

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin

| NA0010 | Overall LMA Rating | Total LMA Miles | | | | | | |
|--|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| Lower San Joaquin Levee District | U | 191.27 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 87.14 | 19.89 | 166.70 | 87.15% | | | | |
| Trim / Thin Trees | 0.09 | | 0.09 | 0.05% | | | | |
| Encroachments | 0.24 | | 0.24 | 0.13% | 7.14 | 0.58 | | |
| Animal Control | 6.16 | 1.64 | 12.72 | 6.65% | | | | |
| Slope Stability | 0.03 | | 0.03 | 0.02% | | | | |
| Erosion / Bank Caving | 0.06 | 0.84 | 3.42 | 1.79% | | | | |
| Crown Surface / Depressions / Rutting | 2.08 | | 2.08 | 1.09% | | | | |
| Repair Gates | 0.03 | | 0.03 | 0.02% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR Erosion Survey | 0.07 | 0.16 | 0.71 | 0.37% | | | | |
| DWR UCIP Field Study | | | | | 0.67 | 0.03 | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>LMA Totals:</i> | 95.90 | 22.53 | 186.02 | 97.25% | 7.81 | 0.61 | 0.00 | 0.00 |
| Unit No. 01 San Joaquin River RB | Overall Unit Rating | Total Unit Miles | | | | | | |
| NA0010 | U | 22.52 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 4.17 | 0.72 | 7.05 | 31.31% | | | | |
| Encroachments | 0.01 | | 0.01 | 0.04% | 3.87 | 0.54 | | |
| Animal Control | 0.20 | 0.08 | 0.52 | 2.31% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.12 | 0.01 | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 4.38 | 0.80 | 7.58 | 33.66% | 3.99 | 0.55 | 0.00 | 0.00 |
| Unit No. 02A San Joaquin River LB | Overall Unit Rating | Total Unit Miles | | | | | | |
| NA0010 | M | 7.87 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.52 | | 0.52 | 6.61% | | | | |
| Encroachments | | | | | 0.01 | | | |
| Erosion / Bank Caving | | 0.03 | 0.12 | 1.52% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR Erosion Survey | | 0.06 | 0.24 | 3.05% | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 0.52 | 0.09 | 0.88 | 11.18% | 0.01 | 0.00 | 0.00 | 0.00 |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 02B San Joaquin River LB | Overall Unit Rating | Total Unit Miles | | | | | | | |
|-----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|--|
| | A | 5.92 | | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Trim / Thin Trees | 0.02 | | 0.02 | 0.34% | | | | | |
| Encroachments | 0.03 | | 0.03 | 0.51% | | | | | |
| Animal Control | 0.01 | | 0.01 | 0.17% | | | | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.17% | | | | | |
| Supplemental | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.07 | 0.00 | 0.07 | 1.18% | 0.01 | 0.00 | 0.00 | 0.00 | |

| Unit No. 03 San Joaquin River RB | Overall Unit Rating | Total Unit Miles | | | | | | | |
|----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | U | 2.10 | | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Vegetation | 1.25 | 1.30 | 6.45 | 307.85% | | | | | |
| Encroachments | | | | | 0.02 | 0.01 | | | |
| Animal Control | 0.05 | | 0.05 | 2.39% | | | | | |
| Slope Stability | 0.01 | | 0.01 | 0.48% | | | | | |
| Supplemental | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 1.31 | 1.30 | 6.51 | 310.71% | 0.03 | 0.01 | 0.00 | 0.00 | |

| Unit No. 04 San Joaquin River LB | Overall Unit Rating | Total Unit Miles | | | | | | | |
|----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | A | 1.41 | | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Vegetation | 0.05 | | 0.05 | 3.55% | | | | | |
| Encroachments | | | | | 1.09 | | | | |
| Supplemental | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.05 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.05 | 0.00 | 0.05 | 3.55% | 1.14 | 0.00 | 0.00 | 0.00 | |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 05 East Side Bypass RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | U | 34.85 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 14.15 | 6.86 | 41.59 | 119.32% | | | | | |
| Trim / Thin Trees | 0.03 | | 0.03 | 0.09% | | | | | |
| Encroachments | 0.17 | | 0.17 | 0.49% | 0.03 | | | | |
| Animal Control | 1.45 | 0.17 | 2.13 | 6.11% | | | | | |
| Erosion / Bank Caving | 0.05 | | 0.05 | 0.14% | | | | | |
| Crown Surface / Depressions / Rutting | 0.24 | | 0.24 | 0.69% | | | | | |
| Repair Gates | 0.01 | | 0.01 | 0.03% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR Erosion Survey | 0.06 | | 0.06 | 0.17% | | | | | |
| DWR UCIP Field Study | | | | | 0.08 | 0.01 | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| <i>Unit Totals:</i> | 16.16 | 7.03 | 44.28 | 127.04% | 0.11 | 0.01 | 0.00 | 0.00 | |

| Unit No. 06 East Side Bypass LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | U | 36.47 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 8.45 | | 8.45 | 23.17% | | | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.03% | | | | | |
| Encroachments | 0.01 | | 0.01 | 0.03% | 1.18 | 0.01 | | | |
| Animal Control | 2.28 | 0.55 | 4.48 | 12.28% | | | | | |
| Repair Gates | 0.01 | | 0.01 | 0.03% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.17 | 0.01 | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| <i>Unit Totals:</i> | 10.76 | 0.55 | 12.96 | 35.54% | 1.35 | 0.02 | 0.00 | 0.00 | |

| Unit No. 07 Bear Creek Bypass RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|----------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | M | 3.62 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 0.29 | | 0.29 | 8.02% | | | | | |
| Animal Control | 0.33 | | 0.33 | 9.12% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| <i>Unit Totals:</i> | 0.62 | 0.00 | 0.62 | 17.14% | 0.00 | 0.00 | 0.00 | 0.00 | |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 08 Bear Creek Bypass LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | A | 3.63 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Animal Control | 0.08 | | 0.08 | 2.20% | | | | | |
| Crown Surface / Depressions / Rutting | 0.01 | | 0.01 | 0.28% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.09 | 0.00 | 0.09 | 2.48% | 0.00 | 0.00 | 0.00 | 0.00 | |

| Unit No. 09 Owens Creek Bypass RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|-----------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | A | 0.87 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Animal Control | 0.01 | | 0.01 | 1.14% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.01 | 0.00 | 0.01 | 1.14% | 0.00 | 0.00 | 0.00 | 0.00 | |

| Unit No. 10 Owens Creek Bypass LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|-----------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | A | 0.80 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | |

| Unit No. 11 Mariposa Bypass RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|--------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | U | 3.31 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Vegetation | 2.06 | | 2.06 | 62.15% | | | | | |
| Animal Control | 0.05 | | 0.05 | 1.51% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 2.11 | 0.00 | 2.11 | 63.66% | 0.00 | 0.00 | 0.00 | 0.00 | |

| Unit No. 12 Mariposa Bypass LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|--------------------------------|------------------------|---------------------|------------------|-------------|-------------|---------|------------------------------|---------|--|
| NA0010 | | A | 3.33 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| <i>Earthen Levee</i> | | | | | | | | | |
| Animal Control | 0.01 | | 0.01 | 0.30% | | | | | |
| <i>Supplemental</i> | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 0.01 | 0.00 | 0.01 | 0.30% | 0.01 | 0.00 | 0.00 | 0.00 | |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 13 Ash Slough RB | Overall Unit Rating | Total Unit Miles | | | | | | |
|-----------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 1.27 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.52 | | 0.52 | 41.05% | | | | |
| Encroachments | | | | | 0.02 | 0.01 | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 0.52 | 0.00 | 0.52 | 41.05% | 0.02 | 0.01 | 0.00 | 0.00 |

| Unit No. 14 Ash Slough LB | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 1.28 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 1.07 | | 1.07 | 83.78% | | | | |
| Encroachments | | | | | 0.01 | | | |
| Animal Control | 0.02 | | 0.02 | 1.57% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.01 | | | |
| <i>Unit Totals:</i> | 1.09 | 0.00 | 1.09 | 85.35% | 0.02 | 0.00 | 0.00 | 0.00 |

| Unit No. 15 Berenda Slough RB | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 2.03 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | 0.41 | 3.47 | 14.29 | 703.61% | | | | |
| Crown Surface / Depressions / Rutting | 0.34 | | 0.34 | 16.74% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 0.75 | 3.47 | 14.63 | 720.35% | 0.00 | 0.00 | 0.00 | 0.00 |

| Unit No. 16 Berenda Slough LB | Overall Unit Rating | Total Unit Miles | | | | | | |
|-------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 1.96 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| <i>Earthen Levee</i> | | | | | | | | |
| Vegetation | | 3.86 | 15.44 | 786.83% | | | | |
| Animal Control | 0.04 | 0.01 | 0.08 | 4.08% | | | | |
| <i>Supplemental</i> | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| <i>Unit Totals:</i> | 0.04 | 3.87 | 15.52 | 790.90% | 0.00 | 0.00 | 0.00 | 0.00 |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 17 Chowchilla Canal Bypass RB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---|------------------------|------------------------|---------------------|-------------|-------------|---------|---------------------------------|---------|--|
| NA0010 | | U | 16.09 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Vegetation | 26.42 | 2.25 | 35.42 | 220.12% | | | | | |
| Animal Control | 0.58 | 0.02 | 0.66 | 4.10% | | | | | |
| Supplemental | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.02 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 27.00 | 2.27 | 36.08 | 224.22% | 0.02 | 0.00 | 0.00 | 0.00 | |

| Unit No. 18 Chowchilla Canal Bypass LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---|------------------------|------------------------|---------------------|-------------|-------------|---------|---------------------------------|---------|--|
| NA0010 | | U | 15.35 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Vegetation | 21.61 | 0.88 | 25.13 | 163.70% | | | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.07% | | | | | |
| Encroachments | | | | | 0.01 | | | | |
| Animal Control | 0.33 | 0.48 | 2.25 | 14.66% | | | | | |
| Repair Gates | 0.01 | | 0.01 | 0.07% | | | | | |
| Supplemental | | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.04 | | | | |
| Unit Totals: | 21.96 | 1.36 | 27.40 | 178.48% | 0.05 | 0.00 | 0.00 | 0.00 | |

| Unit No. 22A East Side Canal LB | | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------|------------------------|------------------------|---------------------|-------------|-------------|---------|---------------------------------|---------|--|
| NA0010 | | U | 5.51 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles | |
| Earthen Levee | | | | | | | | | |
| Vegetation | 0.74 | | 0.74 | 13.44% | | | | | |
| Encroachments | 0.01 | | 0.01 | 0.18% | 0.86 | | | | |
| Animal Control | 0.57 | 0.07 | 0.85 | 15.44% | | | | | |
| Erosion / Bank Caving | | 0.81 | 3.24 | 58.85% | | | | | |
| Supplemental | | | | | | | | | |
| DWR Erosion Survey | 0.01 | 0.10 | 0.41 | 7.45% | | | | | |
| DWR UCIP Field Study | | | | | 0.03 | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | | |
| Unit Totals: | 1.33 | 0.98 | 5.25 | 95.36% | 0.89 | 0.00 | 0.00 | 0.00 | |

Flood Control Project Maintenance Levee Inspections

Fall 2020 Levee Maintenance Deficiency Summary Report

San Joaquin River Basin (cont.)

| Unit No. 23 San Joaquin River RB | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 10.24 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Vegetation | 5.43 | 0.04 | 5.59 | 54.58% | | | | |
| Trim / Thin Trees | 0.02 | | 0.02 | 0.20% | | | | |
| Encroachments | 0.01 | | 0.01 | 0.10% | 0.01 | | | |
| Animal Control | 0.03 | 0.11 | 0.47 | 4.59% | | | | |
| Slope Stability | 0.02 | | 0.02 | 0.20% | | | | |
| Crown Surface / Depressions / Rutting | 0.01 | | 0.01 | 0.10% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.06 | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| Unit Totals: | 5.52 | 0.15 | 6.12 | 59.75% | 0.07 | 0.00 | 0.00 | 0.00 |

| Unit No. 24 San Joaquin River LB | Overall Unit Rating | Total Unit Miles | | | | | | |
|----------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 8.36 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Vegetation | | 0.51 | 2.04 | 24.41% | | | | |
| Encroachments | | | | | 0.03 | 0.01 | | |
| Animal Control | 0.12 | 0.15 | 0.72 | 8.62% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP Field Study | | | | | 0.06 | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| Unit Totals: | 0.12 | 0.66 | 2.76 | 33.03% | 0.09 | 0.01 | 0.00 | 0.00 |

| Unit No. 25 Salt Slough RB | Overall Unit Rating | Total Unit Miles | | | | | | |
|---------------------------------------|------------------------|------------------|--------------|-------------|-------------|---------|------------------------------|---------|
| NA0010 | U | 2.49 | | | | | | |
| Rated Item | Maintenance Deficiency | | | | Enforcement | | Design & System Obsolescence | |
| | M Miles | U Miles | M + 4U Miles | Threshold % | M Miles | U Miles | M Miles | U Miles |
| Earthen Levee | | | | | | | | |
| Crown Surface / Depressions / Rutting | 1.48 | | 1.48 | 59.54% | | | | |
| Supplemental | | | | | | | | |
| DWR UCIP LMA Responsibility | | | | | | | | |
| Unit Totals: | 1.48 | 0.00 | 1.48 | 59.54% | 0.00 | 0.00 | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet**

Lower San Joaquin Levee District

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | U | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

| | |
|---|---|
| † | <p><u>SPRING INSPECTIONS:</u> Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.</p> <p><u>FALL INSPECTIONS:</u> The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.</p> |
|---|---|

Comments

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 San Joaquin River | | | Right | 22.52 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/21/2020 - 4/21/2020 | | 10/13/2020 - 10/13/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------------|--------------|----|------------------------|-----|
| LM Start | 0.00 | Rating ** | A | Issue No. | 23 |
| 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_NA0010_01_s_2013_23 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA maintains a copy of the O&M manuals on file at district office. | | | | | |

No Photos

| | | | | | |
|---|--------------------------------|--------------|----|------------------------|-----|
| LM Start | 0.00 | Rating ** | A | Issue No. | 24 |
| 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_NA0010_01_s_2013_24 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The LMA has adequate supplies and equipment for flood response. | | | | | |

No Photos

| | | | | | |
|---|-------------------------------|--------------|----|------------------------|-----|
| LM Start | 0.00 | Rating ** | A | Issue No. | 25 |
| 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_NA0010_01_s_2013_25 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| LMA preparedness and training is adequate for flood response. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.00 | Rating ** | M | Issue No. | 1185 | |
| LM End | 0.00 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.348637 ° | 37.348637 ° | |
| | | | | -120.958834 ° | -120.958834 ° | |
| DWR ID | 19650 | | | | | |

Comment Code

Inspector Comment

DS_ID:19650
FS_ID:61818
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope and landward toe. Recommend removing vegetation along pipe alignment and landward toe to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS), elevation 65.1 feet, USGS Datum.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 0.00), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.02), listed as a 24-inch CMP].
FS Date: 4/8/2014 7:34:00 AM

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 1185 (cont) |
| LM End | 0.00 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61818_60601.jpg



Flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61818_60600.jpg



Flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 1185 (cont) |
| LM End | 0.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.348637 ° | 37.348637 ° | |
| | | | -120.958834 ° | -120.958834 ° | |
| DWR ID | 19650 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61818_60602.jpg



Headwall on LS toe.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.12 | Rating ** | M | Issue No. | 143 |
| LM End | 0.12 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.347444 ° | 37.347444 ° |
| | | | | -120.960311 ° | -120.960311 ° |
| DWR ID | DWR_NA0010_01_s_2020_143 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_143_20200901_00021.jpg

Downed tree limb should be removed from the waterside shoulder.
(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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.34 | Rating ** | M | Issue No. | 1186 |
| LM End | 0.34 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.344705 ° | 37.344705 ° |
| | | | | -120.962176 ° | -120.962176 ° |
| DWR ID | 19651 | | | | |

Comment Code

Inspector Comment

DS_ID:19651
FS_ID:61819
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Pipe has significant sediment buildup and shows some signs of corrosion at landward toe. Recommend cleaning sediment from inside pipe and check wall integrity. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.35), listed as 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.35), listed as a 36-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.34 | Rating ** | M | Issue No. | 1186 (cont) |
| LM End | 0.34 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61819_60611.jpg



Flapgate and headwall visible off WS toe.

Photo 2 of 3 : UCIP_FA_2020_61819_60613.jpg



Flapgate and headwall visible off WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.34 | Rating ** | M | Issue No. | 1186 (cont) | |
| LM End | 0.34 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.344705 ° | 37.344705 ° | |
| | | | | -120.962176 ° | -120.962176 ° | |
| DWR ID | 19651 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61819_60612.jpg



Pipe and headwall visible off LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 95 |
| LM End | 0.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.344312 ° | 37.344312 ° |
| | | | | -120.962361 ° | -120.962361 ° |
| DWR ID | DWR_NA0010_01_f_2020_95 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_95_20201019_00261.jpg



Several rodent holes observed in the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1187 |
| LM End | 0.60 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.341507 ° | 37.341507 ° |
| | | | | -120.961283 ° | -120.961283 ° |
| DWR ID | 19583 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19583 FS_ID:61820 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Recommend removing vegetation pile from waterward toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.62), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.62), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61820_60622.jpg



Flapgate and headwall visible on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1187 (cont) |
| LM End | 0.60 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61820_60623.jpg



Flapgate and headwall visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1187 (cont) |
| LM End | 0.60 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.341507 ° | 37.341507 ° | |
| | | | -120.961283 ° | -120.961283 ° | |
| DWR ID | 19583 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61820_60621.jpg



Pipe and headwall visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1188 |
| LM End | 0.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.339829 ° | 37.339829 ° | |
| | | | -120.958621 ° | -120.958621 ° | |
| DWR ID | 19584 | | | | |

Comment Code

Inspector Comment

DS_ID:19584
 FS_ID:61822
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.87), listed as a 24-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61822_60627.jpg



Pipe, flapgate, and headwall visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1188 (cont) |
| LM End | 0.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.339829 ° | 37.339829 ° |
| | | | | -120.958621 ° | -120.958621 ° |
| DWR ID | 19584 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61822_60626.jpg



Pipe and headwall visible on LS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1188 (cont) |
| LM End | 0.85 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61822_60625.jpg



Pipe and headwall visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.93 | Rating ** | M | Issue No. | 1189 | |
| LM End | 0.93 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.339598 ° | 37.339598 ° | |
| | | | | -120.957202 ° | -120.957202 ° | |
| DWR ID | 19585 | | | | | |

Comment Code

Inspector Comment

DS_ID:19585
FS_ID:61823
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Moderate erosion around headwall on landward toe. May or may not be an issue. Need to contact owner to determine status of crossing and to address erosion issue on landward side. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.95), listed as a 24-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.93 | Rating ** | M | Issue No. | 1189 (cont) |
| LM End | 0.93 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61823_60632.jpg



Flapgate, pipe, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61823_60631.jpg



Concrete headwall and pipe visible at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.93 | Rating ** | M | Issue No. | 1189 (cont) |
| LM End | 0.93 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.339598 ° | 37.339598 ° | |
| | | | -120.957202 ° | -120.957202 ° | |
| DWR ID | 19585 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61823_60633.jpg



Flapgate, pipe, and headwall on WS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 1.15 | Rating ** | A/W | Issue No. | 1190 |
| LM End | 1.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.338005 ° | 37.338005 ° | |
| | | | -120.953921 ° | -120.953921 ° | |
| DWR ID | 19586 | | | | |

Comment Code

Inspector Comment

DS_ID:19586
 FS_ID:61824
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.17), listed as a 24-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61824_60642.jpg



Pipe, headwall, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | A/W | Issue No. | 1190 (cont) |
| LM End | 1.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.338005 ° | 37.338005 ° |
| | | | | -120.953921 ° | -120.953921 ° |
| DWR ID | 19586 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61824_60643.jpg



Pipe, headwall, and flapgate visible on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 1.15 | Rating ** | A/W | Issue No. | 1190 (cont) |
| LM End | 1.15 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61824_60641.jpg



Headwall and pipe visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 1.32 | Rating ** | A/W | Issue No. | 1191 | |
| LM End | 1.32 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.337361 ° | 37.337361 ° | |
| | | | | -120.950879 ° | -120.950879 ° | |
| DWR ID | 19587 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19587 FS_ID:61825 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). Pipe crosses through the levee at about a 45 degree angle to the crown. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.35), listed as a 36-inch corrugated metal pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.34), listed as a 36-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61825_60649.jpg



Concrete headwall and flapgate visible at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 1.32 | Rating ** | A/W | Issue No. | 1191 (cont) |
| LM End | 1.32 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61825_60648.jpg



Concrete headwall and flapgate visible at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.46 | Rating ** | M | Issue No. | 1192 (cont) | |
| LM End | 1.46 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.336866 ° | 37.336866 ° | |
| | | | | -120.948520 ° | -120.948520 ° | |
| DWR ID | 19588 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_61826_60653.jpg



Pipe, flapgate, and concrete headwall visible on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 1.46 | Rating ** | M | Issue No. | 1192 (cont) |
| LM End | 1.46 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61826_60651.jpg



Pipe and concrete headwall visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 1193 |
| LM End | 1.67 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.336459 ° | 37.336459 ° |
| | | | | -120.944803 ° | -120.944803 ° |
| DWR ID | 19589 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19589 FS_ID:61827 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Heavy sediment buildup in pipe at LS toe. (DWR UCIP - W. Wylie) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 108 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.69), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61827_60661.jpg



Pipe, headwall, and flapgate visible on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 1193 (cont) |
| LM End | 1.67 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61827_60663.jpg



Pipe, headwall, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 1.67 | Rating ** | M | Issue No. | 1193 (cont) |
| LM End | 1.67 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.336459 ° | 37.336459 ° | |
| | | | -120.944803 ° | -120.944803 ° | |
| DWR ID | 19589 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61827_60662.jpg



Pipe and headwall visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 1.81 | Rating ** | A/W | Issue No. | 1194 |
| LM End | 1.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.335612 ° | 37.335612 ° | |
| | | | -120.942532 ° | -120.942532 ° | |
| DWR ID | 19590 | | | | |

Comment Code

Inspector Comment

DS_ID:19590
 FS_ID:61828
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.84), listed as a 36-inch corrugated metal pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.83), listed as a 36-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61828_60666.jpg



Pipe, flapgate, and headwall visible at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.81 | Rating ** | A/W | Issue No. | 1194 (cont) |
| LM End | 1.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.335612 ° | 37.335612 ° |
| | | | | -120.942532 ° | -120.942532 ° |
| DWR ID | 19590 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61828_60667.jpg



Pipe, flapgate, and headwall visible at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 1.81 | Rating ** | A/W | Issue No. | 1194 (cont) |
| LM End | 1.81 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61828_60665.jpg



Pipe and concrete headwall visible at LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.95 | Rating ** | M | Issue No. | 1195 | |
| LM End | 1.95 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.334377 ° | 37.334377 ° | |
| | | | | -120.940397 ° | -120.940397 ° | |
| DWR ID | 19591 | | | | | |

Comment Code

Inspector Comment

DS_ID:19591
FS_ID:61829
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Need to contact owner to determine crossing status. Inlet drop box silted in and needs to be cleaned out. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.98), listed as a 24-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 1.95 | Rating ** | M | Issue No. | 1195 (cont) |
| LM End | 1.95 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61829_60670.jpg



Concrete headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61829_60672.jpg



Pipe, flapgate, and headwall on WS toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|--------------------|
| LM Start | 1.95 | Rating ** | M | Issue No. | 1195 (cont) |
| LM End | 1.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.334377 ° | 37.334377 ° |
| | | | | -120.940397 ° | -120.940397 ° |
| DWR ID | 19591 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61829_60671.jpg



Wooded barrier around drop-inlet on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 99 |
| LM End | 1.98 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.334173 ° | 37.334173 ° |
| | | | | -120.939886 ° | -120.939886 ° |
| DWR ID | DWR_NA0010_01_s_2020_99 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent burrows on both sides of the levee. | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.06 | Rating ** | M | Issue No. | 1196 | |
| LM End | 2.06 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.333653 ° | 37.333653 ° | |
| | | | | -120.938770 ° | -120.938770 ° | |
| DWR ID | 19570 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19570 FS_ID:61830 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Unable to find inlet on landward toe. Recommend clearing vegetation on landward side to properly inspect inlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.08), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.08), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61830_60675.jpg



Pipe and flapgate visible on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.06 | Rating ** | M | Issue No. | 1196 (cont) |
| LM End | 2.06 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61830_60676.jpg



Pipe and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.06 | Rating ** | M | Issue No. | 1196 (cont) | |
| LM End | 2.06 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.333653 ° | 37.333653 ° | |
| | | | | -120.938770 ° | -120.938770 ° | |
| DWR ID | 19570 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61830_60674.jpg



Wooded barrier around drop-inlet on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.20 | Rating ** | N | Issue No. | 110 |
| LM End | 2.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.331820 ° | 37.331820 ° |
| | | | | -120.937605 ° | -120.937605 ° |
| DWR ID | DWR_NA0010_01_f_2018_110 | | | | |
| Comment Code | | | | | |
| T5 : Tree stumps. | | | | | |
| Inspector Comment | | | | | |
| Tree stump on landside slope should be removed. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_110_20201019_00262.jpg



View of tree stump on the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 2.22 | Rating ** | A/W | Issue No. | 1197 | |
| LM End | 2.22 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.331611 ° | 37.331611 ° | |
| | | | | -120.937455 ° | -120.937455 ° | |
| DWR ID | 19571 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19571 FS_ID:61831 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). Wooden barrier around drop inlet on the LS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.25), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.25), listed as a 36-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61831_71309.jpg



Pipe and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 2.22 | Rating ** | A/W | Issue No. | 1197 (cont) |
| LM End | 2.22 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61831_71308.jpg



Pipe and headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 2.22 | Rating ** | A/W | Issue No. | 1197 (cont) | |
| LM End | 2.22 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.331611 ° | 37.331611 ° | |
| | | | | -120.937455 ° | -120.937455 ° | |
| DWR ID | 19571 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61831_71307.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.50 | Rating ** | A/W | Issue No. | 1198 |
| LM End | 2.50 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328619 ° | 37.328619 ° |
| | | | | -120.934369 ° | -120.934369 ° |
| DWR ID | 19572 | | | | |

Comment Code

Inspector Comment

DS_ID:19572
 FS_ID:61832
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual 601.1, 1967, (HLM 2.52), listed as 24-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61832_60679.jpg



Pipe, headwall, and flapgate on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.50 | Rating ** | A/W | Issue No. | 1198 (cont) |
| LM End | 2.50 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.328619 ° | 37.328619 ° |
| | | | | -120.934369 ° | -120.934369 ° |
| DWR ID | 19572 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61832_60680.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 2.50 | Rating ** | A/W | Issue No. | 1198 (cont) |
| LM End | 2.50 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61832_60678.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.58 | Rating ** | A/W | Issue No. | 113 |
| LM End | 2.58 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.327936 ° | 37.327936 ° |
| | | | | -120.933013 ° | -120.933013 ° |
| DWR ID | DWR_NA0010_01_f_2018_113 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| There is damage caused by vehicle traffic over the levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_113_20200901_00012.jpg



Slope damage by vehicle traffic. (Spring 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.67 | Rating ** | M | Issue No. | 1199 | |
| LM End | 2.67 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.327362 ° | 37.327362 ° | |
| | | | | -120.931591 ° | -120.931591 ° | |
| DWR ID | 19573 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19573 FS_ID:61833 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Sedimentation in pipe at landward toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.71), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.70), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.67 | Rating ** | M | Issue No. | 1199 (cont) |
| LM End | 2.67 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61833_60688.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61833_60689.jpg



Pipe, flapgate, and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 2.67 | Rating ** | M | Issue No. | 1199 (cont) |
| LM End | 2.67 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.327362 ° | 37.327362 ° | |
| | | | -120.931591 ° | -120.931591 ° | |
| DWR ID | 19573 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61833_60687.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.99 | Rating ** | M | Issue No. | 114 |
| LM End | 2.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.323328 ° | 37.323328 ° |
| | | | | -120.929521 ° | -120.929521 ° |
| DWR ID | DWR_NA0010_01_f_2018_114 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage caused by livestock on both landside and waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_114_20201020_00263.jpg



View of damage to both slope from livestock activity. (Fall 2020)

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.06 | Rating ** | A/W | Issue No. | 104 |
| LM End | 3.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.322499 ° | 37.322499 ° |
| | | | | -120.928986 ° | -120.928986 ° |
| DWR ID | DWR_NA0010_01_f_2017_104 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage caused by foot traffic. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_104_20200901_00007.jpg



Looking northeast at the landside slope. (Fall 2017)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.10 | Rating ** | M | Issue No. | 115 |
| LM End | 3.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.321903 ° | 37.321903 ° |
| | | | | -120.928748 ° | -120.928748 ° |
| DWR ID | DWR_NA0010_01_f_2018_115 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage caused by livestock traffic. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_115_20200901_00014.jpg



View of erosion path looking downstream. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.13 | Rating ** | M | Issue No. | 108 |
| LM End | 3.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.321488 ° | 37.321488 ° |
| | | | | -120.928758 ° | -120.928758 ° |
| DWR ID | DWR_NA0010_01_s_2017_108 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage caused by animal traffic on landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_108_20201020_00264.jpg



View of landside slope damage by animal traffic. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.13 | Rating ** | M | Issue No. | 1200 | |
| LM End | 3.13 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.321444 ° | 37.321444 ° | |
| | | | | -120.928764 ° | -120.928764 ° | |
| DWR ID | 19574 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19574 FS_ID:61834 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Some minor erosion around headwall on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.17), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.16), listed as a 36-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61834_60702.jpg



Pipe, Flapgate, and headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.13 | Rating ** | M | Issue No. | 1200 (cont) |
| LM End | 3.13 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61834_60700.jpg



Pipe, Flapgate, and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.13 | Rating ** | M | Issue No. | 1200 (cont) |
| LM End | 3.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.321444 ° | 37.321444 ° | |
| | | | -120.928764 ° | -120.928764 ° | |
| DWR ID | 19574 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61834_60701.jpg



Pipe and headwall on LS toe.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.16 | Rating ** | A/W | Issue No. | 10 |
| LM End | 3.16 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.321053 ° | 37.321053 ° |
| | | | | -120.928785 ° | -120.928785 ° |
| DWR ID | DWR_NA0010_01_s_2012_10 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes noted within this section. Rodent hole noted on landside shoulder next to fence pole. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_10_20200901_00004.jpg



Looking at typical view of rodent holes on landward slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.18 | Rating ** | M | Issue No. | 116 |
| LM End | 3.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.320725 ° | 37.320725 ° |
| | | | | -120.928837 ° | -120.928837 ° |
| DWR ID | DWR_NA0010_01_f_2018_116 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes noted in this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_116_20200901_00015.jpg



View of landside slope with rodent holes. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|-----------------------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.23 | Rating ** | M | Issue No. | 117 |
| LM End | 3.90 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.320029 ° | 37.311311 ° |
| | | | | -120.928556 ° | -120.927310 ° |
| DWR ID | DWR_NA0010_01_f _ 2018_117 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Earthen ditch along landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_117_20200901_00016.jpg



Earthen ditch along landside toe. (Fall 1818)

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.47 | Rating ** | U | Issue No. | 1201 | |
| LM End | 3.47 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.317116 ° | 37.317116 ° | |
| | | | | -120.926451 ° | -120.926451 ° | |
| DWR ID | 19575 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19575 FS_ID:61835 EP_NO: N/A Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 11/01/2018 Pipe continues to rust through, causing the pipe to collapse on the LS. Sediment buildup visible from the LS inlet. Loss of soil just above the LS concrete headwall and along the LS slope. Crossing remains Urgent due to the levee slope issues and pipe failure through the levee. (O. Magana - DWR UCIP)07/19/2016 Same as previous inspection. Erosion present on LS slope. (O. Magana - DWR UCIP)04/08/2014 Pipe rusted through at Springline on LS toe. Flapgate blocked by sediment on WS toe. Heavy sediment on both ends of pipe. Need to contact owner to address issues. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.50), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.50), listed as a 36-inch CMP]. FS Date: 11/1/2018 12:49:00 PM | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61835_60707.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.47 | Rating ** | U | Issue No. | 1201 (cont) |
| LM End | 3.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.317116 ° | 37.317116 ° | |
| | | | -120.926451 ° | -120.926451 ° | |
| DWR ID | 19575 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61835_60706.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.47 | Rating ** | U | Issue No. | 1201 (cont) |
| LM End | 3.47 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61835_60705.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.87 | Rating ** | U | Issue No. | 2 |
| LM End | 3.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.311798 ° | 37.311341 ° |
| | | | | -120.927670 ° | -120.927365 ° |
| DWR ID | DWR_NA0010_01_s_2012_2 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent burrows are along this section of the levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_2_20200901_00001.jpg



View of rodent burrows in this section looking downstream. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.92 | Rating ** | M | Issue No. | 1202 | |
| LM End | 3.92 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.311178 ° | 37.311178 ° | |
| | | | | -120.927007 ° | -120.927007 ° | |
| DWR ID | 19576 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19576 FS_ID:61836 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Slide gate missing from WS. No closure device, but degrading of levee at Highway 140 is lower than pipe, so this does not appear to be a critical issue. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 3.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 100 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.95), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.95), listed as a 30-inch CMP]. FS Date: 4/8/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.92 | Rating ** | M | Issue No. | 1202 (cont) |
| LM End | 3.92 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61836_60723.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

Photo 2 of 3 : UCIP_FA_2020_61836_60720.jpg



Slide gate missing on WS toe with heavy vegetation camouflaging pipe

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.92 | Rating ** | M | Issue No. | 1202 (cont) |
| LM End | 3.92 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.311178 ° | 37.311178 ° | |
| | | | -120.927007 ° | -120.927007 ° | |
| DWR ID | 19576 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61836_60722.jpg



Concrete headwall in heavy vegetation at LS toe.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 3.93 | Rating ** | M | Issue No. | 1203 |
| LM End | 3.93 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.311157 ° | 37.311157 ° | |
| | | | -120.926919 ° | -120.926919 ° | |
| DWR ID | 19606 | | | | |

Comment Code

Inspector Comment

DS_ID:19606
 FS_ID:61837
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 04/08/2014 Need to contact owner to determine status of crossing inlet and outlet not found. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 12-inch reinforced concrete irrigation discharge pipe through the levee, 3.5 feet below the crown. 12-inch concrete standpipe off each side of the levee. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.96), listed as a 12-inch concrete pipe].
 FS Date: 4/8/2014

Photo 1 of 2 : UCIP_FA_2020_61837_60725.jpg



12-inch concrete standpipe off WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.93 | Rating ** | M | Issue No. | 1203 (cont) |
| LM End | 3.93 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.311157 ° | 37.311157 ° | |
| | | | -120.926919 ° | -120.926919 ° | |
| DWR ID | 19606 | | | | |

Photo 2 of 2 : UCIP_FA_2020_61837_60724.jpg



12-inch concrete standpipe off LS toe.

| | | | | | |
|-----------------------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.98 | Rating ** | U | Issue No. | 5 |
| LM End | 4.05 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.310837 ° | 37.310003 ° |
| | | | | -120.926182 ° | -120.925313 ° |
| DWR ID | DWR_NA0010_01_s_2012_5 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Irrigation ditch at landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_5_20201020_00265.jpg



Looking south at irrigation ditch at the landside toe. (Fall 2020)

| | | | | | |
|---------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.99 | Rating ** | M | Issue No. | 118 |
| LM End | 4.25 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.310693 ° | 37.307895 ° |
| | | | | -120.926024 ° | -120.922935 ° |
| DWR ID | DWR_NA0010_01_f_2018_118 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| Fence along landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_118_20201020_00266.jpg



View of fence on the landside shoulder and toe. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 1204 |
| LM End | 4.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.309080 ° | 37.309080 ° |
| | | | | -120.924442 ° | -120.924442 ° |
| DWR ID | 19607 | | | | |

Comment Code

Inspector Comment

DS_ID:19607
FS_ID:61838
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Pipe appears sleeved with a 12-inch steel pipe with a slide gate at the LS toe. No identified authorization for changes to this crossing. Need to contact owner to obtain additional information about the modifications to crossing. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.16), listed as a 48-inch pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.16), listed as a 48-inch corrugated metal pipe (CMP)].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 1204 (cont) |
| LM End | 4.13 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61838_60730.jpg



Concrete headwall and 48-inch flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61838_60731.jpg



Assumed pipe exists under pump at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 1204 (cont) |
| LM End | 4.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.309080 ° | 37.309080 ° | |
| | | | -120.924442 ° | -120.924442 ° | |
| DWR ID | 19607 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61838_60729.jpg



Concrete inlet, slidegate, and concrete headwall at LS toe.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 1205 |
| LM End | 4.13 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.309063 ° | 37.309063 ° | |
| | | | -120.924449 ° | -120.924449 ° | |
| DWR ID | 24866 | | | | |

Comment Code

Inspector Comment

DS_ID:24866
 FS_ID:61839
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/08/2014 Need to contact owner to get details of crossing. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe through the levee, 2.5 feet below the crown. 12-inch steel pipe, vent, and pump on stand visible on the landside (LS) slope. 10-inch polyvinyl chloride (PVC) pipe visible on the waterside (WS) slope.
 FS Date: 4/8/2014

Photo 1 of 2 : UCIP_FA_2020_61839_71320.jpg



View of pipe visible on landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|--------------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 1205 (cont) |
| LM End | 4.13 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.309063 ° | 37.309063 ° |
| | | | | -120.924449 ° | -120.924449 ° |
| DWR ID | 24866 | | | | |

Photo 2 of 2 : UCIP_FA_2020_61839_71319.jpg



Pipe through existing 48 inch pipe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.18 | Rating ** | M | Issue No. | 105 |
| LM End | 4.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.308458 ° | 37.308458 ° |
| | | | | -120.923942 ° | -120.923942 ° |
| DWR ID | DWR_NA0010_01_f_2017_105 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes noted at this location. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.25 | Rating ** | M | Issue No. | 1206 |
| LM End | 4.25 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.307930 ° | 37.307930 ° |
| | | | | -120.923057 ° | -120.923057 ° |
| DWR ID | 19608 | | | | |

Comment Code

Inspector Comment

DS_ID:19608
FS_ID:61840
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Dense vegetation and fence limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward side. Recommend obtaining access to landward toe and removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.27), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.27), listed as a 24-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.25 | Rating ** | M | Issue No. | 1206 (cont) |
| LM End | 4.25 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61840_60733.jpg



Pipe, flapgate, and headwall visible at WS toe.

Photo 2 of 3 : UCIP_FA_2020_61840_60732.jpg



Pipe, flapgate, and headwall visible at WS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.25 | Rating ** | M | Issue No. | 1206 (cont) |
| LM End | 4.25 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.307930 ° | 37.307930 ° |
| | | | | -120.923057 ° | -120.923057 ° |
| DWR ID | 19608 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61840_60734.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.26 | Rating ** | M | Issue No. | 102 |
| LM End | 4.26 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.307826 ° | 37.307826 ° |
| | | | | -120.922735 ° | -120.922735 ° |
| DWR ID | DWR_NA0010_01_s_2019_102 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.34 | Rating ** | M | Issue No. | 96 |
| LM End | 4.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.307340 ° | 37.302383 ° |
| | | | | -120.921608 ° | -120.920935 ° |
| DWR ID | DWR_NA0010_01_f_2020_96 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_96_20201020_00267.jpg



View of the landside slope looking upstream. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 1207 |
| LM End | 4.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.302408 ° | 37.302408 ° |
| | | | | -120.920931 ° | -120.920931 ° |
| DWR ID | 19609 | | | | |

Comment Code

Inspector Comment

DS_ID:19609
FS_ID:61841
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward side. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.72), listed as a 24-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 1207 (cont) |
| LM End | 4.69 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61841_60737.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61841_60738.jpg



Pipe, flapgate, and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 1207 (cont) |
| LM End | 4.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.302408 ° | 37.302408 ° |
| | | | | -120.920931 ° | -120.920931 ° |
| DWR ID | 19609 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61841_60736.jpg



Pipe and concrete headwall on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.69 | Rating ** | U | Issue No. | 9 |
| LM End | 4.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.302398 ° | 37.302398 ° |
| | | | | -120.920920 ° | -120.920920 ° |
| DWR ID | DWR_NA0010_01_s_2013_9 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Levee landside toe damaged by livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_9_20201020_00268.jpg



View of damage to the landside slope. (Fall 2020)

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.77 | Rating ** | M | Issue No. | 107 |
| LM End | 5.32 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.301269 ° | 37.300396 ° |
| | | | | -120.920660 ° | -120.912625 ° |
| DWR ID | DWR_NA0010_01_s_2019_107 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_107_20200901_00008.jpg



Looking upstream at an irrigation ditch along 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 |
|--|--|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.02 | Rating ** | M | Issue No. | 1208 | |
| LM End | 5.02 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.298917 ° | 37.298917 ° | |
| | | | | -120.917262 ° | -120.917262 ° | |
| DWR ID | 19610 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19610 FS_ID:61842 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Non-functional -- sediment buildup against flapgate and inlet buried at landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.05), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 2 : UCIP_FA_2020_61842_60740.jpg



Flapgate and headwall visible at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 5.02 | Rating ** | M | Issue No. | 1208 (cont) |
| LM End | 5.02 | Issue Type + | Ma | Location * | |

Photo 2 of 2 : UCIP_FA_2020_61842_60739.jpg



Flapgate and headwall visible at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.75 | Rating ** | M | Issue No. | 97 |
| LM End | 6.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.304213 ° | 37.304058 ° |
| | | | | -120.906570 ° | -120.892929 ° |
| DWR ID | DWR_NA0010_01_f _ 2020_97 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_97_20201020_00269.jpg



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

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 5.92 | Rating ** | M | Issue No. | 1209 | |
| LM End | 5.92 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.303612 ° | 37.303612 ° | |
| | | | | -120.903704 ° | -120.903704 ° | |
| DWR ID | 19611 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19611 FS_ID:61843 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Landward side filled in with soil. Need to contact owner. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.95), listed as a 24-inch CMP]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 2 : UCIP_FA_2020_61843_60742.jpg



Pipe, concrete headwall, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 5.92 | Rating ** | M | Issue No. | 1209 (cont) |
| LM End | 5.92 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.303612 ° | 37.303612 ° | |
| | | | -120.903704 ° | -120.903704 ° | |
| DWR ID | 19611 | | | | |

Photo 2 of 2 : UCIP_FA_2020_61843_60741.jpg



Top of concrete headwall just visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 6.10 | Rating ** | M | Issue No. | 1210 |
| LM End | 6.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.304232 ° | 37.304232 ° | |
| | | | -120.900706 ° | -120.900706 ° | |
| DWR ID | 19612 | | | | |

Comment Code

Inspector Comment

DS_ID:19612
 FS_ID:61844
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Pipe completely blocked by soil on LS toe due to animal activity. Slide gate blocked open. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 13.1 feet below the crown. Walkway to slide gate at the concrete headwall on the landside (LS) toe. Flap gate at the concrete headwall on the waterside (WS) toe. Brass cap No. 90 bench mark (BM) on the headwall on the LS. Pipe crosses the levee at an angle. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.13), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.13), listed as a 48-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61844_60745.jpg



Slidegate at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 6.10 | Rating ** | M | Issue No. | 1210 (cont) |
| LM End | 6.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.304232 ° | 37.304232 ° | |
| | | | -120.900706 ° | -120.900706 ° | |
| DWR ID | 19612 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61844_60744.jpg



Pipe, concrete headwall, slidegate, and metal walkway on LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 6.10 | Rating ** | M | Issue No. | 1210 (cont) |
| LM End | 6.10 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61844_60743.jpg



Flapgate on concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.39 | Rating ** | M | Issue No. | 1211 |
| LM End | 6.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.304459 ° | 37.304459 ° |
| | | | | -120.895863 ° | -120.895863 ° |
| DWR ID | 19613 | | | | |

Comment Code

Inspector Comment

DS_ID:19613
 FS_ID:61845
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end next to a 48-inch concrete riser with walkway over the top. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.44), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.40), listed as a 24-inch CMP].
 FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 6.39 | Rating ** | M | Issue No. | 1211 (cont) |
| LM End | 6.39 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61845_60762.jpg



Pipe, flapgate, and concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61845_60760.jpg



Pipe, flapgate, and concrete headwall on WS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 6.39 | Rating ** | M | Issue No. | 1211 (cont) |
| LM End | 6.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.304459 ° | 37.304459 ° | |
| | | | -120.895863 ° | -120.895863 ° | |
| DWR ID | 19613 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61845_60761.jpg



Metal walkway over concrete standpipe next to slide gate on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 6.61 | Rating ** | M | Issue No. | 1212 |
| LM End | 6.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.303815 ° | 37.303815 ° | |
| | | | -120.891955 ° | -120.891955 ° | |
| DWR ID | 19614 | | | | |

Comment Code

Inspector Comment

DS_ID:19614
 FS_ID:61846
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 7/19/2016 Same as previous inspection. Outlet and inlet are under water. (O. Magana - DWR UCIP)4/08/2014 Flapgate blocked by sedimentation at WS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Also recommend clearing vegetation from both waterward and landward toe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Wooden fence around a 4-foot by 4-foot drop inlet on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.64), listed as a 24-inch CMP].
 FS Date: 7/19/2016

Photo 1 of 3 : UCIP_FA_2020_61846_60764.jpg



Pipe and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 6.61 | Rating ** | M | Issue No. | 1212 (cont) | |
| LM End | 6.61 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.303815 ° | 37.303815 ° | |
| | | | | -120.891955 ° | -120.891955 ° | |
| DWR ID | 19614 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_61846_60766.jpg



Pipe and flapgate visible at WS toe. Flapgate blocked by sedimentation on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 6.61 | Rating ** | M | Issue No. | 1212 (cont) |
| LM End | 6.61 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61846_60765.jpg



Wooden barrier around drop inlet on LS toe. Excess vegetation.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.86 | Rating ** | M | Issue No. | 1213 |
| LM End | 6.86 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.302098 ° | 37.302098 ° |
| | | | | -120.887943 ° | -120.887943 ° |
| DWR ID | 19615 | | | | |

Comment Code

Inspector Comment

DS_ID:19615
FS_ID:61847
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 7/19/2016 Potential LS slope damage--difficult to determine due to dense vegetation. Limited access on WS toe due to wire fence. (O. Magana - DWR UCIP)4/08/2014 Slide gate blocked by debris at LS toe. Flapgate won't close because of debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Slide gate on the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.90), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.90), listed as a 36-inch CMP].
FS Date: 7/19/2016

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 6.86 | Rating ** | M | Issue No. | 1213 (cont) |
| LM End | 6.86 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61847_60768.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61847_60767.jpg



Pipe, concrete headwall, and slidegate on LS toe. Debris blocking closure of slidegate.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 6.86 | Rating ** | M | Issue No. | 1213 (cont) |
| LM End | 6.86 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.302098 ° | 37.302098 ° | |
| | | | -120.887943 ° | -120.887943 ° | |
| DWR ID | 19615 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61847_75470.jpg



View of WS--fence limits access to flap gate.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 7.18 | Rating ** | U | Issue No. | 1214 |
| LM End | 7.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.300055 ° | 37.300055 ° | |
| | | | -120.882939 ° | -120.882939 ° | |
| DWR ID | 19616 | | | | |

Comment Code

Inspector Comment

DS_ID:19616
 FS_ID:61848
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/01/2018 Pipe continues to corrode through. Voids (undermining) along pipe invert are visible from the LS. Potential undermining caused by erosion under concrete apron on the WS. Crossing remains Urgent due to the pipe failure. (O. Magana - DWR UCIP)04/08/2014 Pipe failing and corroded through at LS toe. Need to contact owner to determine status of crossing. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 90 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.21), listed as a 24-inch CMP].
 FS Date: 11/1/2018 1:02:00 PM

Photo 1 of 3 : UCIP_FA_2020_61848_60770.jpg



Pipe, concrete headwall, and flapgate on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.18 | Rating ** | U | Issue No. | 1214 (cont) | |
| LM End | 7.18 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.300055 ° | 37.300055 ° | |
| | | | | -120.882939 ° | -120.882939 ° | |
| DWR ID | 19616 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_61848_60772.jpg



Flapgate and concrete headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.18 | Rating ** | U | Issue No. | 1214 (cont) |
| LM End | 7.18 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61848_60771.jpg



Pipe and Concrete headwall visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.29 | Rating ** | M | Issue No. | 1215 |
| LM End | 7.29 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.299931 ° | 37.299931 ° |
| | | | | -120.880947 ° | -120.880947 ° |
| DWR ID | 19617 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19617 FS_ID:61849 EP_NO: 4425 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Recommend contacting owner to determine status of crossing. No pump was found on waterward side (riverbank). If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch concrete encased steel irrigation discharge pipe through the levee, 13.6 feet below the crown. Pipe encased in 6-inches of concrete through the levee. 5-foot by 7-foot concrete distribution box on the waterside (WS). 20-inch concrete standpipe at the landside (LS) toe. Pump on the riverbank, accessible by walkway platform, pump not found. Concrete cutoff walls around pipe in line with the levee shoulders. Pipe extends to 36-inch concrete pipes on both sides of the levee. (Plans to install an irrigation pipeline through the levee authorized under Permit No. 4425, 1964 - James J. Stevinson, a Corporation). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.33), listed as a 24-inch pipe]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61849_60776.jpg



Pipe visible under water in concrete box riser on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.29 | Rating ** | M | Issue No. | 1215 (cont) |
| LM End | 7.29 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61849_60775.jpg



5'X7' concrete box riser on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.29 | Rating ** | M | Issue No. | 1215 (cont) |
| LM End | 7.29 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.299931 ° | 37.299931 ° |
| | | | | -120.880947 ° | -120.880947 ° |
| DWR ID | 19617 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61849_60774.jpg



20-inch concrete standpipe off LS toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.40 | Rating ** | M | Issue No. | 98 |
| LM End | 7.80 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.299827 ° | 37.298603 ° |
| | | | | -120.878907 ° | -120.871888 ° |
| DWR ID | DWR_NA0010_01_f_2020_98 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| start at LM 7.30 | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_98_20201020_00270.jpg



View of the landside slope looking upstream. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.42 | Rating ** | M | Issue No. | 1216 |
| LM End | 7.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.299817 ° | 37.299817 ° |
| | | | | -120.878519 ° | -120.878519 ° |
| DWR ID | 19618 | | | | |

Comment Code

Inspector Comment

DS_ID:19618
FS_ID:61850
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.46), listed as a corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.46), listed as a 24-inch CMP].
FS Date: 4/8/2014

| | | | | | |
|----------|------|--------------|----|------------|-------------|
| LM Start | 7.42 | Rating ** | M | Issue No. | 1216 (cont) |
| LM End | 7.42 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61850_60778.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61850_60780.jpg



Pipe and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.42 | Rating ** | M | Issue No. | 1216 (cont) |
| LM End | 7.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.299817 ° | 37.299817 ° |
| | | | | -120.878519 ° | -120.878519 ° |
| DWR ID | 19618 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61850_60779.jpg



Concrete headwall and pipe visible off LS toe in heavy vegetation.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.65 | Rating ** | M | Issue No. | 1217 |
| LM End | 7.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.299211 ° | 37.299211 ° |
| | | | | -120.874415 ° | -120.874415 ° |
| DWR ID | 19619 | | | | |

Comment Code

Inspector Comment

DS_ID:19619
 FS_ID:61851
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/08/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.69), listed as a 24-inch CMP].
 FS Date: 4/8/2014

Photo 1 of 3 : UCIP_FA_2020_61851_60842.jpg



Flapgate and headwall at WS toe. Heavy vegetation on slopes.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.65 | Rating ** | M | Issue No. | 1217 (cont) |
| LM End | 7.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.299211 ° | 37.299211 ° |
| | | | | -120.874415 ° | -120.874415 ° |
| DWR ID | 19619 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61851_60840.jpg



Flapgate and headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.65 | Rating ** | M | Issue No. | 1217 (cont) |
| LM End | 7.65 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61851_60841.jpg



Concrete headwall at LS toe. Heavy vegetation on both slopes.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.03 | Rating ** | M | Issue No. | 1218 |
| LM End | 8.03 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.298711 ° | 37.298711 ° |
| | | | | -120.867756 ° | -120.867756 ° |
| DWR ID | 19620 | | | | |

Comment Code

Inspector Comment

DS_ID:19620
FS_ID:61852
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.07), listed as a 24-inch CMP].
FS Date: 4/9/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.03 | Rating ** | M | Issue No. | 1218 (cont) |
| LM End | 8.03 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61852_60844.jpg



Pipe, Headwall, and flapgate at WS toe.

Photo 2 of 3 : UCIP_FA_2020_61852_60847.jpg



Pipe, Headwall, and flapgate at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 8.03 | Rating ** | M | Issue No. | 1218 (cont) |
| LM End | 8.03 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.298711 ° | 37.298711 ° | |
| | | | -120.867756 ° | -120.867756 ° | |
| DWR ID | 19620 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61852_60846.jpg



Pipe and concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 8.38 | Rating ** | M | Issue No. | 1219 |
| LM End | 8.38 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.296637 ° | 37.296637 ° | |
| | | | -120.861994 ° | -120.861994 ° | |
| DWR ID | 19621 | | | | |

Comment Code

Inspector Comment

DS_ID:19621
 FS_ID:61853
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup at landward toe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.41), listed as a 24-inch CMP].
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_61853_60850.jpg



Concrete headwall, pipe, and flapgate at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.38 | Rating ** | M | Issue No. | 1219 (cont) |
| LM End | 8.38 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.296637 ° | 37.296637 ° |
| | | | | -120.861994 ° | -120.861994 ° |
| DWR ID | 19621 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61853_60848.jpg



Concrete headwall, pipe, and flapgate at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.38 | Rating ** | M | Issue No. | 1219 (cont) |
| LM End | 8.38 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61853_60849.jpg



Pipe and concrete headwall at LS toe. Note heavy vegetation.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.55 | Rating ** | M | Issue No. | 12 |
| LM End | 8.63 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.296489 ° | 37.296764 ° |
| | | | | -120.859081 ° | -120.857635 ° |
| DWR ID | DWR_NA0010_01_s_2018_12 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes observed along this section. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 8.57 | Rating ** | A/W | Issue No. | 1220 | |
| LM End | 8.57 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.296552 ° | 37.296552 ° | |
| | | | | -120.858596 ° | -120.858596 ° | |
| DWR ID | 19622 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19622 FS_ID:61854 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.62), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.61), listed as a 24-inch CMP]. FS Date: 4/9/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61854_60854.jpg



Pipe, Flapgate, and headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 8.57 | Rating ** | A/W | Issue No. | 1220 (cont) |
| LM End | 8.57 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61854_60855.jpg



Pipe, Flapgate, and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 8.57 | Rating ** | A/W | Issue No. | 1220 (cont) |
| LM End | 8.57 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.296552 ° | 37.296552 ° | |
| | | | -120.858596 ° | -120.858596 ° | |
| DWR ID | 19622 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61854_60853.jpg



Pipe and headwall at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 8.89 | Rating ** | M | Issue No. | 1221 |
| LM End | 8.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.297296 ° | 37.297296 ° | |
| | | | -120.852871 ° | -120.852871 ° | |
| DWR ID | 19623 | | | | |

Comment Code

Inspector Comment

DS_ID:19623
 FS_ID:61855
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.1 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.95), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.93), listed as a 24-inch CMP].
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_61855_60859.jpg



Pipe, flapgate, and headwall on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.89 | Rating ** | M | Issue No. | 1221 (cont) | |
| LM End | 8.89 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.297296 ° | 37.297296 ° | |
| | | | | -120.852871 ° | -120.852871 ° | |
| DWR ID | 19623 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_61855_60860.jpg



Pipe, flapgate, and headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.89 | Rating ** | M | Issue No. | 1221 (cont) |
| LM End | 8.89 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61855_60858.jpg



Pipe and headwall visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 8.97 | Rating ** | U | Issue No. | 1222 |
| LM End | 8.97 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.297423 ° | 37.297423 ° |
| | | | | -120.851575 ° | -120.851575 ° |
| DWR ID | 19624 | | | | |

Comment Code

Inspector Comment

DS_ID:19624
FS_ID:61856
EP_NO: 12156
Repair Type: Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/01/2018 Dense vegetation prevented a full inspection of this crossing. Assumed crossing remains the same as the 2016 inspection. Crossing remains Urgent due to signs of pipe being rusted through visible from the WS. Need to contact owner to clear the dense vegetation on both the WS and the LS to be able to perform proper inspection of crossing. (O. Magana - DWR UCIP)7/19/2016 same as previous inspection--pipe rusted through. Sediment visible inside LS pipe; walkway wood panels have dry rot and appears to be unsafe to use. (O. Magana - DWR UCIP)4/09/2014 Slide gate rusted through and open on WS toe. Inlet appears to be obscured or covered in soil at LS toe. Also dense vegetation on waterward and landward sides. Need to contact owner to contact CVFPB to address issue. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 26-inch steel pipe sleeved through a 30-inch reinforced concrete gravity drainage pipe through the levee, 7.3 feet below the crown. Annular space grouted between the two pipes. Two concrete cutoff walls in the center of the levee. Slide gate with elevated walkway access on the waterside (WS) end. 6-inch thick concrete headwall on the WS end. Concrete wing walls on each end. (Plans to install a 30-inch storm drainage pipe with a valve through the levee authorized under Permit No. 12156, 1977 - Merquin County Water District). (Additional Related Permit(s): Permit No. 12156-A, 1978 - Merquin County Water District). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.01), listed as a 30-inch concrete pipe].
FS Date: 11/1/2018 12:50:00 PM

Photo 1 of 3 : UCIP_FA_2020_61856_60864.jpg



Metal walkway to slidegate operator on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 8.97 | Rating ** | U | Issue No. | 1222 (cont) |
| LM End | 8.97 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.297423 ° | 37.297423 ° | |
| | | | -120.851575 ° | -120.851575 ° | |
| DWR ID | 19624 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61856_60862.jpg



Slidegate and headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.97 | Rating ** | U | Issue No. | 1222 (cont) |
| LM End | 8.97 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61856_60865.jpg



Slidegate rusted through and open on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.97 | Rating ** | M | Issue No. | 1223 |
| LM End | 8.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.297425 ° | 37.297425 ° |
| | | | | -120.851522 ° | -120.851522 ° |
| DWR ID | 19625 | | | | |

Comment Code

Inspector Comment

DS_ID:19625
FS_ID:61857
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Some sediment buildup in pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.01), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.00), listed as a 36-inch CMP].
FS Date: 4/9/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.97 | Rating ** | M | Issue No. | 1223 (cont) |
| LM End | 8.97 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61857_60870.jpg



Pipe and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61857_60869.jpg



Pipe and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 8.97 | Rating ** | M | Issue No. | 1223 (cont) |
| LM End | 8.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.297425 ° | 37.297425 ° | |
| | | | -120.851522 ° | -120.851522 ° | |
| DWR ID | 19625 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61857_60868.jpg



Pipe and headwall visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 8.99 | Rating ** | M | Issue No. | 1224 |
| LM End | 8.99 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.297488 ° | 37.297488 ° | |
| | | | -120.851157 ° | -120.851157 ° | |
| DWR ID | 19626 | | | | |

Comment Code

Inspector Comment

DS_ID:19626
 FS_ID:61858
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.03), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.03), listed as a 24-inch CMP].
 FS Date: 4/9/2014

Photo 1 of 2 : UCIP_FA_2020_61858_60872.jpg



Heavy vegetation on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 8.99 | Rating ** | M | Issue No. | 1224 (cont) |
| LM End | 8.99 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.297488 ° | 37.297488 ° | |
| | | | -120.851157 ° | -120.851157 ° | |
| DWR ID | 19626 | | | | |

Photo 2 of 2 : UCIP_FA_2020_61858_60871.jpg



Pipe, concrete headwall, and flapgate at WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.00 | Rating ** | M | Issue No. | 100 |
| LM End | 9.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.297502 ° | 37.295451 ° |
| | | | | -120.851059 ° | -120.842783 ° |
| DWR ID | DWR_NA0010_01_f_2020_100 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_100_20201020_00271.jpg



Looking upstream at vegetation along the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.34 | Rating ** | M | Issue No. | 1225 |
| LM End | 9.34 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.295413 ° | 37.295413 ° |
| | | | | -120.845664 ° | -120.845664 ° |
| DWR ID | 19627 | | | | |

Comment Code

Inspector Comment

DS_ID:19627
FS_ID:61863
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete drop inlet at the landside (LS) toe. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.39), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.37), listed as 24-inch CMP].
FS Date: 4/9/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 9.34 | Rating ** | M | Issue No. | 1225 (cont) |
| LM End | 9.34 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61863_60875.jpg



Pipe and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61863_60876.jpg



Headwall, Pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 9.34 | Rating ** | M | Issue No. | 1225 (cont) | |
| LM End | 9.34 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.295413 ° | 37.295413 ° | |
| | | | | -120.845664 ° | -120.845664 ° | |
| DWR ID | 19627 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61863_60874.jpg



Concrete drop-inlet installed on pipe at LS toe.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.56 | Rating ** | M | Issue No. | 101 |
| LM End | 9.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.295541 ° | 37.295541 ° |
| | | | | -120.841739 ° | -120.841739 ° |
| DWR ID | DWR_NA0010_01_f _ 2020_101 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_101_20201020_00272.jpg



Rodent burrows in the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 9.64 | Rating ** | A/W | Issue No. | 1226 | |
| LM End | 9.64 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.294845 ° | 37.294845 ° | |
| | | | | -120.840580 ° | -120.840580 ° | |
| DWR ID | 19628 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19628 FS_ID:61860 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 80 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.68), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.67), listed as a 24-inch CMP]. FS Date: 4/9/2014 | | | | | | |

Photo 1 of 1 : UCIP_FA_2020_61860_60880.jpg



Pipe, flapgate, and headwall visible on WS toe.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 9.89 | Rating ** | A/W | Issue No. | 112 |
| LM End | 9.90 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.291796 ° | 37.291581 ° |
| | | | | -120.839497 ° | -120.839718 ° |
| DWR ID | DWR_NA0010_01_f_2017_112 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Landowner degraded levee in the 1970's because water on LS was flooding his property. Landowner has prevented efforts to restore levee. LMA has stated that no water from the waterside of the levee has ever backed up through the degraded levee and caused flooding. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_112_20201020_00273.jpg



Looking east at the levee breach. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.93 | Rating ** | M | Issue No. | 103 |
| LM End | 10.03 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.291176 ° | 37.289870 ° |
| | | | | -120.839636 ° | -120.840563 ° |
| DWR ID | DWR_NA0010_01_f_2020_103 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.94 | Rating ** | U | Issue No. | 120 |
| LM End | 9.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.290994 ° | 37.290673 ° |
| | | | | -120.839758 ° | -120.839988 ° |
| DWR ID | DWR_NA0010_01_f_2018_120 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent burrows observed in this section with large amount of material displaced. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_120_20200901_00018.jpg



View of rodent burrow in the landside slope. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.99 | Rating ** | M | Issue No. | 121 |
| LM End | 9.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.290432 ° | 37.290432 ° |
| | | | | -120.840189 ° | -120.840189 ° |
| DWR ID | DWR_NA0010_01_f_2018_121 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes noted at this location. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 10.20 | Rating ** | M | Issue No. | 1227 |
| LM End | 10.20 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.287511 ° | 37.287511 ° | |
| | | | -120.840251 ° | -120.840251 ° | |
| DWR ID | 19629 | | | | |

Comment Code

Inspector Comment

DS_ID:19629
FS_ID:61865
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/09/2014 Dense vegetation blocks waterward and landward toes Recommend removing vegetation from both toes. Also sediment buildup in pipe visible from landward side. (W. Wylie - UCIP DMP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 69 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.24), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.23), listed as a 24-inch CMP].
FS Date: 4/9/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 10.20 | Rating ** | M | Issue No. | 1227 (cont) |
| LM End | 10.20 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61865_60884.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_61865_60886.jpg



Pipe, headwall, and flapgate at WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 10.20 | Rating ** | M | Issue No. | 1227 (cont) |
| LM End | 10.20 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.287511 ° | 37.287511 ° | |
| | | | -120.840251 ° | -120.840251 ° | |
| DWR ID | 19629 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61865_60885.jpg



Pipe and headwall at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 10.68 | Rating ** | A/W | Issue No. | 1228 |
| LM End | 10.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.283740 ° | 37.283740 ° | |
| | | | -120.833452 ° | -120.833452 ° | |
| DWR ID | 19630 | | | | |

Comment Code

Inspector Comment

DS_ID:19630
 FS_ID:61866
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 68 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.72), listed as a 24-inch CMP].
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_61866_60890.jpg



Pipe and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 10.68 | Rating ** | A/W | Issue No. | 1228 (cont) |
| LM End | 10.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.283740 ° | 37.283740 ° | |
| | | | -120.833452 ° | -120.833452 ° | |
| DWR ID | 19630 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61866_60889.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 10.68 | Rating ** | A/W | Issue No. | 1228 (cont) |
| LM End | 10.68 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61866_60888.jpg



Pipe and headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 10.69 | Rating ** | A/W | Issue No. | 1229 | |
| LM End | 10.69 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.283710 ° | 37.283710 ° | |
| | | | | -120.833329 ° | -120.833329 ° | |
| DWR ID | 19631 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19631 FS_ID:61867 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 67 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.72), listed as a 24-inch CMP]. FS Date: 4/9/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61867_60894.jpg



Headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 10.69 | Rating ** | A/W | Issue No. | 1229 (cont) |
| LM End | 10.69 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61867_60893.jpg



Headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 10.69 | Rating ** | A/W | Issue No. | 1229 (cont) |
| LM End | 10.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.283710 ° | 37.283710 ° | |
| | | | -120.833329 ° | -120.833329 ° | |
| DWR ID | 19631 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61867_60895.jpg



Concrete pipe visible on LS slope.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 10.98 | Rating ** | M | Issue No. | 1230 |
| LM End | 10.98 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.282627 ° | 37.282627 ° | |
| | | | -120.828233 ° | -120.828233 ° | |
| DWR ID | 19632 | | | | |

Comment Code

Inspector Comment

DS_ID:19632
 FS_ID:61868
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/09/2014 Dense vegetation blocks landward headwall. Recommend removing excess vegetation on landward toe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 66 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.02), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.00), listed as a 24-inch CMP].
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_61868_60897.jpg



Pipe, headwall, and flapgate on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.98 | Rating ** | M | Issue No. | 1230 (cont) |
| LM End | 10.98 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.282627 ° | 37.282627 ° |
| | | | | -120.828233 ° | -120.828233 ° |
| DWR ID | 19632 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61868_60899.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 10.98 | Rating ** | M | Issue No. | 1230 (cont) |
| LM End | 10.98 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61868_60898.jpg



Pipe and headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|------|---------------|
| LM Start | 11.14 | Rating ** | A/W | Issue No. | 1231 | |
| LM End | 11.14 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.281813 ° | | 37.281813 ° |
| | | | | -120.825409 ° | | -120.825409 ° |
| DWR ID | 19633 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19633 FS_ID:61869 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 65 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.20), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.18), listed as a 24-inch CMP]. FS Date: 4/9/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61869_60903.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 11.14 | Rating ** | A/W | Issue No. | 1231 (cont) |
| LM End | 11.14 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61869_60902.jpg



Pipe and headwall at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 11.14 | Rating ** | A/W | Issue No. | 1231 (cont) |
| LM End | 11.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.281813 ° | 37.281813 ° |
| | | | | -120.825409 ° | -120.825409 ° |
| DWR ID | 19633 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61869_60901.jpg



Pipe and headwall at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.37 | Rating ** | M | Issue No. | 151 |
| LM End | 11.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.275481 ° | 37.275481 ° |
| | | | | -120.826042 ° | -120.826042 ° |
| DWR ID | DWR_NA0010_01_s_2020_151 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_151_20200901_00022.jpg



Rodent burrows in the landside 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|-------------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 11.37 | Rating ** | A/W | Issue No. | 1232 |
| LM End | 11.37 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.275518 ° | 37.275518 ° | |
| | | | -120.826052 ° | -120.826052 ° | |
| DWR ID | 19814 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19814 FS_ID:47100 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through levee, 12 feet below the crown. Two metal cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as U6 HLM 0.05 should be U1 HLM 11.37)]. FS Date: 4/18/2014 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.49 | Rating ** | M | Issue No. | 1233 |
| LM End | 11.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273787 ° | 37.273787 ° |
| | | | | -120.825519 ° | -120.825519 ° |
| DWR ID | 19634 | | | | |

Comment Code

Inspector Comment

DS_ID:19634
FS_ID:61870
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Need to contact owner--landward side has been buried. It appears that soil was removed from levee toe, immediately upstream, and used to pile soil at landward side at crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 62 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 11.49 | Rating ** | M | Issue No. | 1233 (cont) |
| LM End | 11.49 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61870_65362.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61870_65364.jpg



View of concrete headwall and flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.49 | Rating ** | M | Issue No. | 1233 (cont) |
| LM End | 11.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273787 ° | 37.273787 ° |
| | | | | -120.825519 ° | -120.825519 ° |
| DWR ID | 19634 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61870_65363.jpg



Inside view of pipe from waterward side.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.62 | Rating ** | M | Issue No. | 132 |
| LM End | 11.62 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.271863 ° | 37.271863 ° |
| | | | | -120.825903 ° | -120.825903 ° |
| DWR ID | DWR_NA0010_01_s_2019_132 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.78 | Rating ** | M | Issue No. | 1234 |
| LM End | 11.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.269701 ° | 37.269701 ° |
| | | | | -120.826450 ° | -120.826450 ° |
| DWR ID | 19635 | | | | |

Comment Code

Inspector Comment

DS_ID:19635
FS_ID:61871
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Crossing is non-functional --landward side is buried. Debris found on landward side (channel). Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 61 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.77), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.76), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 11.78 | Rating ** | M | Issue No. | 1234 (cont) |
| LM End | 11.78 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61871_65372.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61871_65371.jpg



Landward side of crossing buried--damage pipe section visible on landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 11.78 | Rating ** | M | Issue No. | 1234 (cont) |
| LM End | 11.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.269701 ° | 37.269701 ° | |
| | | | -120.826450 ° | -120.826450 ° | |
| DWR ID | 19635 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61871_65373.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 12.12 | Rating ** | M | Issue No. | 1235 |
| LM End | 12.12 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.265336 ° | 37.265336 ° | |
| | | | -120.826591 ° | -120.826591 ° | |
| DWR ID | 19636 | | | | |

Comment Code

Inspector Comment

DS_ID:19636
 FS_ID:61873
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Crossing is non-functional --landward side is buried. Dense vegetation found on waterward slope. Recommend contacting owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.12), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.11), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61873_65378.jpg



View of waterward side--flap gate visible on waterward toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.12 | Rating ** | M | Issue No. | 1235 (cont) |
| LM End | 12.12 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.265336 ° | 37.265336 ° |
| | | | | -120.826591 ° | -120.826591 ° |
| DWR ID | 19636 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61873_65379.jpg



Flap gate and concrete headwall visible on waterward side.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 12.12 | Rating ** | M | Issue No. | 1235 (cont) |
| LM End | 12.12 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61873_65377.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.95 | Rating ** | M | Issue No. | 1236 |
| LM End | 12.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.256873 ° | 37.256873 ° |
| | | | | -120.821277 ° | -120.821277 ° |
| DWR ID | 19637 | | | | |

Comment Code

Inspector Comment

DS_ID:19637
FS_ID:61874
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Concrete headwall on landward side blocked by debris. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.95), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.94), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 12.95 | Rating ** | M | Issue No. | 1236 (cont) |
| LM End | 12.95 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61874_65412.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61874_65411.jpg



Flap gate and concrete headwall visible on waterward side.

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 12.95 | Rating ** | M | Issue No. | 1236 (cont) |
| LM End | 12.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.256873 ° | 37.256873 ° | |
| | | | -120.821277 ° | -120.821277 ° | |
| DWR ID | 19637 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61874_65410.jpg



View of landward side--concrete headwall visible covered by dense vegetation.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 13.49 | Rating ** | M | Issue No. | 1237 |
| LM End | 13.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.251590 ° | 37.251590 ° | |
| | | | -120.814354 ° | -120.814354 ° | |
| DWR ID | 19638 | | | | |

Comment Code

Inspector Comment

DS_ID:19638
 FS_ID:61875
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Concrete headwall blocked by debris located on landward toe. Recommend clearing debris from landward slope and toe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.48), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61875_65389.jpg



View of waterward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.49 | Rating ** | M | Issue No. | 1237 (cont) |
| LM End | 13.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251590 ° | 37.251590 ° |
| | | | | -120.814354 ° | -120.814354 ° |
| DWR ID | 19638 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61875_65387.jpg



View of flap gate and pipe through levee on waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 13.49 | Rating ** | M | Issue No. | 1237 (cont) |
| LM End | 13.49 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61875_65388.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 1238 |
| LM End | 13.59 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.250138 ° | 37.250138 ° |
| | | | | -120.814720 ° | -120.814720 ° |
| DWR ID | 19639 | | | | |

Comment Code

Inspector Comment

DS_ID:19639
FS_ID:61876
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 No access to waterward toe due to fence. Unable to find the concrete headwall and flap gate on waterward side past fence. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also need access past fence on waterward side. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.58), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 1238 (cont) |
| LM End | 13.59 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61876_65418.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61876_65417.jpg



Dense vegetation on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 1238 (cont) |
| LM End | 13.59 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.250138 ° | 37.250138 ° | |
| | | | -120.814720 ° | -120.814720 ° | |
| DWR ID | 19639 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61876_65416.jpg



Concrete headwall visible from landward side.

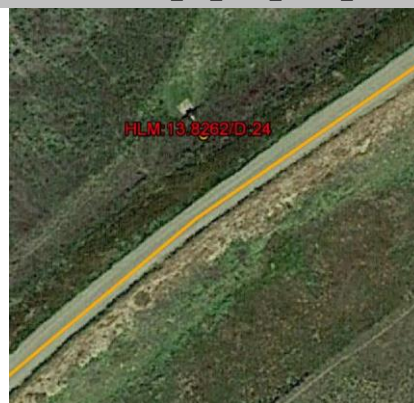
| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 13.82 | Rating ** | M | Issue No. | 1239 |
| LM End | 13.82 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.247568 ° | 37.247568 ° | |
| | | | -120.817074 ° | -120.817074 ° | |
| DWR ID | 19640 | | | | |

Comment Code

Inspector Comment

DS_ID:19640
 FS_ID:61877
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 04/25/2014 No photos available--missed crossing.
 Aerial photograph indicates crossing is present. Need to confirm if crossing is still present on waterward side. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.83), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.81), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 1 : UCIP_FA_2020_61877_66286.jpg



Indicators of crossing visible from aerial photograph.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.22 | Rating ** | M | Issue No. | 1240 |
| LM End | 14.22 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.242225 ° | 37.242225 ° |
| | | | | -120.817665 ° | -120.817665 ° |
| DWR ID | 19641 | | | | |

Comment Code

Inspector Comment

DS_ID:19641
FS_ID:61878
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.21), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 14.22 | Rating ** | M | Issue No. | 1240 (cont) |
| LM End | 14.22 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61878_65449.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61878_65452.jpg



View of concrete headwall, concrete apron, and flap gate on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 14.22 | Rating ** | M | Issue No. | 1240 (cont) |
| LM End | 14.22 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.242225 ° | 37.242225 ° | |
| | | | -120.817665 ° | -120.817665 ° | |
| DWR ID | 19641 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61878_65448.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 14.65 | Rating ** | M | Issue No. | 1241 |
| LM End | 14.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.237584 ° | 37.237584 ° | |
| | | | -120.812967 ° | -120.812967 ° | |
| DWR ID | 19642 | | | | |

Comment Code

Inspector Comment

DS_ID:19642
 FS_ID:61879
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope and toe. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.65), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61879_65455.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 14.65 | Rating ** | M | Issue No. | 1241 (cont) |
| LM End | 14.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.237584 ° | 37.237584 ° | |
| | | | -120.812967 ° | -120.812967 ° | |
| DWR ID | 19642 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61879_65454.jpg



Flap gate, concrete headwall, and concrete apron located on waterward toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 14.65 | Rating ** | M | Issue No. | 1241 (cont) |
| LM End | 14.65 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61879_65453.jpg



Concrete headwall located on landward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------|
| LM Start | 15.29 | Rating ** | M | Issue No. | 1242 |
| LM End | 15.29 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.231428 ° | 37.231428 ° | |
| | | | -120.805543 ° | -120.805543 ° | |
| DWR ID | 19643 | | | | |

Comment Code

Inspector Comment

DS_ID:19643
FS_ID:61880
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.31), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.29), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 15.29 | Rating ** | M | Issue No. | 1242 (cont) |
| LM End | 15.29 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61880_65459.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61880_65457.jpg



Concrete headwall, flap gate, and concrete apron located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 15.29 | Rating ** | M | Issue No. | 1242 (cont) |
| LM End | 15.29 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.231428 ° | 37.231428 ° | |
| | | | -120.805543 ° | -120.805543 ° | |
| DWR ID | 19643 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61880_65458.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 15.58 | Rating ** | M | Issue No. | 1243 |
| LM End | 15.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.228155 ° | 37.228155 ° | |
| | | | -120.802645 ° | -120.802645 ° | |
| DWR ID | 19644 | | | | |

Comment Code

Inspector Comment

DS_ID:19644
 FS_ID:61881
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.57), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.57), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61881_65464.jpg



View of waterward side--flap gate visible through dense vegetation.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 15.58 | Rating ** | M | Issue No. | 1243 (cont) |
| LM End | 15.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.228155 ° | 37.228155 ° | |
| | | | -120.802645 ° | -120.802645 ° | |
| DWR ID | 19644 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61881_65463.jpg



View of waterward slope covered by dense vegetation.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.58 | Rating ** | M | Issue No. | 1243 (cont) |
| LM End | 15.58 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61881_65462.jpg



Concrete headwall visible on landward toe--dense vegetation blocking inlet.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1244 |
| LM End | 15.82 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.226099 ° | 37.226099 ° |
| | | | | -120.799125 ° | -120.799125 ° |
| DWR ID | 19645 | | | | |

Comment Code

Inspector Comment

DS_ID:19645
FS_ID:61882
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 60 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.81), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1244 (cont) |
| LM End | 15.82 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61882_65471.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61882_65470.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1244 (cont) |
| LM End | 15.82 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.226099 ° | 37.226099 ° | |
| | | | -120.799125 ° | -120.799125 ° | |
| DWR ID | 19645 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61882_65469.jpg



Side view of pipe and flap gate on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1245 |
| LM End | 16.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224157 ° | 37.224157 ° | |
| | | | -120.795250 ° | -120.795250 ° | |
| DWR ID | 19646 | | | | |

Comment Code

Inspector Comment

DS_ID:19646
 FS_ID:61883
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.09), listed as a 24-inch pipe].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61883_65476.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1245 (cont) |
| LM End | 16.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224157 ° | 37.224157 ° | |
| | | | -120.795250 ° | -120.795250 ° | |
| DWR ID | 19646 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61883_65475.jpg



Flap gate visible on waterward toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1245 (cont) |
| LM End | 16.09 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61883_65474.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.15 | Rating ** | M | Issue No. | 1246 |
| LM End | 16.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.224120 ° | 37.224120 ° |
| | | | | -120.794002 ° | -120.794002 ° |
| DWR ID | 19647 | | | | |

Comment Code

Inspector Comment

DS_ID:19647
FS_ID:61884
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.16), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.15), listed as a 24-inch pipe].
FS Date: 4/25/2014

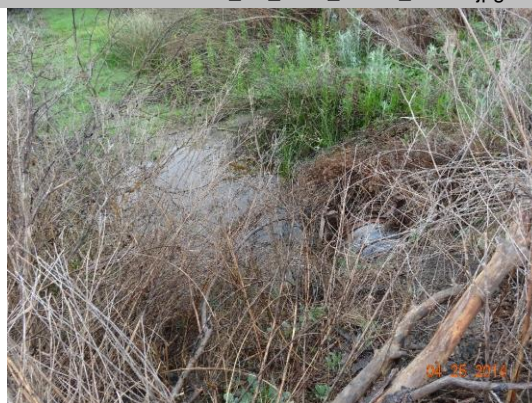
| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.15 | Rating ** | M | Issue No. | 1246 (cont) |
| LM End | 16.15 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61884_65480.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61884_65479.jpg



Crossing visible on waterward side under dense vegetation.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 16.15 | Rating ** | M | Issue No. | 1246 (cont) |
| LM End | 16.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224120 ° | 37.224120 ° | |
| | | | -120.794002 ° | -120.794002 ° | |
| DWR ID | 19647 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61884_65478.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 16.72 | Rating ** | M | Issue No. | 1247 |
| LM End | 16.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224223 ° | 37.224223 ° | |
| | | | -120.783806 ° | -120.783806 ° | |
| DWR ID | 19648 | | | | |

Comment Code

Inspector Comment

DS_ID:19648
 FS_ID:61886
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Unable to find pipe on landward side. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.72), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61886_66288.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 16.72 | Rating ** | M | Issue No. | 1247 (cont) |
| LM End | 16.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224223 ° | 37.224223 ° | |
| | | | -120.783806 ° | -120.783806 ° | |
| DWR ID | 19648 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61886_66289.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.72 | Rating ** | M | Issue No. | 1247 (cont) |
| LM End | 16.72 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61886_66287.jpg



View of flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 16.72 | Rating ** | M | Issue No. | 1248 | |
| LM End | 16.72 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.224223 ° | 37.224223 ° | |
| | | | | -120.783806 ° | -120.783806 ° | |
| DWR ID | 24870 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:24870 | | | | | | |
| FS_ID:61888 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 04/25/2014 Need to contact owner to determine status and reason for crossing. (O. Magana - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel gravity drainage pipe through the levee, at an unknown depth. Concrete standpipe visible on the landside (LS). This pipe was field discovered. | | | | | | |
| FS Date: 4/25/2014 | | | | | | |

Photo 1 of 2 : UCIP_FA_2020_61888_71487.jpg



View of pipe located on waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.72 | Rating ** | M | Issue No. | 1248 (cont) |
| LM End | 16.72 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_FA_2020_61888_71486.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.01 | Rating ** | M | Issue No. | 1249 |
| LM End | 17.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.221838 ° | 37.221838 ° |
| | | | | -120.780230 ° | -120.780230 ° |
| DWR ID | 19577 | | | | |

Comment Code

Inspector Comment

DS_ID:19577
FS_ID:61889
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Concrete headwall is buried by dense vegetation. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.01), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 17.01 | Rating ** | M | Issue No. | 1249 (cont) |
| LM End | 17.01 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61889_65518.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61889_65519.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 17.01 | Rating ** | M | Issue No. | 1249 (cont) |
| LM End | 17.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.221838 ° | 37.221838 ° | |
| | | | -120.780230 ° | -120.780230 ° | |
| DWR ID | 19577 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61889_65517.jpg



View of landward side.

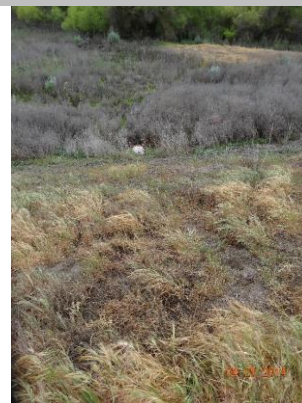
| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 17.19 | Rating ** | M | Issue No. | 1250 |
| LM End | 17.19 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.219302 ° | 37.219302 ° | |
| | | | -120.779475 ° | -120.779475 ° | |
| DWR ID | 19578 | | | | |

Comment Code

Inspector Comment

DS_ID:19578
 FS_ID:61890
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup inside pipe visible from landward side. Recommend clearing pipe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.20), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.19), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61890_65525.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 17.19 | Rating ** | M | Issue No. | 1250 (cont) |
| LM End | 17.19 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.219302 ° | 37.219302 ° | |
| | | | -120.779475 ° | -120.779475 ° | |
| DWR ID | 19578 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61890_65521.jpg



Pipe visible on waterward side.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 17.19 | Rating ** | M | Issue No. | 1250 (cont) |
| LM End | 17.19 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61890_65520.jpg



Flap gate visible on waterward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.26 | Rating ** | M | Issue No. | 1251 |
| LM End | 17.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.218332 ° | 37.218332 ° |
| | | | | -120.779459 ° | -120.779459 ° |
| DWR ID | 19579 | | | | |

Comment Code

Inspector Comment

DS_ID:19579
FS_ID:61891
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.27), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.26), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 17.26 | Rating ** | M | Issue No. | 1251 (cont) |
| LM End | 17.26 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61891_65551.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2020_61891_65552.jpg



Pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 17.26 | Rating ** | M | Issue No. | 1251 (cont) |
| LM End | 17.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.218332 ° | 37.218332 ° | |
| | | | -120.779459 ° | -120.779459 ° | |
| DWR ID | 19579 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61891_65554.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 17.52 | Rating ** | M | Issue No. | 1252 |
| LM End | 17.52 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.215976 ° | 37.215976 ° | |
| | | | -120.777615 ° | -120.777615 ° | |
| DWR ID | 19580 | | | | |

Comment Code

Inspector Comment

DS_ID:19580
 FS_ID:61892
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.53), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61892_65547.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.52 | Rating ** | M | Issue No. | 1252 (cont) |
| LM End | 17.52 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.215976 ° | 37.215976 ° |
| | | | | -120.777615 ° | -120.777615 ° |
| DWR ID | 19580 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61892_65546.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 17.52 | Rating ** | M | Issue No. | 1252 (cont) |
| LM End | 17.52 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61892_65545.jpg



View of landward side--riser at levee toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 18.18 | Rating ** | M | Issue No. | 1253 | |
| LM End | 18.18 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.210998 ° | 37.210998 ° | |
| | | | | -120.768900 ° | -120.768900 ° | |
| DWR ID | 19581 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19581 FS_ID:61893 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/25/2014 Need to contact owner. Recommend investigating integrity of pipe wall through levee heavy corrosion visible from landward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.21), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.19), listed as a 24-inch CMP]. FS Date: 4/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61893_65557.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.18 | Rating ** | M | Issue No. | 1253 (cont) |
| LM End | 18.18 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61893_65556.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 18.18 | Rating ** | M | Issue No. | 1253 (cont) |
| LM End | 18.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.210998 ° | 37.210998 ° | |
| | | | -120.768900 ° | -120.768900 ° | |
| DWR ID | 19581 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61893_65555.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 18.45 | Rating ** | A/W | Issue No. | 1254 |
| LM End | 18.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.207538 ° | 37.207538 ° | |
| | | | -120.767679 ° | -120.767679 ° | |
| DWR ID | 19582 | | | | |

Comment Code

Inspector Comment

DS_ID:19582
 FS_ID:61894
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.47), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.45), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61894_65563.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 18.45 | Rating ** | A/W | Issue No. | 1254 (cont) |
| LM End | 18.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.207538 ° | 37.207538 ° |
| | | | | -120.767679 ° | -120.767679 ° |
| DWR ID | 19582 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61894_65562.jpg



View of waterward slope.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 18.45 | Rating ** | A/W | Issue No. | 1254 (cont) |
| LM End | 18.45 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61894_65561.jpg



Flap gate visible on waterward side.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.77 | Rating ** | U | Issue No. | 134 |
| LM End | 18.77 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.205064 ° | 37.205064 ° |
| | | | | -120.762721 ° | -120.762721 ° |
| DWR ID | DWR_NA0010_01_s_2019_134 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_134_20200901_00020.jpg



View of prunings on waterside slope. (Spring 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.79 | Rating ** | M | Issue No. | 1255 |
| LM End | 18.79 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.204966 ° | 37.204966 ° |
| | | | | -120.762511 ° | -120.762511 ° |
| DWR ID | 19593 | | | | |

Comment Code

Inspector Comment

DS_ID:19593
 FS_ID:61896
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 50 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.80), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.79), listed as a 24-inch CMP].
 FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.79 | Rating ** | M | Issue No. | 1255 (cont) |
| LM End | 18.79 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61896_65627.jpg



Overview of levee crown and waterward slope.

Photo 2 of 3 : UCIP_FA_2020_61896_65623.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 18.79 | Rating ** | M | Issue No. | 1255 (cont) |
| LM End | 18.79 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.204966 ° | 37.204966 ° | |
| | | | -120.762511 ° | -120.762511 ° | |
| DWR ID | 19593 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61896_65626.jpg



Overview of landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.79 | Rating ** | U | Issue No. | 94 |
| LM End | 18.79 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.204913 ° | 37.204913 ° |
| | | | | -120.762412 ° | -120.762412 ° |
| DWR ID | DWR_NA0010_01_s_2018_94 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes on landward slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_94_20200901_00006.jpg



Looking at large rodent hole on landward slope. (Spring 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.17 | Rating ** | M | Issue No. | 1256 |
| LM End | 19.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202801 ° | 37.202801 ° |
| | | | | -120.756209 ° | -120.756209 ° |
| DWR ID | 19594 | | | | |

Comment Code

Inspector Comment

DS_ID:19594
FS_ID:61897
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Non-functional crossing--pipe is buried on waterward side. Sediment buildup in pipe visible from landward side. Need to coordinate with owner to determine status. If crossing is no longer in use, owner will need to coordinate with DWR Inspector and CVFPB to properly abandon. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.17), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 19.17 | Rating ** | M | Issue No. | 1256 (cont) |
| LM End | 19.17 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61897_65631.jpg



View of waterward slope. CMP riser and pipe visible.

Photo 2 of 3 : UCIP_FA_2020_61897_65630.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.17 | Rating ** | M | Issue No. | 1256 (cont) |
| LM End | 19.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202801 ° | 37.202801 ° | |
| | | | -120.756209 ° | -120.756209 ° | |
| DWR ID | 19594 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61897_65632.jpg



Inside view of CMP riser.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1257 |
| LM End | 19.32 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.200921 ° | 37.200921 ° | |
| | | | -120.756901 ° | -120.756901 ° | |
| DWR ID | 24871 | | | | |

Comment Code

Inspector Comment

DS_ID:24871
 FS_ID:61898
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 1 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered.
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61898_71421.jpg



View of landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1257 (cont) |
| LM End | 19.32 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.200921 ° | 37.200921 ° | |
| | | | -120.756901 ° | -120.756901 ° | |
| DWR ID | 24871 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61898_71420.jpg



Overview of levee crown at crossing.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1257 (cont) |
| LM End | 19.32 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61898_71423.jpg



View of waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1258 | |
| LM End | 19.32 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.200919 ° | 37.200919 ° | |
| | | | | -120.756928 ° | -120.756928 ° | |
| DWR ID | 24872 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:24872 FS_ID:61899 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/25/2014 New crossing found during field inspection--Need to contact owner to obtain additional information about crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 20-inch steel drainage discharge pipe through the levee, at an unknown depth. Pump station and electrical panel on the landside (LS). This pipe was field discovered. FS Date: 4/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61899_71427.jpg



View of landward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1258 (cont) |
| LM End | 19.32 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61899_71425.jpg



View of levee crown at crossings.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.32 | Rating ** | M | Issue No. | 1258 (cont) |
| LM End | 19.32 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.200919 ° | 37.200919 ° | |
| | | | -120.756928 ° | -120.756928 ° | |
| DWR ID | 24872 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61899_71424.jpg



View of waterward slope.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 19.53 | Rating ** | M | Issue No. | 1259 |
| LM End | 19.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.199427 ° | 37.199427 ° | |
| | | | -120.760235 ° | -120.760235 ° | |
| DWR ID | 19596 | | | | |

Comment Code

Inspector Comment

DS_ID:19596
 FS_ID:61901
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Dense vegetation blocks both waterward and landward headwalls. Sediment buildup in pipe visible from landward side. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.54), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.54), listed as a 24-inch CMP].
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61901_65641.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.53 | Rating ** | M | Issue No. | 1259 (cont) |
| LM End | 19.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.199427 ° | 37.199427 ° |
| | | | | -120.760235 ° | -120.760235 ° |
| DWR ID | 19596 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61901_65640.jpg



Flap gate visible on waterward side--potential erosion present on slope.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 19.53 | Rating ** | M | Issue No. | 1259 (cont) |
| LM End | 19.53 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61901_65639.jpg



View of landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

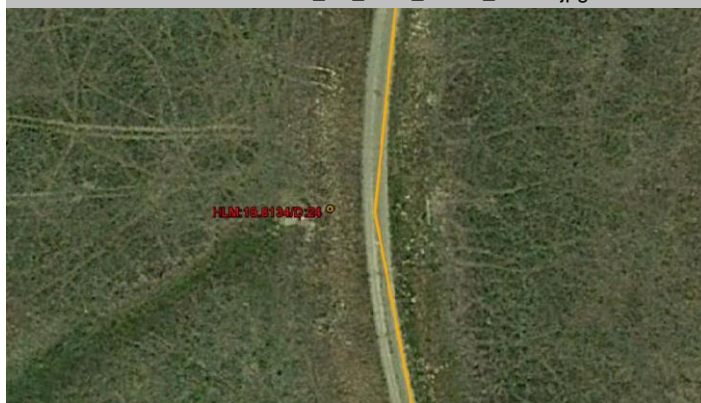
Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 19.81 | Rating ** | M | Issue No. | 1260 |
| LM End | 19.81 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.197502 ° | 37.197502 ° |
| | | | | -120.764045 ° | -120.764045 ° |
| DWR ID | 19597 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19597 FS_ID:61902 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 04/25/2014 No photos available for crossing-crossing missed. Recommend taking photos to confirm status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.81), listed as a 24-inch CMP]. FS Date: 4/25/2014 | | | | | |

Photo 1 of 1 : UCIP_FA_2020_61902_65645.jpg



Indicators that a crossing is still present through the levee. Flap gate should be in waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.18 | Rating ** | M | Issue No. | 1261 |
| LM End | 20.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.194669 ° | 37.194669 ° |
| | | | | -120.759736 ° | -120.759736 ° |
| DWR ID | 19598 | | | | |

Comment Code

Inspector Comment

DS_ID:19598
FS_ID:61903
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Recommend removing vegetation and sediment buildup from both waterward and landward concrete headwalls. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.19), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.18), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 20.18 | Rating ** | M | Issue No. | 1261 (cont) |
| LM End | 20.18 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61903_65648.jpg



Enter photo 1 description or comment here.

Photo 2 of 3 : UCIP_FA_2020_61903_65647.jpg



Flap gate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 20.26 | Rating ** | M | Issue No. | 1262 |
| LM End | 20.26 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.193550 ° | 37.193550 ° |
| | | | | -120.760284 ° | -120.760284 ° |
| DWR ID | 24873 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:24873 FS_ID:39285 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth. FS Date: 4/25/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_39285_71446.jpg



Outlet visible on waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 20.26 | Rating ** | M | Issue No. | 1262 (cont) |
| LM End | 20.26 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_39285_71445.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1263 (cont) |
| LM End | 20.27 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.193542 ° | 37.193542 ° | |
| | | | -120.760300 ° | -120.760300 ° | |
| DWR ID | 19599 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61904_66304.jpg



View of WS.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1263 (cont) |
| LM End | 20.27 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61904_66302.jpg



View of WS.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1264 |
| LM End | 20.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.193542 ° | 37.193542 ° |
| | | | | -120.760300 ° | -120.760300 ° |
| DWR ID | 19600 | | | | |

Comment Code

Inspector Comment

DS_ID:19600
FS_ID:61905
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Crossing partially submersed--no signs of failure of pipe present along pipe alignment. Recommend contacting owner to determine status of crossing and condition. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.28), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.27), listed as a 36-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1264 (cont) |
| LM End | 20.27 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61905_66308.jpg



Overview of levee crown at crossing--multiple crossings at this location.

Photo 2 of 3 : UCIP_FA_2020_61905_66309.jpg



Multiple crossings visible on waterward side--36 inch CMP is submersed in water.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1264 (cont) |
| LM End | 20.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.193542 ° | 37.193542 ° | |
| | | | -120.760300 ° | -120.760300 ° | |
| DWR ID | 19600 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61905_66307.jpg



View of landward side.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1265 |
| LM End | 20.27 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.193542 ° | 37.193542 ° | |
| | | | -120.760300 ° | -120.760300 ° | |
| DWR ID | 24874 | | | | |

Comment Code

Inspector Comment

DS_ID:24874
 FS_ID:61906
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 18-inch steel drainage discharge pipe sleeved through a 24-inch steel pipe through levee, at an unknown depth.
 FS Date: 4/25/2014

Photo 1 of 3 : UCIP_FA_2020_61906_71442.jpg



Outlets visible on waterward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1265 (cont) |
| LM End | 20.27 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.193542 ° | 37.193542 ° | |
| | | | -120.760300 ° | -120.760300 ° | |
| DWR ID | 24874 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61906_71441.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 20.27 | Rating ** | M | Issue No. | 1265 (cont) |
| LM End | 20.27 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61906_71440.jpg



View of landward side.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.63 | Rating ** | U | Issue No. | 109 |
| LM End | 21.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.188877 ° | 37.179683 ° |
| | | | | -120.763413 ° | -120.761878 ° |
| DWR ID | DWR_NA0010_01_f_2020_109 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_109_20201020_00276.jpg



Vegetation on the landside slope and toe. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.35 | Rating ** | M | Issue No. | 119 |
| LM End | 22.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.179683 ° | 37.166957 ° |
| | | | | -120.761880 ° | -120.750080 ° |
| DWR ID | DWR_NA0010_01_f_2020_119 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| start at end of U vegetation | | | | | |

No Photos

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 21.40 | Rating ** | M | Issue No. | 1266 | |
| LM End | 21.40 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.179065 ° | 37.179065 ° | |
| | | | | -120.761567 ° | -120.761567 ° | |
| DWR ID | 19603 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19603 FS_ID:61910 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/25/2014 Crossing is non-functional--crossing buried on landward side. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.41), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.40), listed as a 36-inch CMP]. FS Date: 4/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61910_66312.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 21.40 | Rating ** | M | Issue No. | 1266 (cont) |
| LM End | 21.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.179065 ° | 37.179065 ° | |
| | | | -120.761567 ° | -120.761567 ° | |
| DWR ID | 19603 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61910_66313.jpg



Flap gate half way submersed located on waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 21.40 | Rating ** | M | Issue No. | 1266 (cont) |
| LM End | 21.40 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61910_66311.jpg



View of landward side.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.55 | Rating ** | M | Issue No. | 111 |
| LM End | 22.51 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.178260 ° | 37.166957 ° |
| | | | | -120.759175 ° | -120.750080 ° |
| DWR ID | DWR_NA0010_01_f_2020_111 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 21.75 | Rating ** | M | Issue No. | 1267 | |
| LM End | 21.75 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.176106 ° | 37.176106 ° | |
| | | | | -120.756768 ° | -120.756768 ° | |
| DWR ID | 19604 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19604 FS_ID:61911 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/25/2014 Non-functional crossing-landward side is buried. Need to contact owner to determine status of crossing. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 40 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.76), listed as a 24-inch CMP]. FS Date: 4/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_61911_65697.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 21.75 | Rating ** | M | Issue No. | 1267 (cont) |
| LM End | 21.75 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_61911_65695.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 21.75 | Rating ** | M | Issue No. | 1267 (cont) |
| LM End | 21.75 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.176106 ° | 37.176106 ° | |
| | | | -120.756768 ° | -120.756768 ° | |
| DWR ID | 19604 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61911_65696.jpg



View of landward side.

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.99 | Rating ** | M | Issue No. | 130 |
| LM End | 22.01 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.173001 ° | 37.172668 ° |
| | | | | -120.755115 ° | -120.754933 ° |
| DWR ID | DWR_NA0010_01_f _ 2018_130 | | | | |
| Comment Code | | | | | |
| AT : Agricultural tilling | | | | | |
| Inspector Comment | | | | | |
| Tilling along landside toe partially cut into the slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_130_20200901_00019.jpg



View of tilling from toe looking towards the levee. (Fall 2018)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.06 | Rating ** | U | Issue No. | 22 |
| LM End | 22.52 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.172074 ° | 37.166906 ° |
| | | | | -120.754628 ° | -120.749962 ° |
| DWR ID | DWR_NA0010_01_s_2020_22 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Ditch has encroached into landside toe and slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_118_22_20200901_00005.jpg



Looking upstream at irrigation at landside toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.12 | Rating ** | M | Issue No. | 1268 |
| LM End | 22.12 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.171181 ° | 37.171181 ° |
| | | | | -120.754526 ° | -120.754526 ° |
| DWR ID | 19605 | | | | |

Comment Code

Inspector Comment

DS_ID:19605
FS_ID:61912
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/25/2014 Non-functional crossing--landward side is buried. Need to contact owner to determine status. If crossing is no longer used need to coordinate with CVFPB for proper abandonment. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Wooden headboards on the landside (LS) end. Brass cap No. 31 bench mark (BM) on the headwall on the LS.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 22.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.13), listed as a 24-inch CMP].
FS Date: 4/25/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 22.12 | Rating ** | M | Issue No. | 1268 (cont) |
| LM End | 22.12 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61912_65709.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61912_65707.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 01 San Joaquin River | Right | 22.52 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.12 | Rating ** | M | Issue No. | 1268 (cont) |
| LM End | 22.12 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.171181 ° | 37.171181 ° |
| | | | | -120.754526 ° | -120.754526 ° |
| DWR ID | 19605 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61912_65708.jpg



View of landward side.

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02A San Joaquin River | | | Left | 7.87 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 4/20/2020 - 4/24/2020 | | 10/16/2020 - 10/16/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.23 | Rating ** | M | Issue No. | 29 |
| LM End | 0.23 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.293440 ° | 37.293440 ° |
| | | | | -120.878978 ° | -120.878978 ° |
| DWR ID | 19652 | | | | |

Comment Code

Inspector Comment

DS_ID:19652
FS_ID:61974
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 139 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.24), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.24), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.23 | Rating ** | M | Issue No. | 29 (cont) |
| LM End | 0.23 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61974_66102.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61974_66101.jpg



Fence along waterward side. No headwall was found on waterward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.23 | Rating ** | M | Issue No. | 29 (cont) |
| LM End | 0.23 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.293440 ° | 37.293440 ° | |
| | | | -120.878978 ° | -120.878978 ° | |
| DWR ID | 19652 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61974_66100.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 30 |
| LM End | 0.66 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.288087 ° | 37.288087 ° | |
| | | | -120.874919 ° | -120.874919 ° | |
| DWR ID | 19653 | | | | |

Comment Code

Inspector Comment

DS_ID:19653
 FS_ID:61976
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 138 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.69), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.67), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61976_66106.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 0.66 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.288087 ° | 37.288087 ° | |
| | | | -120.874919 ° | -120.874919 ° | |
| DWR ID | 19653 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61976_66105.jpg



View of landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 0.66 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61976_66104.jpg



Concrete headwall found on landward side.

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 0.68 | Rating ** | U | Issue No. | 1 |
| LM End | 0.75 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.287517 ° | 37.287517 ° |
| | | | | -120.874583 ° | -120.874583 ° |
| DWR ID | NA0010U02ARM129.22 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: NA0010U02ARM129.22 | | | | | |
| 08/20/2020: This site was discovered during the DWR Spring 2012 Levee Inspections. A 250-ft long levee section has completely eroded away and no longer provides adequate flood protection. Note: Unit 2A is in the process of being turned over to State Parks. | | | | | |

Photo 1 of 3 : SJR2019_DWR_NA0010_02A_s_2012_5_03.JPG



8/20/2020: View of the upstream end of the erosion looking upstream.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|------------------------|---------------|-----------------|
| LM Start | 0.68 | Rating ** | U | Issue No. | 1 (cont) |
| LM End | 0.75 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR Erosion Survey | | 37.287517 ° | 37.287517 ° | |
| | | | -120.874583 ° | -120.874583 ° | |
| DWR ID | NA0010U02ARM129.22 | | | | |

Photo 2 of 3 : SJR2019_DWR_NA0010_02A_s_2012_5_07.JPG



8/20/2020: View of the eroded levee section looking downstream.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.68 | Rating ** | U | Issue No. | 1 (cont) |
| LM End | 0.75 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SJR2019_DWR_NA0010_02A_s_2012_5_12.JPG



8/20/2020: View of the eroded levee section looking upstream.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.75 | Rating ** | U | Issue No. | 5 |
| LM End | 0.78 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.287517 ° | 37.286543 ° |
| | | | | -120.874583 ° | -120.873935 ° |
| DWR ID | DWR_NA0010_02A_s_2012_5 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| This section of the levee unit is in the process of being turned over to State Parks. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_119_5_20201019_00060.jpg

Looking downstream at erosion through the waterside slope and crown.
(Fall 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.01 | Rating ** | M | Issue No. | 31 |
| LM End | 1.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.284889 ° | 37.284889 ° | |
| | | | -120.871352 ° | -120.871352 ° | |
| DWR ID | 19654 | | | | |

Comment Code

Inspector Comment

DS_ID:19654
FS_ID:61977
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 137 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.03), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.02), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.01 | Rating ** | M | Issue No. | 31 (cont) |
| LM End | 1.01 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61977_66113.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61977_66112.jpg



Pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.01 | Rating ** | M | Issue No. | 31 (cont) |
| LM End | 1.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.284889 ° | 37.284889 ° | |
| | | | -120.871352 ° | -120.871352 ° | |
| DWR ID | 19654 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61977_66111.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 32 |
| LM End | 1.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.286118 ° | 37.286118 ° | |
| | | | -120.868167 ° | -120.868167 ° | |
| DWR ID | 19655 | | | | |

Comment Code

Inspector Comment

DS_ID:19655
 FS_ID:61979
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 136 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.22), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61979_66114.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.286118 ° | 37.286118 ° |
| | | | | -120.868167 ° | -120.868167 ° |
| DWR ID | 19655 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61979_66117.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61979_66116.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 33 |
| LM End | 1.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.286463 ° | 37.286463 ° |
| | | | | -120.865997 ° | -120.865997 ° |
| DWR ID | 19656 | | | | |

Comment Code

Inspector Comment

DS_ID:19656
FS_ID:62000
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.36), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.34), listed as a 36-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 1.33 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62000_66120.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_62000_66119.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.33 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 1.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.286463 ° | 37.286463 ° | |
| | | | -120.865997 ° | -120.865997 ° | |
| DWR ID | 19656 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62000_66118.jpg



Flap gate and concrete apron visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.61 | Rating ** | M | Issue No. | 34 |
| LM End | 1.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.288599 ° | 37.288599 ° | |
| | | | -120.862007 ° | -120.862007 ° | |
| DWR ID | 19657 | | | | |

Comment Code

Inspector Comment

DS_ID:19657
 FS_ID:61981
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.63), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.62), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61981_66124.jpg



Overview of landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.61 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 1.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.288599 ° | 37.288599 ° |
| | | | | -120.862007 ° | -120.862007 ° |
| DWR ID | 19657 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61981_66123.jpg



Dense vegetation along levee slope and toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.61 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 1.61 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61981_66122.jpg



Enter photo 3 description or comment here.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.85 | Rating ** | M | Issue No. | 35 |
| LM End | 1.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.290836 ° | 37.290836 ° |
| | | | | -120.858882 ° | -120.858882 ° |
| DWR ID | 19658 | | | | |

Comment Code

Inspector Comment

DS_ID:19658
FS_ID:61982
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.86), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.85 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 1.85 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61982_66129.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_61982_66128.jpg



Concrete headwall visible on landward side.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.85 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 1.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.290836 ° | 37.290836 ° | |
| | | | -120.858882 ° | -120.858882 ° | |
| DWR ID | 19658 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61982_66127.jpg



Inside view of pipe from landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.28 | Rating ** | M | Issue No. | 36 |
| LM End | 2.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.291686 ° | 37.291686 ° | |
| | | | -120.851475 ° | -120.851475 ° | |
| DWR ID | 19659 | | | | |

Comment Code

Inspector Comment

DS_ID:19659
 FS_ID:61984
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.32), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.30), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61984_66133.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.28 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 2.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.291686 ° | 37.291686 ° | |
| | | | -120.851475 ° | -120.851475 ° | |
| DWR ID | 19659 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61984_66132.jpg



Concrete headwall visible on landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.28 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 2.28 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61984_66131.jpg



View of pipe through levee visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.30 | Rating ** | M | Issue No. | 37 |
| LM End | 2.30 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.291532 ° | 37.291532 ° | |
| | | | -120.851203 ° | -120.851203 ° | |
| DWR ID | 19660 | | | | |

Comment Code

Inspector Comment

DS_ID:19660
FS_ID:61985
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 135 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.34), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.32), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.30 | Rating ** | M | Issue No. | 37 (cont) |
| LM End | 2.30 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61985_66137.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61985_66136.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.30 | Rating ** | M | Issue No. | 37 (cont) |
| LM End | 2.30 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.291532 ° | 37.291532 ° |
| | | | | -120.851203 ° | -120.851203 ° |
| DWR ID | 19660 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61985_66138.jpg



Overview of landward slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.32 | Rating ** | M | Issue No. | 2 |
| LM End | 2.32 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.291433 ° | 37.291433 ° |
| | | | | -120.850917 ° | -120.850917 ° |
| DWR ID | DWR_NA0010_02A_s_2012_2 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Unauthorized ramps are located on the landside and waterside slopes. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_119_2_20200901_00001.jpg



Looking northeast at unauthorized ramp on landward slope.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.58 | Rating ** | M | Issue No. | 38 |
| LM End | 2.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.289487 ° | 37.289487 ° |
| | | | | -120.846941 ° | -120.846941 ° |
| DWR ID | 19661 | | | | |

Comment Code

Inspector Comment

DS_ID:19661
FS_ID:61986
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.60), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.59), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.58 | Rating ** | M | Issue No. | 38 (cont) |
| LM End | 2.58 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61986_66142.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_61986_66141.jpg



Concrete headwall visible on landward side.

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

Lower San Joaquin Levee District

Page 17 of 31

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.95 | Rating ** | M | Issue No. | 39 (cont) |
| LM End | 2.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.284326 ° | 37.284326 ° |
| | | | | -120.845157 ° | -120.845157 ° |
| DWR ID | 19662 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61987_66144.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.95 | Rating ** | M | Issue No. | 39 (cont) |
| LM End | 2.95 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61987_66149.jpg



View of slope on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.28 | Rating ** | M | Issue No. | 40 |
| LM End | 3.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.279656 ° | 37.279656 ° |
| | | | | -120.844795 ° | -120.844795 ° |
| DWR ID | 19665 | | | | |

Comment Code

Inspector Comment

DS_ID:19665
FS_ID:61988
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.31), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 3.29), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.28 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 3.28 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61988_66151.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61988_66153.jpg



Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 3.28 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 3.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.279656 ° | 37.279656 ° | |
| | | | -120.844795 ° | -120.844795 ° | |
| DWR ID | 19665 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61988_66152.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.61 | Rating ** | M | Issue No. | 41 |
| LM End | 3.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.278203 ° | 37.278203 ° | |
| | | | -120.839884 ° | -120.839884 ° | |
| DWR ID | 19666 | | | | |

Comment Code

Inspector Comment

DS_ID:19666
 FS_ID:61989
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.63), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 3.62), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61989_66155.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 3.61 | Rating ** | M | Issue No. | 41 (cont) |
| LM End | 3.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.278203 ° | 37.278203 ° | |
| | | | -120.839884 ° | -120.839884 ° | |
| DWR ID | 19666 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61989_66154.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.61 | Rating ** | M | Issue No. | 41 (cont) |
| LM End | 3.61 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61989_66156.jpg



View of landward side.

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.69 | Rating ** | A/W | Issue No. | 23 |
| LM End | 3.69 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.278949 ° | 37.278949 ° |
| | | | | -120.838776 ° | -120.838776 ° |
| DWR ID | DWR_NA0010_02A_f_2020_23 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_119_23_20201019_00061.jpg



Rutting along the levee crown. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.94 | Rating ** | M | Issue No. | 42 |
| LM End | 3.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.279704 ° | 37.279704 ° |
| | | | | -120.834709 ° | -120.834709 ° |
| DWR ID | 19667 | | | | |

Comment Code

Inspector Comment

DS_ID:19667
FS_ID:61990
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Signs of erosion or sink hole present on landward toe--Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 130 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 3.95), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.94 | Rating ** | M | Issue No. | 42 (cont) |
| LM End | 3.94 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61990_66161.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_61990_66160.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 3.94 | Rating ** | M | Issue No. | 42 (cont) |
| LM End | 3.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.279704 ° | 37.279704 ° | |
| | | | -120.834709 ° | -120.834709 ° | |
| DWR ID | 19667 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61990_66159.jpg



Flap gate and concrete headwall visible through dense vegetation.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 5.41 | Rating ** | M | Issue No. | 43 |
| LM End | 5.41 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.260069 ° | 37.260069 ° | |
| | | | -120.831768 ° | -120.831768 ° | |
| DWR ID | 19668 | | | | |

Comment Code

Inspector Comment

DS_ID:19668
 FS_ID:61992
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 5.43), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_61992_66167.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.41 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 5.41 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.260069 ° | 37.260069 ° |
| | | | | -120.831768 ° | -120.831768 ° |
| DWR ID | 19668 | | | | |

Photo 2 of 3 : UCIP_FA_2020_61992_66166.jpg



Flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.41 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 5.41 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_61992_66165.jpg



View of waterward slope covered by vegetation.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.03 | Rating ** | M | Issue No. | 44 |
| LM End | 6.03 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.253527 ° | 37.253527 ° |
| | | | | -120.823991 ° | -120.823991 ° |
| DWR ID | 19669 | | | | |

Comment Code

Inspector Comment

DS_ID:19669
FS_ID:61993
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 6.06), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 6.03 | Rating ** | M | Issue No. | 44 (cont) |
| LM End | 6.03 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2020_61993_66171.jpg



View of landward side.

Photo 2 of 2 : UCIP_FA_2020_61993_66170.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.47 | Rating ** | M | Issue No. | 45 |
| LM End | 6.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.248210 ° | 37.248210 ° |
| | | | | -120.823120 ° | -120.823120 ° |
| DWR ID | 19670 | | | | |

Comment Code

Inspector Comment

DS_ID:19670
FS_ID:61994
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.50), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 6.50), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 6.47 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 6.47 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61994_66173.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61994_66172.jpg



Crossing and flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 6.47 | Rating ** | M | Issue No. | 45 (cont) | |
| LM End | 6.47 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.248210 ° | 37.248210 ° | |
| | | | | -120.823120 ° | -120.823120 ° | |
| DWR ID | 19670 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61994_66174.jpg



Overview of levee crown and landward slope.

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 6.97 | Rating ** | A/W | Issue No. | 28 |
| LM End | 6.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.241125 ° | 37.241125 ° |
| | | | | -120.821747 ° | -120.821747 ° |
| DWR ID | DWR_NA0010_02A_f_2017_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 : FA_2020_NA0010_119_28_20200901_00003.jpg



Looking northwest at landside slope.

* 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 7.02 | Rating ** | M | Issue No. | 46 | |
| LM End | 7.02 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.240333 ° | 37.240333 ° | |
| | | | | -120.821490 ° | -120.821490 ° | |
| DWR ID | 19671 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19671 FS_ID:61995 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Pipe extension visible on landward side-- need to contact owner for additional information about extension/modification. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.6 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 7.05), listed as a 24-inch CMP]. FS Date: 5/1/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.02 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 7.02 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61995_66178.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_61995_66177.jpg



Pipe extension visible on landward side attached to inlet at concrete headwall.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.02 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 7.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.240333 ° | 37.240333 ° |
| | | | | -120.821490 ° | -120.821490 ° |
| DWR ID | 19671 | | | | |

Photo 3 of 3 : UCIP_FA_2020_61995_66176.jpg



View of waterward side.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.16 | Rating ** | M | Issue No. | 24 |
| LM End | 7.68 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.238675 ° | 37.233035 ° |
| | | | | -120.820206 ° | -120.814291 ° |
| DWR ID | DWR_NA0010_02A_f_2020_24 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_119_24_20201019_00062.jpg



View of vegetation along the landside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.74 | Rating ** | M | Issue No. | 47 |
| LM End | 7.74 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.232650 ° | 37.232650 ° |
| | | | | -120.813363 ° | -120.813363 ° |
| DWR ID | 19673 | | | | |

Comment Code

Inspector Comment

DS_ID:19673
FS_ID:61997
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 125 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 7.77), listed as a 24-inch CMP].
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.74 | Rating ** | M | Issue No. | 47 (cont) |
| LM End | 7.74 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_61997_66183.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_61997_66182.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02A San Joaquin River | Left | 7.87 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 7.74 | Rating ** | M | Issue No. | 47 (cont) | |
| LM End | 7.74 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.232650 ° | | 37.232650 ° |
| | | | | -120.813363 ° | | -120.813363 ° |
| DWR ID | 19673 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_61997_66181.jpg



View of waterward side--photo taken from levee toe looking towards alignment of crossing.

| | | | |
|--|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02B San Joaquin River | | | Left | 5.92 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/24/2020 - 4/24/2020 | | 10/16/2020 - 10/16/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 26 |
| LM End | 8.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.228343 ° | 37.228343 ° |
| | | | | -120.808789 ° | -120.808789 ° |
| DWR ID | 19674 | | | | |

Comment Code

Inspector Comment

DS_ID:19674
 FS_ID:62001
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope and landward headwall. Recommend removing vegetation along pipe alignment and toe to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 8.16), listed as a 24-inch CMP].
 FS Date: 5/14/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 26 (cont) |
| LM End | 8.13 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62001_66184.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_62001_66185.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 26 (cont) |
| LM End | 8.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.228343 ° | 37.228343 ° | |
| | | | -120.808789 ° | -120.808789 ° | |
| DWR ID | 19674 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62001_66186.jpg



View of waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 27 |
| LM End | 8.46 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.225241 ° | 37.225241 ° | |
| | | | -120.804286 ° | -120.804286 ° | |
| DWR ID | 19675 | | | | |

Comment Code

Inspector Comment

DS_ID:19675
 FS_ID:62003
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation on landward toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along waterward slope. Recommend removing vegetation along pipe alignment toe to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.49), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 8.48), listed as a 24-inch CMP].
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP_FA_2020_62003_66195.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 8.46 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.225241 ° | 37.225241 ° | |
| | | | -120.804286 ° | -120.804286 ° | |
| DWR ID | 19675 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62003_66193.jpg



Overview of levee crown at crossing.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 8.46 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62003_66194.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.83 | Rating ** | M | Issue No. | 28 |
| LM End | 8.83 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.222271 ° | 37.222271 ° |
| | | | | -120.798705 ° | -120.798705 ° |
| DWR ID | 19676 | | | | |

Comment Code

Inspector Comment

DS_ID:19676
FS_ID:62004
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Burrow activity present on waterward slope. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (recorded as HLM 9.86 should be HLM 8.86), listed as a 24-inch CMP].
FS Date: 5/14/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.83 | Rating ** | M | Issue No. | 28 (cont) |
| LM End | 8.83 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62004_66200.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_62004_66199.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 8.83 | Rating ** | M | Issue No. | 28 (cont) |
| LM End | 8.83 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.222271 ° | 37.222271 ° | |
| | | | -120.798705 ° | -120.798705 ° | |
| DWR ID | 19676 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62004_66201.jpg



View of waterward toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 9.00 | Rating ** | M | Issue No. | 29 |
| LM End | 9.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220888 ° | 37.220888 ° | |
| | | | -120.796394 ° | -120.796394 ° | |
| DWR ID | 19677 | | | | |

Comment Code

Inspector Comment

DS_ID:19677
 FS_ID:62005
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 8.8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.03), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 9.02), listed as a 36-inch CMP].
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP_FA_2020_62005_66208.jpg



View of waterward side--pipe and flap gate visible.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.00 | Rating ** | M | Issue No. | 29 (cont) |
| LM End | 9.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220888 ° | 37.220888 ° | |
| | | | -120.796394 ° | -120.796394 ° | |
| DWR ID | 19677 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62005_66207.jpg



View of flap gate visible from waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.00 | Rating ** | M | Issue No. | 29 (cont) |
| LM End | 9.00 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62005_66206.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.17 | Rating ** | M | Issue No. | 30 |
| LM End | 9.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.220520 ° | 37.220520 ° |
| | | | | -120.793277 ° | -120.793277 ° |
| DWR ID | 19678 | | | | |

Comment Code

Inspector Comment

DS_ID:19678
FS_ID:62006
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 120 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.21), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 9.20), listed as a 24-inch CMP].
FS Date: 5/14/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.17 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 9.17 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62006_66211.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_62006_66210.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.17 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 9.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220520 ° | 37.220520 ° | |
| | | | -120.793277 ° | -120.793277 ° | |
| DWR ID | 19678 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62006_66209.jpg



Pipe visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 9.43 | Rating ** | M | Issue No. | 31 |
| LM End | 9.43 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220227 ° | 37.220227 ° | |
| | | | -120.788634 ° | -120.788634 ° | |
| DWR ID | 19686 | | | | |

Comment Code

Inspector Comment

DS_ID:19686
 FS_ID:62008
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.47), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 9.46), listed as a 24-inch CMP].
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP_FA_2020_62008_66217.jpg



View of landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.43 | Rating ** | M | Issue No. | 31 (cont) |
| LM End | 9.43 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220227 ° | 37.220227 ° | |
| | | | -120.788634 ° | -120.788634 ° | |
| DWR ID | 19686 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62008_66216.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.43 | Rating ** | M | Issue No. | 31 (cont) |
| LM End | 9.43 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62008_66215.jpg



Concrete headwall visible on landward side.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.43 | Rating ** | M | Issue No. | 16 |
| LM End | 9.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.220229 ° | 37.220229 ° |
| | | | | -120.788589 ° | -120.788589 ° |
| DWR ID | DWR_NA0010_02B_f_2020_16 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Broken tree branches hanging on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_16_20201022_00040.jpg



Broken tree limbs on the landside slope and toe. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.60 | Rating ** | M | Issue No. | 15 |
| LM End | 9.60 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.220783 ° | 37.220783 ° |
| | | | | -120.785729 ° | -120.785729 ° |
| DWR ID | DWR_NA0010_02B_f_2020_15 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Broken tree limbs on the waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_15_20201022_00041.jpg



Tree limb on the waterside slope. (Fall 2020)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.90 | Rating ** | M | Issue No. | 20 |
| LM End | 9.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.216923 ° | 37.216923 ° |
| | | | | -120.784007 ° | -120.784007 ° |
| DWR ID | DWR_NA0010_02B_f_2019_20 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Dead tree limb hanging on landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_20_20200901_00003.jpg



View of broken tree limb hanging over landside slope and toe. (Fall 2019)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|----|
| LM Start | 10.09 | Rating ** | M | Issue No. | 32 |
| LM End | 10.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.214229 ° | 37.214229 ° | |
| | | | -120.784350 ° | -120.784350 ° | |
| DWR ID | 19687 | | | | |

Comment Code

Inspector Comment

DS_ID:19687
FS_ID:62009
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 10.12), listed as a 24-inch CMP].
FS Date: 5/14/2014

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 10.09 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 10.09 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62009_66224.jpg



Overview of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62009_66226.jpg



View of waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 10.09 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 10.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.214229 ° | 37.214229 ° | |
| | | | -120.784350 ° | -120.784350 ° | |
| DWR ID | 19687 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62009_66222.jpg



View of waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 10.78 | Rating ** | M | Issue No. | 33 |
| LM End | 10.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.206352 ° | 37.206352 ° | |
| | | | -120.777634 ° | -120.777634 ° | |
| DWR ID | 19688 | | | | |

Comment Code

Inspector Comment

DS_ID:19688
 FS_ID:62010
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 10.81), listed as a 24-inch CMP].
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP_FA_2020_62010_66231.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 10.78 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 10.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.206352 ° | 37.206352 ° | |
| | | | -120.777634 ° | -120.777634 ° | |
| DWR ID | 19688 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62010_66232.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 10.78 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 10.78 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62010_66234.jpg



View of pipe visible on waterward side.

| | | | | | |
|------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.94 | Rating ** | M | Issue No. | 14 |
| LM End | 10.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.205711 ° | 37.205711 ° |
| | | | | -120.774741 ° | -120.774741 ° |
| DWR ID | DWR_NA0010_02B_f_2015_14 | | | | |
| Comment Code | | | | | |
| PR : Prunings | | | | | |
| Inspector Comment | | | | | |
| Remove prunings from landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_14_20200901_00002.jpg



Prunings at landside toe. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 11.14 | Rating ** | M | Issue No. | 34 | |
| LM End | 11.14 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.204640 ° | 37.204640 ° | |
| | | | | -120.771564 ° | -120.771564 ° | |
| DWR ID | 19689 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19689 FS_ID:62012 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Brass cap No. 115 bench mark (BM) on the headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 11.17), listed as a 24-inch CMP]. FS Date: 5/14/2014 | | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 11.14 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 11.14 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62012_66236.jpg



View of landward slope.

Photo 2 of 3 : UCIP_FA_2020_62012_66235.jpg



Slide gate visible on landward side blocked by vegetation.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 11.14 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 11.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.204640 ° | 37.204640 ° | |
| | | | -120.771564 ° | -120.771564 ° | |
| DWR ID | 19689 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62012_66238.jpg



View of waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 11.40 | Rating ** | M | Issue No. | 35 |
| LM End | 11.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.201792 ° | 37.201792 ° | |
| | | | -120.768462 ° | -120.768462 ° | |
| DWR ID | 19690 | | | | |

Comment Code

Inspector Comment

DS_ID:19690
 FS_ID:62016
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Screw gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 11.43), listed as a 24-inch CMP].
 FS Date: 5/14/2014

Photo 1 of 3 : UCIP_FA_2020_62016_66241.jpg



View of landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 11.40 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 11.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.201792 ° | 37.201792 ° | |
| | | | -120.768462 ° | -120.768462 ° | |
| DWR ID | 19690 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62016_66240.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 12.21 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 12.21 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62016_66239.jpg



Flap gate visible on waterward toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.21 | Rating ** | M | Issue No. | 1 |
| LM End | 12.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.191528 ° | 37.191528 ° |
| | | | | -120.764541 ° | -120.764541 ° |
| DWR ID | DWR_NA0010_02B_f_2014_1 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Fallen tree limbs are located on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_1_20201022_00043.jpg



Fallen tree on the landside slope. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.18 | Rating ** | M | Issue No. | 36 |
| LM End | 13.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.179265 ° | 37.179265 ° |
| | | | | -120.764870 ° | -120.764870 ° |
| DWR ID | 19663 | | | | |

Comment Code

Inspector Comment

DS_ID:19663
FS_ID:62018
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe--recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (recorded as HLM 13.32 should be HLM 13.22), listed as a 24-inch CMP].
FS Date: 5/14/2014

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 13.18 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 13.18 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62018_66245.jpg



View of landward side.

Photo 2 of 3 : UCIP_FA_2020_62018_66244.jpg



Overview of landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 13.18 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 13.18 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.179265 ° | 37.179265 ° | |
| | | | -120.764870 ° | -120.764870 ° | |
| DWR ID | 19663 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62018_66243.jpg



View of waterward side.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 13.67 | Rating ** | M | Issue No. | 37 |
| LM End | 13.67 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.173327 ° | 37.173327 ° | |
| | | | -120.761055 ° | -120.761055 ° | |
| DWR ID | 19664 | | | | |

No Photos

Comment Code

Inspector Comment

DS_ID:19664
 FS_ID:62019
 EP_NO: 14138
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Not Found
 UCIP Comments: 05/14/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Concrete cutoff wall at the centerline of the pipe. Flap gate on the landside (LS) end. Screw gate on the waterside (WS) end with accessible walkway. (Plans to install a 24-inch reinforced concrete pipe through the levee authorized under Permit No. 14138, 1985 - United States Fish and Wildlife Service). [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.71), listed as a 24-inch corrugated metal pipe].
 FS Date: 5/14/2014

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.72 | Rating ** | M | Issue No. | 25 |
| LM End | 13.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.172648 ° | 37.172648 ° |
| | | | | -120.761157 ° | -120.761157 ° |
| DWR ID | DWR_NA0010_02B_f_2018_25 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| Erosion is occurring into the landside bank. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_25_20201022_00044.jpg



View of erosion pocket in the landside slope. (Fall 2020)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.73 | Rating ** | M | Issue No. | 22 |
| LM End | 13.73 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.172387 ° | 37.172387 ° |
| | | | | -120.761190 ° | -120.761190 ° |
| DWR ID | DWR_NA0010_02B_f_2018_22 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent burrows observed at this location. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_120_22_20200901_00005.jpg



View of waterside slope looking upstream. (Fall 2018)

*** 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 San Joaquin River | | | Right | 2.10 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/27/2020 - 4/27/2020 | | 10/22/2020 - 10/22/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.19 | Rating ** | M | Issue No. | 67 |
| LM End | 0.19 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.109013 ° | 37.109013 ° |
| | | | | -120.587799 ° | -120.587799 ° |
| DWR ID | DWR_NA0010_03_s_2015_67 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes are noted on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_67_20200901_00004.jpg



Looking southwest at the landside shoulder.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.37 | Rating ** | M | Issue No. | 9 |
| LM End | 0.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.106799 ° | 37.106799 ° |
| | | | | -120.586388 ° | -120.586388 ° |
| DWR ID | DWR_NA0010_03_f_2019_9 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.41 | Rating ** | M | Issue No. | 16 |
| LM End | 0.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.106310 ° | 37.106310 ° |
| | | | | -120.585859 ° | -120.585859 ° |
| DWR ID | DWR_NA0010_03_f_2018_16 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are located on land and water side of gate. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.42 | Rating ** | M | Issue No. | 68 |
| LM End | 0.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.106233 ° | 37.106233 ° |
| | | | | -120.585797 ° | -120.585797 ° |
| DWR ID | 19691 | | | | |

Comment Code

Inspector Comment

DS_ID:19691
FS_ID:62020
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Need to contact owner. Recommend removing tall grass on landward slope and clearing sediment build up inside pipe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.43), listed as a 24-inch CMP].
FS Date: 4/17/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.42 | Rating ** | M | Issue No. | 68 (cont) |
| LM End | 0.42 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62020_61941.jpg



Concrete structure and flap gate visible on waterward side.

Photo 2 of 3 : UCIP_FA_2020_62020_61940.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.42 | Rating ** | M | Issue No. | 68 (cont) | |
| LM End | 0.42 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.106233 ° | 37.106233 ° | |
| | | | | -120.585797 ° | -120.585797 ° | |
| DWR ID | 19691 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62020_61944.jpg



View of landward side.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.43 | Rating ** | M | Issue No. | 6 |
| LM End | 0.43 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.106121 ° | 37.106121 ° |
| | | | | -120.585680 ° | -120.585680 ° |
| DWR ID | DWR_NA0010_03_f_2017_6 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_6_20200901_00002.jpg



Looking east at the landside slope.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.43 | Rating ** | M | Issue No. | 7 |
| LM End | 1.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.106068 ° | 37.100262 ° |
| | | | | -120.585636 ° | -120.578699 ° |
| DWR ID | DWR_NA0010_03_f_2020_7 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_7_20201022_00017.jpg



View of the landside slope looking upstream. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|----|---------------|
| LM Start | 0.76 | Rating ** | A/W | Issue No. | 69 | |
| LM End | 0.76 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.102964 ° | | 37.102964 ° |
| | | | | -120.581421 ° | | -120.581421 ° |
| DWR ID | 19692 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19692 | | | | | | |
| FS_ID:62022 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.77), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 4/17/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.76 | Rating ** | A/W | Issue No. | 69 (cont) |
| LM End | 0.76 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62022_66248.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2020_62022_66249.jpg



Concrete structure located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.76 | Rating ** | A/W | Issue No. | 69 (cont) |
| LM End | 0.76 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.102964 ° | 37.102964 ° | |
| | | | -120.581421 ° | -120.581421 ° | |
| DWR ID | 19692 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62022_66251.jpg



View of landward slope.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 8 |
| LM End | 0.86 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.101821 ° | 37.101821 ° |
| | | | | -120.580358 ° | -120.580358 ° |
| DWR ID | DWR_NA0010_03_f_2020_8 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_8_20201022_00018.jpg



Depression in the levee crown from rodent activity. (Fall 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.01 | Rating ** | U | Issue No. | 10 |
| LM End | 2.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.100224 ° | 37.089194 ° |
| | | | | -120.578658 ° | -120.567183 ° |
| DWR ID | DWR_NA0010_03_f_2020_10 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_10_20201022_00019.jpg



Looking upstream along the landside slope. (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 | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 11 |
| LM End | 1.82 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.098863 ° | 37.090832 ° |
| | | | | -120.577054 ° | -120.571140 ° |
| DWR ID | DWR_NA0010_03_f_2020_11 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.54 | Rating ** | A/W | Issue No. | 65 |
| LM End | 1.54 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.094270 ° | 37.094270 ° |
| | | | | -120.573112 ° | -120.573112 ° |
| DWR ID | DWR_NA0010_03_s_2015_65 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.70 | Rating ** | M | Issue No. | 12 |
| LM End | 1.70 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.092231 ° | 37.092231 ° |
| | | | | -120.572337 ° | -120.572337 ° |
| DWR ID | DWR_NA0010_03_f_2020_12 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.71 | Rating ** | M | Issue No. | 70 | |
| LM End | 1.71 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.092079 ° | 37.092079 ° | |
| | | | | -120.572316 ° | -120.572316 ° | |
| DWR ID | 19693 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19693 | | | | | | |
| FS_ID:62023 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 04/17/2014 Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.73), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 1.72), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 4/17/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.71 | Rating ** | M | Issue No. | 70 (cont) |
| LM End | 1.71 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62023_66252.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2020_62023_66254.jpg



Concrete structure located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.71 | Rating ** | M | Issue No. | 70 (cont) |
| LM End | 1.71 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.092079 ° | 37.092079 ° |
| | | | | -120.572316 ° | -120.572316 ° |
| DWR ID | 19693 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62023_66253.jpg



View of waterward side--channel.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.83 | Rating ** | U | Issue No. | 15 |
| LM End | 2.07 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.090782 ° | 37.089194 ° |
| | | | | -120.571087 ° | -120.567183 ° |
| DWR ID | DWR_NA0010_03_f_2020_15 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_121_15_20201022_00020.jpg



Looking upstream along the waterside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 03 San Joaquin River | Right | 2.10 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.04 | Rating ** | M | Issue No. | 71 |
| LM End | 2.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.089394 ° | 37.089394 ° |
| | | | | -120.567731 ° | -120.567731 ° |
| DWR ID | 19694 | | | | |

Comment Code

Inspector Comment

DS_ID:19694
FS_ID:62024
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Need to contact owner--additional appurtenances found on waterward side not part of original description. Unable to determine if walkway, pump, and pipe through waterward berm is if part of original crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation discharge pipe through the levee, 6.6 feet below the crown. Pump on the riverbank. Slide gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.05), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 2.05), listed as a 36-inch CMP].
FS Date: 4/17/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.04 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 2.04 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62024_66281.jpg



Slide gate and concrete structure located on waterward slope.

Photo 2 of 3 : UCIP_FA_2020_62024_66282.jpg



View of walkway and berm on waterward side.

*** 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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 San Joaquin River | | | Left | 1.41 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/27/2020 - 4/27/2020 | | 10/22/2020 - 10/22/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.03 | Rating ** | M | Issue No. | 9 | |
| LM End | 0.03 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.112353 ° | 37.112353 ° | |
| | | | | -120.589565 ° | -120.589565 ° | |
| DWR ID | 19977 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19977 FS_ID:62025 EP_NO: 5024 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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). (O. Magana - DWR UCIP) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 1 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. [Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts] FS Date: 4/17/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62025_61969.jpg



View of concrete structure located on landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 9 (cont) |
| LM End | 0.03 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62025_61968.jpg



View of levee crown.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 9 (cont) |
| LM End | 0.03 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.112353 ° | 37.112353 ° | |
| | | | -120.589565 ° | -120.589565 ° | |
| DWR ID | 19977 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62025_61967.jpg



Concrete headwall located on waterward side.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 10 |
| LM End | 0.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.112348 ° | 37.112348 ° | |
| | | | -120.589581 ° | -120.589581 ° | |
| DWR ID | 24856 | | | | |

Comment Code

Inspector Comment

DS_ID:24856
 FS_ID:62026
 EP_NO: 5024
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 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). (O. Magana - DWR UCIP)
 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 2 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure.
 [Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts]
 FS Date: 4/17/2014

Photo 1 of 3 : UCIP_FA_2020_62026_67308.jpg



View of concrete structure located on landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.112348 ° | 37.112348 ° | |
| | | | -120.589581 ° | -120.589581 ° | |
| DWR ID | 24856 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62026_67307.jpg



View of levee crown.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62026_67306.jpg



Concrete headwall located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.04 | Rating ** | M | Issue No. | 11 | |
| LM End | 0.04 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.112343 ° | 37.112343 ° | |
| | | | | -120.589601 ° | -120.589601 ° | |
| DWR ID | 24857 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:24857 FS_ID:62027 EP_NO: 5024 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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). (O. Magana - DWR UCIP) 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 3 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure. [Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts] FS Date: 4/17/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 11 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62027_67318.jpg



View of concrete structure located on landward side.

Photo 2 of 3 : UCIP_FA_2020_62027_67317.jpg



View of levee crown.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 11 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.112343 ° | 37.112343 ° | |
| | | | -120.589601 ° | -120.589601 ° | |
| DWR ID | 24857 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62027_67316.jpg



Concrete headwall located on waterward side.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 12 |
| LM End | 0.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.112336 ° | 37.112336 ° | |
| | | | -120.589624 ° | -120.589624 ° | |
| DWR ID | 24858 | | | | |

Comment Code

Inspector Comment

DS_ID:24858
 FS_ID:62028
 EP_NO: 5024
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 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). (O. Magana - DWR UCIP)
 04/17/2014 Slide gates blocked by sediment. Recommend contacting owner to determine status of crossing. Crossing appears to be abandoned. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: [San Joaquin River Diversion Structure] 4 of 4: 72-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 21 feet below the crown. Slide gate on the waterside (WS). Concrete headwall on each end. Landside (LS) slope cobble revetted. Flashboards on the downstream side of the structure.
 [Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts]
 FS Date: 4/17/2014

Photo 1 of 3 : UCIP_FA_2020_62028_67328.jpg



View of concrete structure located on landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 12 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.112336 ° | 37.112336 ° |
| | | | | -120.589624 ° | -120.589624 ° |
| DWR ID | 24858 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62028_67327.jpg



View of levee crown.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.04 | Rating ** | M | Issue No. | 12 (cont) |
| LM End | 0.04 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62028_67326.jpg



Concrete headwall located on waterward side.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.09 | Rating ** | M | Issue No. | 8 |
| LM End | 0.14 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.111730 ° | 37.111254 ° |
| | | | | -120.590286 ° | -120.590980 ° |
| DWR ID | DWR_NA0010_04_f_2020_8 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_122_8_20201022_00020.jpg



View of vegetation on the landside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 13 |
| LM End | 0.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.109933 ° | 37.109933 ° |
| | | | | -120.590689 ° | -120.590689 ° |
| DWR ID | 19695 | | | | |

Comment Code

Inspector Comment

DS_ID:19695
FS_ID:62029
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Sediment and debris blocking concrete headwall located on waterward side. During inspection water was flowing from landward side to waterward side. Recommend removing sediment to confirm condition of flap gate and pipe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002[Additional Resource(s): DWR Levee Log, 2002 (HLM 0.03), listed as four 6-foot by 5-foot concrete culverts] (HLM 0.24), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR 601.1), 1967, Revised 25 May 2011, (HLM 0.27), listed as a 36-inch CMP].
FS Date: 4/17/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 13 (cont) |
| LM End | 0.24 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62029_61982.jpg



View of dense vegetation near concrete headwall located on waterward side.

Photo 2 of 3 : UCIP_FA_2020_62029_61981.jpg



Sediment blocking flap gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 13 (cont) |
| LM End | 0.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.109933 ° | 37.109933 ° |
| | | | | -120.590689 ° | -120.590689 ° |
| DWR ID | 19695 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62029_61980.jpg



View of waterward side.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.32 | Rating ** | M | Issue No. | 3 |
| LM End | 1.41 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.108822 ° | 37.097556 ° |
| | | | | -120.590718 ° | -120.578130 ° |
| DWR ID | DWR_NA0010_04_s_2012_3 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| An irrigation ditch is within 10' easement. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_122_3_20201022_00021.jpg



Looking upstream at an irrigation ditch at the landside toe. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.34 | Rating ** | M | Issue No. | 14 |
| LM End | 1.34 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.095274 ° | 37.095274 ° |
| | | | | -120.577959 ° | -120.577959 ° |
| DWR ID | 19975 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19975 FS_ID:40530 EP_NO: 3416 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: Unable to confirm if crossing is still in use. Need to contact owner to confirm status. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe, encased in 6-inches of reinforced concrete through the levee. Concrete cutoff wall at center of levee. Pumping plant on the waterward bank. Pump and irrigation pipe retained under Permit No. 3416 (1964). FS Date: 4/17/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_40530_61987.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.34 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 1.34 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_40530_61988.jpg



Overview of waterward side and levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 04 San Joaquin River | Left | 1.41 | 10/22/2020 10/22/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.34 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 1.34 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.095274 ° | 37.095274 ° |
| | | | | -120.577959 ° | -120.577959 ° |
| DWR ID | 19975 | | | | |

Photo 3 of 3 : UCIP_FA_2020_40530_61986.jpg



Pump and walkway located on waterward side.

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 05 East Side Bypass | | | Right | 34.85 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/28/2020 - 4/29/2020 | | 10/14/2020 - 10/15/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 1310 |
| LM End | 0.08 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.278174 ° | 37.278174 ° |
| | | | | -120.823465 ° | -120.823465 ° |
| DWR ID | 19756 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19756 FS_ID:62422 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/09/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.6 feet below the crown. Concrete U-shaped headwall and flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.07), listed as a 24-inch corrugated metal pipe [CMP]. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.07), listed as a 24-inch CMP] FS Date: 4/9/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62422_60921.jpg



Pipe, flapgate, and concrete headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 1310 (cont) |
| LM End | 0.08 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62422_60920.jpg



Pipe, flapgate, and concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 1310 (cont) |
| LM End | 0.08 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.278174 ° | 37.278174 ° | |
| | | | -120.823465 ° | -120.823465 ° | |
| DWR ID | 19756 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62422_60922.jpg



Pipe and concrete headwall on LS toe.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 0.31 | Rating ** | U | Issue No. | 1311 |
| LM End | 0.31 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.276669 ° | 37.276669 ° | |
| | | | -120.819755 ° | -120.819755 ° | |
| DWR ID | 24867 | | | | |

Comment Code

Inspector Comment

DS_ID:24867
 FS_ID:62420
 EP_NO: N/A
 Repair Type: Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/01/2018 Same as previous inspection, 1960s levee breach; degraded levee section that drops about 4 feet within a 100-foot levee section. Crossing remains Urgent due to the levee degradation at this location. (O. Magana - DWR UCIP)07/20/2016 same as previous inspection. Levee section at crossing has been degraded. According to LMA representative, Rick, the low point at crossing has been present for over 10 years when the pipe was replaced. (O. Magana - DWR UCIP)04/09/2014 Pipe is open on both ends and levee has been degraded at this location. No permit identified for this crossing. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 96-inch corrugated metal gravity drainage pipe through the levee, 4.5 feet below the crown. Pipe is composed of two materials: corrugated metal pipe (CMP) on the waterside (WS) and steel pipe on the landside (LS). This section of the levee is a degraded section that drops approximately 4 feet within 100 feet of length. This section of the levee is the site of the 1960s levee breach. [Additional Reference(s): USACE Periodic Inspection Report 2014, USACE_CESPK_L05A_2014_p_0014].
 FS Date: 11/1/2018 12:48:00 PM

Photo 1 of 3 : UCIP_FA_2020_62420_71469.jpg



Pipe through levee where levee has been degraded.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.31 | Rating ** | U | Issue No. | 1311 (cont) |
| LM End | 0.31 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.276669 ° | 37.276669 ° | |
| | | | -120.819755 ° | -120.819755 ° | |
| DWR ID | 24867 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62420_71467.jpg



Pipe on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.31 | Rating ** | U | Issue No. | 1311 (cont) |
| LM End | 0.31 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62420_71468.jpg



Pipe on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.31 | Rating ** | M | Issue No. | 1312 | |
| LM End | 0.31 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.276578 ° | 37.276578 ° | |
| | | | | -120.819793 ° | -120.819793 ° | |
| DWR ID | 19557 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19557 FS_ID:62423 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 11/01/2018 24-inch corrugated metal pipe (CMP) section found during pipe inspection of dsid 24867 (see photos); according to LMA representative levee section is the location of levee breach from 1960s; 24-inch pipe was undersized and was replaced after levee breach with a 96-inch CMP and steel pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Large pipe found at this location. [Additional Reference(s): USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.30), listed as a 24-inch corrugated metal pipe (CMP)] FS Date: 4/9/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62423_78592.jpg



Overview of degraded levee section.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.31 | Rating ** | M | Issue No. | 1312 (cont) |
| LM End | 0.31 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62423_78593.jpg



LS view: CMP section found on LS.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.31 | Rating ** | M | Issue No. | 1312 (cont) |
| LM End | 0.31 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.276578 ° | 37.276578 ° | |
| | | | -120.819793 ° | -120.819793 ° | |
| DWR ID | 19557 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62423_78594.jpg



LS view: 24-inch pipe section found west of LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1313 |
| LM End | 0.60 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.273945 ° | 37.273945 ° | |
| | | | -120.815835 ° | -120.815835 ° | |
| DWR ID | 19757 | | | | |

Comment Code

Inspector Comment

DS_ID:19757
 FS_ID:62424
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/09/2014 Excess debris on landward headwall--recommend clearing. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.58), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.59), listed as a 30-inch CMP]
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_62424_60926.jpg



Concrete headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1313 (cont) |
| LM End | 0.60 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.273945 ° | 37.273945 ° | |
| | | | -120.815835 ° | -120.815835 ° | |
| DWR ID | 19757 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62424_60925.jpg



Concrete headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.60 | Rating ** | M | Issue No. | 1313 (cont) |
| LM End | 0.60 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62424_60927.jpg



Pipe and concrete headwall on LS toe. Note vegetation buildup.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 1314 |
| LM End | 0.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.273398 ° | 37.273398 ° |
| | | | | -120.815082 ° | -120.815082 ° |
| DWR ID | 19758 | | | | |

Comment Code

Inspector Comment

DS_ID:19758
FS_ID:62519
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/09/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. Cobble revetment around both ends. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.64), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.65), listed as a 36-inch CMP].
FS Date: 4/9/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 1314 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62519_60931.jpg



Concrete headwall visible off WS toe.

Photo 2 of 3 : UCIP_FA_2020_62519_60929.jpg



Pipe, flapgate, and headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 1314 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.273398 ° | 37.273398 ° | |
| | | | -120.815082 ° | -120.815082 ° | |
| DWR ID | 19758 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62519_60930.jpg



Concrete headwall at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1315 |
| LM End | 0.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.271894 ° | 37.271894 ° | |
| | | | -120.812224 ° | -120.812224 ° | |
| DWR ID | 19759 | | | | |

Comment Code

Inspector Comment

DS_ID:19759
 FS_ID:62425
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.84), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.84), listed as a 24-inch CMP]
 FS Date: 4/9/2014

Photo 1 of 3 : UCIP_FA_2020_62425_60934.jpg



Concrete headwall visible at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1315 (cont) |
| LM End | 0.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.271894 ° | 37.271894 ° | |
| | | | -120.812224 ° | -120.812224 ° | |
| DWR ID | 19759 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62425_60933.jpg



Pipe, flapgate, and headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 1315 (cont) |
| LM End | 0.85 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62425_60936.jpg



Pipe and concrete headwall at LS toe.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.17 | Rating ** | M | Issue No. | 111 |
| LM End | 1.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.268866 ° | 37.267985 ° |
| | | | | -120.808460 ° | -120.807542 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_111 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Downed tree limbs left along the levee toe. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.45 | Rating ** | A/W | Issue No. | 1316 |
| LM End | 1.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.265804 ° | 37.265804 ° |
| | | | | -120.804955 ° | -120.804955 ° |
| DWR ID | 19760 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19760 FS_ID:62426 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 21 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.44), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.44), listed as a 36-inch CMP] FS Date: 4/9/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62426_60939.jpg



Flapgate on concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 1.45 | Rating ** | A/W | Issue No. | 1316 (cont) |
| LM End | 1.45 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62426_60938.jpg



Flapgate on concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.45 | Rating ** | A/W | Issue No. | 1316 (cont) |
| LM End | 1.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.265804 ° | 37.265804 ° |
| | | | | -120.804955 ° | -120.804955 ° |
| DWR ID | 19760 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62426_60937.jpg



Pipe and concrete headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.66 | Rating ** | M | Issue No. | 80 |
| LM End | 1.75 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263448 ° | 37.262225 ° |
| | | | | -120.802715 ° | -120.802296 ° |
| DWR ID | DWR_NA0010_05_f_2015_80 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are located on levee crown and landside slope within this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_80_20200901_00006.jpg



Looking at typical view of rodent holes within this section on landward slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.82 | Rating ** | M | Issue No. | 102 |
| LM End | 2.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.256805 ° | 37.256805 ° |
| | | | | -120.785434 ° | -120.785434 ° |
| DWR ID | DWR_NA0010_05_s_2019_102 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.84 | Rating ** | M | Issue No. | 1317 |
| LM End | 2.84 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.256810 ° | 37.256810 ° |
| | | | | -120.785113 ° | -120.785113 ° |
| DWR ID | 19809 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19809 FS_ID:62427 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/09/2014 Log partially blocking inlet at LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.83), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.85), listed as a 24-inch CMP] FS Date: 4/9/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.84 | Rating ** | M | Issue No. | 1317 (cont) |
| LM End | 2.84 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62427_60943.jpg



Concrete headwall at outlet on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62427_60941.jpg



Headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.84 | Rating ** | M | Issue No. | 1317 (cont) |
| LM End | 2.84 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.256810 ° | 37.256810 ° |
| | | | | -120.785113 ° | -120.785113 ° |
| DWR ID | 19809 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62427_60942.jpg



Concrete headwall and metal gate hoist on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.21 | Rating ** | M | Issue No. | 100 |
| LM End | 3.63 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.256472 ° | 37.252995 ° |
| | | | | -120.778676 ° | -120.768386 ° |
| DWR ID | DWR_NA0010_05_f_2020_100 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_100_20201028_00305.jpg



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

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.23 | Rating ** | M | Issue No. | 127 |
| LM End | 3.23 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.256278 ° | 37.256278 ° |
| | | | | -120.778404 ° | -120.778404 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_127 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.34 | Rating ** | M | Issue No. | 1318 |
| LM End | 3.34 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.255258 ° | 37.255258 ° |
| | | | | -120.776996 ° | -120.776996 ° |
| DWR ID | 19810 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19810 | | | | | |
| FS_ID:62421 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 04/15/2014 Pipe corroded through at flapgate on WS toe. (W. Wylie - DWR UCIP) | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.36), listed as a 24-inch corrugated metal pipe [CMP]. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.33), listed as a 24-inch CMP] | | | | | |
| FS Date: 4/15/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62421_60948.jpg



Concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.34 | Rating ** | M | Issue No. | 1318 (cont) |
| LM End | 3.34 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62421_60946.jpg



Flapgate and Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.34 | Rating ** | M | Issue No. | 1318 (cont) |
| LM End | 3.34 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.255258 ° | 37.255258 ° | |
| | | | -120.776996 ° | -120.776996 ° | |
| DWR ID | 19810 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62421_60951.jpg



Pipe corroded through just behind flapgate at WS toe.

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.54 | Rating ** | M | Issue No. | 122 |
| LM End | 3.54 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.255182 ° | 37.255182 ° |
| | | | | -120.773708 ° | -120.773708 ° |
| DWR ID | DWR_NA0010_05_f _ 2019_122 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Tree limbs fallen on the landside toe should be removed. | | | | | |

No Photos

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.55 | Rating ** | M | Issue No. | 134 |
| LM End | 3.55 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.255202 ° | 37.255202 ° |
| | | | | -120.773655 ° | -120.773655 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_134 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are located within this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_134_20200901_00016.jpg



Looking at typical rodent holes within this section. (Spring 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.68 | Rating ** | M | Issue No. | 1319 |
| LM End | 3.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252308 ° | 37.252308 ° |
| | | | | -120.768038 ° | -120.768038 ° |
| DWR ID | 19811 | | | | |

Comment Code

Inspector Comment

DS_ID:19811
 FS_ID:62430
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.67), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 3.67), listed as a 24-inch CMP]
 FS Date: 4/16/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.68 | Rating ** | M | Issue No. | 1319 (cont) |
| LM End | 3.68 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62430_61137.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62430_61138.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 3.68 | Rating ** | M | Issue No. | 1319 (cont) | |
| LM End | 3.68 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252308 ° | 37.252308 ° | |
| | | | | -120.768038 ° | -120.768038 ° | |
| DWR ID | 19811 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62430_61136.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.02 | Rating ** | M | Issue No. | 1320 |
| LM End | 4.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.248432 ° | 37.248432 ° |
| | | | | -120.764066 ° | -120.764066 ° |
| DWR ID | 19769 | | | | |

Comment Code

Inspector Comment

DS_ID:19769
 FS_ID:62431
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.02), listed as a 24-inch CMP]
 FS Date: 4/16/2014

Photo 1 of 3 : UCIP_FA_2020_62431_61142.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 4.02 | Rating ** | M | Issue No. | 1320 (cont) |
| LM End | 4.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.248432 ° | 37.248432 ° | |
| | | | -120.764066 ° | -120.764066 ° | |
| DWR ID | 19769 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62431_61143.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.02 | Rating ** | M | Issue No. | 1320 (cont) |
| LM End | 4.02 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62431_61141.jpg



Pipe and headwall on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.27 | Rating ** | M | Issue No. | 1321 |
| LM End | 4.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.246008 ° | 37.246008 ° |
| | | | | -120.760706 ° | -120.760706 ° |
| DWR ID | 19770 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19770 FS_ID:62432 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.27), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.27), listed as a 24-inch CMP] FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62432_61146.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.27 | Rating ** | M | Issue No. | 1321 (cont) |
| LM End | 4.27 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62432_61145.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 4.27 | Rating ** | M | Issue No. | 1321 (cont) | |
| LM End | 4.27 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.246008 ° | 37.246008 ° | |
| | | | | -120.760706 ° | -120.760706 ° | |
| DWR ID | 19770 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62432_61147.jpg



Concrete headwall and pipe on LS toe.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.33 | Rating ** | U | Issue No. | 131 |
| LM End | 4.33 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.245406 ° | 37.245406 ° |
| | | | | -120.759971 ° | -120.759971 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_131 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes are located on both sides of levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_131_20200901_00015.jpg



View of a large rodent hole in landward slope. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.33 | Rating ** | M | Issue No. | 117 |
| LM End | 4.33 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.245421 ° | 37.245421 ° |
| | | | | -120.759943 ° | -120.759943 ° |
| DWR ID | DWR_NA0010_05_f_2017_117 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_117_20201028_00306.jpg



Several rodent burrows observed at this location. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.46 | Rating ** | M | Issue No. | 132 |
| LM End | 4.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.244183 ° | 37.244183 ° |
| | | | | -120.758121 ° | -120.758121 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_132 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 4.55 | Rating ** | M | Issue No. | 1322 | |
| LM End | 4.55 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.243668 ° | 37.243668 ° | |
| | | | | -120.756812 ° | -120.756812 ° | |
| DWR ID | 19771 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19771 FS_ID:62433 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.54), listed as a 24-inch CMP] FS Date: 4/16/2014 8:16:00 AM | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62433_62081.jpg



Pipe, flapgate, and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 4.55 | Rating ** | M | Issue No. | 1322 (cont) | |
| LM End | 4.55 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.243668 ° | 37.243668 ° | |
| | | | | -120.756812 ° | -120.756812 ° | |
| DWR ID | 19771 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62433_62083.jpg



Pipe, flapgate, and headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.55 | Rating ** | M | Issue No. | 1322 (cont) |
| LM End | 4.55 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62433_62082.jpg



Pipe and headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.89 | Rating ** | M | Issue No. | 1323 |
| LM End | 4.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.240978 ° | 37.240978 ° |
| | | | | -120.751613 ° | -120.751613 ° |
| DWR ID | 19772 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19772 FS_ID:62434 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.89), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 4.89), listed as a 24-inch CMP] FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62434_62087.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.89 | Rating ** | M | Issue No. | 1323 (cont) |
| LM End | 4.89 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62434_62088.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 4.89 | Rating ** | M | Issue No. | 1323 (cont) |
| LM End | 4.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.240978 ° | 37.240978 ° | |
| | | | -120.751613 ° | -120.751613 ° | |
| DWR ID | 19772 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62434_62086.jpg



Headwall and pipe on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 5.15 | Rating ** | M | Issue No. | 1324 |
| LM End | 5.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.240607 ° | 37.240607 ° | |
| | | | -120.746916 ° | -120.746916 ° | |
| DWR ID | 19773 | | | | |

Comment Code

Inspector Comment

DS_ID:19773
 FS_ID:62435
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/16/2014 Heavy sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.14), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.15), listed as a 24-inch CMP]
 FS Date: 4/16/2014

Photo 1 of 3 : UCIP_FA_2020_62435_62091.jpg



Headwall, flapgate, and pipe on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.15 | Rating ** | M | Issue No. | 1324 (cont) |
| LM End | 5.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.240607 ° | 37.240607 ° |
| | | | | -120.746916 ° | -120.746916 ° |
| DWR ID | 19773 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62435_62093.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 5.15 | Rating ** | M | Issue No. | 1324 (cont) |
| LM End | 5.15 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62435_62092.jpg



Headwall and pipe on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.58 | Rating ** | A/W | Issue No. | 1325 |
| LM End | 5.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.238879 ° | 37.238879 ° |
| | | | | -120.739719 ° | -120.739719 ° |
| DWR ID | 19774 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19774 | | | | | |
| FS_ID:62436 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.58), listed as a 24-inch CMP] | | | | | |
| FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62436_62096.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 5.58 | Rating ** | A/W | Issue No. | 1325 (cont) |
| LM End | 5.58 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62436_62095.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.58 | Rating ** | A/W | Issue No. | 1325 (cont) |
| LM End | 5.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.238879 ° | 37.238879 ° |
| | | | | -120.739719 ° | -120.739719 ° |
| DWR ID | 19774 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62436_62097.jpg



Headwall and pipe on LS toe with HDPE drain pipe being installed off LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.94 | Rating ** | U | Issue No. | 138 |
| LM End | 5.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.236387 ° | 37.236387 ° |
| | | | | -120.734164 ° | -120.734164 ° |
| DWR ID | DWR_NA0010_05_f_2018_138 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes are located at this location. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_138_20200901_00017.jpg



View of large rodent holes in landside slope. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.99 | Rating ** | M | Issue No. | 116 |
| LM End | 6.40 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.236236 ° | 37.231945 ° |
| | | | | -120.733344 ° | -120.728323 ° |
| DWR ID | DWR_NA0010_05_f_2017_116 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes on both sides of the levee. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 6.35 | Rating ** | A/W | Issue No. | 1326 |
| LM End | 6.35 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.232589 ° | 37.232589 ° |
| | | | | -120.728822 ° | -120.728822 ° |
| DWR ID | 19775 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19775 FS_ID:62437 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.35), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 6.35), listed as a 24-inch CMP] FS Date: 4/16/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 6.35 | Rating ** | A/W | Issue No. | 1326 (cont) |
| LM End | 6.35 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62437_62102.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62437_62101.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|-------------|---------------|
| LM Start | 6.35 | Rating ** | A/W | Issue No. | 1326 (cont) | |
| LM End | 6.35 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.232589 ° | | 37.232589 ° |
| | | | | -120.728822 ° | | -120.728822 ° |
| DWR ID | 19775 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62437_62100.jpg



Headwall and pipe on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.40 | Rating ** | M | Issue No. | 139 |
| LM End | 6.40 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.231900 ° | 37.231900 ° |
| | | | | -120.728345 ° | -120.728345 ° |
| DWR ID | DWR_NA0010_05_f_2018_139 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_139_20200901_00018.jpg



View of rodent holes on landside shoulder. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.45 | Rating ** | M | Issue No. | 136 |
| LM End | 6.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.231316 ° | 37.231316 ° |
| | | | | -120.727875 ° | -120.727875 ° |
| DWR ID | DWR_NA0010_05_f_2019_136 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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 |
|--|--|---|---|

Lower San Joaquin Levee District

No Photos

Erosion on landward slope caused by foot traffic. (Fall 2018)

Looking upstream at damaged landside slope. (Fall 2018)

Page 30 of 160

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.70 | Rating ** | M | Issue No. | 115 |
| LM End | 6.70 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.228861 ° | 37.228861 ° |
| | | | | -120.724579 ° | -120.724579 ° |
| DWR ID | DWR_NA0010_05_f_2017_115 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several squirrels active around the gate on both the land and water side. | | | | | |

No Photos

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.36 | Rating ** | M | Issue No. | 1327 | |
| LM End | 7.36 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.224560 ° | 37.224560 ° | |
| | | | | -120.714057 ° | -120.714057 ° | |
| DWR ID | 19761 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19761 FS_ID:62428 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/22/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.36), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.36), listed as a 24-inch CMP] FS Date: 4/22/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62428_62111.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 1327 (cont) |
| LM End | 7.36 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.224560 ° | 37.224560 ° | |
| | | | -120.714057 ° | -120.714057 ° | |
| DWR ID | 19761 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62428_62113.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.36 | Rating ** | M | Issue No. | 1327 (cont) |
| LM End | 7.36 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62428_62112.jpg



Headwall and pipe on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.58 | Rating ** | M | Issue No. | 1328 |
| LM End | 7.58 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.221465 ° | 37.221465 ° |
| | | | | -120.713780 ° | -120.713780 ° |
| DWR ID | 19762 | | | | |

Comment Code

Inspector Comment

DS_ID:19762
FS_ID:62429
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Indicator Found
UCIP Comments: 04/22/2014 Appears abandoned and if so should be done so properly. Slide gate rusted shut on WS slope. Unable to locate inlet or outlet. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 20.4 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Not found in 2014.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 7.57), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 7.58), listed as a 24-inch CMP]
FS Date: 4/22/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.58 | Rating ** | M | Issue No. | 1328 (cont) |
| LM End | 7.58 | Issue Type + | En | Location * | |

Photo 1 of 2 : UCIP_FA_2020_62429_62116.jpg



Likely inlet on LS toe. No pipe or headwall can be seen at current water level.

Photo 2 of 2 : UCIP_FA_2020_62429_62115.jpg



Slide gate in CMP riser on WS slope. No outlet or pipe found on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.59 | Rating ** | M | Issue No. | 141 |
| LM End | 7.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.221303 ° | 37.221303 ° |
| | | | | -120.713707 ° | -120.713707 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_141 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.68 | Rating ** | M | Issue No. | 101 |
| LM End | 8.08 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.217839 ° | 37.213640 ° |
| | | | | -120.711462 ° | -120.706680 ° |
| DWR ID | DWR_NA0010_05_f_2020_101 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Start at issue 27 | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 7.68 | Rating ** | A/W | Issue No. | 1329 |
| LM End | 7.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.217839 ° | 37.217839 ° |
| | | | | -120.711462 ° | -120.711462 ° |
| DWR ID | 19844 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19844 FS_ID:34254 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 08/01/2018 USACE O&M manual has pipe listed under Unit 10 HLM 0.02, however, based on the current levee alignment pipe is located under Unit 5 CLM 7.68. Discrepancy in pipe O&M reference is based on reference between Historic Levee Alignment and Current Levee Alignment. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.1, 1967, (recorded as Unit 10 HLM 0.02 located in Unit 5 CLM 7.68)]. FS Date: 4/22/2014 | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.09 | Rating ** | M | Issue No. | 104 |
| LM End | 8.09 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Repair Gates | | | 37.213580 ° | 37.213580 ° |
| | | | | -120.706550 ° | -120.706550 ° |
| DWR ID | DWR_NA0010_05_s_2017_104 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| The gate is not opening correctly due to a bent fence post. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_104_20200901_00007.jpg



Gate is broken near the hinge. (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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 1330 |
| LM End | 8.46 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.209606 ° | 37.209606 ° |
| | | | | -120.702069 ° | -120.702069 ° |
| DWR ID | 19763 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19763 FS_ID:62451 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/22/2014 Pipe filled with silt on LS toe and should be cleared. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.44), listed as a 24-inch CMP] FS Date: 4/22/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.46 | Rating ** | M | Issue No. | 1330 (cont) |
| LM End | 8.46 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62451_62182.jpg



Headwall, flapgate, and pipe on WS toe

Photo 2 of 3 : UCIP_FA_2020_62451_62183.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.46 | Rating ** | M | Issue No. | 1330 (cont) | |
| LM End | 8.46 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.209606 ° | 37.209606 ° | |
| | | | | -120.702069 ° | -120.702069 ° | |
| DWR ID | 19763 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62451_62181.jpg



Headwall, slidegate, and pipe on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 9.28 | Rating ** | A/W | Issue No. | 1331 |
| LM End | 9.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202742 ° | 37.202742 ° |
| | | | | -120.690064 ° | -120.690064 ° |
| DWR ID | 19766 | | | | |

Comment Code

Inspector Comment

DS_ID:19766
 FS_ID:62455
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.24), listed as a 36-inch CMP. USACE San Joaquin O&M Manual, Part 601 Unit 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.26), listed as a 36-inch CMP]
 FS Date: 4/22/2014

Photo 1 of 3 : UCIP_FA_2020_62455_62196.jpg



Slide gate in 48-inch CMP riser on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 9.28 | Rating ** | A/W | Issue No. | 1331 (cont) |
| LM End | 9.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202742 ° | 37.202742 ° | |
| | | | -120.690064 ° | -120.690064 ° | |
| DWR ID | 19766 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62455_62198.jpg



Headwall and pipe at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 9.28 | Rating ** | A/W | Issue No. | 1331 (cont) |
| LM End | 9.28 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62455_62197.jpg



Headwall and pipe at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.06 | Rating ** | M | Issue No. | 1332 |
| LM End | 10.06 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.194736 ° | 37.194736 ° |
| | | | | -120.680116 ° | -120.680116 ° |
| DWR ID | 19767 | | | | |

Comment Code

Inspector Comment

DS_ID:19767
FS_ID:62456
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/22/2014 Slidegate actuator appears bent and may not work properly (WS slope). (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 10.04), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 10.05), listed as a 24-inch CMP].
FS Date: 4/22/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 10.06 | Rating ** | M | Issue No. | 1332 (cont) |
| LM End | 10.06 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62456_62201.jpg



Slidegate in CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2020_62456_62202.jpg



Concrete headwall and pipe on WS 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 |
|--|--|--|---|

Lower San Joaquin Levee District

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.79 | Rating ** | M | Issue No. | 203 |
| LM End | 10.79 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.190285 ° | 37.190285 ° |
| | | | | -120.668869 ° | -120.668869 ° |
| DWR ID | DWR_NA0010_05_s_2020_203 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.37 | Rating ** | M | Issue No. | 144 |
| LM End | 11.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.187792 ° | 37.187792 ° |
| | | | | -120.659454 ° | -120.659454 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_144 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Tree limbs on the levee slope should be trimmed to allow access. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_144_20200901_00021.jpg



View of tree limbs on levee slope. (Spring 2020)

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.41 | Rating ** | M | Issue No. | 145 |
| LM End | 11.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.187404 ° | 37.187404 ° |
| | | | | -120.659005 ° | -120.659005 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_145 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| A fallen tree trunk is located on the levee toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_145_20200901_00022.jpg



Fallen tree on levee toe. (Fall 2018)

* 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.44 | Rating ** | M | Issue No. | 146 |
| LM End | 11.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.187021 ° | 37.187021 ° |
| | | | | -120.658564 ° | -120.658564 ° |
| DWR ID | DWR_NA0010_05_f_2018_146 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Fallen tree limbs are located on the levee toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_146_20200901_00023.jpg



Tree limbs and trunk on levee toe. (Spring 2020)

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.49 | Rating ** | M | Issue No. | 147 |
| LM End | 11.49 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.186482 ° | 37.186482 ° |
| | | | | -120.657935 ° | -120.657935 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_147 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Tree limbs are located on landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_147_20200901_00024.jpg



Tree limbs on levee toe. (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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 11.49 | Rating ** | A/W | Issue No. | 1333 |
| LM End | 11.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.186471 ° | 37.186471 ° |
| | | | | -120.657915 ° | -120.657915 ° |
| DWR ID | 19768 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19768 FS_ID:62457 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [Deadman Drainage Structure] 1 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as two 48-inch CMPs referenced as Deadman Drain. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as two 48-inch CMPs] FS Date: 4/22/2014 | | | | | |

| | | | | | |
|----------|-------|--------------|-----|------------|-------------|
| LM Start | 11.49 | Rating ** | A/W | Issue No. | 1333 (cont) |
| LM End | 11.49 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62457_62219.jpg



Slidegate in CMP riser, concrete headwall and pipe visible on WS slope.

Photo 2 of 3 : UCIP_FA_2020_62457_62217.jpg



Stairs, concrete headwall, and pipe visible on LS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 11.49 | Rating ** | A/W | Issue No. | 1333 (cont) |
| LM End | 11.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.186471 ° | 37.186471 ° | |
| | | | -120.657915 ° | -120.657915 ° | |
| DWR ID | 19768 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62457_62218.jpg



Inside pipe at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 11.50 | Rating ** | A/W | Issue No. | 1334 |
| LM End | 11.50 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.186458 ° | 37.186458 ° | |
| | | | -120.657903 ° | -120.657903 ° | |
| DWR ID | 19734 | | | | |

Comment Code

Inspector Comment

DS_ID:19734
 FS_ID:62458
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: [Deadman Drainage Structure] 2 of 2: 48-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Stairs on the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.45), listed as two 48-inch CMPs referenced as Deadman Drain. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.48), listed as two 48-inch CMPs].
 FS Date: 4/22/2014

Photo 1 of 3 : UCIP_FA_2020_62458_62216.jpg



Concrete headwall, pipe, and slidegate in CMP riser on WS of levee.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 11.50 | Rating ** | A/W | Issue No. | 1334 (cont) |
| LM End | 11.50 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.186458 ° | 37.186458 ° | |
| | | | -120.657903 ° | -120.657903 ° | |
| DWR ID | 19734 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62458_62214.jpg



Stairs, concrete headwall and pipe on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 11.50 | Rating ** | A/W | Issue No. | 1334 (cont) |
| LM End | 11.50 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62458_62215.jpg



Inside pipe on WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.55 | Rating ** | U | Issue No. | 108 |
| LM End | 13.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.185876 ° | 37.175338 ° |
| | | | | -120.657211 ° | -120.638075 ° |
| DWR ID | DWR_NA0010_05_f_2020_108 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_108_20201028_00308.jpg



Looking upstream along the landside slope. (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 | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 11.65 | Rating ** | A/W | Issue No. | 1335 |
| LM End | 11.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.184830 ° | 37.184830 ° |
| | | | | -120.656016 ° | -120.656016 ° |
| DWR ID | 19704 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19704 FS_ID:62459 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.60), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.63), listed as a 24-inch CMP]. FS Date: 4/22/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62459_62221.jpg



Headwall, flapgate, and pipe at WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 11.65 | Rating ** | A/W | Issue No. | 1335 (cont) |
| LM End | 11.65 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62459_62223.jpg



Headwall, flapgate, and pipe at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 11.65 | Rating ** | A/W | Issue No. | 1335 (cont) |
| LM End | 11.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.184830 ° | 37.184830 ° | |
| | | | -120.656016 ° | -120.656016 ° | |
| DWR ID | 19704 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62459_62222.jpg



Concrete headwall and pipe at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 12.01 | Rating ** | A/W | Issue No. | 1336 |
| LM End | 12.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.180291 ° | 37.180291 ° | |
| | | | -120.653931 ° | -120.653931 ° | |
| DWR ID | 19705 | | | | |

Comment Code

Inspector Comment

DS_ID:19705
 FS_ID:62460
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the waterside (WS) end. Flashboard attachment on the LS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.99), listed as a 24-inch CMP]
 FS Date: 4/22/2014

Photo 1 of 3 : UCIP_FA_2020_62460_62225.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 12.01 | Rating ** | A/W | Issue No. | 1336 (cont) |
| LM End | 12.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.180291 ° | 37.180291 ° | |
| | | | -120.653931 ° | -120.653931 ° | |
| DWR ID | 19705 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62460_62227.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 12.01 | Rating ** | A/W | Issue No. | 1336 (cont) |
| LM End | 12.01 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62460_62226.jpg



Headwall and pipe on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 12.40 | Rating ** | A/W | Issue No. | 1337 | |
| LM End | 12.40 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.175958 ° | 37.175958 ° | |
| | | | | -120.649798 ° | -120.649798 ° | |
| DWR ID | 19706 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19706 FS_ID:62461 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. Flashboard attachment on the LS end. Pipe crosses levee at 45 degrees to crown alignment. [Additional Reference(s): DWR Levee Log, 2002 (HLM 12.38), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 12.38), listed as a 24-inch CMP] FS Date: 4/22/2014 | | | | | | |

| | | | | | |
|----------|-------|--------------|-----|------------|-------------|
| LM Start | 12.40 | Rating ** | A/W | Issue No. | 1337 (cont) |
| LM End | 12.40 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62461_62230.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62461_62229.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 12.40 | Rating ** | A/W | Issue No. | 1337 (cont) |
| LM End | 12.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.175958 ° | 37.175958 ° |
| | | | | -120.649798 ° | -120.649798 ° |
| DWR ID | 19706 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62461_62231.jpg



Headwall and pipe on LS toe.

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.88 | Rating ** | M | Issue No. | 158 |
| LM End | 12.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.175807 ° | 37.175807 ° |
| | | | | -120.641139 ° | -120.641139 ° |
| DWR ID | DWR_NA0010_05_f _ 2019_158 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Tree limb on the landside slope should be removed. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_158_20200901_00027.jpg



View of downed tree limb on the landside slope. (Fall 2019)

*** 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

Lower San Joaquin Levee District

Headwall, flapgate, and pipe on WS toe.

Page 51 of 160

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.89 | Rating ** | M | Issue No. | 1338 (cont) |
| LM End | 12.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.175816 ° | 37.175816 ° |
| | | | | -120.640865 ° | -120.640865 ° |
| DWR ID | 19707 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62462_62239.jpg



Headwall and pipe on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.01 | Rating ** | M | Issue No. | 2 |
| LM End | 13.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.175576 ° | 37.175576 ° |
| | | | | -120.638755 ° | -120.638755 ° |
| DWR ID | DWR_NA0010_05_s_2016_2 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| There are several downed trees on landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_2_20201028_00309.jpg



Looking west at down tree at landward toe. (Fall 2020)

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.05 | Rating ** | M | Issue No. | 103 |
| LM End | 13.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.175338 ° | 37.165969 ° |
| | | | | -120.638075 ° | -120.626841 ° |
| DWR ID | DWR_NA0010_05_f_2020_103 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.05 | Rating ** | M | Issue No. | 150 |
| LM End | 13.05 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.175314 ° | 37.175314 ° |
| | | | | -120.638034 ° | -120.638034 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_150 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| There are tree trimmings on the levee slope and toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_150_20200901_00025.jpg



Tree trimmings on landside slope and toe. (Fall 2018)

| | | | | | |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.15 | Rating ** | M | Issue No. | 152 |
| LM End | 13.15 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.174444 ° | 37.174444 ° |
| | | | | -120.636589 ° | -120.636589 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_152 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| There is a tree trunk on landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_152_20200901_00026.jpg



Tree trunk on landside toe. (Fall 2018)

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.27 | Rating ** | M | Issue No. | 181 |
| LM End | 13.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.173096 ° | 37.173096 ° |
| | | | | -120.635130 ° | -120.635130 ° |
| DWR ID | DWR_NA0010_05_s_2019_181 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.42 | Rating ** | M | Issue No. | 1339 |
| LM End | 13.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.171523 ° | 37.171523 ° |
| | | | | -120.633442 ° | -120.633442 ° |
| DWR ID | 19708 | | | | |

Comment Code

Inspector Comment

DS_ID:19708
FS_ID:62463
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/22/2014 Some erosion around headwall on the WS toe and there are animal burrows on both slopes. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Flashboard attachment in concrete U-shaped headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.40), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.40), listed as a 48-inch CMP].
FS Date: 4/22/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 13.42 | Rating ** | M | Issue No. | 1339 (cont) |
| LM End | 13.42 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62463_62244.jpg



Headwall and pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2020_62463_62243.jpg



Headwall, flapgate, and pipe on WS 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**

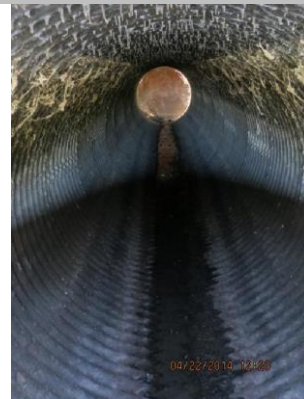
Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.42 | Rating ** | M | Issue No. | 1339 (cont) |
| LM End | 13.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.171523 ° | 37.171523 ° |
| | | | | -120.633442 ° | -120.633442 ° |
| DWR ID | 19708 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62463_62242.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.43 | Rating ** | C | Issue No. | 137 |
| LM End | 13.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.171410 ° | 37.169577 ° |
| | | | | -120.633333 ° | -120.631392 ° |
| DWR ID | DWR_NA0010_05_s_2018_137 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.44 | Rating ** | M | Issue No. | 209 |
| LM End | 13.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.171249 ° | 37.171249 ° |
| | | | | -120.633157 ° | -120.633157 ° |
| DWR ID | DWR_NA0010_05_s_2020_209 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| Dead tree should be removed before it can damage the levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_209_20200901_00036.jpg



Dead tree falling over on the landside toe. (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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------|
| LM Start | 13.72 | Rating ** | M | Issue No. | 1340 |
| LM End | 13.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.168202 ° | 37.168202 ° | |
| | | | -120.629886 ° | -120.629886 ° | |
| DWR ID | 19709 | | | | |

Comment Code

Inspector Comment

DS_ID:19709
 FS_ID:62520
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/22/2014 Pipe not visible and may need to have silt removed from outlet on WS toe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on concrete headwall at the landside (LS) toe. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (recorded as HLM 14.72 should be 13.72), listed as a 24-inch CMP]
 FS Date: 4/22/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 13.72 | Rating ** | M | Issue No. | 1340 (cont) |
| LM End | 13.72 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2020_62520_62624.jpg



Slide gate at concrete headwall on LS toe.

Photo 2 of 2 : UCIP_FA_2020_62520_62623.jpg



Walkway to gatevalve on LS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|------|---------------|
| LM Start | 13.85 | Rating ** | A/W | Issue No. | 1341 | |
| LM End | 13.85 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.166760 ° | | 37.166760 ° |
| | | | | -120.628304 ° | | -120.628304 ° |
| DWR ID | 19710 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19710 FS_ID:62438 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.84), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.83), listed as a 24-inch CMP] FS Date: 4/23/2014 4:17:00 PM | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62438_62450.jpg



Headwall, flapgate, and pipe on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 13.85 | Rating ** | A/W | Issue No. | 1341 (cont) |
| LM End | 13.85 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62438_62448.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 14.46 | Rating ** | A/W | Issue No. | 1342 (cont) |
| LM End | 14.46 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.162722 ° | 37.162722 ° |
| | | | | -120.618571 ° | -120.618571 ° |
| DWR ID | 19711 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62439_62447.jpg



Headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 14.46 | Rating ** | A/W | Issue No. | 1342 (cont) |
| LM End | 14.46 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62439_62445.jpg



Concrete weir inlet at LS toe.

| | | | | | |
|------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 15.03 | Rating ** | A/W | Issue No. | 106 |
| LM End | 15.03 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 37.157570 ° | 37.157570 ° |
| | | | | -120.610570 ° | -120.610570 ° |
| DWR ID | 182-2 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:36 | | | | | |
| Site Designation:182-2 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.11 | Rating ** | M | Issue No. | 1343 |
| LM End | 15.11 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.156805 ° | 37.156805 ° |
| | | | | -120.609513 ° | -120.609513 ° |
| DWR ID | 19712 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19712 FS_ID:62440 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Minor erosion at headwall on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 11.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.08), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.09), listed as a 36-inch CMP] FS Date: 4/23/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.11 | Rating ** | M | Issue No. | 1343 (cont) |
| LM End | 15.11 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62440_62454.jpg



Headwall and inlet on LS toe.

Photo 2 of 3 : UCIP_FA_2020_62440_62453.jpg



Headwall and inlet on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 15.11 | Rating ** | M | Issue No. | 1343 (cont) | |
| LM End | 15.11 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.156805 ° | 37.156805 ° | |
| | | | | -120.609513 ° | -120.609513 ° | |
| DWR ID | 19712 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62440_62452.jpg



Inside pipe at LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.12 | Rating ** | M | Issue No. | 109 |
| LM End | 15.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.156726 ° | 37.152305 ° |
| | | | | -120.609381 ° | -120.603441 ° |
| DWR ID | DWR_NA0010_05_f_2020_109 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.21 | Rating ** | M | Issue No. | 110 |
| LM End | 15.26 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.155782 ° | 37.155337 ° |
| | | | | -120.608075 ° | -120.607449 ° |
| DWR ID | DWR_NA0010_05_f_2020_110 | | | | |
| Comment Code | | | | | |
| E1 : Note and monitor erosion site. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_110_20201028_00310.jpg



Erosion along the waterside slope. (Fall 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 15.31 | Rating ** | M | Issue No. | 3 |
| LM End | 15.32 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.154837 ° | 37.154837 ° |
| | | | | -120.606737 ° | -120.606737 ° |
| DWR ID | NA0010U05RM13.09 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: NA0010U05RM13.09 | | | | | |
| 08/19/2020: This site was discovered during the DWR Spring 2020 Levee Inspections. There is a 20-ft long and an 8-ft long erosion pocket, with scarp heights of up to 3 ft. The erosion has cut into the levee prism. There are signs of rodent and cattle activity. | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|-----------------|
| LM Start | 15.31 | Rating ** | M | Issue No. | 3 (cont) |
| LM End | 15.32 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SJR2019_DWR_NA0010_05_s_2020_213_04.JPG



8/19/2020: View of the erosion pocket looking upstream. The erosion has cut into the levee prism.

Photo 2 of 2 : SJR2019_DWR_NA0010_05_s_2020_213_05.JPG



8/19/2020: Another view of the erosion pocket, looking downstream.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.76 | Rating ** | M | Issue No. | 1344 |
| LM End | 15.76 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.150012 ° | 37.150012 ° |
| | | | | -120.601330 ° | -120.601330 ° |
| DWR ID | 19713 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19713 FS_ID:62441 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.74), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62441_62459.jpg



Headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.76 | Rating ** | M | Issue No. | 1344 (cont) |
| LM End | 15.76 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62441_62456.jpg



Headwall, pipe, and flapgate on WS 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 |
|--|--|---|---|

Levee Inspection Report By Mile - Fall 2020

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.76 | Rating ** | M | Issue No. | 1344 (cont) |
| LM End | 15.76 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.150012 ° | 37.150012 ° |
| | | | | -120.601330 ° | -120.601330 ° |
| DWR ID | 19713 | | | | |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.81 | Rating ** | M | Issue No. | 1345 |
| LM End | 15.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.149381 ° | 37.149381 ° |
| | | | | -120.600761 ° | -120.600761 ° |
| DWR ID | 19715 | | | | |

| Comment Code |
|---|
| Inspector Comment |
| DS_ID:19715 FS_ID:62443 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Excess vegetation at inlet on LS toe should be cleared. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 26-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.79), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.80), listed as a 24-inch CMP] FS Date: 4/23/2014 |

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 15.81 | Rating ** | M | Issue No. | 1345 (cont) |
| LM End | 15.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.149381 ° | 37.149381 ° | |
| | | | -120.600761 ° | -120.600761 ° | |
| DWR ID | 19715 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62443_62467.jpg



Headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.81 | Rating ** | M | Issue No. | 1345 (cont) |
| LM End | 15.81 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62443_62466.jpg



Headwall and pipe visible at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1 |
| LM End | 16.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.145965 ° | 37.145965 ° |
| | | | | -120.597597 ° | -120.597597 ° |
| DWR ID | NA0010U05RM13.85 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U05RM13.85

08/19/2020: Due to ongoing construction both up and downstream, this site could not be accessed and only be viewed from the opposite bank across the bypass. Unable to determine if the conditions changed since the previous inspection.

09/10/2019: The erosion has become worse during the past 2 flood seasons. The erosion length has increased to approximately 200 ft from 55 ft. Signs of animal activity were observed.

09/20/2017: The erosion was discovered during spring levee inspection. The site is covered by dense vegetation and the measurements of the erosion are estimated.

| | | | | | |
|----------|--------------|--------------|----|------------|-----------------|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1 (cont) |
| LM End | 16.13 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : SJR2019_NA0010U05RM13.85_01.JPG



8/19/2020: View of the erosion from across the bypass.

Photo 2 of 3 : SJR2019_NA0010U05RM13.85_04.JPG



8/19/2020: Another view of the erosion from across the bypass.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 16.09 | Rating ** | M | Issue No. | 1 (cont) | |
| LM End | 16.13 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR Erosion Survey | | | 37.145965 ° | 37.145965 ° | |
| | | | | -120.597597 ° | -120.597597 ° | |
| DWR ID | NA0010U05RM13.85 | | | | | |

Photo 3 of 3 : SJR2019_DWR_NA0010_05_s _ 2017_110_5.JPG



9/10/2019: Looking at the erosion from the levee toe. Note the dense vegetation.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.62 | Rating ** | M | Issue No. | 159 |
| LM End | 16.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.139625 ° | 37.139625 ° |
| | | | | -120.592923 ° | -120.592923 ° |
| DWR ID | DWR_NA0010_05_f _ 2019_159 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.68 | Rating ** | M | Issue No. | 1346 |
| LM End | 16.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.138760 ° | 37.138760 ° |
| | | | | -120.592393 ° | -120.592393 ° |
| DWR ID | 19716 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19716 FS_ID:62444 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Pipe heavily silted on LS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 16.66), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.67), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62444_62469.jpg



Headwall, flapgate, and pipe visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.68 | Rating ** | M | Issue No. | 1346 (cont) |
| LM End | 16.68 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62444_62471.jpg



Headwall, flapgate, and pipe visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.22 | Rating ** | M | Issue No. | 1347 (cont) |
| LM End | 17.22 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.132211 ° | 37.132211 ° |
| | | | | -120.587106 ° | -120.587106 ° |
| DWR ID | 19717 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62445_62483.jpg



Headwall, flapgate, and pipe visible on WS toe.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 17.22 | Rating ** | M | Issue No. | 1347 (cont) |
| LM End | 17.22 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62445_62482.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.54 | Rating ** | M | Issue No. | 1348 |
| LM End | 17.54 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.127843 ° | 37.127843 ° |
| | | | | -120.585245 ° | -120.585245 ° |
| DWR ID | 19743 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19743 FS_ID:62446 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 17.52), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 17.52), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62446_62485.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 17.54 | Rating ** | M | Issue No. | 1348 (cont) |
| LM End | 17.54 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62446_62486.jpg



Pipe and headwall visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 17.54 | Rating ** | M | Issue No. | 1348 (cont) |
| LM End | 17.54 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.127843 ° | 37.127843 ° | |
| | | | -120.585245 ° | -120.585245 ° | |
| DWR ID | 19743 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62446_62488.jpg



Inside pipe on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.06 | Rating ** | C | Issue No. | 112 |
| LM End | 18.06 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.120690 ° | 37.120690 ° |
| | | | | -120.582218 ° | -120.582218 ° |
| DWR ID | DWR_NA0010_05_s_2017_112 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| There are 3 temporary eight inch pipes across the levee crown going down both slopes. | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.09 | Rating ** | M | Issue No. | 113 |
| LM End | 24.92 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.120375 ° | 37.054831 ° |
| | | | | -120.582055 ° | -120.496823 ° |
| DWR ID | DWR_NA0010_05_f_2020_113 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.09 | Rating ** | M | Issue No. | 1349 |
| LM End | 18.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.120309 ° | 37.120309 ° |
| | | | | -120.582041 ° | -120.582041 ° |
| DWR ID | 19745 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19745 FS_ID:62465 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Animal burrows in levee on both slopes. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.07), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.07), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.09 | Rating ** | M | Issue No. | 1349 (cont) |
| LM End | 18.09 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62465_62494.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62465_62495.jpg



Headwall, pipe, and flapgate on WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.62 | Rating ** | U | Issue No. | 126 |
| LM End | 18.62 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.115481 ° | 37.115481 ° |
| | | | | -120.575126 ° | -120.575126 ° |
| DWR ID | DWR_NA0010_05_f_2020_126 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_126_20201028_00314.jpg



Several large rodent holes observed at this location. (Fall 2020)

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 18.70 | Rating ** | M | Issue No. | 1350 | |
| LM End | 18.70 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.115472 ° | 37.115472 ° | |
| | | | | -120.573628 ° | -120.573628 ° | |
| DWR ID | 19746 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19746 FS_ID:62466 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.68), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.68), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62466_62499.jpg



Headwall, pipe and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.70 | Rating ** | M | Issue No. | 1350 (cont) |
| LM End | 18.70 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.115472 ° | 37.115472 ° |
| | | | | -120.573628 ° | -120.573628 ° |
| DWR ID | 19746 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62466_62498.jpg



Headwall, pipe and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.70 | Rating ** | M | Issue No. | 1350 (cont) |
| LM End | 18.70 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62466_62500.jpg



Headwall and pipe on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.15 | Rating ** | M | Issue No. | 1351 |
| LM End | 19.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.115466 ° | 37.115466 ° |
| | | | | -120.565467 ° | -120.565467 ° |
| DWR ID | 19747 | | | | |

Comment Code

Inspector Comment

DS_ID:19747
FS_ID:62467
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.11), listed as a 24-inch CMP]
FS Date: 4/23/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 19.15 | Rating ** | M | Issue No. | 1351 (cont) |
| LM End | 19.15 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62467_62504.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62467_62506.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.15 | Rating ** | M | Issue No. | 1351 (cont) |
| LM End | 19.15 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.115466 ° | 37.115466 ° | |
| | | | -120.565467 ° | -120.565467 ° | |
| DWR ID | 19747 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62467_62505.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 19.17 | Rating ** | A/W | Issue No. | 1352 |
| LM End | 19.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.115463 ° | 37.115463 ° | |
| | | | -120.565086 ° | -120.565086 ° | |
| DWR ID | 19776 | | | | |

Comment Code

Inspector Comment

DS_ID:19776
 FS_ID:62468
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.15), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.15), listed as a 24-inch CMP]
 FS Date: 4/23/2014

Photo 1 of 3 : UCIP_FA_2020_62468_62509.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 19.17 | Rating ** | A/W | Issue No. | 1352 (cont) |
| LM End | 19.17 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.115463 ° | 37.115463 ° |
| | | | | -120.565086 ° | -120.565086 ° |
| DWR ID | 19776 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62468_62511.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|-------|--------------|-----|------------|-------------|
| LM Start | 19.17 | Rating ** | A/W | Issue No. | 1352 (cont) |
| LM End | 19.17 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62468_62510.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.48 | Rating ** | M | Issue No. | 1353 |
| LM End | 19.48 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.113542 ° | 37.113542 ° |
| | | | | -120.560389 ° | -120.560389 ° |
| DWR ID | 19777 | | | | |

Comment Code

Inspector Comment

DS_ID:19777
 FS_ID:62469
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/23/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.46), listed as a 24-inch CMP]
 FS Date: 4/23/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 19.48 | Rating ** | M | Issue No. | 1353 (cont) |
| LM End | 19.48 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62469_62514.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62469_62516.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.48 | Rating ** | M | Issue No. | 1353 (cont) |
| LM End | 19.48 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.113542 ° | 37.113542 ° | |
| | | | -120.560389 ° | -120.560389 ° | |
| DWR ID | 19777 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62469_62515.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------|
| LM Start | 19.51 | Rating ** | M | Issue No. | 1354 |
| LM End | 19.51 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.113172 ° | 37.113172 ° | |
| | | | -120.560014 ° | -120.560014 ° | |
| DWR ID | 24868 | | | | |

Comment Code

Inspector Comment

DS_ID:24868
 FS_ID:39345
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 04/23/2014 Markers closer to the levee may be necessary to properly mark pipe crossing location. (DWR UCIP - W. Wylie)
 FIELD_STRUCT_DESC: Steel natural gas pipeline of an unknown size through the levee, at an unknown depth. Corrugated metal pipe (CMP) riser and gas line marker off the landside (LS) toe.
 FS Date: 4/22/2014

Photo 1 of 2 : UCIP_FA_2020_39345_71477.jpg



Gasline marker off LS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.51 | Rating ** | M | Issue No. | 1354 (cont) |
| LM End | 19.51 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.113172 ° | 37.113172 ° | |
| | | | -120.560014 ° | -120.560014 ° | |
| DWR ID | 24868 | | | | |

Photo 2 of 2 : UCIP_FA_2020_39345_71476.jpg



Gasline marker off LS of opposite bank.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 19.52 | Rating ** | M | Issue No. | 1355 |
| LM End | 19.52 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.112953 ° | 37.112953 ° | |
| | | | -120.559943 ° | -120.559943 ° | |
| DWR ID | 19778 | | | | |

Comment Code

Inspector Comment

DS_ID:19778
 FS_ID:62470
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.50), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.50), listed as a 24-inch CMP]
 FS Date: 4/23/2014

Photo 1 of 3 : UCIP_FA_2020_62470_62519.jpg



Headwall, pipe, and flapgate visible on WS toe.

*** 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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.65 | Rating ** | M | Issue No. | 133 |
| LM End | 19.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.111599 ° | 37.111599 ° |
| | | | | -120.558443 ° | -120.558443 ° |
| DWR ID | DWR_NA0010_05_f_2020_133 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 19.86 | Rating ** | A/W | Issue No. | 1356 | |
| LM End | 19.86 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.109284 ° | 37.109284 ° | |
| | | | | -120.555948 ° | -120.555948 ° | |
| DWR ID | 19779 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19779 | | | | | | |
| FS_ID:62521 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.83), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.84), listed as a 24-inch CMP] | | | | | | |
| FS Date: 4/23/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62521_62525.jpg



Headwall and pipe visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 19.86 | Rating ** | A/W | Issue No. | 1356 (cont) |
| LM End | 19.86 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.109284 ° | 37.109284 ° |
| | | | | -120.555948 ° | -120.555948 ° |
| DWR ID | 19779 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62521_62524.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 19.86 | Rating ** | A/W | Issue No. | 1356 (cont) |
| LM End | 19.86 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62521_62523.jpg



Inside pipe on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 19.94 | Rating ** | A/W | Issue No. | 1357 |
| LM End | 19.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.108426 ° | 37.108426 ° |
| | | | | -120.554990 ° | -120.554990 ° |
| DWR ID | 19780 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19780 FS_ID:62472 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.92), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.92), listed as a 36-inch CMP]. FS Date: 4/23/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62472_62529.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 19.94 | Rating ** | A/W | Issue No. | 1357 (cont) |
| LM End | 19.94 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62472_62530.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 19.94 | Rating ** | A/W | Issue No. | 1357 (cont) |
| LM End | 19.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.108426 ° | 37.108426 ° | |
| | | | -120.554990 ° | -120.554990 ° | |
| DWR ID | 19780 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62472_62528.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 20.10 | Rating ** | A/W | Issue No. | 1358 |
| LM End | 20.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.107091 ° | 37.107091 ° | |
| | | | -120.553503 ° | -120.553503 ° | |
| DWR ID | 19781 | | | | |

Comment Code

Inspector Comment

DS_ID:19781
 FS_ID:62522
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.04), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.05), listed as a 36-inch CMP]
 FS Date: 4/23/2014

Photo 1 of 3 : UCIP_FA_2020_62522_62533.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 20.10 | Rating ** | A/W | Issue No. | 1358 (cont) |
| LM End | 20.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.107091 ° | 37.107091 ° |
| | | | | -120.553503 ° | -120.553503 ° |
| DWR ID | 19781 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62522_62532.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 20.10 | Rating ** | A/W | Issue No. | 1358 (cont) |
| LM End | 20.10 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62522_62534.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 20.19 | Rating ** | M | Issue No. | 1359 | |
| LM End | 20.19 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 37.106149 ° | 37.106149 ° | |
| | | | | -120.552538 ° | -120.552538 ° | |
| DWR ID | 19782 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19782 FS_ID:34759 EP_NO: 13828 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: *DELETE* NOT INSTALLED THROUGH THE LEVEE. 24-inch steel irrigation pipe through the levee, 4.0 feet below the crown. Pump missing from pad on the landward side. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe on landward shoulder. Pre-existing ditch runs from waterward toe to channel. Pipe extends from pump to the channel. Rock revetment on the cut slopes of the inlet channel. (Permit No. 13828-1988) FS Date: 4/23/2014 | | | | | | |

Photo 1 of 1 : UCIP_FA_2020_34759_62537.jpg



Well head visible off LS toe.

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|------|---------------|
| LM Start | 20.24 | Rating ** | A/W | Issue No. | 1360 | |
| LM End | 20.24 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.105489 ° | | 37.105489 ° |
| | | | | -120.551886 ° | | -120.551886 ° |
| DWR ID | 19783 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19783 FS_ID:62474 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.18), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.18), listed as a 36-inch CMP] FS Date: 4/23/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62474_62539.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 20.24 | Rating ** | A/W | Issue No. | 1360 (cont) |
| LM End | 20.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.105489 ° | 37.105489 ° | |
| | | | -120.551886 ° | -120.551886 ° | |
| DWR ID | 19783 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62474_62541.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 20.24 | Rating ** | A/W | Issue No. | 1360 (cont) |
| LM End | 20.24 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62474_62540.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.65 | Rating ** | M | Issue No. | 1361 |
| LM End | 20.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.100903 ° | 37.100903 ° |
| | | | | -120.547282 ° | -120.547282 ° |
| DWR ID | 19784 | | | | |

Comment Code

Inspector Comment

DS_ID:19784
FS_ID:62523
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 20.58), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 20.59), listed as a 24-inch CMP]
FS Date: 4/23/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 20.65 | Rating ** | M | Issue No. | 1361 (cont) |
| LM End | 20.65 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62523_62544.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62523_62543.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 20.65 | Rating ** | M | Issue No. | 1361 (cont) | |
| LM End | 20.65 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.100903 ° | 37.100903 ° | |
| | | | | -120.547282 ° | -120.547282 ° | |
| DWR ID | 19784 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62523_62545.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.93 | Rating ** | M | Issue No. | 135 |
| LM End | 20.93 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.097826 ° | 37.097826 ° |
| | | | | -120.543984 ° | -120.543984 ° |
| DWR ID | DWR_NA0010_05_f_2020_135 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_135_20201028_00316.jpg



View of rodent burrow in the landside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 21.13 | Rating ** | M | Issue No. | 1362 | |
| LM End | 21.13 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.095603 ° | 37.095603 ° | |
| | | | | -120.541593 ° | -120.541593 ° | |
| DWR ID | 19785 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19785 FS_ID:62476 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.07), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.08), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62476_62549.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 21.13 | Rating ** | M | Issue No. | 1362 (cont) |
| LM End | 21.13 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62476_62551.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|--------------------|
| LM Start | 21.13 | Rating ** | M | Issue No. | 1362 (cont) |
| LM End | 21.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.095603 ° | 37.095603 ° |
| | | | | -120.541593 ° | -120.541593 ° |
| DWR ID | 19785 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62476_62550.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.45 | Rating ** | C | Issue No. | 120 |
| LM End | 21.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.092064 ° | 37.092064 ° |
| | | | | -120.537750 ° | -120.537750 ° |
| DWR ID | DWR_NA0010_05_f_2017_120 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.48 | Rating ** | M | Issue No. | 1363 |
| LM End | 21.48 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.091755 ° | 37.091755 ° |
| | | | | -120.537414 ° | -120.537414 ° |
| DWR ID | 19786 | | | | |

Comment Code

Inspector Comment

DS_ID:19786
FS_ID:62524
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.43), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.42)]
FS Date: 4/23/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 21.48 | Rating ** | M | Issue No. | 1363 (cont) |
| LM End | 21.48 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62524_62555.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62524_62556.jpg



Headwall, pipe, and flapgate visible on WS 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 |
|--|---|---|

Levee Inspection Report By Mile - Fall 2020

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 21.48 | Rating ** | M | Issue No. | 1363 (cont) | |
| LM End | 21.48 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.091755 ° | 37.091755 ° | |
| | | | | -120.537414 ° | -120.537414 ° | |
| DWR ID | 19786 | | | | | |

Headwall and pipe visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.91 | Rating ** | M | Issue No. | 1364 |
| LM End | 21.91 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.087525 ° | 37.087525 ° |
| | | | | -120.532827 ° | -120.532827 ° |
| DWR ID | 19787 | | | | |

Comment Code

Inspector Comment

DS_ID:19787
 FS_ID:62478
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.81), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SUR601.1), 1967, Revised 25 May 2011, (HLM 21.81), listed as a 24-inch CMP]
 FS Date: 4/23/2014

A wide-angle photograph of a grassy field with a dirt path leading towards a distant horizon. A small, dark, irregularly shaped object is visible in the foreground, partially obscured by the grass. The sky is clear and blue.

Headwall, pipe, and flapgate visible on WS toe.

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 21.91 | Rating ** | M | Issue No. | 1364 (cont) |
| LM End | 21.91 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.087525 ° | 37.087525 ° | |
| | | | -120.532827 ° | -120.532827 ° | |
| DWR ID | 19787 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62478_62558.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 21.91 | Rating ** | M | Issue No. | 1364 (cont) |
| LM End | 21.91 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62478_62560.jpg



Headwall and pipe visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.95 | Rating ** | M | Issue No. | 1365 |
| LM End | 21.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.087108 ° | 37.087108 ° |
| | | | | -120.532374 ° | -120.532374 ° |
| DWR ID | 19788 | | | | |

Comment Code

Inspector Comment

DS_ID:19788
FS_ID:62479
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 21.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 21.85), listed as a 24-inch CMP].
FS Date: 4/23/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 21.95 | Rating ** | M | Issue No. | 1365 (cont) |
| LM End | 21.95 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62479_62586.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62479_62588.jpg



Headwall, pipe, and flapgate visible on WS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 21.95 | Rating ** | M | Issue No. | 1365 (cont) |
| LM End | 21.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.087108 ° | 37.087108 ° | |
| | | | -120.532374 ° | -120.532374 ° | |
| DWR ID | 19788 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62479_62587.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 22.28 | Rating ** | M | Issue No. | 1366 |
| LM End | 22.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.083410 ° | 37.083410 ° | |
| | | | -120.528356 ° | -120.528356 ° | |
| DWR ID | 19789 | | | | |

Comment Code

Inspector Comment

DS_ID:19789
 FS_ID:62480
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.19), listed as a 24-inch CMP].
 FS Date: 4/23/2014

Photo 1 of 3 : UCIP_FA_2020_62480_62591.jpg



Headwall, pipe, and flapgate visible on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 22.28 | Rating ** | M | Issue No. | 1366 (cont) |
| LM End | 22.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.083410 ° | 37.083410 ° | |
| | | | -120.528356 ° | -120.528356 ° | |
| DWR ID | 19789 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62480_62593.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 22.28 | Rating ** | M | Issue No. | 1366 (cont) |
| LM End | 22.28 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62480_62592.jpg



Headwall and pipe visible on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.28 | Rating ** | M | Issue No. | 143 |
| LM End | 22.41 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.083396 ° | 37.081992 ° |
| | | | | -120.528376 ° | -120.526856 ° |
| DWR ID | DWR_NA0010_05_f_2020_143 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.35 | Rating ** | M | Issue No. | 121 |
| LM End | 22.35 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.082696 ° | 37.082696 ° |
| | | | | -120.527620 ° | -120.527620 ° |
| DWR ID | DWR_NA0010_05_f_2017_121 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Waterside slope damaged by animal traffic. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_121_20200901_00010.jpg



Looking southeast at the waterside slope.

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 22.55 | Rating ** | M | Issue No. | 1367 | |
| LM End | 22.55 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.080486 ° | 37.080486 ° | |
| | | | | -120.525180 ° | -120.525180 ° | |
| DWR ID | 19790 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19790 FS_ID:62481 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.46), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62481_62596.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.55 | Rating ** | M | Issue No. | 1367 (cont) |
| LM End | 22.55 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.080486 ° | 37.080486 ° |
| | | | | -120.525180 ° | -120.525180 ° |
| DWR ID | 19790 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62481_62598.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 22.55 | Rating ** | M | Issue No. | 1367 (cont) |
| LM End | 22.55 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62481_62597.jpg



Headwall and pipe visible on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.89 | Rating ** | M | Issue No. | 1368 |
| LM End | 22.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.076830 ° | 37.076830 ° |
| | | | | -120.521116 ° | -120.521116 ° |
| DWR ID | 19791 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19791 FS_ID:62482 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/23/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 22.79), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 22.79), listed as a 24-inch CMP] FS Date: 4/23/2014 | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 22.89 | Rating ** | M | Issue No. | 1368 (cont) |
| LM End | 22.89 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62482_62601.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62482_62600.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 23.03 | Rating ** | M | Issue No. | 1369 (cont) |
| LM End | 23.03 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.075387 ° | 37.075387 ° |
| | | | | -120.519406 ° | -120.519406 ° |
| DWR ID | 19792 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62483_62608.jpg



Headwall, pipe, and flapgate visible on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 23.03 | Rating ** | M | Issue No. | 1369 (cont) |
| LM End | 23.03 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62483_62607.jpg



Headwall and pipe visible on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 23.17 | Rating ** | M | Issue No. | 1370 |
| LM End | 23.17 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.073901 ° | 37.073901 ° |
| | | | | -120.517651 ° | -120.517651 ° |
| DWR ID | 19793 | | | | |

Comment Code

Inspector Comment

DS_ID:19793
FS_ID:62484
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/23/2014 Debris blocking closure of outlet. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.06), listed as a 24-inch corrugated metal pipe (CMP)]
FS Date: 4/23/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 23.17 | Rating ** | M | Issue No. | 1370 (cont) |
| LM End | 23.17 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62484_62611.jpg



Headwall, pipe, and flapgate visible on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62484_62610.jpg



Headwall, pipe, and flapgate visible on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 23.17 | Rating ** | M | Issue No. | 1370 (cont) |
| LM End | 23.17 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.073901 ° | 37.073901 ° | |
| | | | -120.517651 ° | -120.517651 ° | |
| DWR ID | 19793 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62484_62615.jpg



Debris blocking closure of outlet on WS toe.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 23.23 | Rating ** | C | Issue No. | 184 |
| LM End | 23.23 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.073259 ° | 37.073259 ° |
| | | | | -120.516970 ° | -120.516970 ° |
| DWR ID | DWR_NA0010_05_s_2019_184 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 23.24 | Rating ** | A/W | Issue No. | 160 |
| LM End | 23.68 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.073064 ° | 37.068260 ° |
| | | | | -120.516771 ° | -120.511583 ° |
| DWR ID | DWR_NA0010_05_f _ 2018_160 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is slope damage caused by livestock on waterside. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_160_20200901_00028.jpg



Slope damage cause by livestock foot traffic. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 23.25 | Rating ** | A/W | Issue No. | 1371 |
| LM End | 23.25 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.072989 ° | 37.072989 ° |
| | | | | -120.516687 ° | -120.516687 ° |
| DWR ID | 19794 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19794 | | | | | |
| FS_ID:62485 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: | | | | | |
| FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.14), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 23.15), listed as a 30-inch CMP] | | | | | |
| FS Date: 3/25/2014 9:04:00 AM | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62485_59262.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 23.25 | Rating ** | A/W | Issue No. | 1371 (cont) |
| LM End | 23.25 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62485_59263.jpg



Flapgate and concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 23.72 | Rating ** | M | Issue No. | 1372 (cont) |
| LM End | 23.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.067799 ° | 37.067799 ° |
| | | | | -120.511093 ° | -120.511093 ° |
| DWR ID | 19796 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62488_59270.jpg



Flapgate on Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 23.72 | Rating ** | M | Issue No. | 1372 (cont) |
| LM End | 23.72 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62488_59271.jpg



Concrete headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1373 |
| LM End | 24.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.064494 ° | 37.064494 ° | |
| | | | -120.507531 ° | -120.507531 ° | |
| DWR ID | 19797 | | | | |

Comment Code

Inspector Comment

DS_ID:19797
 FS_ID:62489
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/25/2014 Minor sediment/debris buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.92), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 23.85), listed as a 36-inch CMP]
 FS Date: 3/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1373 (cont) |
| LM End | 24.02 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62489_59282.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62489_59280.jpg



Flapgate at Concrete headwall on WS 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 | |
|--|--|---|--|---|--|

Levee Inspection Report By Mile - Fall 2020

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|--------------------|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1373 (cont) |
| LM End | 24.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.064494 ° | 37.064494 ° |
| | | | | -120.507531 ° | -120.507531 ° |
| DWR ID | 19797 | | | | |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.28 | Rating ** | M | Issue No. | 1374 |
| LM End | 24.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.061724 ° | 37.061724 ° |
| | | | | -120.504512 ° | -120.504512 ° |
| DWR ID | 19798 | | | | |

Inspector Comment

DS_ID:19798
 FS_ID:62490
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.18), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.18), listed as a 24-inch CMP]
 FS Date: 3/25/2014

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 24.28 | Rating ** | M | Issue No. | 1374 (cont) | |
| LM End | 24.28 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.061724 ° | 37.061724 ° | |
| | | | | -120.504512 ° | -120.504512 ° | |
| DWR ID | 19798 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62490_59285.jpg



Flapgate at concrete headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 24.28 | Rating ** | M | Issue No. | 1374 (cont) |
| LM End | 24.28 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62490_59286.jpg



Concrete headwall at LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.56 | Rating ** | M | Issue No. | 1375 |
| LM End | 24.56 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.058673 ° | 37.058673 ° |
| | | | | -120.501238 ° | -120.501238 ° |
| DWR ID | 19799 | | | | |

Comment Code

Inspector Comment

DS_ID:19799
FS_ID:62491
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.46), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.46), listed as a 24-inch CMP]
FS Date: 3/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 24.56 | Rating ** | M | Issue No. | 1375 (cont) |
| LM End | 24.56 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62491_59292.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62491_59290.jpg



Flapgate at Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.56 | Rating ** | M | Issue No. | 1375 (cont) |
| LM End | 24.56 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.058673 ° | 37.058673 ° |
| | | | | -120.501238 ° | -120.501238 ° |
| DWR ID | 19799 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62491_59291.jpg



Concrete headwall on LS toe.

| | | | | | |
|-------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.56 | Rating ** | M | Issue No. | 175 |
| LM End | 24.56 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.058672 ° | 37.058672 ° |
| | | | | -120.501218 ° | -120.501218 ° |
| DWR ID | DWR_NA0010_05_f_2019_175 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| Concrete pipe left on landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_175_20200901_00033.jpg



Sections of concrete pipe left along the landside toe. (Fall 2019)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 24.93 | Rating ** | A/W | Issue No. | 1376 | |
| LM End | 24.93 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.054481 ° | 37.054481 ° | |
| | | | | -120.496798 ° | -120.496798 ° | |
| DWR ID | 19800 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19800 | | | | | | |
| FS_ID:62492 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.82), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.82), listed as a 24-inch CMP] | | | | | | |
| FS Date: 3/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62492_59297.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 24.93 | Rating ** | A/W | Issue No. | 1376 (cont) |
| LM End | 24.93 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62492_59295.jpg



Flapgate on concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 24.93 | Rating ** | A/W | Issue No. | 1376 (cont) |
| LM End | 24.93 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.054481 ° | 37.054481 ° | |
| | | | -120.496798 ° | -120.496798 ° | |
| DWR ID | 19800 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62492_59296.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 24.96 | Rating ** | A/W | Issue No. | 1377 |
| LM End | 24.96 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.054344 ° | 37.054344 ° | |
| | | | -120.496214 ° | -120.496214 ° | |
| DWR ID | 19801 | | | | |

Comment Code

Inspector Comment

DS_ID:19801
 FS_ID:62493
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.86), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 24.87), listed as a 30-inch CMP]
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP_FA_2020_62493_59302.jpg



Flapgate and channel off WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 24.96 | Rating ** | A/W | Issue No. | 1377 (cont) |
| LM End | 24.96 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.054344 ° | 37.054344 ° | |
| | | | -120.496214 ° | -120.496214 ° | |
| DWR ID | 19801 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62493_59301.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 24.96 | Rating ** | A/W | Issue No. | 1377 (cont) |
| LM End | 24.96 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62493_59303.jpg



Flapgate on headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 24.98 | Rating ** | M | Issue No. | 1378 | |
| LM End | 24.98 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.054146 ° | 37.054146 ° | |
| | | | | -120.495968 ° | -120.495968 ° | |
| DWR ID | 19802 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19802 FS_ID:62494 EP_NO: 12873 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/25/2014 Clear soil from siphon breaker and install a protective riser. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 2 feet below the crown. Slant pump at the channel on the waterside (WS) toe. Siphon breaker on the WS shoulder. Gate valve on the landside (LS) toe. A preexisting ditch runs from the WS toe to the channel. Riprap placed around the intake. 2-inch polyvinyl chloride (PVC) electrical conduit at the same location. (Plans to install a pump with a discharge pipe through the levee authorized under Permit No. 12873, 1980 - Bowles Farming Company). [Additional Reference(s): DWR Levee Log, 2002 (HLM 24.88), listed as a 16-inch pipe] FS Date: 3/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62494_59306.jpg



Slant pump at channel on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 24.98 | Rating ** | M | Issue No. | 1378 (cont) |
| LM End | 24.98 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62494_59307.jpg



Buried Siphon breaker on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 24.98 | Rating ** | M | Issue No. | 1378 (cont) | |
| LM End | 24.98 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 37.054146 ° | 37.054146 ° | |
| | | | | -120.495968 ° | -120.495968 ° | |
| DWR ID | 19802 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62494_59304.jpg



Power pole, meter, and electrical panel off LS toe.

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.09 | Rating ** | M | Issue No. | 123 |
| LM End | 25.26 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.053103 ° | 37.051252 ° |
| | | | | -120.494651 ° | -120.492368 ° |
| DWR ID | DWR_NA0010_05_f _ 2017_123 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_123_20201028_00317.jpg



View of the landside slope looking upstream. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.24 | Rating ** | M | Issue No. | 1379 |
| LM End | 25.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.051477 ° | 37.051477 ° |
| | | | | -120.492650 ° | -120.492650 ° |
| DWR ID | 19803 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19803 | | | | | |
| FS_ID:62518 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 03/25/2014 Flapgate propped open during flood season. (W. Wylie - DWR UCIP) | | | | | |
| FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.14), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (recorded incorrectly as HLM 25.43 correct HLM 25.13), listed as a 30-inch CMP] | | | | | |
| FS Date: 10/27/2020 2:27:00 PM | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62518_59311.jpg



Concrete headwall and flapgate on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 25.24 | Rating ** | M | Issue No. | 1379 (cont) |
| LM End | 25.24 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62518_59312.jpg



Concrete headwall and flapgate on WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.24 | Rating ** | M | Issue No. | 1379 (cont) |
| LM End | 25.24 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.051477 ° | 37.051477 ° |
| | | | | -120.492650 ° | -120.492650 ° |
| DWR ID | 19803 | | | | |

A photograph showing a grassy field in the foreground, a fence line with some brush in the middle ground, and a body of water or a very flat, wet area in the background. The sky is not visible. A timestamp in the bottom right corner reads "03/25/2014 11:04".

Concrete headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.28 | Rating ** | M | Issue No. | 9 |
| LM End | 25.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.051076 ° | 37.050349 ° |
| | | | | -120.492153 ° | -120.491269 ° |
| DWR ID | DWR_NA0010_05_s _ 2012_9 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are noted along this section. | | | | | |

View of representative rodent burrow. (Fall 2018)

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.58 | Rating ** | U | Issue No. | 148 |
| LM End | 25.60 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.047827 ° | 37.047551 ° |
| | | | | -120.488738 ° | -120.488527 ° |
| DWR ID | DWR_NA0010_05_f _ 2020_148 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

View of burrows in the landside. (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 |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 25.61 | Rating ** | M | Issue No. | 1380 |
| LM End | 25.61 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.047455 ° | 37.047455 ° |
| | | | | -120.488443 ° | -120.488443 ° |
| DWR ID | 19804 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19804 FS_ID:62496 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/25/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.51), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 25.51), listed as a 30-inch CMP] FS Date: 3/25/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62496_59316.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 25.61 | Rating ** | M | Issue No. | 1380 (cont) |
| LM End | 25.61 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62496_59317.jpg



Flapgate on concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 25.63 | Rating ** | M | Issue No. | 1381 | |
| LM End | 25.63 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.047170 ° | 37.047170 ° | |
| | | | | -120.488222 ° | -120.488222 ° | |
| DWR ID | 19805 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19805 FS_ID:62497 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 12.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 25.53), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 25.53), listed as a 30-inch CMP] FS Date: 3/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62497_59321.jpg



Flapgate on headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 25.63 | Rating ** | M | Issue No. | 1381 (cont) |
| LM End | 25.63 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62497_59320.jpg



Concrete headwall on LS 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 |
|--|---|---|

Lower San Joaquin Levee District

Page 126 of 160

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.20 | Rating ** | M | Issue No. | 1382 |
| LM End | 26.20 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.040070 ° | 37.040070 ° |
| | | | | -120.482796 ° | -120.482796 ° |
| DWR ID | 19806 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19806 FS_ID:62498 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/25/2014 Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.10), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.11), listed as a 24-inch CMP] FS Date: 3/25/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62498_59341.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 26.20 | Rating ** | M | Issue No. | 1382 (cont) |
| LM End | 26.20 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62498_59340.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 26.20 | Rating ** | M | Issue No. | 1382 (cont) |
| LM End | 26.20 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.040070 ° | 37.040070 ° | |
| | | | -120.482796 ° | -120.482796 ° | |
| DWR ID | 19806 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62498_59342.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 26.39 | Rating ** | A/W | Issue No. | 1383 |
| LM End | 26.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.037772 ° | 37.037772 ° | |
| | | | -120.481028 ° | -120.481028 ° | |
| DWR ID | 19807 | | | | |

Comment Code

Inspector Comment

DS_ID:19807
 FS_ID:62499
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.29), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.29), listed as a 36-inch CMP]
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP_FA_2020_62499_59347.jpg



Concrete headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 26.39 | Rating ** | A/W | Issue No. | 1383 (cont) |
| LM End | 26.39 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.037772 ° | 37.037772 ° | |
| | | | -120.481028 ° | -120.481028 ° | |
| DWR ID | 19807 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62499_59346.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 26.39 | Rating ** | A/W | Issue No. | 1383 (cont) |
| LM End | 26.39 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62499_59345.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.95 | Rating ** | C | Issue No. | 119 |
| LM End | 26.95 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.032667 ° | 37.032667 ° |
| | | | | -120.473943 ° | -120.473943 ° |
| DWR ID | DWR_NA0010_05_s_2018_119 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| There is a temporary pipe crossing levee crown which should be 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.95 | Rating ** | M | Issue No. | 1384 |
| LM End | 26.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.032669 ° | 37.032669 ° |
| | | | | -120.473901 ° | -120.473901 ° |
| DWR ID | 19808 | | | | |

Comment Code

Inspector Comment

DS_ID:19808
 FS_ID:62500
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/25/2014 Pipe has heavy silt buildup visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.85), listed as a 24-inch CMP]
 FS Date: 3/25/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 26.95 | Rating ** | M | Issue No. | 1384 (cont) |
| LM End | 26.95 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62500_59350.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2020_62500_59349.jpg



Concrete headwall on LS toe.

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.95 | Rating ** | M | Issue No. | 1384 (cont) |
| LM End | 26.95 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.032669 ° | 37.032669 ° |
| | | | | -120.473901 ° | -120.473901 ° |
| DWR ID | 19808 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62500_59348.jpg



Silt buildup in pipe at LS toe.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.97 | Rating ** | M | Issue No. | 1385 |
| LM End | 26.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.032680 ° | 37.032680 ° |
| | | | | -120.473454 ° | -120.473454 ° |
| DWR ID | 19748 | | | | |

Comment Code

Inspector Comment

DS_ID:19748
 FS_ID:62501
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/25/2014 Tumble weed buildup at inlet mat create blockage and should be removed. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 26.87), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 26.87), listed as a 24-inch CMP]
 FS Date: 3/25/2014

Photo 1 of 3 : UCIP_FA_2020_62501_59353.jpg



Concrete headwall at WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 26.97 | Rating ** | M | Issue No. | 1385 (cont) |
| LM End | 26.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.032680 ° | 37.032680 ° | |
| | | | -120.473454 ° | -120.473454 ° | |
| DWR ID | 19748 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62501_59355.jpg



Flapgate and Concrete headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 26.97 | Rating ** | M | Issue No. | 1385 (cont) |
| LM End | 26.97 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62501_59354.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.99 | Rating ** | U | Issue No. | 162 |
| LM End | 27.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.032651 ° | 37.032659 ° |
| | | | | -120.473205 ° | -120.472190 ° |
| DWR ID | DWR_NA0010_05_f_2018_162 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent burrows with large quantities of material displaced noted in this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_162_20201028_00320.jpg



Several rodent burrows noted in this section of the levee. (Fall 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|-------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 27.01 | Rating ** | M | Issue No. | 125 |
| LM End | 27.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.032675 ° | 37.032675 ° |
| | | | | -120.472841 ° | -120.472841 ° |
| DWR ID | DWR_NA0010_05_f _ 2017_125 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_125_20201028_00321.jpg



Prunings left on the landside toe. (Fall 2020)

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 27.31 | Rating ** | A/W | Issue No. | 1386 | |
| LM End | 27.31 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.032668 ° | 37.032668 ° | |
| | | | | -120.467299 ° | -120.467299 ° | |
| DWR ID | 19749 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19749 | | | | | | |
| FS_ID:62502 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 27.21), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 27.22), listed as a 36-inch CMP] | | | | | | |
| FS Date: 3/25/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62502_59358.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 27.31 | Rating ** | A/W | Issue No. | 1386 (cont) |
| LM End | 27.31 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.032668 ° | 37.032668 ° | |
| | | | -120.467299 ° | -120.467299 ° | |
| DWR ID | 19749 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62502_59359.jpg



Flapgate at Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 27.31 | Rating ** | A/W | Issue No. | 1386 (cont) |
| LM End | 27.31 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62502_59357.jpg



Concrete headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.24 | Rating ** | M | Issue No. | 163 |
| LM End | 28.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.032597 ° | 37.032595 ° |
| | | | | -120.450536 ° | -120.450081 ° |
| DWR ID | DWR_NA0010_05_f_2018_163 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Bait station is present. Burrows should be backfilled. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 28.27 | Rating ** | M | Issue No. | 1387 | |
| LM End | 28.27 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.032623 ° | 37.032623 ° | |
| | | | | -120.450108 ° | -120.450108 ° | |
| DWR ID | 19750 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19750 FS_ID:62503 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/25/2014 Animal Burrowing activity at LS toe may undermine headwall. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 28.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 28.17), listed as a 24-inch CMP] FS Date: 3/25/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 28.27 | Rating ** | M | Issue No. | 1387 (cont) |
| LM End | 28.27 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62503_59382.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62503_59383.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 28.27 | Rating ** | M | Issue No. | 1387 (cont) |
| LM End | 28.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.032623 ° | 37.032623 ° | |
| | | | -120.450108 ° | -120.450108 ° | |
| DWR ID | 19750 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62503_59381.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 28.79 | Rating ** | A/W | Issue No. | 1388 |
| LM End | 28.79 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.031640 ° | 37.031640 ° | |
| | | | -120.441389 ° | -120.441389 ° | |
| DWR ID | 19751 | | | | |

Comment Code

Inspector Comment

DS_ID:19751
 FS_ID:62504
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 30-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 28.69), listed as a 30-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 28.69), listed as a 30-inch CMP]
 FS Date: 3/27/2014

Photo 1 of 3 : UCIP_FA_2020_62504_59420.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 28.79 | Rating ** | A/W | Issue No. | 1388 (cont) |
| LM End | 28.79 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.031640 ° | 37.031640 ° | |
| | | | -120.441389 ° | -120.441389 ° | |
| DWR ID | 19751 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62504_59419.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 28.79 | Rating ** | A/W | Issue No. | 1388 (cont) |
| LM End | 28.79 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62504_59418.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.89 | Rating ** | M | Issue No. | 149 |
| LM End | 30.03 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.030370 ° | 37.015805 ° |
| | | | | -120.440664 ° | -120.430663 ° |
| DWR ID | DWR_NA0010_05_f_2020_149 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 29.05 | Rating ** | M | Issue No. | 1389 | |
| LM End | 29.05 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.028295 ° | 37.028295 ° | |
| | | | | -120.439275 ° | -120.439275 ° | |
| DWR ID | 19752 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19752 FS_ID:62505 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent slide gate is on LS. Pipe is buried through WS. Need to coordinate with owner to determine permit used to authorized sleeved pipe. (O. Magana - DWR UCIP)3/27/2014 Slide gate will not close due to 24-inch PVC pipe sleeved through pipe. Also slide gate rails rusted beyond use. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 12.1 feet below the crown. Concrete U-shaped headwall on inlet structure on the landside (LS) end. Slide gate mounted on concrete headwall on the LS. 36-inch corrugated metal pipe (CMP) riser with a slide gate on the LS, 8 feet upstream from the siphon. 24-inch pipe from this unit enters the siphon behind the inlet structure. [Additional Reference(s): DWR Levee Log, 2002 (HLM 28.95), listed as a 48-inch reinforced concrete pipe (RCP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 28.95), listed as a 48-inch RCP referenced as Rodunder Siphon] FS Date: 7/20/2016 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62505_59410.jpg



Slide gate mounted to concrete headwall on LS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 29.05 | Rating ** | M | Issue No. | 1389 (cont) |
| LM End | 29.05 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62505_59409.jpg



24-inch PVC pipe sleeved through 48-inch concrete pipe.

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

Lower San Joaquin Levee District

Page 139 of 160

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 29.58 | Rating ** | M | Issue No. | 1390 |
| LM End | 29.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.021497 ° | 37.021497 ° |
| | | | | -120.434602 ° | -120.434602 ° |
| DWR ID | 19753 | | | | |

Comment Code

Inspector Comment

DS_ID:19753
FS_ID:62510
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 29.49), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 29.49), listed as a 36-inch CMP]
FS Date: 3/27/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 29.58 | Rating ** | M | Issue No. | 1390 (cont) |
| LM End | 29.58 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62510_59414.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62510_59413.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 29.58 | Rating ** | M | Issue No. | 1390 (cont) |
| LM End | 29.58 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.021497 ° | 37.021497 ° | |
| | | | -120.434602 ° | -120.434602 ° | |
| DWR ID | 19753 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62510_59415.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 29.82 | Rating ** | M | Issue No. | 1391 |
| LM End | 29.82 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.018505 ° | 37.018505 ° | |
| | | | -120.432544 ° | -120.432544 ° | |
| DWR ID | 19754 | | | | |

Comment Code

Inspector Comment

DS_ID:19754
 FS_ID:62511
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 29.72), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 29.72), listed as a 2.5-feet by 2.5-feet RCBC]
 FS Date: 3/27/2014

Photo 1 of 3 : UCIP_FA_2020_62511_59424.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 29.82 | Rating ** | M | Issue No. | 1391 (cont) | |
| LM End | 29.82 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.018505 ° | 37.018505 ° | |
| | | | | -120.432544 ° | -120.432544 ° | |
| DWR ID | 19754 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62511_59426.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 29.82 | Rating ** | M | Issue No. | 1391 (cont) |
| LM End | 29.82 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62511_59425.jpg



Concrete headwall on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 29.89 | Rating ** | M | Issue No. | 151 |
| LM End | 30.03 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.017670 ° | 37.015806 ° |
| | | | | -120.431940 ° | -120.430663 ° |
| DWR ID | DWR_NA0010_05_f_2020_151 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 29.89 | Rating ** | M | Issue No. | 16 |
| LM End | 29.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.017540 ° | 37.016636 ° |
| | | | | -120.431955 ° | -120.431243 ° |
| DWR ID | DWR_NA0010_05_s_2012_16 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 30.11 | Rating ** | M | Issue No. | 153 |
| LM End | 32.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.014813 ° | 36.987639 ° |
| | | | | -120.429981 ° | -120.400610 ° |
| DWR ID | DWR_NA0010_05_f_2020_153 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**** Rating**
 A : Acceptable 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 30.14 | Rating ** | M | Issue No. | 1392 |
| LM End | 30.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.014471 ° | 37.014471 ° |
| | | | | -120.429759 ° | -120.429759 ° |
| DWR ID | 19696 | | | | |

Comment Code

Inspector Comment

DS_ID:19696
FS_ID:62512
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 30.04), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 30.04), listed as a 2.5-feet by 2.5-feet RCBC]
FS Date: 3/27/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 30.14 | Rating ** | M | Issue No. | 1392 (cont) |
| LM End | 30.14 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62512_59430.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62512_59431.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 30.14 | Rating ** | M | Issue No. | 1392 (cont) | |
| LM End | 30.14 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.014471 ° | 37.014471 ° | |
| | | | | -120.429759 ° | -120.429759 ° | |
| DWR ID | 19696 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62512_59429.jpg



Concrete headwall on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 30.46 | Rating ** | M | Issue No. | 154 |
| LM End | 31.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.010485 ° | 36.994594 ° |
| | | | | -120.426874 ° | -120.408320 ° |
| DWR ID | DWR_NA0010_05_f_2020_154 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 30.56 | Rating ** | A/W | Issue No. | 107 |
| LM End | 30.56 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 37.009410 ° | 37.009410 ° |
| | | | | -120.425560 ° | -120.425560 ° |
| DWR ID | DWR_NA0010_05_R_2012_01 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:26 | | | | | |
| Site Designation:DWR_NA0010_05_R_2012_01 | | | | | |

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 31.06 | Rating ** | M | Issue No. | 1393 (cont) |
| LM End | 31.06 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.004212 ° | 37.004212 ° | |
| | | | -120.419178 ° | -120.419178 ° | |
| DWR ID | 19697 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62513_59434.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 31.30 | Rating ** | M | Issue No. | 1394 |
| LM End | 31.30 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.001754 ° | 37.001754 ° | |
| | | | -120.416254 ° | -120.416254 ° | |
| DWR ID | 19698 | | | | |

Comment Code

Inspector Comment

DS_ID:19698
 FS_ID:62514
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/27/2014 Excess vegetation buildup at inlet on LS toe. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 31.20), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 31.19), listed as a 2.5-feet by 2.5-feet RCBC]
 FS Date: 3/27/2014

Photo 1 of 3 : UCIP_FA_2020_62514_59439.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 31.30 | Rating ** | M | Issue No. | 1394 (cont) |
| LM End | 31.30 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.001754 ° | 37.001754 ° | |
| | | | -120.416254 ° | -120.416254 ° | |
| DWR ID | 19698 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62514_59440.jpg



Flapgate at concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 31.30 | Rating ** | M | Issue No. | 1394 (cont) |
| LM End | 31.30 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62514_59438.jpg



Concrete headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.66 | Rating ** | U | Issue No. | 230 |
| LM End | 31.66 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.997828 ° | 36.997828 ° |
| | | | | -120.411920 ° | -120.411920 ° |
| DWR ID | DWR_NA0010_05_s_2020_230 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent burrows in the waterside slope and shoulder. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_230_20200901_00038.jpg



Rodent burrows in 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.70 | Rating ** | U | Issue No. | 129 |
| LM End | 31.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.997410 ° | 36.997108 ° |
| | | | | -120.411437 ° | -120.411092 ° |
| DWR ID | DWR_NA0010_05_f_2020_129 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_129_20201028_00324.jpg



Several large rodent holes noted at this location. (Fall 2020)

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 31.74 | Rating ** | A/W | Issue No. | 1395 |
| LM End | 31.74 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.997001 ° | 36.997001 ° |
| | | | | -120.410991 ° | -120.410991 ° |
| DWR ID | 19699 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19699 FS_ID:62515 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch by 36-inch reinforced concrete box gravity drainage culvert through the levee, 14.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 31.64), listed as a 48-inch by 36-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 31.64), listed as a 4-feet by 3-feet RCBC] FS Date: 3/27/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62515_59444.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 31.74 | Rating ** | A/W | Issue No. | 1395 (cont) | |
| LM End | 31.74 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 36.997001 ° | 36.997001 ° | |
| | | | | -120.410991 ° | -120.410991 ° | |
| DWR ID | 19699 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62515_59442.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | 31.74 | Rating ** | A/W | Issue No. | 1395 (cont) |
| LM End | 31.74 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62515_59443.jpg



Concrete headwall on LS toe. Note tumbleweeds blocking inlet.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 31.80 | Rating ** | M | Issue No. | 1396 |
| LM End | 31.80 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.995029 ° | 36.995029 ° | |
| | | | -120.408914 ° | -120.408914 ° | |
| DWR ID | 19700 | | | | |

Comment Code

Inspector Comment

DS_ID:19700
FS_ID:62506
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 31.69), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 31.71), listed as a 2.6-feet by 2.6-feet RCBC]
FS Date: 4/1/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 31.80 | Rating ** | M | Issue No. | 1396 (cont) |
| LM End | 31.80 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62506_59686.jpg



Concrete headwall at channel on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62506_59687.jpg



Flapgate on Concrete headwall at channel on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.80 | Rating ** | M | Issue No. | 1396 (cont) |
| LM End | 31.80 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.995029 ° | 36.995029 ° |
| | | | | -120.408914 ° | -120.408914 ° |
| DWR ID | 19700 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62506_59685.jpg



Concrete headwall on LS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.84 | Rating ** | U | Issue No. | 155 |
| LM End | 34.84 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.994594 ° | 36.981425 ° |
| | | | | -120.408320 ° | -120.367711 ° |
| DWR ID | DWR_NA0010_05_f_2020_155 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_155_20201028_00325.jpg



Looking upstream along the waterside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.32 | Rating ** | M | Issue No. | 1397 |
| LM End | 32.32 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.989435 ° | 36.989435 ° |
| | | | | -120.402626 ° | -120.402626 ° |
| DWR ID | 19701 | | | | |

Comment Code

Inspector Comment

DS_ID:19701
FS_ID:62507
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/01/2014 Some silt buildup inside culvert. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end with flashboard attachment. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 32.22), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 32.22), listed as a 2.6-feet by 2.6-feet RCBC]
FS Date: 4/1/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 32.32 | Rating ** | M | Issue No. | 1397 (cont) |
| LM End | 32.32 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62507_59690.jpg



Concrete headwall at inlet on LS toe.

Photo 2 of 3 : UCIP_FA_2020_62507_59688.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 32.32 | Rating ** | M | Issue No. | 1397 (cont) | |
| LM End | 32.32 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.989435 ° | 36.989435 ° | |
| | | | | -120.402626 ° | -120.402626 ° | |
| DWR ID | 19701 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62507_59689.jpg



Concrete headwall at outlet on WS toe.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.48 | Rating ** | U | Issue No. | 156 |
| LM End | 34.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.987639 ° | 36.981426 ° |
| | | | | -120.400610 ° | -120.367710 ° |
| DWR ID | DWR_NA0010_05_f_2020_156 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_156_20201028_00326.jpg



Looking upstream along the landside slope. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 33.11 | Rating ** | M | Issue No. | 1398 | |
| LM End | 33.11 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.980861 ° | 36.980861 ° | |
| | | | | -120.393116 ° | -120.393116 ° | |
| DWR ID | 19702 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19702 FS_ID:62508 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup blocking landward headwall--recommend contacting owner to clear debris. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 33.02), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 33.01), listed as a 2.6-feet by 2.6-feet RCBC] FS Date: 4/1/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62508_59697.jpg



Concrete headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 33.11 | Rating ** | M | Issue No. | 1398 (cont) |
| LM End | 33.11 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62508_59699.jpg



Flapgate on Concrete headwall at WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

Page 156 of 160

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 33.81 | Rating ** | M | Issue No. | 1399 (cont) |
| LM End | 33.81 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.976808 ° | 36.976808 ° | |
| | | | -120.382593 ° | -120.382593 ° | |
| DWR ID | 19703 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62509_59700.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 33.81 | Rating ** | M | Issue No. | 1399 (cont) |
| LM End | 33.81 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62509_59702.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 33.82 | Rating ** | M | Issue No. | 130 |
| LM End | 33.82 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.976849 ° | 36.976849 ° |
| | | | | -120.382393 ° | -120.382393 ° |
| DWR ID | DWR_NA0010_05_f_2017_130 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_130_20200901_00014.jpg



Looking east at the landside shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 34.26 | Rating ** | M | Issue No. | 176 |
| LM End | 34.50 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 36.978510 ° | 36.978504 ° |
| | | | | -120.374796 ° | -120.370342 ° |
| DWR ID | DWR_NA0010_05_f_2019_176 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 34.61 | Rating ** | M | Issue No. | 11 |
| LM End | 34.61 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.978523 ° | 36.978523 ° |
| | | | | -120.368520 ° | -120.368520 ° |
| DWR ID | DWR_NA0010_05_s_2012_11 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| There is an unauthorized ramp on waterside slope. Landowner cut unauthorized ramp on waterside slope and levee crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_123_11_20200901_00005.jpg



Looking west at ramp on waterward slope.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 34.61 | Rating ** | M | Issue No. | 1400 | |
| LM End | 34.61 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.978593 ° | 36.978593 ° | |
| | | | | -120.368511 ° | -120.368511 ° | |
| DWR ID | 19755 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19755 FS_ID:62525 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Debris buildup visible on waterward headwall--recommend contacting owner to clear pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: [Chowchilla Canal Irrigation Structure] 36-inch by 36-inch reinforced concrete box gravity irrigation culvert through the levee, 9.7 feet below the crown. Slide gate in a 56-inch by 91-inch concrete riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002 (HLM 34.51), listed as a 36-inch square reinforced concrete box culvert (RCBC) referenced as the Chowchilla Canal Irrigation Structure. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 34.51), listed as a 3-feet by 3-feet RCBC referenced as the Chowchilla Canal Irrigation Structure] FS Date: 4/1/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 34.61 | Rating ** | M | Issue No. | 1400 (cont) |
| LM End | 34.61 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62525_59706.jpg



Slide gate in concrete riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2020_62525_59704.jpg



Concrete headwall at LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 05 East Side Bypass | Right | 34.85 | 10/14/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|--------------------|
| LM Start | 34.61 | Rating ** | M | Issue No. | 1400 (cont) |
| LM End | 34.61 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.978593 ° | 36.978593 ° |
| | | | | -120.368511 ° | -120.368511 ° |
| DWR ID | 19755 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62525_59705.jpg



Concrete headwall at LS 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 06 East Side Bypass | | | Left | 36.47 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/22/2020 - 4/23/2020 | | 10/21/2020 - 10/23/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.08 | Rating ** | M | Issue No. | 61 |
| LM End | 0.08 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.275835 ° | 37.275835 ° |
| | | | | -120.824517 ° | -120.824517 ° |
| DWR ID | DWR_NA0010_06_s_2020_61 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.46 | Rating ** | M | Issue No. | 94 |
| LM End | 0.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.273362 ° | 37.273362 ° |
| | | | | -120.818471 ° | -120.818471 ° |
| DWR ID | DWR_NA0010_06_f_2018_94 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 1212 |
| LM End | 0.66 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.271444 ° | 37.271444 ° |
| | | | | -120.815835 ° | -120.815835 ° |
| DWR ID | 19815 | | | | |

Comment Code

Inspector Comment

DS_ID:19815
FS_ID:62229
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup on landward side. Recommend removing sediment buildup on landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 7.2 feet below the crown. Pump on concrete structure in the channel. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 0.74), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 1212 (cont) |
| LM End | 0.66 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62229_66341.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62229_66343.jpg



View of slope on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.66 | Rating ** | M | Issue No. | 1212 (cont) |
| LM End | 0.66 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.271444 ° | 37.271444 ° | |
| | | | -120.815835 ° | -120.815835 ° | |
| DWR ID | 19815 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62229_66342.jpg



Pump station visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 0.78 | Rating ** | M | Issue No. | 1213 |
| LM End | 0.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.270460 ° | 37.270460 ° | |
| | | | -120.814290 ° | -120.814290 ° | |
| DWR ID | 19816 | | | | |

Comment Code

Inspector Comment

DS_ID:19816
 FS_ID:62230
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Landward side blocked--need to contact owner to determine status of crossing. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.86), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 0.86), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62230_66346.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 0.78 | Rating ** | M | Issue No. | 1213 (cont) |
| LM End | 0.78 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.270460 ° | 37.270460 ° | |
| | | | -120.814290 ° | -120.814290 ° | |
| DWR ID | 19816 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62230_66345.jpg



Concrete structure located on waterward toe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 0.78 | Rating ** | M | Issue No. | 1213 (cont) |
| LM End | 0.78 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62230_66344.jpg



View of landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.18 | Rating ** | U | Issue No. | 93 |
| LM End | 1.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.267101 ° | 37.267101 ° |
| | | | | -120.809603 ° | -120.809603 ° |
| DWR ID | DWR_NA0010_06_f_2018_93 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent burrows including large burrows were observed at this location. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_93_20200901_00026.jpg



View of landside slope. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.84 | Rating ** | M | Issue No. | 125 |
| LM End | 1.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.259527 ° | 37.259527 ° |
| | | | | -120.803300 ° | -120.803300 ° |
| DWR ID | DWR_NA0010_06_s_2012_125 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.87 | Rating ** | M | Issue No. | 1214 | |
| LM End | 1.87 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.259312 ° | 37.259312 ° | |
| | | | | -120.802863 ° | -120.802863 ° | |
| DWR ID | 19817 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19817 FS_ID:62231 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 No access was available to landward side due to fence. Recommend removing some of the vegetation on waterward toe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.96), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 1.95), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62231_66348.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 1.87 | Rating ** | M | Issue No. | 1214 (cont) |
| LM End | 1.87 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.259312 ° | 37.259312 ° | |
| | | | -120.802863 ° | -120.802863 ° | |
| DWR ID | 19817 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62231_66350.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 1.87 | Rating ** | M | Issue No. | 1214 (cont) |
| LM End | 1.87 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62231_66349.jpg



Flap gate visible on waterward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.42 | Rating ** | U | Issue No. | 92 |
| LM End | 2.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.254519 ° | 37.254519 ° |
| | | | | -120.795141 ° | -120.795141 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_92 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_92_20200901_00025.jpg



View of large rodent holes in landside slope. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.53 | Rating ** | M | Issue No. | 1215 | |
| LM End | 2.53 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.252948 ° | 37.252948 ° | |
| | | | | -120.794352 ° | -120.794352 ° | |
| DWR ID | 19818 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19818 | | | | | | |
| FS_ID:62242 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side. (O. Magana - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.9 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.61), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 2.61), listed as a 36-inch CMP] | | | | | | |
| FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62242_66354.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 1215 (cont) |
| LM End | 2.53 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62242_66357.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.53 | Rating ** | M | Issue No. | 1215 (cont) |
| LM End | 2.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252948 ° | 37.252948 ° |
| | | | | -120.794352 ° | -120.794352 ° |
| DWR ID | 19818 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62242_66356.jpg



CMP riser, concrete headwall, and pipe visible on waterward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.54 | Rating ** | M | Issue No. | 76 |
| LM End | 2.54 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.252874 ° | 37.252874 ° |
| | | | | -120.794192 ° | -120.794192 ° |
| DWR ID | DWR_NA0010_06_f _ 2016_76 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent burrows in the landside slope at this location. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_76_20200901_00013.jpg



Representative view of rodent burrow found at this section. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 1216 |
| LM End | 2.57 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252743 ° | 37.252743 ° |
| | | | | -120.793756 ° | -120.793756 ° |
| DWR ID | 19819 | | | | |

Comment Code

Inspector Comment

DS_ID:19819
FS_ID:62233
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 2.65), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 1216 (cont) |
| LM End | 2.57 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62233_66362.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2020_62233_66360.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 1216 (cont) |
| LM End | 2.57 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.252743 ° | 37.252743 ° | |
| | | | -120.793756 ° | -120.793756 ° | |
| DWR ID | 19819 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62233_66359.jpg



View of concrete headwall, flap gate, and concrete apron located on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 2.77 | Rating ** | M | Issue No. | 1217 |
| LM End | 2.77 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.253020 ° | 37.253020 ° | |
| | | | -120.790219 ° | -120.790219 ° | |
| DWR ID | 19820 | | | | |

Comment Code

Inspector Comment

DS_ID:19820
 FS_ID:62234
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 2.85), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62234_66369.jpg



View of waterward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.77 | Rating ** | M | Issue No. | 1217 (cont) |
| LM End | 2.77 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.253020 ° | 37.253020 ° |
| | | | | -120.790219 ° | -120.790219 ° |
| DWR ID | 19820 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62234_66368.jpg



Overview of levee crown at crossing.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 2.77 | Rating ** | M | Issue No. | 1217 (cont) |
| LM End | 2.77 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62234_66372.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.01 | Rating ** | M | Issue No. | 1218 |
| LM End | 3.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.253811 ° | 37.253811 ° |
| | | | | -120.786059 ° | -120.786059 ° |
| DWR ID | 19821 | | | | |

Comment Code

Inspector Comment

DS_ID:19821
FS_ID:62236
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.09), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.01 | Rating ** | M | Issue No. | 1218 (cont) |
| LM End | 3.01 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62236_66381.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62236_66380.jpg



Flap gate and concrete headwall visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.01 | Rating ** | M | Issue No. | 1218 (cont) |
| LM End | 3.01 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.253811 ° | 37.253811 ° | |
| | | | -120.786059 ° | -120.786059 ° | |
| DWR ID | 19821 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62236_66383.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 3.21 | Rating ** | M | Issue No. | 1219 |
| LM End | 3.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.253513 ° | 37.253513 ° | |
| | | | -120.782509 ° | -120.782509 ° | |
| DWR ID | 19822 | | | | |

Comment Code

Inspector Comment

DS_ID:19822
 FS_ID:62237
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on waterward slope and landward toe (headwall blocked by dense vegetation). Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.29), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.29), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62237_66384.jpg



Overview of levee crown and landward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.21 | Rating ** | M | Issue No. | 1219 (cont) |
| LM End | 3.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.253513 ° | 37.253513 ° | |
| | | | -120.782509 ° | -120.782509 ° | |
| DWR ID | 19822 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62237_66386.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.21 | Rating ** | M | Issue No. | 1219 (cont) |
| LM End | 3.21 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62237_66385.jpg



Crossing goes through the levee at an angle. Flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.38 | Rating ** | M | Issue No. | 1220 | |
| LM End | 3.38 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.252152 ° | 37.252152 ° | |
| | | | | -120.779969 ° | -120.779969 ° | |
| DWR ID | 19823 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19823 FS_ID:62243 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Alignment of crossing unknown--altered crossing. No headwall found on landward side only siphon breaker found a short distance from landward toe. Tall grass observed on waterward slope and some burrow activity also noticed. Need to contact owner to determine alignment of crossing and status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Bench mark (BM) stamped 9770-152 on top of the WS headwall. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.44), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.43), listed as a 36-inch CMP] FS Date: 4/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.38 | Rating ** | M | Issue No. | 1220 (cont) |
| LM End | 3.38 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62243_66389.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2020_62243_66390.jpg



Flap gate and concrete headwall visible on waterward side.

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

Lower San Joaquin Levee District

Page 16 of 94

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.42 | Rating ** | M | Issue No. | 1221 (cont) | |
| LM End | 3.42 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.251902 ° | 37.251902 ° | |
| | | | | -120.779391 ° | -120.779391 ° | |
| DWR ID | 19824 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62240_71644.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.42 | Rating ** | M | Issue No. | 1221 (cont) |
| LM End | 3.42 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62240_71642.jpg



Metal box located on waterward shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.47 | Rating ** | M | Issue No. | 1222 |
| LM End | 3.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251687 ° | 37.251687 ° |
| | | | | -120.778534 ° | -120.778534 ° |
| DWR ID | 19825 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19825 FS_ID:62241 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup inside pipe visible from landward side. Excess soil is also present on landward toe partially blocking concrete headwall and inlet. Recommend removing soil from landward toe and clear buildup inside. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.8 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on each end. Pipe connects to a 30-inch steel drainage pipe on the WS. Drainage pipe extends to the pump on the WS on a support platform in the channel. (Extension drainage pipe and pump installed under Permit No. 12527, 1979 - Joseph Gallo). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.54), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.54), listed as a 36-inch CMP] FS Date: 4/18/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.47 | Rating ** | M | Issue No. | 1222 (cont) |
| LM End | 3.47 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62241_66394.jpg



View of waterward side--cmp riser and concrete headwall visible.

Photo 2 of 3 : UCIP_FA_2020_62241_66395.jpg



Inside view of cmp riser located on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.47 | Rating ** | M | Issue No. | 1222 (cont) |
| LM End | 3.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251687 ° | 37.251687 ° |
| | | | | -120.778534 ° | -120.778534 ° |
| DWR ID | 19825 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62241_66397.jpg



Inside view of pipe from waterward side.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.49 | Rating ** | A/W | Issue No. | 67 |
| LM End | 3.49 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.251602 ° | 37.251602 ° |
| | | | | -120.778118 ° | -120.778118 ° |
| DWR ID | DWR_NA0010_06_f_2017_67 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_67_20200901_00007.jpg



Looking east at the landside slope.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.69 | Rating ** | M | Issue No. | 1223 |
| LM End | 3.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251199 ° | 37.251199 ° |
| | | | | -120.774474 ° | -120.774474 ° |
| DWR ID | 19826 | | | | |

Comment Code

Inspector Comment

DS_ID:19826
FS_ID:62244
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.77), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.69 | Rating ** | M | Issue No. | 1223 (cont) |
| LM End | 3.69 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62244_66413.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62244_66412.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|-------------|---------------|
| LM Start | 3.69 | Rating ** | M | Issue No. | 1223 (cont) | |
| LM End | 3.69 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251199 ° | | 37.251199 ° |
| | | | | -120.774474 ° | | -120.774474 ° |
| DWR ID | 19826 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62244_66411.jpg



View of flap gate visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.89 | Rating ** | M | Issue No. | 1224 |
| LM End | 3.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.250742 ° | 37.250742 ° |
| | | | | -120.771026 ° | -120.771026 ° |
| DWR ID | 19827 | | | | |

Comment Code

Inspector Comment

DS_ID:19827
 FS_ID:62245
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Sediment buildup inside crossing and is visible from landward side. Recommend clearing sediment buildup inside pipe and check wall integrity to determine condition. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 6.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.98), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 3.97), listed as a 36-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62245_66407.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 3.89 | Rating ** | M | Issue No. | 1224 (cont) |
| LM End | 3.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.250742 ° | 37.250742 ° | |
| | | | -120.771026 ° | -120.771026 ° | |
| DWR ID | 19827 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62245_66406.jpg



Slide gate inside CMP riser visible on waterward slope.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 3.89 | Rating ** | M | Issue No. | 1224 (cont) |
| LM End | 3.89 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62245_66410.jpg



Inside view of CMP riser located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 4.09 | Rating ** | M | Issue No. | 1225 |
| LM End | 4.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.248353 ° | 37.248353 ° | |
| | | | -120.768922 ° | -120.768922 ° | |
| DWR ID | 19828 | | | | |

Comment Code

Inspector Comment

DS_ID:19828
FS_ID:62246
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.17), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.17), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.09 | Rating ** | M | Issue No. | 1225 (cont) |
| LM End | 4.09 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62246_66418.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62246_66417.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 4.09 | Rating ** | M | Issue No. | 1225 (cont) | |
| LM End | 4.09 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.248353 ° | 37.248353 ° | |
| | | | | -120.768922 ° | -120.768922 ° | |
| DWR ID | 19828 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62246_66416.jpg



Concrete headwall visible on landward side.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.33 | Rating ** | M | Issue No. | 1226 |
| LM End | 4.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.246459 ° | 37.246459 ° |
| | | | | -120.765470 ° | -120.765470 ° |
| DWR ID | 19829 | | | | |

Comment Code

Inspector Comment

DS_ID:19829
 FS_ID:62247
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe condition on landward toe--headwall blocked by dense vegetation. Recommend removing vegetation from landward toe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.41), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 2 : UCIP_FA_2020_62247_66422.jpg



View of waterward side--concrete headwall and flap gate visible.

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.62 | Rating ** | M | Issue No. | 1227 (cont) |
| LM End | 4.62 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.243946 ° | 37.243946 ° |
| | | | | -120.761296 ° | -120.761296 ° |
| DWR ID | 19830 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62248_66426.jpg



Inside view of CMP riser located on waterward.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.62 | Rating ** | M | Issue No. | 1227 (cont) |
| LM End | 4.62 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62248_66424.jpg



Inside view of pipe from waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.67 | Rating ** | M | Issue No. | 1228 |
| LM End | 4.67 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.243408 ° | 37.243408 ° |
| | | | | -120.760564 ° | -120.760564 ° |
| DWR ID | 19831 | | | | |

Comment Code

Inspector Comment

DS_ID:19831
FS_ID:62249
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Need to contact owner. Recommend removing tall grass on landward toe to determine condition of crossing from landward side. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.75), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.75), listed as a 24-inch CMP]
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.67 | Rating ** | M | Issue No. | 1228 (cont) |
| LM End | 4.67 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62249_66433.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62249_66432.jpg



Flap gate, concrete headwall and apron visible on waterward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 4.67 | Rating ** | M | Issue No. | 1228 (cont) | |
| LM End | 4.67 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.243408 ° | 37.243408 ° | |
| | | | | -120.760564 ° | -120.760564 ° | |
| DWR ID | 19831 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62249_66431.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.86 | Rating ** | M | Issue No. | 1229 |
| LM End | 4.86 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.242024 ° | 37.242024 ° |
| | | | | -120.757602 ° | -120.757602 ° |
| DWR ID | 19862 | | | | |

Comment Code

Inspector Comment

DS_ID:19862
 FS_ID:62250
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along waterward slope to conduct proper inspection of structure. Also recommend removing dense vegetation blocking landward headwall. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.95), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 4.94), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62250_66436.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.86 | Rating ** | M | Issue No. | 1229 (cont) |
| LM End | 4.86 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.242024 ° | 37.242024 ° |
| | | | | -120.757602 ° | -120.757602 ° |
| DWR ID | 19862 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62250_66438.jpg



View of flap gate, concrete headwall and apron located on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 4.86 | Rating ** | M | Issue No. | 1229 (cont) |
| LM End | 4.86 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62250_66437.jpg



Close up of flap gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 1230 |
| LM End | 5.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.239098 ° | 37.239098 ° |
| | | | | -120.751774 ° | -120.751774 ° |
| DWR ID | 19863 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19863 FS_ID:62251 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Clear vegetation from waterward slope and landward headwall. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.35), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 5.34), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62251_61599.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 1230 (cont) |
| LM End | 5.26 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62251_61598.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 1230 (cont) |
| LM End | 5.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.239098 ° | 37.239098 ° | |
| | | | -120.751774 ° | -120.751774 ° | |
| DWR ID | 19863 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62251_61597.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 5.55 | Rating ** | M | Issue No. | 1231 |
| LM End | 5.55 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.238610 ° | 37.238610 ° | |
| | | | -120.746591 ° | -120.746591 ° | |
| DWR ID | 19864 | | | | |

Comment Code

Inspector Comment

DS_ID:19864
 FS_ID:62252
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Also recommend removing excess vegetation at landward headwall. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.63), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 5.63), listed as a 24-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62252_66441.jpg



Concrete headwall and flap gate visible on waterward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 5.55 | Rating ** | M | Issue No. | 1231 (cont) | |
| LM End | 5.55 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.238610 ° | 37.238610 ° | |
| | | | | -120.746591 ° | -120.746591 ° | |
| DWR ID | 19864 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62252_66440.jpg



View of waterward side--dense vegetation covers slope.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 5.55 | Rating ** | M | Issue No. | 1231 (cont) |
| LM End | 5.55 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62252_66439.jpg



View of landward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.77 | Rating ** | M | Issue No. | 66 |
| LM End | 5.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.238354 ° | 37.238354 ° |
| | | | | -120.742480 ° | -120.742480 ° |
| DWR ID | DWR_NA0010_06_f _ 2017_66 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is damage to the landside slope and shoulder from livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_66_20200901_00006.jpg



View of damage to landside slope from livestock traffic looking downstream. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.93 | Rating ** | M | Issue No. | 69 |
| LM End | 7.09 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.236936 ° | 37.226800 ° |
| | | | | -120.740384 ° | -120.724736 ° |
| DWR ID | DWR_NA0010_06_f_2015_69 | | | | |
| Comment Code | | | | | |
| PO : Pole | | | | | |
| Inspector Comment | | | | | |
| There are several PG&E poles within this section at the landside toe and slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_69_20201028_00178.jpg



Looking downstream at PG&E poles on the landside slope and toe. (Fall 2020)

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 5.98 | Rating ** | A/W | Issue No. | 1232 |
| LM End | 5.98 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.236414 ° | 37.236414 ° |
| | | | | -120.739735 ° | -120.739735 ° |
| DWR ID | 19865 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19865 FS_ID:62253 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: 7/19/2016 Site has been repaired on WS and LS (see photos below). (O. Magana - DWR UCIP)5/26/2016 Erosion is undermining the WS headwall of drainage structure (photos of WS headwall provided by DWR Inspector R. Willoughby). Potential pipe failure at the outlet just behind headwall, recommend completing internal wall integrity of pipe length through levee to determine extent of damage to pipe. (O. Magana - DWR UCIP)4/18/2014 Need to contact owner. Sediment buildup in pipe visible on landside-- recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.06), listed as a 24-inch CMP] FS Date: 7/19/2016 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62253_75493.jpg



View of WS--rock protection along drainage path.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 5.98 | Rating ** | A/W | Issue No. | 1232 (cont) | |
| LM End | 5.98 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.236414 ° | 37.236414 ° | |
| | | | | -120.739735 ° | -120.739735 ° | |
| DWR ID | 19865 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62253_75488.jpg



WS drainage path protected by rip rap.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 5.98 | Rating ** | A/W | Issue No. | 1232 (cont) |
| LM End | 5.98 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62253_75489.jpg



Inside view of pipe from WS.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.06 | Rating ** | M | Issue No. | 22 |
| LM End | 6.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.235777 ° | 37.235777 ° |
| | | | | -120.738598 ° | -120.738598 ° |
| DWR ID | DWR_NA0010_06_s_2012_22 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.09 | Rating ** | M | Issue No. | 21 |
| LM End | 6.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.235623 ° | 37.235623 ° |
| | | | | -120.738017 ° | -120.738017 ° |
| DWR ID | DWR_NA0010_06_s_2012_21 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.09 | Rating ** | M | Issue No. | 85 |
| LM End | 6.09 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.235572 ° | 37.235572 ° |
| | | | | -120.738002 ° | -120.738002 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_85 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Livestock damage to slope and shoulder of levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_85_20200901_00021.jpg



View of livestock damage on waterside slope. (Fall 2018)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.10 | Rating ** | M | Issue No. | 84 |
| LM End | 6.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.235570 ° | 37.235570 ° |
| | | | | -120.737998 ° | -120.737998 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_84 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage to slope and crown from livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_84_20200901_00020.jpg



Erosion to slope and into crown from livestock. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 6.70 | Rating ** | A/W | Issue No. | 1233 |
| LM End | 6.70 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.230508 ° | 37.230508 ° |
| | | | | -120.729634 ° | -120.729634 ° |
| DWR ID | 19866 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19866 FS_ID:62258 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete saddle and apron on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.79), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 6.70 | Rating ** | A/W | Issue No. | 1233 (cont) |
| LM End | 6.70 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62258_61628.jpg



Slide gate inside CMP riser and pipe visible on waterward side.

Photo 2 of 3 : UCIP_FA_2020_62258_61627.jpg



Concrete headwall visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 6.70 | Rating ** | A/W | Issue No. | 1233 (cont) |
| LM End | 6.70 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.230508 ° | 37.230508 ° | |
| | | | -120.729634 ° | -120.729634 ° | |
| DWR ID | 19866 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62258_61626.jpg



Inside view pipe from waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 6.89 | Rating ** | A/W | Issue No. | 1234 |
| LM End | 6.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.228253 ° | 37.228253 ° | |
| | | | -120.727865 ° | -120.727865 ° | |
| DWR ID | 19867 | | | | |

Comment Code

Inspector Comment

DS_ID:19867
 FS_ID:62255
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.97), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 6.97), listed as a 36-inch CMP]
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62255_61640.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 6.89 | Rating ** | A/W | Issue No. | 1234 (cont) |
| LM End | 6.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.228253 ° | 37.228253 ° | |
| | | | -120.727865 ° | -120.727865 ° | |
| DWR ID | 19867 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62255_61639.jpg



Concrete headwall and CMP riser visible on waterward side.

| | | | | | |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | 6.92 | Rating ** | A/W | Issue No. | 1234 (cont) |
| LM End | 6.92 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62255_61638.jpg



View of landward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.92 | Rating ** | M | Issue No. | 79 |
| LM End | 6.92 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.228054 ° | 37.228054 ° |
| | | | | -120.727428 ° | -120.727428 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_79 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is livestock damage to slope and shoulder of levee. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_79_20201028_00179.jpg



View down the landside slope of damage from livestock. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 7.10 | Rating ** | A/W | Issue No. | 7 |
| LM End | 7.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.226675 ° | 37.226675 ° |
| | | | | -120.724498 ° | -120.724498 ° |
| DWR ID | DWR_NA0010_06_s_2012_7 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|------|---------------|
| LM Start | 7.21 | Rating ** | M | Issue No. | 1235 | |
| LM End | 7.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.226102 ° | | 37.226102 ° |
| | | | | -120.722739 ° | | -120.722739 ° |
| DWR ID | 19868 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19868 FS_ID:62256 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Clear animal from waterward side. Some sediment buildup in pipe visible landward side--recommend clearing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.29), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 7.29), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62256_61650.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.21 | Rating ** | M | Issue No. | 1235 (cont) | |
| LM End | 7.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.226102 ° | 37.226102 ° | |
| | | | | -120.722739 ° | -120.722739 ° | |
| DWR ID | 19868 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62256_61649.jpg



Concrete headwall and flap gate visible on waterward side. Dead animal inside pipe.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.21 | Rating ** | M | Issue No. | 1235 (cont) |
| LM End | 7.21 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62256_61648.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.66 | Rating ** | M | Issue No. | 1236 | |
| LM End | 7.66 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.222743 ° | 37.222743 ° | |
| | | | | -120.716416 ° | -120.716416 ° | |
| DWR ID | 19869 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19869 | | | | | | |
| FS_ID:62257 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 04/18/2014 Some sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. Skewed crossing. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.74), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 7.74), listed as a 24-inch CMP] | | | | | | |
| FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62257_66462.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 7.66 | Rating ** | M | Issue No. | 1236 (cont) |
| LM End | 7.66 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62257_66461.jpg



Pipe crosses levee at an angle.

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 8.13 | Rating ** | M | Issue No. | 1237 | |
| LM End | 8.13 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.216547 ° | 37.216547 ° | |
| | | | | -120.713000 ° | -120.713000 ° | |
| DWR ID | 19870 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19870 FS_ID:62259 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Sediment buildup in pipe--recommend contacting owner to clear sediment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.22), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 8.21), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62259_61674.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.13 | Rating ** | M | Issue No. | 1237 (cont) |
| LM End | 8.13 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62259_61673.jpg



Pipe crosses levee at an angle.

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|------|---------------|
| LM Start | 8.43 | Rating ** | M | Issue No. | 1238 | |
| LM End | 8.43 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.213288 ° | | 37.213288 ° |
| | | | | -120.709503 ° | | -120.709503 ° |
| DWR ID | 19871 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19871 FS_ID:62260 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Sediment buildup in pipe visible on landward side--recommend clearing. Good candidate for pressure test or video inspection due to signs of heavy corrosion. If no leaks after tests this crossing would be a good candidate for rehabilitation. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.51), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SRJ601.1), 1967, Revised 25 May 2011, (HLM 8.51), listed as a 24-inch CMP] FS Date: 4/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 8.43 | Rating ** | M | Issue No. | 1238 (cont) |
| LM End | 8.43 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62260_61685.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62260_61684.jpg



View of landward side.

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

Lower San Joaquin Levee District

Lower San Joaquin Levee District

Page 47 of 94

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.56 | Rating ** | M | Issue No. | 1240 (cont) |
| LM End | 9.56 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.202014 ° | 37.202014 ° |
| | | | | -120.694820 ° | -120.694820 ° |
| DWR ID | 19873 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62262_72921.jpg



Concrete box located on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 9.56 | Rating ** | M | Issue No. | 1240 (cont) |
| LM End | 9.56 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62262_72920.jpg



Trash gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.59 | Rating ** | M | Issue No. | 1241 |
| LM End | 9.59 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.201544 ° | 37.201544 ° |
| | | | | -120.694865 ° | -120.694865 ° |
| DWR ID | 19742 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19742 FS_ID:62263 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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). (O. Magana - DWR UCIP) 04/21/2014 Accidentally missed--need photos (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.64), listed as Mariposa Bypass Control Structure] FS Date: 4/21/2014 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.59 | Rating ** | M | Issue No. | 1242 |
| LM End | 9.59 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.201544 ° | 37.201544 ° |
| | | | | -120.694870 ° | -120.694870 ° |
| DWR ID | 19739 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19739 FS_ID:62264 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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). (O. Magana - DWR UCIP) 04/21/2014 Accidentally missed--need photos. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 2 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.59 | Rating ** | M | Issue No. | 1243 | |
| LM End | 9.59 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.201544 ° | 37.201544 ° | |
| | | | | -120.694870 ° | -120.694870 ° | |
| DWR ID | 19740 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19740 FS_ID:62265 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 3 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014 | | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.60 | Rating ** | M | Issue No. | 1244 | |
| LM End | 9.60 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.201544 ° | 37.201544 ° | |
| | | | | -120.694870 ° | -120.694870 ° | |
| DWR ID | 19741 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19741 FS_ID:47015 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 4 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014 | | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.60 | Rating ** | M | Issue No. | 1245 | |
| LM End | 9.60 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.201544 ° | 37.201544 ° | |
| | | | | -120.694870 ° | -120.694870 ° | |
| DWR ID | 19558 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19558 FS_ID:47013 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 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) 04/21/2014 Accidentally missed--need photos (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: [Mariposa Bypass Structure] 5 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002. USACE San Joaquin O&M Manual 601.2, 1969]. FS Date: 4/21/2014 | | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.66 | Rating ** | M | Issue No. | 1246 |
| LM End | 9.66 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.200948 ° | 37.200948 ° |
| | | | | -120.694362 ° | -120.694362 ° |
| DWR ID | 19874 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19874 FS_ID:62266 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Waterward side not visible--need to determine alignment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Slide gate in a concrete diversion box on the waterside (WS) shoulder. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.76), listed as a 36-inch corrugated metal pipe (CMP)]. FS Date: 4/17/2014 | | | | | |

Photo 1 of 2 : UCIP_FA_2020_62266_61691.jpg



View of landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | 9.66 | Rating ** | M | Issue No. | 1246 (cont) |
| LM End | 9.66 | Issue Type + | En | Location * | |

Photo 2 of 2 : UCIP_FA_2020_62266_61690.jpg



Pipe, slide gate, and concrete headwall visible on landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.71 | Rating ** | M | Issue No. | 103 |
| LM End | 9.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.200836 ° | 37.200836 ° |
| | | | | -120.693406 ° | -120.693406 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_103 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_103_20201028_00181.jpg



Rodent holes in the landside slope. (Fall 2020)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.12 | Rating ** | U | Issue No. | 102 |
| LM End | 10.12 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.196845 ° | 37.196845 ° |
| | | | | -120.687892 ° | -120.687892 ° |
| DWR ID | DWR_NA0010_06_f_2020_102 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_102_20201028_00182.jpg



View of large animal burrow in the landside slope. (Fall 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.49 | Rating ** | M | Issue No. | 14 |
| LM End | 11.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 37.186189 ° | 37.186189 ° |
| | | | | -120.668476 ° | -120.668476 ° |
| DWR ID | DWR_NA0010_06_s_2015_14 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| Inspector Comment | | | | | |
| Almond tree located along Sandy Mush Road on waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_14_20200901_00003.jpg



Looking west at tree on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 11.56 | Rating ** | M | Issue No. | 1247 |
| LM End | 11.56 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.186227 ° | 37.186227 ° |
| | | | | -120.667337 ° | -120.667337 ° |
| DWR ID | 19875 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19875 FS_ID:62267 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 04/17/2014 Unable to stop--high traffic area--safety issue. Crossing needs to be evaluated. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002[Mariposa Bypass Structure] 2 of 6: Approximately 14 reinforced concrete box gravity drainage culverts of an unknown size across the intersection of the Mariposa Bypass and the Eastside Bypass. Roadway across structure. Controlled slide gates on end four culverts, both sides. Wing wall on each side of the structure. Rock revetment immediately downstream of the structure. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 11.64), listed as a 24-inch CMP]. FS Date: 4/17/2014 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 11.74 | Rating ** | M | Issue No. | 1248 | |
| LM End | 11.74 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.185513 ° | 37.185513 ° | |
| | | | | -120.664561 ° | -120.664561 ° | |
| DWR ID | 19876 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19876 FS_ID:62268 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Clear debris from waterward and landward toes. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 17 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 11.83), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 11.82), listed as a 36-inch CMP]. FS Date: 4/17/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62268_66488.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 11.74 | Rating ** | M | Issue No. | 1248 (cont) |
| LM End | 11.74 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62268_66487.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.74 | Rating ** | M | Issue No. | 1248 (cont) |
| LM End | 11.74 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.185513 ° | 37.185513 ° |
| | | | | -120.664561 ° | -120.664561 ° |
| DWR ID | 19876 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62268_66486.jpg



Slide gate inside CMP riser located on waterward slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.00 | Rating ** | M | Issue No. | 100 |
| LM End | 12.65 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.181784 ° | 37.172307 ° |
| | | | | -120.664553 ° | -120.664601 ° |
| DWR ID | DWR_NA0010_06_f_2020_100 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**** Rating**
A : Acceptable 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.22 | Rating ** | M | Issue No. | 1249 |
| LM End | 13.22 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.171675 ° | 37.171675 ° |
| | | | | -120.655064 ° | -120.655064 ° |
| DWR ID | 19877 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19877 FS_ID:62270 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.91), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 13.30), listed as a 24-inch CMP]. FS Date: 4/17/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62270_66492.jpg



View of levee crown at crossing.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 13.22 | Rating ** | M | Issue No. | 1249 (cont) |
| LM End | 13.22 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62270_66494.jpg



View of waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 13.22 | Rating ** | M | Issue No. | 1249 (cont) |
| LM End | 13.22 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.171675 ° | 37.171675 ° | |
| | | | -120.655064 ° | -120.655064 ° | |
| DWR ID | 19877 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62270_66495.jpg



Inside view of CMP riser located on waterward slope.

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.23 | Rating ** | C | Issue No. | 88 |
| LM End | 13.23 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.171678 ° | 37.171678 ° |
| | | | | -120.654920 ° | -120.654920 ° |
| DWR ID | DWR_NA0010_06_s_2018_88 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.24 | Rating ** | M | Issue No. | 68 |
| LM End | 13.24 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.171686 ° | 37.171686 ° |
| | | | | -120.654562 ° | -120.654562 ° |
| DWR ID | DWR_NA0010_06_f _ 2015_68 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| Landowner stockpiled dirt at landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_68_20201028_00183.jpg



Looking downstream at dirt stockpile on the landside toe. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.48 | Rating ** | C | Issue No. | 116 |
| LM End | 13.48 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.171651 ° | 37.171651 ° |
| | | | | -120.650354 ° | -120.650354 ° |
| DWR ID | DWR_NA0010_06_s_2019_116 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.36 | Rating ** | M | Issue No. | 1250 |
| LM End | 14.36 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.167888 ° | 37.167888 ° |
| | | | | -120.636419 ° | -120.636419 ° |
| DWR ID | 19878 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19878 FS_ID:62271 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Not accessible--crossing is buried on landward side. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 14.44), listed as a 24-inch CMP] FS Date: 4/17/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62271_66496.jpg



View of waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 14.36 | Rating ** | M | Issue No. | 1250 (cont) |
| LM End | 14.36 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.167888 ° | 37.167888 ° | |
| | | | -120.636419 ° | -120.636419 ° | |
| DWR ID | 19878 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62271_66497.jpg



View of pipe daylight, flap gate, and concrete headwall visible on waterward toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 14.36 | Rating ** | M | Issue No. | 1250 (cont) |
| LM End | 14.36 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62271_66498.jpg



View of landward slope.

| | | | | | |
|--------------------------------------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 14.36 | Rating ** | A/W | Issue No. | 99 |
| LM End | 14.36 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.167825 ° | 37.167825 ° |
| | | | | -120.636347 ° | -120.636347 ° |
| DWR ID | DWR_NA0010_06_f _ 2019_99 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| Pipe left on landside slope and toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_99_20200901_00027.jpg



View of pipe on landside slope and toe. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.37 | Rating ** | U | Issue No. | 98 |
| LM End | 14.37 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.167740 ° | 37.167740 ° |
| | | | | -120.636282 ° | -120.636282 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_98 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_98_20201028_00184.jpg



Looking upstream along the waterside slope. (Fall 2020)

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.63 | Rating ** | M | Issue No. | 101 |
| LM End | 14.64 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.164871 ° | 37.164824 ° |
| | | | | -120.633222 ° | -120.633167 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_101 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Burrows are located along landside shoulder. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_101_20200901_00028.jpg



View of rodent hole on landside shoulder. (Fall 2018)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.38 | Rating ** | M | Issue No. | 124 |
| LM End | 15.70 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.159398 ° | 37.157217 ° |
| | | | | -120.621543 ° | -120.618915 ° |
| DWR ID | DWR_NA0010_06_s_2012_124 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.68 | Rating ** | M | Issue No. | 1251 |
| LM End | 15.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.156934 ° | 37.156934 ° |
| | | | | -120.617210 ° | -120.617210 ° |
| DWR ID | 19884 | | | | |

Comment Code

Inspector Comment

DS_ID:19884
FS_ID:62272
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Need to contact owner. Sediment buildup on both the waterward and landward side. Recommend removing sediment buildup from both side. Also recommend clearing excess sediment inside crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.78), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.76), listed as a 24-inch CMP].
FS Date: 4/17/2014

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 15.68 | Rating ** | M | Issue No. | 1251 (cont) |
| LM End | 15.68 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62272_66507.jpg



Flap gate buried halfway on waterward side.

Photo 2 of 3 : UCIP_FA_2020_62272_66506.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 15.68 | Rating ** | M | Issue No. | 1251 (cont) |
| LM End | 15.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.156934 ° | 37.156934 ° | |
| | | | -120.617210 ° | -120.617210 ° | |
| DWR ID | 19884 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62272_66505.jpg



Overview of levee crown at crossing.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1252 |
| LM End | 15.82 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.155539 ° | 37.155539 ° | |
| | | | -120.615303 ° | -120.615303 ° | |
| DWR ID | 19885 | | | | |

Comment Code

Inspector Comment

DS_ID:19885
 FS_ID:62273
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Waterward side is buried and not accessible. Landward side headwall is blocked by dense vegetation. Recommend confirming status of flap gate on waterward side and removing dense vegetation form landward side. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 16.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 15.93), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 15.91), listed as a 36-inch CMP]
 FS Date: 4/17/2014

Photo 1 of 3 : UCIP_FA_2020_62273_66530.jpg



View of waterward side, Photo 1 of 3.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1252 (cont) |
| LM End | 15.82 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.155539 ° | 37.155539 ° |
| | | | | -120.615303 ° | -120.615303 ° |
| DWR ID | 19885 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62273_66526.jpg



View of waterward side, photo 2 of 3.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 15.82 | Rating ** | M | Issue No. | 1252 (cont) |
| LM End | 15.82 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62273_66529.jpg



View of waterward side, photo 3 of 3.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 16.10 | Rating ** | M | Issue No. | 97 |
| LM End | 16.38 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.152795 ° | 37.150023 ° |
| | | | | -120.611587 ° | -120.607963 ° |
| DWR ID | DWR_NA0010_06_f_2020_97 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 16.40 | Rating ** | M | Issue No. | 1253 | |
| LM End | 16.40 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.149747 ° | 37.149747 ° | |
| | | | | -120.607702 ° | -120.607702 ° | |
| DWR ID | 19559 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19559 FS_ID:62274 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status of crossing. Unable to confirm pipe diameter. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation siphon pipe through the levee, 5.9 feet below the crown. Slide gate on the waterside (WS). Siphon extends under channel. [Additional Reference(s): USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 16.49), listed as a 36-inch corrugated metal pipe (CMP), siphon under channel]. FS Date: 4/17/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62274_66541.jpg



View of waterward side.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 16.40 | Rating ** | M | Issue No. | 1253 (cont) |
| LM End | 16.40 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62274_66539.jpg



Concrete headwall and pipe visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 16.40 | Rating ** | M | Issue No. | 1253 (cont) |
| LM End | 16.40 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.149747 ° | 37.149747 ° | |
| | | | -120.607702 ° | -120.607702 ° | |
| DWR ID | 19559 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62274_66540.jpg



View of landward side, photo 1 of 2.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 17.83 | Rating ** | M | Issue No. | 96 |
| LM End | 18.07 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.132532 ° | 37.129440 ° |
| | | | | -120.593423 ° | -120.591533 ° |
| DWR ID | DWR_NA0010_06_f_2020_96 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.18 | Rating ** | C | Issue No. | 72 |
| LM End | 18.18 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.127982 ° | 37.127982 ° |
| | | | | -120.590911 ° | -120.590911 ° |
| DWR ID | DWR_NA0010_06_f _ 2017_72 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.20 | Rating ** | M | Issue No. | 1254 |
| LM End | 18.20 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.127773 ° | 37.127773 ° |
| | | | | -120.590809 ° | -120.590809 ° |
| DWR ID | 19887 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19887 FS_ID:62276 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Sediment build up on landward side toe -- debris blockage. No photos available. Recommend taking photos of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.29), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.27), listed as a 24-inch CMP]. FS Date: 4/17/2014 | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.46 | Rating ** | C | Issue No. | 70 |
| LM End | 18.46 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.124088 ° | 37.124088 ° |
| | | | | -120.589249 ° | -120.589249 ° |
| DWR ID | DWR_NA0010_06_s_2018_70 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 18.81 | Rating ** | U | Issue No. | 1255 | |
| LM End | 18.81 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 37.119268 ° | 37.119268 ° | |
| | | | | -120.587208 ° | -120.587208 ° | |
| DWR ID | 19888 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19888 FS_ID:62269 EP_NO: 3040 Repair Type: Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 11/01/2018 Signs of pipe leakage (wet spot) visible in floodway. Crossing remains Urgent due to potential leakage along the pipe. Recommend internal inspection to determine pipe integrity through the levee. (O. Magana - DWR UCIP)07/20/2016 Same as previous inspection. Dense vegetation prevents proper inspection along floodway. (O. Magana - DWR UCIP)04/17/2014 Need to contact owner. Leak on waterward toe approximately 15 feet from toe. Good candidate for video or pressure test. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe through the levee, 8.8 feet below the crown. Slide gate in a pipe riser on the landside (LS) slope, not the waterside (WS) slope. Concrete headwall on the LS, not the WS. Siphon extends under the channel. 24-inch corrugated metal cleanout pipe at the center of the channel with a metal plate cover. (Plans for construction of two reinforced concrete siphons across the Eastside Bypass authorized under Permit No. 3040, 1959 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.91), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.91), listed as a 48-inch CMP] FS Date: 11/1/2018 12:52:00 PM | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62269_66562.jpg



View of WS. Channel section exposed near waterward toe.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.81 | Rating ** | U | Issue No. | 1255 (cont) |
| LM End | 18.81 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62269_66564.jpg



Overview of Eastside Bypass.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 18.81 | Rating ** | U | Issue No. | 1255 (cont) |
| LM End | 18.81 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.119268 ° | 37.119268 ° |
| | | | | -120.587208 ° | -120.587208 ° |
| DWR ID | 19888 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62269_66563.jpg



Channel sections have been excavated across Eastside Bypass.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.89 | Rating ** | M | Issue No. | 95 |
| LM End | 19.03 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.118183 ° | 37.116176 ° |
| | | | | -120.586794 ° | -120.586836 ° |
| DWR ID | DWR_NA0010_06_f_2020_95 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**** Rating**
A : Acceptable 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 18.89 | Rating ** | M | Issue No. | 1256 |
| LM End | 18.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.118178 ° | 37.118178 ° |
| | | | | -120.586783 ° | -120.586783 ° |
| DWR ID | 19889 | | | | |

Comment Code

Inspector Comment

DS_ID:19889
FS_ID:62277
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.2 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 18.98), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 18.97), listed as a 24-inch CMP].
FS Date: 4/17/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 18.89 | Rating ** | M | Issue No. | 1256 (cont) |
| LM End | 18.89 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62277_66579.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62277_66582.jpg



Inside view of CMP riser located on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 18.89 | Rating ** | M | Issue No. | 1256 (cont) |
| LM End | 18.89 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.118178 ° | 37.118178 ° | |
| | | | -120.586783 ° | -120.586783 ° | |
| DWR ID | 19889 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62277_66581.jpg



Pipe daylight on waterward side.

| | | | | | |
|--|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 19.14 | Rating ** | A/W | Issue No. | 1211 |
| LM End | 19.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.114793 ° | 37.114793 ° |
| | | | | -120.587582 ° | -120.587582 ° |
| DWR ID | DWR_NA0010_06_s_2015_1211 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent holes with more than 2 cubic feet of material were previously noted on the waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_1211_20200901_00045.jpg



Looking at several rodent holes on waterward slope. (Fall 2015)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 19.28 | Rating ** | M | Issue No. | 1257 | |
| LM End | 19.28 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.112902 ° | 37.112902 ° | |
| | | | | -120.588751 ° | -120.588751 ° | |
| DWR ID | 19890 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19890 FS_ID:62278 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 20 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. Riprap along the landside (LS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.36), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.36), listed as a 48-inch CMP]. FS Date: 4/17/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62278_66583.jpg



View of waterward side.

| | | | | | |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 19.28 | Rating ** | M | Issue No. | 1257 (cont) |
| LM End | 19.28 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62278_66584.jpg



Riser located on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.28 | Rating ** | M | Issue No. | 1257 (cont) |
| LM End | 19.28 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.112902 ° | 37.112902 ° |
| | | | | -120.588751 ° | -120.588751 ° |
| DWR ID | 19890 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62278_66586.jpg



View of landward slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.41 | Rating ** | M | Issue No. | 111 |
| LM End | 19.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.111677 ° | 37.112556 ° |
| | | | | -120.587568 ° | -120.586921 ° |
| DWR ID | DWR_NA0010_06_f_2019_111 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.94 | Rating ** | M | Issue No. | 1258 |
| LM End | 19.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.113304 ° | 37.113304 ° |
| | | | | -120.579102 ° | -120.579102 ° |
| DWR ID | 19891 | | | | |

Comment Code

Inspector Comment

DS_ID:19891
FS_ID:62279
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/17/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 19.82), listed as a 2.5-foot by 2.5-foot reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 19.85), listed as a 2.5-foot by 2.5 foot RCBC].
FS Date: 4/17/2014

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 19.94 | Rating ** | M | Issue No. | 1258 (cont) |
| LM End | 19.94 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62279_66591.jpg



Overview of levee crown looking downstream.

Photo 2 of 3 : UCIP_FA_2020_62279_66592.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 19.94 | Rating ** | M | Issue No. | 1258 (cont) |
| LM End | 19.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.113304 ° | 37.113304 ° |
| | | | | -120.579102 ° | -120.579102 ° |
| DWR ID | 19891 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62279_66590.jpg



View of "U" concrete headwall located on waterward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 20.79 | Rating ** | M | Issue No. | 1209 |
| LM End | 21.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.113107 ° | 37.109735 ° |
| | | | | -120.563782 ° | -120.560079 ° |
| DWR ID | DWR_NA0010_06_s_2015_1209 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Erosion on landside slope greater than 3 inches. Erosion caused by livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_1209_20200901_00044.jpg



Erosion on the landside slope from livestock activity. (Spring 2020)

| | | | | | |
|--------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 21.28 | Rating ** | A/W | Issue No. | 64 |
| LM End | 21.28 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 37.107670 ° | 37.107670 ° |
| | | | | -120.557990 ° | -120.557990 ° |
| DWR ID | 253-136 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:35 | | | | | |
| Site Designation:253-136 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.39 | Rating ** | M | Issue No. | 114 |
| LM End | 21.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.106397 ° | 37.106397 ° |
| | | | | -120.556727 ° | -120.556727 ° |
| DWR ID | DWR_NA0010_06_f _ 2019_114 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_114_20200901_00033.jpg



View of rodent burrows on the landside slope. (Spring 2020)

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 21.71 | Rating ** | M | Issue No. | 107 |
| LM End | 21.78 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.102844 ° | 37.102002 ° |
| | | | | -120.553160 ° | -120.552314 ° |
| DWR ID | DWR_NA0010_06_f _ 2018_107 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Erosion into levee prism due to livestock activities. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_107_20200901_00029.jpg



View of erosion in landside levee prism. (Spring 2019)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.04 | Rating ** | M | Issue No. | 91 |
| LM End | 22.04 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.099104 ° | 37.099104 ° |
| | | | | -120.549400 ° | -120.549400 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_91 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_91_20201028_00185.jpg



Cattle trail damage to the landside slope and shoulder. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.41 | Rating ** | M | Issue No. | 86 |
| LM End | 22.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.094969 ° | 37.094479 ° |
| | | | | -120.544964 ° | -120.544435 ° |
| DWR ID | DWR_NA0010_06_f _ 2017_86 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Erosion greater than 3 inches on landside slope caused by livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_86_20201028_00186.jpg



Looking upstream along the landside slope. (Fall 2020)

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 22.87 | Rating ** | M | Issue No. | 117 |
| LM End | 22.87 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.089954 ° | 37.089954 ° |
| | | | | -120.539535 ° | -120.539535 ° |
| DWR ID | DWR_NA0010_06_f _ 2019_117 | | | | |
| Comment Code | | | | | |
| DE : Debris | | | | | |
| Inspector Comment | | | | | |
| Large block of concrete left on the landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_117_20200901_00035.jpg



Large concrete block left on the landside toe. (Fall 2019)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 23.97 | Rating ** | M | Issue No. | 90 |
| LM End | 24.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.077881 ° | 37.075002 ° |
| | | | | -120.526447 ° | -120.523330 ° |
| DWR ID | DWR_NA0010_06_f_2020_90 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1259 | |
| LM End | 24.02 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.077406 ° | 37.077406 ° | |
| | | | | -120.525938 ° | -120.525938 ° | |
| DWR ID | 19879 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19879 FS_ID:62281 EP_NO: 13638 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/17/2014 Need to contact owner to determine status. Crossing has been modified. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Cutoff wall around the pipe at the center of the levee. Pump on the waterside (WS). Siphon breaker on the landside (LS) shoulder. Intake trench on the WS. (Plans to install a pump with a 16-inch pipeline over the levee authorized under Permit No. 13638, 1983 - Hamonds Ranch). [Additional Reference(s): DWR Levee Log, 2002 (HLM 23.92), listed as a 16-inch steel pipe] FS Date: 4/17/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62281_61871.jpg



Overview of levee crown at crossing.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1259 (cont) |
| LM End | 24.02 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62281_61870.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 24.02 | Rating ** | M | Issue No. | 1259 (cont) |
| LM End | 24.02 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.077406 ° | 37.077406 ° | |
| | | | -120.525938 ° | -120.525938 ° | |
| DWR ID | 19879 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62281_61875.jpg



Concrete pad with abandoned support frame located on waterward side.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.03 | Rating ** | M | Issue No. | 87 |
| LM End | 24.39 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.077270 ° | 37.073324 ° |
| | | | | -120.525785 ° | -120.521520 ° |
| DWR ID | DWR_NA0010_06_f_2020_87 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.46 | Rating ** | M | Issue No. | 78 |
| LM End | 24.46 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Repair Gates | | | 37.072606 ° | 37.072606 ° |
| | | | | -120.520748 ° | -120.520748 ° |
| DWR ID | DWR_NA0010_06_f_2020_78 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Under eastbound 152. Gate in channel under highway 152 should be repaired. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_78_20201028_00187.jpg



View of damaged access gate under highway 152. (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 | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.51 | Rating ** | U | Issue No. | 5 |
| LM End | 25.01 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.072048 ° | 37.066501 ° |
| | | | | -120.520180 ° | -120.514193 ° |
| DWR ID | DWR_NA0010_06_s_2012_5 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Landside erosion and slope instability caused by livestock extends into levee crown. At the worst locations erosion extends 2.5 feet to 3 feet from the shoulder into the crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_5_20201028_00188.jpg



Looking downstream at erosion from livestock. (Fall 2020)

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 24.98 | Rating ** | C | Issue No. | 83 |
| LM End | 24.98 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.066893 ° | 37.066893 ° |
| | | | | -120.514623 ° | -120.514623 ° |
| DWR ID | DWR_NA0010_06_f_2017_83 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.13 | Rating ** | M | Issue No. | 1208 |
| LM End | 26.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.054222 ° | 37.054222 ° |
| | | | | -120.500862 ° | -120.500862 ° |
| DWR ID | DWR_NA0010_06_s_2015_1208 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Noted several rodent holes next to and within rock revetment on landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_1208_20200901_00043.jpg



Rodent holes on landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 26.71 | Rating ** | M | Issue No. | 77 |
| LM End | 26.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.048333 ° | 37.048333 ° |
| | | | | -120.493507 ° | -120.493507 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_77 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 27.43 | Rating ** | M | Issue No. | 3 |
| LM End | 27.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.036955 ° | 37.032762 ° |
| | | | | -120.484395 ° | -120.481078 ° |
| DWR ID | DWR_NA0010_06_s_2012_3 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Landside erosion and slope instability caused by livestock. Erosion greater than 3" in depth on landside slope. Levee crown has narrowed within this reach. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_3_20200901_00001.jpg



Looking south along landside slope. (Spring 2019)

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.18 | Rating ** | C | Issue No. | 127 |
| LM End | 28.18 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.030924 ° | 37.030924 ° |
| | | | | -120.478411 ° | -120.478411 ° |
| DWR ID | DWR_NA0010_06_s_2019_127 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.39 | Rating ** | M | Issue No. | 75 |
| LM End | 28.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.030010 ° | 37.030010 ° |
| | | | | -120.474765 ° | -120.474765 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_75 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.43 | Rating ** | C | Issue No. | 110 |
| LM End | 28.43 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.029935 ° | 37.029935 ° |
| | | | | -120.474057 ° | -120.474057 ° |
| DWR ID | DWR_NA0010_06_s_2019_110 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.47 | Rating ** | M | Issue No. | 19 |
| LM End | 28.53 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.029937 ° | 37.029977 ° |
| | | | | -120.473384 ° | -120.472266 ° |
| DWR ID | DWR_NA0010_06_s_2015_19 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent burrows are also on the crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_19_20200901_00004.jpg



View of rodent burrow in the levee crown. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start | 28.95 | Rating ** | M | Issue No. | 126 |
| LM End | 28.95 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.030155 ° | 37.030155 ° |
| | | | | -120.464738 ° | -120.464738 ° |
| DWR ID | DWR_NA0010_06_f _ 2019_126 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 29.44 | Rating ** | M | Issue No. | 1260 |
| LM End | 29.44 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.030369 ° | 37.030369 ° |
| | | | | -120.455969 ° | -120.455969 ° |
| DWR ID | 19881 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19881 FS_ID:62283 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity irrigation pipe through the levee, 12.4 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. Cobble pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 29.34), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 29.34), listed as a 36-inch CMP]. FS Date: 4/10/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62283_66600.jpg



View of waterward side--slide gate inside CMP riser located on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 29.44 | Rating ** | M | Issue No. | 1260 (cont) |
| LM End | 29.44 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.030369 ° | 37.030369 ° | |
| | | | -120.455969 ° | -120.455969 ° | |
| DWR ID | 19881 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62283_66603.jpg



Inside view of CMP riser located on waterward slope.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 29.44 | Rating ** | M | Issue No. | 1260 (cont) |
| LM End | 29.44 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62283_66599.jpg



View of waterward side.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 29.51 | Rating ** | M | Issue No. | 73 |
| LM End | 29.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.030437 ° | 37.030437 ° |
| | | | | -120.454568 ° | -120.454568 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_73 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 29.61 | Rating ** | C | Issue No. | 132 |
| LM End | 29.61 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.030452 ° | 37.030452 ° |
| | | | | -120.452836 ° | -120.452836 ° |
| DWR ID | DWR_NA0010_06_f_2019_132 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 30.36 | Rating ** | M | Issue No. | 1261 |
| LM End | 30.36 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.027330 ° | 37.027330 ° |
| | | | | -120.441498 ° | -120.441498 ° |
| DWR ID | 19882 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19882 FS_ID:62284 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 Altered crossing--steel pipe section on landward side and concrete pipe section on waterward side. Joints on waterward side seperated. Need to contact owner to determine status. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Rodunder Siphon Structure] 48-inch reinforced concrete irrigation siphon pipe through the levee, 14.5 feet below the crown. Concrete U-shaped headwall on the outlet structure on the landside (LS) end. Slide gate mounted on the headwall. [Additional Reference(s): DWR Levee Log, 2002 (HLM 30.26), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 30.27), listed as a 48-inch CMP]. FS Date: 4/10/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62284_66607.jpg



Overview of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 30.36 | Rating ** | M | Issue No. | 1261 (cont) |
| LM End | 30.36 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.027330 ° | 37.027330 ° | |
| | | | -120.441498 ° | -120.441498 ° | |
| DWR ID | 19882 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62284_66604.jpg



Overview of Eastside Bypass at crossing.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 30.36 | Rating ** | M | Issue No. | 1261 (cont) |
| LM End | 30.36 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62284_66609.jpg



Concrete pipe through Eastside Bypass exposed.

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 30.81 | Rating ** | M | Issue No. | 1207 |
| LM End | 31.06 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.021615 ° | 37.018428 ° |
| | | | | -120.437587 ° | -120.435378 ° |
| DWR ID | DWR_NA0010_06_s_2015_1207 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Landside erosion greater than 1" in depth and greater than 3" in length. Erosion is caused by livestock traffic. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_1207_20201028_00189.jpg



Looking upstream at livestock damage to the landside slope. (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 | |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.10 | Rating ** | U | Issue No. | 80 |
| LM End | 31.10 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.017907 ° | 37.017907 ° |
| | | | | -120.434970 ° | -120.434970 ° |
| DWR ID | DWR_NA0010_06_s_2017_80 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Farmer installed ramp on waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_80_20201028_00190.jpg



Looking upstream at ramp on the waterside slope. (Fall 2020)

| | | | | | |
|---|---------------------------|--------------|-----|------------------------|---------------|
| LM Start | 31.14 | Rating ** | A/W | Issue No. | 82 |
| LM End | 31.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.017445 ° | 37.017445 ° |
| | | | | -120.434713 ° | -120.434713 ° |
| DWR ID | DWR_NA0010_06_f _ 2017_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 : FA_2020_NA0010_124_82_20200901_00017.jpg



Looking east at the waterside slope.

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 31.18 | Rating ** | M | Issue No. | 128 |
| LM End | 31.18 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.016932 ° | 37.016932 ° |
| | | | | -120.434346 ° | -120.434346 ° |
| DWR ID | DWR_NA0010_06_s_2019_128 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| Temporary pipe is installed across levee crown by landowner. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_128_20200901_00038.jpg



View of pipe crossing looking upstream. (Spring 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.00 | Rating ** | U | Issue No. | 81 |
| LM End | 32.00 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.007007 ° | 37.007007 ° |
| | | | | -120.426179 ° | -120.426179 ° |
| DWR ID | DWR_NA0010_06_f _ 2017_81 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_81_20200901_00016.jpg



Looking west at the landside slope.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.50 | Rating ** | M | Issue No. | 129 |
| LM End | 32.88 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.001898 ° | 36.997745 ° |
| | | | | -120.419861 ° | -120.415197 ° |
| DWR ID | DWR_NA0010_06_s_2019_129 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage from livestock. Damage is beginning to erode into levee crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_124_129_20200901_00039.jpg



Erosion from animal activity along the landside slope. (Spring 2019)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.56 | Rating ** | M | Issue No. | 71 |
| LM End | 32.74 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.001322 ° | 36.999312 ° |
| | | | | -120.419137 ° | -120.416932 ° |
| DWR ID | DWR_NA0010_06_f_2020_71 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 32.82 | Rating ** | M | Issue No. | 60 |
| LM End | 36.47 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.998440 ° | 36.974148 ° |
| | | | | -120.415982 ° | -120.363300 ° |
| DWR ID | DWR_NA0010_06_f _ 2020_60 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 33.08 | Rating ** | M | Issue No. | 1262 | |
| LM End | 33.08 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.995672 ° | 36.995672 ° | |
| | | | | -120.412919 ° | -120.412919 ° | |
| DWR ID | 19883 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19883 FS_ID:62285 EP_NO: 6416-C Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 Crossing updated--need to contact owner to determine permit issued by CVFPB for authorized changes. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 20-inch coated steel drainage discharge pipe through the levee, 3.9 feet below the crown. Electrical conduit through the levee. Cutoff wall around pipe at centerline of levee. Capped with a welded plate on the landside (LS) end. Siphon breaker on the apex of the pipe on the LS shoulder. Slant pump on the waterside (WS) slope. (To revise plans for a slant pump and an 18-inch steel pipe through the levee authorized under Permit No. 6416-A, 1975 - Triangle T. Ranch, Inc.). [Additional Reference(s): DWR Levee Log, 2002 (HLM 32.97), listed as a 18-inch steel pipe]. FS Date: 4/10/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62285_61898.jpg



View of waterward side--pipe and pump fenced off on waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 33.08 | Rating ** | M | Issue No. | 1262 (cont) |
| LM End | 33.08 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.995672 ° | 36.995672 ° | |
| | | | -120.412919 ° | -120.412919 ° | |
| DWR ID | 19883 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62285_61902.jpg



Electrical conduit visible on waterward slope.

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 33.08 | Rating ** | M | Issue No. | 1262 (cont) |
| LM End | 33.08 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62285_61903.jpg



View of Eastside Bypass.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 33.79 | Rating ** | M | Issue No. | 62 |
| LM End | 36.47 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.987905 ° | 36.974148 ° |
| | | | | -120.404294 ° | -120.363300 ° |
| DWR ID | DWR_NA0010_06_f_2020_62 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 35.42 | Rating ** | M | Issue No. | 1263 | |
| LM End | 35.42 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.974509 ° | 36.974509 ° | |
| | | | | -120.382056 ° | -120.382056 ° | |
| DWR ID | 19813 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19813 FS_ID:62287 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. High vegetation along crossing alignment--recommend removing vegetation along pipe crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Fresno River Irrigation Structure] 48-inch by 72-inch reinforced concrete box gravity irrigation culvert through the levee, 15.1 feet below the crown. Slide gate in a concrete riser in the waterside (WS) slope. Concrete U-shaped headwall on each end. Landside (LS) channel cobble revetted for 8 feet. [Additional Reference(s): DWR Levee Log, 2002 (HLM 35.33), listed as a 48-inch by 72-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 35.33), listed as a 6-foot by 4-foot RCBC, known as the Fresno River Irrigation Structure]. FS Date: 4/10/2014 | | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | 35.42 | Rating ** | M | Issue No. | 1263 (cont) |
| LM End | 35.42 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62287_66628.jpg



View of waterward side--slide gate inside concrete box.

Photo 2 of 3 : UCIP_FA_2020_62287_66632.jpg



View of waterward slope covered by dense vegetation.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 06 East Side Bypass | Left | 36.47 | 10/21/2020 10/23/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | 35.42 | Rating ** | M | Issue No. | 1263 (cont) |
| LM End | 35.42 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.974509 ° | 36.974509 ° | |
| | | | -120.382056 ° | -120.382056 ° | |
| DWR ID | 19813 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62287_66629.jpg



Inside view of concrete box located on waterward slope.

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 35.84 | Rating ** | C | Issue No. | 130 |
| LM End | 35.84 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.974417 ° | 36.974417 ° |
| | | | | -120.374479 ° | -120.374479 ° |
| DWR ID | DWR_NA0010_06_s_2019_130 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 36.27 | Rating ** | A/W | Issue No. | 137 |
| LM End | 36.38 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.974431 ° | 36.974440 ° |
| | | | | -120.366852 ° | -120.364784 ° |
| DWR ID | DWR_NA0010_06_s_2020_137 | | | | |
| Comment Code | | | | | |
| V9 : Keep the crown roadway free of vegetation. | | | | | |
| 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 07 Bear Creek Bypass | | | Right | 3.62 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 4/28/2020 - 4/28/2020 | | 10/14/2020 - 10/14/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 17 |
| LM End | 0.35 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.255863 ° | 37.257756 ° |
| | | | | -120.771317 ° | -120.766763 ° |
| DWR ID | DWR_NA0010_07_f _ 2020_17 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_17_20201028_00043.jpg



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

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.07 | Rating ** | M | Issue No. | 30 | |
| LM End | 0.07 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.255897 ° | 37.255897 ° | |
| | | | | -120.771127 ° | -120.771127 ° | |
| DWR ID | 19892 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19892 FS_ID:62031 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/20/2016 Inlet blocked off by wooden board. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along WS and LS. Crossing downgraded from Urgent to Non-Urgent. (O. Magana - DWR UCIP)04/15/2014 Flapgate partially blocked by soil buildup at WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.08), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.07), listed as a 24-inch CMP]. FS Date: 7/20/2016 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62031_60954.jpg



Pipe and headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.07 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 0.07 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.255897 ° | 37.255897 ° | |
| | | | -120.771127 ° | -120.771127 ° | |
| DWR ID | 19892 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62031_60955.jpg



Pipe, headwall, and flapgate at WS toe. Soil buildup partially blocking flapgate.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.07 | Rating ** | M | Issue No. | 30 (cont) |
| LM End | 0.07 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62031_60953.jpg



Pipe and headwall at LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.24 | Rating ** | M | Issue No. | 29 |
| LM End | 0.50 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.256936 ° | 37.258722 ° |
| | | | | -120.768472 ° | -120.764867 ° |
| DWR ID | DWR_NA0010_07_s_2012_29 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes were noted on the landside and waterside slope and shoulder. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_29_20200901_00009.jpg



Looking north at landside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.33 | Rating ** | A/W | Issue No. | 31 |
| LM End | 0.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.257691 ° | 37.257691 ° |
| | | | | -120.767203 ° | -120.767203 ° |
| DWR ID | 19893 | | | | |

Comment Code

Inspector Comment

DS_ID:19893
FS_ID:62044
EP_NO: N/A
Repair Type: No Action Needed
EVAL Issue:
Crossing Status: Found
UCIP Comments:
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.34), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.33), listed as a 24-inch CMP].
FS Date: 4/15/2014

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.33 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 0.33 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62044_60958.jpg



Pipe and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62044_60957.jpg



Pipe, headwall, and flapgate on WS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.33 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 0.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.257691 ° | 37.257691 ° | |
| | | | -120.767203 ° | -120.767203 ° | |
| DWR ID | 19893 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62044_60959.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 32 |
| LM End | 0.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.258543 ° | 37.258543 ° | |
| | | | -120.764728 ° | -120.764728 ° | |
| DWR ID | 19894 | | | | |

Comment Code

Inspector Comment

DS_ID:19894
 FS_ID:62042
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/15/2014 Slide gate not operable, but left in closed position. Need to reinstall covers over slide gate standpipe. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the landside (LS) slope. Concrete U-shaped headwall on the LS end. Inlet channel cobble revetted. Dilapidated wooden pier on the waterside (WS). WS slope and outlet ditch cobble revetted. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.49), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.49), listed as a 36-inch CMP].
 FS Date: 4/15/2014

Photo 1 of 3 : UCIP_FA_2020_62042_60963.jpg



Slide gate in CMP riser on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 0.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.258543 ° | 37.258543 ° | |
| | | | -120.764728 ° | -120.764728 ° | |
| DWR ID | 19894 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62042_60965.jpg



Outlet on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 0.49 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62042_60964.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.53 | Rating ** | A/W | Issue No. | 18 |
| LM End | 0.53 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.259097 ° | 37.259097 ° |
| | | | | -120.764846 ° | -120.764846 ° |
| DWR ID | DWR_NA0010_07_f_2018_18 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is livestock damage to the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_18_20200901_00005.jpg



View of damage from livestock looking upstream. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.53 | Rating ** | A/W | Issue No. | 33 |
| LM End | 0.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.259163 ° | 37.259163 ° |
| | | | | -120.764860 ° | -120.764860 ° |
| DWR ID | 19895 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19895 FS_ID:62045 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall with a wooden weir at the inlet on the landside (LS) toe. Concrete U-shaped headwall on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.53), listed as a 24-inch CMP]. FS Date: 4/15/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.53 | Rating ** | A/W | Issue No. | 33 (cont) |
| LM End | 0.53 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62045_60981.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62045_60983.jpg



Flapgate on concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 0.53 | Rating ** | A/W | Issue No. | 33 (cont) | |
| LM End | 0.53 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.259163 ° | 37.259163 ° | |
| | | | | -120.764860 ° | -120.764860 ° | |
| DWR ID | 19895 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62045_60982.jpg



Headwall, pipe, and wier on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.70 | Rating ** | M | Issue No. | 19 |
| LM End | 0.70 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.261337 ° | 37.261337 ° |
| | | | | -120.763303 ° | -120.763303 ° |
| DWR ID | DWR_NA0010_07_f_2018_19 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is livestock damage to the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_19_20200901_00006.jpg



Damage to landside slope from livestock. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.85 | Rating ** | M | Issue No. | 34 |
| LM End | 0.85 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.262981 ° | 37.262981 ° | |
| | | | -120.761703 ° | -120.761703 ° | |
| DWR ID | 19896 | | | | |

Comment Code

Inspector Comment

DS_ID:19896
FS_ID:62035
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/15/2014 Need to contact owner. Heavy sediment buildup at inlet due to animal activity should be cleared. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.8 feet below the crown. Flap gate on the waterside (WS) end. Wooden weir on concrete headwall at the landside (LS) toe. 36-inch concrete riser at the LS toe. Concrete U-shaped headwall on the WS end. Concrete standpipe on the LS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.86), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.85), listed as a 24-inch CMP].
FS Date: 4/15/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.85 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 0.85 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62035_60986.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62035_60988.jpg



Headwall and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.94 | Rating ** | A/W | Issue No. | 35 (cont) |
| LM End | 0.94 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.263950 ° | 37.263950 ° | |
| | | | -120.760572 ° | -120.760572 ° | |
| DWR ID | 19897 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62036_60993.jpg



Concrete headwall and flapgate at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.94 | Rating ** | A/W | Issue No. | 35 (cont) |
| LM End | 0.94 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62036_60992.jpg



Concrete headwall and pipe on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|----|---------------|
| LM Start | 1.17 | Rating ** | A/W | Issue No. | 36 | |
| LM End | 1.17 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.264421 ° | | 37.264421 ° |
| | | | | -120.756683 ° | | -120.756683 ° |
| DWR ID | 19898 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19898 | | | | | | |
| FS_ID:62043 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.17), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.17), listed as a 48-inch CMP]. | | | | | | |
| FS Date: 4/15/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.17 | Rating ** | A/W | Issue No. | 36 (cont) |
| LM End | 1.17 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62043_60996.jpg



Pipe, flapgate, and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62043_60995.jpg



Flapgate at headwall on WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.50 | Rating ** | M | Issue No. | 6 |
| LM End | 1.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263955 ° | 37.263885 ° |
| | | | | -120.750751 ° | -120.750527 ° |
| DWR ID | DWR_NA0010_07_s_2014_6 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_6_20200901_00002.jpg



Looking at typical view of rodent holes within this section. (Spring 2018)

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 1.50 | Rating ** | A/W | Issue No. | 37 | |
| LM End | 1.50 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263917 ° | 37.263917 ° | |
| | | | | -120.750694 ° | -120.750694 ° | |
| DWR ID | 19902 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19902 FS_ID:62038 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.51), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.51), listed as a 24-inch CMP]. FS Date: 4/15/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62038_61001.jpg



Pipe, headwall and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 1.50 | Rating ** | A/W | Issue No. | 37 (cont) | |
| LM End | 1.50 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263917 ° | 37.263917 ° | |
| | | | | -120.750694 ° | -120.750694 ° | |
| DWR ID | 19902 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62038_61003.jpg



Pipe, headwall and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.50 | Rating ** | A/W | Issue No. | 37 (cont) |
| LM End | 1.50 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62038_61002.jpg



Headwall and pipe on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.71 | Rating ** | M | Issue No. | 5 |
| LM End | 1.72 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.262570 ° | 37.262467 ° |
| | | | | -120.747453 ° | -120.747180 ° |
| DWR ID | DWR_NA0010_07_s_2013_5 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.90 | Rating ** | M | Issue No. | 21 |
| LM End | 1.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.261379 ° | 37.261379 ° |
| | | | | -120.744228 ° | -120.744228 ° |
| DWR ID | DWR_NA0010_07_f_2018_21 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_21_20201028_00045.jpg



View of damage to the landside slope. (Fall 2020)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.09 | Rating ** | M | Issue No. | 12 |
| LM End | 2.09 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.259187 ° | 37.259187 ° |
| | | | | -120.742551 ° | -120.742551 ° |
| DWR ID | DWR_NA0010_07_f _ 2018_12 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent activity is noted next to the fence post. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_125_12_20201028_00046.jpg



View of rodent hole at the fence post on the landside shoulder. (Fall 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.37 | Rating ** | M | Issue No. | 20 |
| LM End | 2.37 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.257028 ° | 37.257028 ° |
| | | | | -120.738484 ° | -120.738484 ° |
| DWR ID | DWR_NA0010_07_f_2020_20 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 2.48 | Rating ** | A/W | Issue No. | 38 | |
| LM End | 2.48 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.255803 ° | 37.255803 ° | |
| | | | | -120.737246 ° | -120.737246 ° | |
| DWR ID | 19899 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19899 | | | | | | |
| FS_ID:62039 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.49), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.48), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 4/15/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 2.48 | Rating ** | A/W | Issue No. | 38 (cont) |
| LM End | 2.48 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62039_61006.jpg



Headwall and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62039_61008.jpg



Concrete headwall and flapgate at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.63 | Rating ** | A/W | Issue No. | 39 (cont) |
| LM End | 2.63 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.254832 ° | 37.254832 ° |
| | | | | -120.734918 ° | -120.734918 ° |
| DWR ID | 19900 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62040_61010.jpg



Concrete headwall and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 2.63 | Rating ** | A/W | Issue No. | 39 (cont) |
| LM End | 2.63 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62040_61012.jpg



Concrete headwall and pipe at LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.09 | Rating ** | M | Issue No. | 40 | |
| LM End | 3.09 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.251883 ° | 37.251883 ° | |
| | | | | -120.728264 ° | -120.728264 ° | |
| DWR ID | 19901 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19901 FS_ID:62041 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/15/2014 Some sediment buildup at landward toe and inside pipe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.09), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.09), listed as a 24-inch CMP]. FS Date: 4/15/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.09 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 3.09 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62041_61016.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62041_61015.jpg



Headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.09 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 3.09 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.251883 ° | 37.251883 ° |
| | | | | -120.728264 ° | -120.728264 ° |
| DWR ID | 19901 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62041_61017.jpg



Headwall and pipe on LS 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 08 Bear Creek Bypass | | | Left | 3.63 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/28/2020 - 4/28/2020 | | 10/14/2020 - 10/14/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.23 | Rating ** | A/W | Issue No. | 29 |
| LM End | 0.23 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.256092 ° | 37.256092 ° |
| | | | | -120.767873 ° | -120.767873 ° |
| DWR ID | 19903 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19903 FS_ID:62046 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.23), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62046_61068.jpg



Headwall and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.23 | Rating ** | A/W | Issue No. | 29 (cont) |
| LM End | 0.23 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62046_61067.jpg



Headwall and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.23 | Rating ** | A/W | Issue No. | 29 (cont) |
| LM End | 0.23 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.256092 ° | 37.256092 ° |
| | | | | -120.767873 ° | -120.767873 ° |
| DWR ID | 19903 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62046_61069.jpg



Concrete headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.43 | Rating ** | M | Issue No. | 15 |
| LM End | 0.43 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.257019 ° | 37.257019 ° |
| | | | | -120.764488 ° | -120.764488 ° |
| DWR ID | DWR_NA0010_08_s_2016_15 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 0.57 | Rating ** | A/W | Issue No. | 30 | |
| LM End | 0.57 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.258604 ° | 37.258604 ° | |
| | | | | -120.763588 ° | -120.763588 ° | |
| DWR ID | 19904 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19904 FS_ID:62047 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.55), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.57), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.57 | Rating ** | A/W | Issue No. | 30 (cont) |
| LM End | 0.57 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62047_61073.jpg



Pipe, flapgate and headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62047_61072.jpg



Pipe, flapgate and headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.57 | Rating ** | A/W | Issue No. | 30 (cont) |
| LM End | 0.57 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.258604 ° | 37.258604 ° | |
| | | | -120.763588 ° | -120.763588 ° | |
| DWR ID | 19904 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62047_61074.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.72 | Rating ** | A/W | Issue No. | 31 |
| LM End | 0.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.260306 ° | 37.260306 ° | |
| | | | -120.762127 ° | -120.762127 ° | |
| DWR ID | 19905 | | | | |

Comment Code

Inspector Comment

DS_ID:19905
 FS_ID:62048
 EP_NO: N/A
 Repair Type: No Action Needed
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments:
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.72), listed as a 24-inch CMP].
 FS Date: 4/16/2014

Photo 1 of 3 : UCIP_FA_2020_62048_61078.jpg



Headwall and flapgate at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.72 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 0.72 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.260306 ° | 37.260306 ° | |
| | | | -120.762127 ° | -120.762127 ° | |
| DWR ID | 19905 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62048_61080.jpg



Headwall and flapgate at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.72 | Rating ** | A/W | Issue No. | 31 (cont) |
| LM End | 0.72 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62048_61079.jpg



Concrete headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.90 | Rating ** | M | Issue No. | 32 |
| LM End | 0.90 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.262384 ° | 37.262384 ° |
| | | | | -120.760528 ° | -120.760528 ° |
| DWR ID | 19832 | | | | |

Comment Code

Inspector Comment

DS_ID:19832
FS_ID:62049
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/16/2014 Some sediment buildup at inlet on LS toe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.88), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.89), listed as a 24-inch CMP].
FS Date: 4/16/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.90 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 0.90 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62049_61084.jpg



Headwall, pipe, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62049_61083.jpg



Headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.90 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 0.90 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.262384 ° | 37.262384 ° |
| | | | | -120.760528 ° | -120.760528 ° |
| DWR ID | 19832 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62049_61085.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.20 | Rating ** | C | Issue No. | 2 |
| LM End | 1.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263182 ° | 37.263183 ° |
| | | | | -120.755650 ° | -120.755637 ° |
| DWR ID | DWR_NA0010_08_s_2012_2 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 28 |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263179 ° | 37.263179 ° |
| | | | | -120.755444 ° | -120.755444 ° |
| DWR ID | DWR_NA0010_08_f_2019_28 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_126_28_20200901_00008.jpg

View of slope damage on the landside of the levee looking upstream.
(Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 33 | |
| LM End | 1.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263188 ° | | 37.263188 ° |
| | | | | -120.755399 ° | | -120.755399 ° |
| DWR ID | 19833 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19833 FS_ID:62050 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Debris blocking landward headwall--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.20), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.21), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62050_61090.jpg



Concrete headwall, pipe, and flapgate on WS toe.

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62050_61091.jpg



Concrete headwall, pipe, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 33 (cont) |
| LM End | 1.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.263188 ° | 37.263188 ° | |
| | | | -120.755399 ° | -120.755399 ° | |
| DWR ID | 19833 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62050_61089.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.32 | Rating ** | A/W | Issue No. | 21 |
| LM End | 1.32 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263143 ° | 37.263143 ° |
| | | | | -120.753366 ° | -120.753366 ° |
| DWR ID | DWR_NA0010_08_f_2018_21 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 8 |
| LM End | 1.38 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.263175 ° | 37.263175 ° |
| | | | | -120.752307 ° | -120.752307 ° |
| DWR ID | DWR_NA0010_08_s_2013_8 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_126_8_20200901_00004.jpg



Looking west at rodent holes on landward slope.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 34 |
| LM End | 1.38 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263194 ° | 37.263194 ° |
| | | | | -120.752299 ° | -120.752299 ° |
| DWR ID | 19834 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19834 FS_ID:62051 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Animal burrows along pipe alignment on LS. Some sediment buildup at LS toe and inside pipe--recommend clearing. (W. Wylie -DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.37), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.38), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62051_61094.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 1.38 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62051_61093.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|------------------|
| LM Start | 1.38 | Rating ** | M | Issue No. | 34 (cont) |
| LM End | 1.38 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.263194 ° | 37.263194 ° |
| | | | | -120.752299 ° | -120.752299 ° |
| DWR ID | 19834 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62051_61095.jpg



Animal burrows along alignment on LS slope.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.61 | Rating ** | M | Issue No. | 1 |
| LM End | 1.61 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.261842 ° | 37.261842 ° |
| | | | | -120.748510 ° | -120.748510 ° |
| DWR ID | DWR_NA0010_08_s_2012_1 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.81 | Rating ** | M | Issue No. | 26 |
| LM End | 1.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.260673 ° | 37.260673 ° |
| | | | | -120.745290 ° | -120.745290 ° |
| DWR ID | DWR_NA0010_08_f_2019_26 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | A/W | Issue No. | 5 |
| LM End | 3.18 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.258410 ° | 37.251737 ° |
| | | | | -120.743412 ° | -120.726246 ° |
| DWR ID | DWR_NA0010_08_s_2016_5 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| A depression is noted on the levee crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_126_5_20201028_00045.jpg



View of rutting on the levee crown. (Fall 2020)

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.05 | Rating ** | M | Issue No. | 35 | |
| LM End | 2.05 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.258220 ° | 37.258220 ° | |
| | | | | -120.742868 ° | -120.742868 ° | |
| DWR ID | 19835 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19835 FS_ID:62052 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Non-functional landward inlet is buried in sediment. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.04), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.05), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62052_61098.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 2.05 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.258220 ° | 37.258220 ° | |
| | | | -120.742868 ° | -120.742868 ° | |
| DWR ID | 19835 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62052_61099.jpg



Pipe and headwall buried in sediment at LS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 35 (cont) |
| LM End | 2.05 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62052_61097.jpg



Pipe and headwall buried in sediment at LS toe.

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 25 |
| LM End | 2.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.258059 ° | 37.258059 ° |
| | | | | -120.742451 ° | -120.742451 ° |
| DWR ID | DWR_NA0010_08_f _ 2019_25 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.07 | Rating ** | M | Issue No. | 22 |
| LM End | 2.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.258076 ° | 37.258076 ° |
| | | | | -120.742439 ° | -120.742439 ° |
| DWR ID | DWR_NA0010_08_f_2018_22 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is damage to the slope and shoulder from livestock. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_126_22_20200901_00007.jpg



Slope and shoulder damage from livestock. (Fall 2018)

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 2.12 | Rating ** | M | Issue No. | 36 | |
| LM End | 2.12 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.257800 ° | 37.257800 ° | |
| | | | | -120.741604 ° | -120.741604 ° | |
| DWR ID | 19836 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19836 FS_ID:62053 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/16/2014 Sediment buildup in pipe visible from landward side. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.12), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.12), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62053_61102.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 2.12 | Rating ** | M | Issue No. | 36 (cont) | |
| LM End | 2.12 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.257800 ° | 37.257800 ° | |
| | | | | -120.741604 ° | -120.741604 ° | |
| DWR ID | 19836 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62053_61100.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 2.12 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62053_61101.jpg



Pipe and headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.13 | Rating ** | M | Issue No. | 24 |
| LM End | 2.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.257758 ° | 37.257758 ° |
| | | | | -120.741483 ° | -120.741483 ° |
| DWR ID | DWR_NA0010_08_f_2020_24 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.77 | Rating ** | A/W | Issue No. | 37 |
| LM End | 2.77 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252228 ° | 37.252228 ° |
| | | | | -120.732890 ° | -120.732890 ° |
| DWR ID | 19837 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19837 | | | | | |
| FS_ID:62054 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.77), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.77), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62054_61107.jpg



Pipe, headwall, and flapgate on Ws toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 2.77 | Rating ** | A/W | Issue No. | 37 (cont) |
| LM End | 2.77 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62054_61105.jpg



Pipe, headwall, and flapgate on Ws 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.77 | Rating ** | A/W | Issue No. | 37 (cont) |
| LM End | 2.77 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.252228 ° | 37.252228 ° | |
| | | | -120.732890 ° | -120.732890 ° | |
| DWR ID | 19837 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62054_61106.jpg



Pipe and headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.06 | Rating ** | M | Issue No. | 38 |
| LM End | 3.06 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.250864 ° | 37.250864 ° | |
| | | | -120.728151 ° | -120.728151 ° | |
| DWR ID | 19838 | | | | |

Comment Code

Inspector Comment

DS_ID:19838
 FS_ID:62058
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 7/20/2016 LS inlet buried under dense vegetation. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (O. Magana - DWR UCIP)4/16/2014 Pipe blocked by silt on LS toe. Flapgate rusty and does not operate correctly. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 13.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.06), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.06), listed as a 36-inch CMP].
 FS Date: 7/20/2016

Photo 1 of 3 : UCIP_FA_2020_62058_61112.jpg



Pipe, headwall, and flapgate on WS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.06 | Rating ** | M | Issue No. | 38 (cont) | |
| LM End | 3.06 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.250864 ° | 37.250864 ° | |
| | | | | -120.728151 ° | -120.728151 ° | |
| DWR ID | 19838 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62058_61113.jpg



Pipe, headwall, and flapgate on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.06 | Rating ** | M | Issue No. | 38 (cont) |
| LM End | 3.06 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62058_61111.jpg



Pipe and headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start | 3.24 | Rating ** | A/W | Issue No. | 39 | |
| LM End | 3.24 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.252230 ° | 37.252230 ° | |
| | | | | -120.725504 ° | -120.725504 ° | |
| DWR ID | 19839 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19839 FS_ID:62056 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.23), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.24), listed as a 24-inch CMP]. FS Date: 4/16/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62056_61128.jpg



Pipe, flapgate, and headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 3.24 | Rating ** | A/W | Issue No. | 39 (cont) |
| LM End | 3.24 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62056_61127.jpg



Pipe, flapgate, and headwall on WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.43 | Rating ** | M | Issue No. | 40 |
| LM End | 3.43 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.253151 ° | 37.253151 ° |
| | | | | -120.722182 ° | -120.722182 ° |
| DWR ID | 19840 | | | | |

Comment Code

Inspector Comment

DS_ID:19840
FS_ID:62057
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/16/2014 No access available on landward side. Need to confirm status of crossing. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.43), listed as a 24-inch CMP].
FS Date: 4/16/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.43 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 3.43 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62057_61134.jpg



Pipe, headwall, and flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62057_61133.jpg



Pipe, headwall, and flapgate on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 3.43 | Rating ** | M | Issue No. | 40 (cont) | |
| LM End | 3.43 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.253151 ° | 37.253151 ° | |
| | | | | -120.722182 ° | -120.722182 ° | |
| DWR ID | 19840 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62057_61132.jpg



Pipe likely at drainage swale off LS toe.

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.49 | Rating ** | M | Issue No. | 19 |
| LM End | 3.49 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.253403 ° | 37.253403 ° |
| | | | | -120.721095 ° | -120.721095 ° |
| DWR ID | DWR_NA0010_08_f_2018_19 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_126_19_20200901_00005.jpg



View of ruts forming in the levee crown. (Fall 2019)

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 09 Owens Creek Bypass | | | Right | 0.87 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/28/2020 - 4/28/2020 | | 10/14/2020 - 10/14/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.40 | Rating ** | A | Issue No. | 5 |
| LM End | 0.40 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.220018 ° | 37.220018 ° |
| | | | | -120.706391 ° | -120.706391 ° |
| DWR ID | DWR_NA0010_09_f _ 2020_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_127_5_20201028_00011.jpg



View of waterside slope looking downstream. (Fall 2020)

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---|---------------|
| LM Start | 0.47 | Rating ** | M | Issue No. | 6 | |
| LM End | 0.47 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.220416 ° | | 37.220416 ° |
| | | | | -120.705248 ° | | -120.705248 ° |
| DWR ID | 19841 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19841 | | | | | | |
| FS_ID:62059 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 04/22/2014 Concrete headwalls on landward and waterward under water. Need photo to confirm condition of concrete headwalls, pipe, and gate on both toes. (W. Wylie - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18.7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.48), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.47), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 4/22/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62059_62119.jpg



Slide gate in CMP riser on WS slope with outlet visible in background.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------------|
| LM Start | 0.47 | Rating ** | M | Issue No. | 6 (cont) |
| LM End | 0.47 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.220416 ° | 37.220416 ° | |
| | | | -120.705248 ° | -120.705248 ° | |
| DWR ID | 19841 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62059_62117.jpg



Concrete headwall visible under water on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.47 | Rating ** | M | Issue No. | 6 (cont) |
| LM End | 0.47 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62059_62118.jpg



Concrete headwall visible at inlet on LS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.69 | Rating ** | M | Issue No. | 7 |
| LM End | 0.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.219874 ° | 37.219874 ° |
| | | | | -120.701438 ° | -120.701438 ° |
| DWR ID | 19842 | | | | |

Comment Code

Inspector Comment

DS_ID:19842
FS_ID:62060
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/22/2014 Animal burrows in area on LS slope. Minor sediment buildup in pipe visible on landward side--recommend clearing. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.70), listed as a 24-inch CMP].
FS Date: 4/22/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.69 | Rating ** | M | Issue No. | 7 (cont) |
| LM End | 0.69 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62060_62128.jpg



Headwall, flapgate, and pipe on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62060_62132.jpg



Headwall, flapgate, and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.69 | Rating ** | M | Issue No. | 7 (cont) | |
| LM End | 0.69 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.219874 ° | 37.219874 ° | |
| | | | | -120.701438 ° | -120.701438 ° | |
| DWR ID | 19842 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62060_62129.jpg



Headwall and pipe on LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 4 |
| LM End | 0.86 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.220041 ° | 37.220041 ° |
| | | | | -120.698425 ° | -120.698425 ° |
| DWR ID | DWR_NA0010_09_f_2017_4 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_127_4_20200901_00001.jpg



View of slope erosion due to foot traffic. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start | 0.87 | Rating ** | A/W | Issue No. | 8 | |
| LM End | 0.87 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.220051 ° | 37.220051 ° | |
| | | | | -120.698374 ° | -120.698374 ° | |
| DWR ID | 19843 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19843 | | | | | | |
| FS_ID:62061 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: No Action Needed | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: | | | | | | |
| FIELD_STRUCT_DESC: [Crane Irrigation Structure] 24-inch corrugated metal gravity drainage pipe through the levee, 9.7 feet below the crown. Two slide gates in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. WS end cobble revetted on the bank and in the outlet drain. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.87), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.87), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 4/22/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62061_62134.jpg



48-inch CMP riser with slide gates on WS slope.

| | | | | | |
|----------|-------------|--------------|-----|------------|-----------------|
| LM Start | 0.87 | Rating ** | A/W | Issue No. | 8 (cont) |
| LM End | 0.87 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62061_62133.jpg



Inside CMP riser on WS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.87 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|-----|------------------------|-----------------|
| LM Start | 0.87 | Rating ** | A/W | Issue No. | 8 (cont) |
| LM End | 0.87 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.220051 ° | 37.220051 ° |
| | | | | -120.698374 ° | -120.698374 ° |
| DWR ID | 19843 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62061_62137.jpg



Outlet at WS 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 10 Owens Creek Bypass | | | Left | 0.80 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/28/2020 - 4/28/2020 | | 10/14/2020 - 10/14/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 10 Owens Creek Bypass | Left | 0.80 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.30 | Rating ** | M | Issue No. | 3 | |
| LM End | 0.30 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.219116 ° | 37.219116 ° | |
| | | | | -120.706652 ° | -120.706652 ° | |
| DWR ID | 19845 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19845 FS_ID:62062 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/22/2014 Inlet blocked at LS toe by wooden gate. Need to contact owner to determine status. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 19.6 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.31), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.31), listed as a 24-inch CMP]. FS Date: 4/22/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 0.30 | Rating ** | M | Issue No. | 3 (cont) |
| LM End | 0.30 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62062_62144.jpg



Headwall and pipe visible on LS toe. Slide gate inside 48-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2020_62062_62146.jpg



Headwall and pipe on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|----------------|
| Unit No. 10 Owens Creek Bypass | Left | 0.80 | 10/14/2020 10/14/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.30 | Rating ** | M | Issue No. | 3 (cont) | |
| LM End | 0.30 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.219116 ° | 37.219116 ° | |
| | | | | -120.706652 ° | -120.706652 ° | |
| DWR ID | 19845 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62062_62145.jpg



Headwall and pipe on LS toe. Pipe blocked by wooden cover.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.46 | Rating ** | A | Issue No. | 2 |
| LM End | 0.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.219607 ° | 37.219607 ° |
| | | | | -120.703796 ° | -120.703796 ° |
| DWR ID | DWR_NA0010_10_f_2020_2 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_128_2_20201028_00004.jpg



View of the landside slope looking downstream. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 11 Mariposa Bypass | | | Right | 3.31 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/21/2020 - 4/21/2020 | | 10/13/2020 - 10/13/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.16 | Rating ** | M | Issue No. | 10 |
| LM End | 0.16 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202730 ° | 37.202730 ° |
| | | | | -120.752270 ° | -120.752270 ° |
| DWR ID | DWR_NA0010_11_f_2018_10 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage is from livestock crossing. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_10_20201028_00029.jpg



View of livestock damage to the landside slope. (Fall 2020)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 11 |
| LM End | 0.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202731 ° | 37.202731 ° |
| | | | | -120.751389 ° | -120.751389 ° |
| DWR ID | DWR_NA0010_11_f _ 2018_11 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage is from livestock on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_11_20200901_00003.jpg



View of slope damage on landside. (Fall 2018)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 13 |
| LM End | 0.21 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202731 ° | 37.202731 ° |
| | | | | -120.751389 ° | -120.751389 ° |
| DWR ID | DWR_NA0010_11_s_2020_13 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage to the levee slope from livestock traffic. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_13_20200901_00006.jpg



View of damage on waterside shoulder and slope. (Fall 2018)

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.42 | Rating ** | M | Issue No. | 18 | |
| LM End | 0.42 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.202754 ° | 37.202754 ° | |
| | | | | -120.747689 ° | -120.747689 ° | |
| DWR ID | 19846 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19846 FS_ID:62063 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.43), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.42), listed as a 24-inch CMP]. FS Date: 4/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.42 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.42 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62063_66644.jpg



View of slide gate inside CMP riser located on waterward slope.

Photo 2 of 3 : UCIP_FA_2020_62063_66643.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.42 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.42 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202754 ° | 37.202754 ° | |
| | | | -120.747689 ° | -120.747689 ° | |
| DWR ID | 19846 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62063_66642.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 19 |
| LM End | 0.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202751 ° | 37.202751 ° | |
| | | | -120.743474 ° | -120.743474 ° | |
| DWR ID | 19847 | | | | |

Comment Code

Inspector Comment

DS_ID:19847
 FS_ID:62064
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.65), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.65), listed as a 24-inch CMP].
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62064_61997.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202751 ° | 37.202751 ° | |
| | | | -120.743474 ° | -120.743474 ° | |
| DWR ID | 19847 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62064_61996.jpg



View of landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.65 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 0.65 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62064_61999.jpg



Flap gate and concrete apron located on waterward side.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.68 | Rating ** | M | Issue No. | 14 |
| LM End | 2.74 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.202741 ° | 37.202712 ° |
| | | | | -120.742833 ° | -120.705555 ° |
| DWR ID | DWR_NA0010_11_f_2020_14 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_14_20201028_00030.jpg



View of the landside slope looking upstream. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|----|---------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 20 | |
| LM End | 0.84 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202745 ° | | 37.202745 ° |
| | | | | -120.739935 ° | | -120.739935 ° |
| DWR ID | 19848 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19848 FS_ID:62065 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.3 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.85), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.84), listed as a 24-inch CMP]. FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62065_62003.jpg



Overview of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 0.84 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62065_62002.jpg



Concrete headwall and flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 0.84 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202745 ° | 37.202745 ° | |
| | | | -120.739935 ° | -120.739935 ° | |
| DWR ID | 19848 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62065_62001.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.13 | Rating ** | M | Issue No. | 21 |
| LM End | 1.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202748 ° | 37.202748 ° | |
| | | | -120.734796 ° | -120.734796 ° | |
| DWR ID | 19849 | | | | |

Comment Code

Inspector Comment

DS_ID:19849
 FS_ID:62066
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.13), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.13), listed as a 24-inch CMP].
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62066_62008.jpg



View of waterward side--flap gate visible at levee 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.13 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 1.13 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202748 ° | 37.202748 ° | |
| | | | -120.734796 ° | -120.734796 ° | |
| DWR ID | 19849 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62066_62007.jpg



View of landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.13 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 1.13 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62066_62006.jpg



Concrete headwall located on landward side.

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.49 | Rating ** | A/W | Issue No. | 9 |
| LM End | 1.49 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202748 ° | 37.202748 ° |
| | | | | -120.728182 ° | -120.728182 ° |
| DWR ID | DWR_NA0010_11_f_2017_9 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_9_20201028_00031.jpg



View of livestock trail on the landside slope. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.49 | Rating ** | M | Issue No. | 22 |
| LM End | 1.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202753 ° | 37.202753 ° |
| | | | | -120.728133 ° | -120.728133 ° |
| DWR ID | 19850 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19850 FS_ID:62067 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal gravity drainage pipe through the levee, 16.3 feet below the crown. Slide gate in a pipe riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.50), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.50), listed as a 48-inch CMP]. FS Date: 4/18/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62067_62018.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.49 | Rating ** | M | Issue No. | 22 (cont) |
| LM End | 1.49 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62067_62017.jpg



View of concrete headwall located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.49 | Rating ** | M | Issue No. | 22 (cont) |
| LM End | 1.49 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202753 ° | 37.202753 ° |
| | | | | -120.728133 ° | -120.728133 ° |
| DWR ID | 19850 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62067_62016.jpg



Inside view of pipe from waterward side--sediment build up.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.77 | Rating ** | M | Issue No. | 1 |
| LM End | 1.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202743 ° | 37.202743 ° |
| | | | | -120.723187 ° | -120.723187 ° |
| DWR ID | DWR_NA0010_11_s_2012_1 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 1.98 | Rating ** | M | Issue No. | 23 | |
| LM End | 1.98 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202740 ° | 37.202740 ° | |
| | | | | -120.719247 ° | -120.719247 ° | |
| DWR ID | 19851 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19851 FS_ID:62068 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.8 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.99), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.99), listed as a 24-inch CMP]. FS Date: 4/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 23 (cont) |
| LM End | 1.98 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62068_62024.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62068_62025.jpg



Flap gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.98 | Rating ** | M | Issue No. | 23 (cont) |
| LM End | 1.98 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.202740 ° | 37.202740 ° | |
| | | | -120.719247 ° | -120.719247 ° | |
| DWR ID | 19851 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62068_62023.jpg



View of landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.31 | Rating ** | M | Issue No. | 17 |
| LM End | 2.31 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202730 ° | 37.202730 ° |
| | | | | -120.713368 ° | -120.713368 ° |
| DWR ID | DWR_NA0010_11_f_2019_17 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_129_17_20200901_00007.jpg



Damage to the landside slope from livestock traffic. (Fall 2019)

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.46 | Rating ** | A/W | Issue No. | 12 |
| LM End | 2.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.202712 ° | 37.202712 ° |
| | | | | -120.710633 ° | -120.710633 ° |
| DWR ID | DWR_NA0010_11_f_2018_12 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage is from livestock to both landside and waterside slopes. | | | | | |

Photo 1 of 2 : FA_2020_NA0010_129_12_20200901_00004.jpg



View of landside slope. (Fall 2018)

*** 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

Levee Inspection Report By Mile - Fall 2020

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

Photo 2 of 2 : FA_2020_NA0010_129_12_20200901_00005.jpg



View of waterside slope. (Fall 2018)

Photo 1 of 3 : UCIP_FA_2020_62069_62028.jpg



Overview of waterward side--flap gate, concrete headwall and apron visible on levee toe.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.04 | Rating ** | M | Issue No. | 24 (cont) |
| LM End | 3.04 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.202494 ° | 37.202494 ° |
| | | | | -120.700153 ° | -120.700153 ° |
| DWR ID | 19852 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62069_62027.jpg



View of landward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.04 | Rating ** | M | Issue No. | 24 (cont) |
| LM End | 3.04 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62069_62030.jpg



Concrete headwall located on landward side--debris in front of headwall.

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 12 Mariposa Bypass | | | Left | 3.33 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 4/21/2020 - 4/21/2020 | | 10/13/2020 - 10/13/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 15 |
| LM End | 0.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200934 ° | 37.200934 ° | |
| | | | -120.747996 ° | -120.747996 ° | |
| DWR ID | 19855 | | | | |

Comment Code

Inspector Comment

DS_ID:19855
FS_ID:62072
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.41), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.39), listed as a 24-inch CMP].
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 0.40 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62072_66647.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62072_66649.jpg



Concrete headwall and flap gate visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.40 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 0.40 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200934 ° | 37.200934 ° | |
| | | | -120.747996 ° | -120.747996 ° | |
| DWR ID | 19855 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62072_66648.jpg



View of waterward side--medium grass throughout slope.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.06 | Rating ** | M | Issue No. | 16 |
| LM End | 1.06 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200922 ° | 37.200922 ° | |
| | | | -120.736012 ° | -120.736012 ° | |
| DWR ID | 19856 | | | | |

Comment Code

Inspector Comment

DS_ID:19856
 FS_ID:62073
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.06), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.06), listed as a 24-inch CMP].
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62073_62048.jpg



View of waterward side.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.06 | Rating ** | M | Issue No. | 16 (cont) |
| LM End | 1.06 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200922 ° | 37.200922 ° | |
| | | | -120.736012 ° | -120.736012 ° | |
| DWR ID | 19856 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62073_62049.jpg



Concrete headwall and flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.06 | Rating ** | M | Issue No. | 16 (cont) |
| LM End | 1.06 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62073_62047.jpg



View of landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.06 | Rating ** | M | Issue No. | 14 |
| LM End | 1.07 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.200924 ° | 37.200923 ° |
| | | | | -120.735998 ° | -120.735747 ° |
| DWR ID | DWR_NA0010_12_f_2018_14 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Damage along slope is caused by livestock cutting into the 2:1 slope. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 17 |
| LM End | 1.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.200919 ° | 37.200919 ° |
| | | | | -120.732234 ° | -120.732234 ° |
| DWR ID | 19857 | | | | |

Comment Code

Inspector Comment

DS_ID:19857
FS_ID:62074
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/18/2014 Landward side not accessible due to dense vegetation and fence. Concrete headwall and flap gate under water therefore not able to evaluate condition. Will need to coordinate with owner to evaluate condition of crossing on waterward side and obtain access to evaluate landward side. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 17.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.28), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.27), listed as a 24-inch CMP].
FS Date: 4/18/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 1.27 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62074_66654.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2020_62074_66652.jpg



View of waterward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.27 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 1.27 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200919 ° | 37.200919 ° | |
| | | | -120.732234 ° | -120.732234 ° | |
| DWR ID | 19857 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62074_66653.jpg



View of concrete wall underwater.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 18 |
| LM End | 1.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200913 ° | 37.200913 ° | |
| | | | -120.727496 ° | -120.727496 ° | |
| DWR ID | 19858 | | | | |

Comment Code

Inspector Comment

DS_ID:19858
 FS_ID:62075
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/18/2014 Limited access on landward side due to fence and dense vegetation. Recommend obtaining access to landward side and clear vegetation on landward side. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.53), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.53), listed as a 24-inch CMP].
 FS Date: 4/18/2014

Photo 1 of 3 : UCIP_FA_2020_62075_62060.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 1.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200913 ° | 37.200913 ° | |
| | | | -120.727496 ° | -120.727496 ° | |
| DWR ID | 19858 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62075_62061.jpg



Concrete headwall and flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 1.53 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62075_62059.jpg



View of landward side--limited access due to fence.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.16 | Rating ** | M | Issue No. | 19 | |
| LM End | 2.16 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.200908 ° | 37.200908 ° | |
| | | | | -120.716118 ° | -120.716118 ° | |
| DWR ID | 19859 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19859 FS_ID:62076 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing vegetation from landward side--headwall blocked. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.16), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.16), listed as a 24-inch CMP]. FS Date: 4/18/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62076_62064.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.16 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 2.16 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62076_62063.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.16 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 2.16 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.200908 ° | 37.200908 ° |
| | | | | -120.716118 ° | -120.716118 ° |
| DWR ID | 19859 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62076_62062.jpg



Dense vegetation on landward side--limited access due to fence along landward side.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.33 | Rating ** | C | Issue No. | 1 |
| LM End | 2.33 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.200907 ° | 37.200907 ° |
| | | | | -120.712978 ° | -120.712978 ° |
| DWR ID | DWR_NA0010_12_s_2012_1 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 2.70 | Rating ** | M | Issue No. | 20 | |
| LM End | 2.70 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.200906 ° | 37.200906 ° | |
| | | | | -120.706316 ° | -120.706316 ° | |
| DWR ID | 19860 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19860 FS_ID:62077 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/18/2014 Need to contact owner. Recommend clearing sediment deposit inside pipe. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.7 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.70), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.70), listed as a 24-inch CMP]. FS Date: 4/18/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.70 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 2.70 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62077_62069.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62077_62070.jpg



Concrete headwall and flat gate located on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.70 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 2.70 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200906 ° | 37.200906 ° | |
| | | | -120.706316 ° | -120.706316 ° | |
| DWR ID | 19860 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62077_62068.jpg



View of landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 3.00 | Rating ** | M | Issue No. | 21 |
| LM End | 3.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200931 ° | 37.200931 ° | |
| | | | -120.700908 ° | -120.700908 ° | |
| DWR ID | 19861 | | | | |

Comment Code

Inspector Comment

DS_ID:19861
 FS_ID:62078
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 11/09/2015 DWR Inspection section confirmed issue has been addressed. Need to coordinate with LMA to determine additional details for extent of repair. (O. Magana - DWR UCIP)04/18/2014 Soil missing behind concrete headwall on waterward side. Unable to determine if missing soil is due to sink holes, rodent activity, or due to erosion. Headwall appears to be leaning slightly forward. Reason why this crossing was labelled urgent was due to the uncertainty of damage to concrete headwall and reason for soil missing behind concrete. Need to coordinate with LMA to determine more information about repair at this location. (O. Magana -DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.00), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.00), listed as a 24-inch CMP].
 FS Date: 11/10/2015 9:29:00 AM

Photo 1 of 3 : UCIP_FA_2020_62078_62073.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 3.00 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 3.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.200931 ° | 37.200931 ° | |
| | | | -120.700908 ° | -120.700908 ° | |
| DWR ID | 19861 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62078_74729.jpg



Repair to headwall located on waterward side has been addressed.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 3.00 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 3.00 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62078_62072.jpg



Side view of concrete headwall which appears to be slightly slanted forward--missing soil behind headwall.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.12 | Rating ** | A | Issue No. | 10 |
| LM End | 3.12 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.200918 ° | 37.200918 ° |
| | | | | -120.698648 ° | -120.698648 ° |
| DWR ID | DWR_NA0010_12_f_2020_10 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_130_10_20201028_00022.jpg



View the landside slope looking upstream. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|----------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 10/13/2020 10/13/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|------------------------|---------------|----|
| LM Start | 3.33 | Rating ** | M | Issue No. | 22 |
| LM End | 3.33 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.200954 ° | 37.200954 ° | |
| | | | -120.694795 ° | -120.694795 ° | |
| DWR ID | 19906 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19906 FS_ID:62079 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 04/18/2014 Unable to confirm if crossing recorded as Unit 6 9.735 is the same as this one. No way to measure diameter crossing has slide gate on landward side. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Eastside Canal Siphon] 48-inch corrugated metal irrigation siphon pipe through the levee and under the channel, 17.5 feet below the crown. Slide gate on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 3.36), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 3.36), listed as a 48-inch CMP]. FS Date: 4/18/2014 | | | | | |

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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 13 Ash Slough | | | Right | 1.27 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/29/2020 - 4/29/2020 | | 10/15/2020 - 10/15/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|----------------|
| Unit No. 13 Ash Slough | Right | 1.27 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.15 | Rating ** | C | Issue No. | 3 |
| LM End | 0.15 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.035760 ° | 37.035760 ° |
| | | | | -120.441282 ° | -120.441282 ° |
| DWR ID | DWR_NA0010_13_s_2012_3 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.26 | Rating ** | M | Issue No. | 8 |
| LM End | 0.26 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.037213 ° | 37.037213 ° |
| | | | | -120.440661 ° | -120.440661 ° |
| DWR ID | DWR_NA0010_13_f_2018_8 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.73 | Rating ** | M | Issue No. | 7 |
| LM End | 1.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.043081 ° | 37.046281 ° |
| | | | | -120.436372 ° | -120.428265 ° |
| DWR ID | DWR_NA0010_13_f_2020_7 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_131_7_20201109_00011.jpg



View of the landside slope looking upstream. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|----------------|
| Unit No. 13 Ash Slough | Right | 1.27 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.90 | Rating ** | C | Issue No. | 9 |
| LM End | 0.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.044778 ° | 37.044778 ° |
| | | | | -120.434198 ° | -120.434198 ° |
| DWR ID | DWR_NA0010_13_f_2018_9 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.91 | Rating ** | M | Issue No. | 5 |
| LM End | 0.91 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.044855 ° | 37.044855 ° |
| | | | | -120.434106 ° | -120.434106 ° |
| DWR ID | DWR_NA0010_13_s_2014_5 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| There is an unauthorized ramp on waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_131_5_20200901_00002.jpg



Unauthorized ramp constructed on the waterside slope.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.14 | Rating ** | U | Issue No. | 6 |
| LM End | 1.14 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.045541 ° | 37.045541 ° |
| | | | | -120.430014 ° | -120.430014 ° |
| DWR ID | DWR_NA0010_13_f_2015_6 | | | | |
| Comment Code | | | | | |
| WL : Wall | | | | | |
| Inspector Comment | | | | | |
| Sand dam may have been blown out due to high flows in 2017 but has been restored. The sand dam referenced in this issue is an unauthorized construction in the channel by the landowner. It blocks the entire channel. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_131_6_20201109_00012.jpg



Downstream view of sand dam constructed upstream of the Ash Slough Drop Structure 4. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|----------------|
| Unit No. 13 Ash Slough | Right | 1.27 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 10 |
| LM End | 1.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.045872 ° | 37.045872 ° | |
| | | | -120.430070 ° | -120.430070 ° | |
| DWR ID | 19727 | | | | |

Comment Code

Inspector Comment

DS_ID:19727
FS_ID:62080
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/27/2014 Appears abandoned and if so should be done so properly. Pipe filled with soil on WS at outlet. Actuator missing from slide gate on WS shoulder. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 1 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.14), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.14), listed as a 36-inch CMP].
FS Date: 3/27/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 1.14 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62080_59385.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2020_62080_59384.jpg



Concrete box on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|----------------|
| Unit No. 13 Ash Slough | Right | 1.27 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 10 (cont) |
| LM End | 1.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.045872 ° | 37.045872 ° | |
| | | | -120.430070 ° | -120.430070 ° | |
| DWR ID | 19727 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62080_59389.jpg



Concrete box on WS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 11 |
| LM End | 1.14 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.045870 ° | 37.045870 ° | |
| | | | -120.430080 ° | -120.430080 ° | |
| DWR ID | 19908 | | | | |

Comment Code

Inspector Comment

DS_ID:19908
 FS_ID:62081
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/27/2014 No lid on riser at WS shoulder could be safety issue. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 12.3 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 12-foot concrete distribution box on the landside (LS). 7-foot by 14-foot concrete outlet structure on the WS toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.14), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.14), listed as a 36-inch CMP].
 FS Date: 3/27/2014

Photo 1 of 3 : UCIP_FA_2020_62081_59390.jpg



Slide gate in CMP riser without lid on WS shoulder.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|----------------|
| Unit No. 13 Ash Slough | Right | 1.27 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 1.14 | Rating ** | M | Issue No. | 11 (cont) | |
| LM End | 1.14 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.045870 ° | 37.045870 ° | |
| | | | | -120.430080 ° | -120.430080 ° | |
| DWR ID | 19908 | | | | | |

Photo 2 of 3 : UCIP_FA_2020_62081_59392.jpg



Concrete distribution box on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.14 | Rating ** | M | Issue No. | 11 (cont) |
| LM End | 1.14 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62081_59391.jpg



Pipe at outlet on WS 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 14 Ash Slough | | | Left | 1.28 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/29/2020 - 4/29/2020 | | 10/15/2020 - 10/15/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|----------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.01 | Rating ** | M | Issue No. | 7 |
| LM End | 1.08 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.032550 ° | 37.044655 ° |
| | | | | -120.441195 ° | -120.430795 ° |
| DWR ID | DWR_NA0010_14_f_2020_7 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.25 | Rating ** | A/W | Issue No. | 5 |
| LM End | 0.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.035841 ° | 37.035841 ° |
| | | | | -120.439795 ° | -120.439795 ° |
| DWR ID | DWR_NA0010_14_f_2017_5 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_132_5_20200901_00001.jpg



Looking at the landside slope.

| | | | | | |
|-------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.34 | Rating ** | M | Issue No. | 6 |
| LM End | 0.34 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.037058 ° | 37.037058 ° |
| | | | | -120.439266 ° | -120.439266 ° |
| DWR ID | DWR_NA0010_14_f_2018_6 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|----------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.86 | Rating ** | M | Issue No. | 4 |
| LM End | 0.86 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.043183 ° | 37.043183 ° |
| | | | | -120.434323 ° | -120.434323 ° |
| DWR ID | DWR_NA0010_14_f_2018_4 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are noted on the landside slope. | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 80 |
| LM End | 1.15 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.044906 ° | 37.044906 ° |
| | | | | -120.429695 ° | -120.429695 ° |
| DWR ID | 19909 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19909 FS_ID:62082 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 03/27/2014 Lid should be installed on CMP riser on WS slope, could be a safety hazard. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: [Rounder Irrigation Structure] 36-inch corrugated metal gravity irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. 6-foot by 7-foot concrete distribution box at the WS toe. Slots for wooden flashboards on the WS of the box. 7-foot by 9-foot concrete distribution box on the landside (LS), 20 feet from the toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.15), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.15), listed as a 36-inch CMP]. FS Date: 3/27/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62082_59398.jpg



Slide gate in CMP riser and outlet/inlet structure visible in background at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|----------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 80 (cont) |
| LM End | 1.15 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.044906 ° | 37.044906 ° |
| | | | | -120.429695 ° | -120.429695 ° |
| DWR ID | 19909 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62082_59396.jpg



concrete inlet/outlet at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.15 | Rating ** | M | Issue No. | 80 (cont) |
| LM End | 1.15 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62082_59397.jpg



Concrete distribution box visible next to power pole off LS toe.

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.15 | Rating ** | A/W | Issue No. | 3 |
| LM End | 1.26 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.044939 ° | 37.045416 ° |
| | | | | -120.429636 ° | -120.427719 ° |
| DWR ID | DWR_NA0010_14_f_2020_3 | | | | |
| Comment Code | | | | | |
| DT : Ditch | | | | | |
| Inspector Comment | | | | | |
| Retention pond dug approx. 20 feet from landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_132_3_20201109_00009.jpg



Retention basin dug approximately 20 ft from the landside toe. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|----------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.24 | Rating ** | M | Issue No. | 79 |
| LM End | 1.24 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.045343 ° | 37.045343 ° |
| | | | | -120.428007 ° | -120.428007 ° |
| DWR ID | DWR_NA0010_14_s_2015_79 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are noted on the landside at this location. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_132_79_20201109_00010.jpg



View of rodent burrows on the landside slope. (Fall 2020)

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.26 | Rating ** | A/W | Issue No. | 81 |
| LM End | 1.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.045383 ° | 37.045383 ° |
| | | | | -120.427754 ° | -120.427754 ° |
| DWR ID | 19910 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19910 FS_ID:62083 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Slide gate in a 42-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the WS end. Pipe terminates into a concrete ditch on the landside (LS). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.26), listed as a 36-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.26), listed as a 36-inch CMP]. FS Date: 3/27/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62083_59402.jpg



Concrete U-shaped headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|----------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.26 | Rating ** | A/W | Issue No. | 81 (cont) |
| LM End | 1.26 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.045383 ° | 37.045383 ° | |
| | | | -120.427754 ° | -120.427754 ° | |
| DWR ID | 19910 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62083_59401.jpg



slidegate in CMP riser on WS slope.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 1.26 | Rating ** | A/W | Issue No. | 81 (cont) |
| LM End | 1.26 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62083_59400.jpg



Inlet assumed to be within irrigation structure off LS toe.

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 15 Berenda Slough | | | Right | 2.03 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/29/2020 - 4/29/2020 | | 10/15/2020 - 10/15/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 4 |
| LM End | 1.97 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.996591 ° | 36.996582 ° |
| | | | | -120.410469 ° | -120.374763 ° |
| DWR ID | DWR_NA0010_15_f_2020_4 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_133_4_20201109_00010.jpg



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

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | U | Issue No. | 5 |
| LM End | 1.56 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.996553 ° | 36.996581 ° |
| | | | | -120.409329 ° | -120.382142 ° |
| DWR ID | DWR_NA0010_15_f_2020_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_133_5_20201109_00011.jpg



View of the waterside slope looking upstream. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.48 | Rating ** | A/W | Issue No. | 12 |
| LM End | 0.48 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.996551 ° | 36.996551 ° |
| | | | | -120.401737 ° | -120.401737 ° |
| DWR ID | 19911 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19911 FS_ID:62084 EP_NO: N/A Repair Type: No Action Needed EVAL Issue: Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 10.1 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.49), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 0.48), listed as a 2.5-feet by 2.5-feet RCBC]. FS Date: 3/27/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62084_59448.jpg



Concrete headwall on WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 0.48 | Rating ** | A/W | Issue No. | 12 (cont) |
| LM End | 0.48 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62084_59449.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.48 | Rating ** | A/W | Issue No. | 12 (cont) |
| LM End | 0.48 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.996551 ° | 36.996551 ° | |
| | | | -120.401737 ° | -120.401737 ° | |
| DWR ID | 19911 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62084_59447.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 1.00 | Rating ** | M | Issue No. | 13 |
| LM End | 1.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.996566 ° | 36.996566 ° | |
| | | | -120.392280 ° | -120.392280 ° | |
| DWR ID | 19912 | | | | |

Comment Code

Inspector Comment

DS_ID:19912
 FS_ID:62085
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 03/27/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.01), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.01), listed as a 2.5-feet by 2.5-feet RCBC].
 FS Date: 3/27/2014

Photo 1 of 3 : UCIP_FA_2020_62085_59452.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.00 | Rating ** | M | Issue No. | 13 (cont) |
| LM End | 1.00 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.996566 ° | 36.996566 ° |
| | | | | -120.392280 ° | -120.392280 ° |
| DWR ID | 19912 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62085_59453.jpg



Flapgate on concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.00 | Rating ** | M | Issue No. | 13 (cont) |
| LM End | 1.00 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62085_59451.jpg



Concrete headwall on LS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 14 |
| LM End | 1.53 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.996582 ° | 36.996582 ° |
| | | | | -120.382757 ° | -120.382757 ° |
| DWR ID | 19913 | | | | |

Comment Code

Inspector Comment

DS_ID:19913
FS_ID:62086
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 03/27/2014 Excessive vegetation at inlet on LS toe.
(W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 1.54), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.53), listed as a 2.5-feet by 2.5-feet RCBC].
FS Date: 3/27/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 14 (cont) |
| LM End | 1.53 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62086_59456.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62086_59457.jpg



Flapgate on concrete headwall at WS toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|----------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.53 | Rating ** | M | Issue No. | 14 (cont) | |
| LM End | 1.53 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.996582 ° | 36.996582 ° | |
| | | | | -120.382757 ° | -120.382757 ° | |
| DWR ID | 19913 | | | | | |

Photo 3 of 3 : UCIP_FA_2020_62086_59455.jpg



Concrete headwall on LS toe. Note excessive vegetation buildup.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.56 | Rating ** | M | Issue No. | 6 |
| LM End | 1.97 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.996581 ° | 36.996582 ° |
| | | | | -120.382142 ° | -120.374763 ° |
| DWR ID | DWR_NA0010_15_f_2020_6 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.65 | Rating ** | M | Issue No. | 11 |
| LM End | 1.99 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 36.996575 ° | 36.996587 ° |
| | | | | -120.380605 ° | -120.374503 ° |
| DWR ID | DWR_NA0010_15_s_2012_11 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes along this section causing ruts in the crown. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 16 Berenda Slough | | | Left | 1.96 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/29/2020 - 4/29/2020 | | 10/15/2020 - 10/15/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|----------------|
| Unit No. 16 Berenda Slough | Left | 1.96 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | U | Issue No. | 6 |
| LM End | 1.95 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.995407 ° | 36.995498 ° |
| | | | | -120.408703 ° | -120.373771 ° |
| DWR ID | DWR_NA0010_16_f _ 2020_6 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_134_6_20201109_00007.jpg



Looking downstream along the waterside slope. (Fall 2020)

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.02 | Rating ** | U | Issue No. | 5 |
| LM End | 1.95 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.995407 ° | 36.995496 ° |
| | | | | -120.408703 ° | -120.373771 ° |
| DWR ID | DWR_NA0010_16_f_2020_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_134_5_20201109_00008.jpg



View of the landside slope looking upstream. (Fall 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.93 | Rating ** | M | Issue No. | 92 |
| LM End | 0.93 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995439 ° | 36.995439 ° |
| | | | | -120.392146 ° | -120.392146 ° |
| DWR ID | DWR_NA0010_16_s_2015_92 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are identified within this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_134_92_20200901_00003.jpg



Looking at several rodent holes on landward slope.

* 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|----------------|
| Unit No. 16 Berenda Slough | Left | 1.96 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.09 | Rating ** | M | Issue No. | 3 |
| LM End | 1.09 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995433 ° | 36.995433 ° |
| | | | | -120.389190 ° | -120.389190 ° |
| DWR ID | DWR_NA0010_16_f_2016_3 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are identified on the levee crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_134_3_20200901_00002.jpg



Looking at several rodent holes and mole holes on levee crown.

| | | | | | |
|--|---------------------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.38 | Rating ** | A/W | Issue No. | 9 |
| LM End | 1.89 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 36.995478 ° | 36.995492 ° |
| | | | | -120.383970 ° | -120.374852 ° |
| DWR ID | DWR_NA0010_16_s_2019_9 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.41 | Rating ** | M | Issue No. | 12 |
| LM End | 1.41 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995467 ° | 36.995467 ° |
| | | | | -120.383492 ° | -120.383492 ° |
| DWR ID | DWR_NA0010_16_f_2019_12 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|----------------|
| Unit No. 16 Berenda Slough | Left | 1.96 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.44 | Rating ** | M | Issue No. | 93 | |
| LM End | 1.44 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.995473 ° | 36.995473 ° | |
| | | | | -120.382872 ° | -120.382872 ° | |
| DWR ID | 19915 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19915 FS_ID:62089 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation buildup at landside toe--recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Two concrete cutoff walls. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.46), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 1.46), listed as a 2.5-feet by 2.5-feet RCBC]. FS Date: 4/1/2014 8:12:00 AM | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 93 (cont) |
| LM End | 1.44 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62089_59681.jpg



Concrete headwall on WS toe with channel.

Photo 2 of 3 : UCIP_FA_2020_62089_59680.jpg



Flapgate on headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|----------------|
| Unit No. 16 Berenda Slough | Left | 1.96 | 10/15/2020 10/15/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 93 (cont) |
| LM End | 1.44 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.995473 ° | 36.995473 ° |
| | | | | -120.382872 ° | -120.382872 ° |
| DWR ID | 19915 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62089_59682.jpg



Concrete headwall on LS toe covered in vegetation/tumble weeds.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.68 | Rating ** | M | Issue No. | 4 |
| LM End | 1.68 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995503 ° | 36.995503 ° |
| | | | | -120.378579 ° | -120.378579 ° |
| DWR ID | DWR_NA0010_16_s_2014_4 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.77 | Rating ** | U | Issue No. | 2 |
| LM End | 1.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.995487 ° | 36.995487 ° |
| | | | | -120.377054 ° | -120.377054 ° |
| DWR ID | DWR_NA0010_16_f_2014_2 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Large rodent holes are on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_134_2_20200901_00001.jpg



Looking southwest at several rodent holes on landward slope.

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 17 Chowchilla Canal Bypass | | | Right | 16.09 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/30/2020 - 4/30/2020 | | 10/20/2020 - 10/20/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 12 |
| LM End | 1.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.976447 ° | 36.971591 ° |
| | | | | -120.374743 ° | -120.357006 ° |
| DWR ID | DWR_NA0010_17_f_2020_12 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_12_20201109_00030.jpg



View of the landside slope looking upstream. (Fall 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | U | Issue No. | 13 |
| LM End | 1.14 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.976446 ° | 36.971255 ° |
| | | | | -120.374746 ° | -120.356589 ° |
| DWR ID | DWR_NA0010_17_f_2020_13 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_13_20201109_00031.jpg



Looking upstream along the waterside slope. (Fall 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.12 | Rating ** | M | Issue No. | 14 |
| LM End | 5.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.971518 ° | 36.912826 ° |
| | | | | -120.356915 ° | -120.332701 ° |
| DWR ID | DWR_NA0010_17_f_2020_14 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.16 | Rating ** | M | Issue No. | 15 |
| LM End | 7.50 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.971080 ° | 36.884721 ° |
| | | | | -120.356369 ° | -120.320177 ° |
| DWR ID | DWR_NA0010_17_f _ 2020_15 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.57 | Rating ** | M | Issue No. | 40 | |
| LM End | 2.57 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.952254 ° | 36.952254 ° | |
| | | | | -120.348804 ° | -120.348804 ° | |
| DWR ID | 19916 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19916 FS_ID:62099 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 14.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.58), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 2.58), listed as a 5-feet by 4-feet RCBC]. FS Date: 4/1/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62099_59710.jpg



Concrete headwall at channel on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 2.57 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.952254 ° | 36.952254 ° | |
| | | | -120.348804 ° | -120.348804 ° | |
| DWR ID | 19916 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62099_59711.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.57 | Rating ** | M | Issue No. | 40 (cont) |
| LM End | 2.57 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62099_59709.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.75 | Rating ** | M | Issue No. | 8 |
| LM End | 5.90 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.908605 ° | 36.906507 ° |
| | | | | -120.331112 ° | -120.330353 ° |
| DWR ID | DWR_NA0010_17_s_2012_8 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Multiple rodent holes are noted on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_8_20200901_00004.jpg



Looking at several rodent holes on landside slope. (Fall 2014)

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

Lower San Joaquin Levee District

No Photos

Looking at typical view of rodent holes on landward slope.

Looking at typical view of rodent holes on landward slope.

Page 4 of 16

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.15 | Rating ** | M | Issue No. | 24 |
| LM End | 8.15 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.875525 ° | 36.875525 ° |
| | | | | -120.317788 ° | -120.317788 ° |
| DWR ID | DWR_NA0010_17_f_2017_24 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes are on the landside and crown of levee. Rodent holes have caused some erosion on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_24_20200901_00005.jpg



Looking east at the landside slope.

| | | | | | |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 8.37 | Rating ** | A/W | Issue No. | 41 |
| LM End | 8.37 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.872358 ° | 36.872358 ° |
| | | | | -120.317170 ° | -120.317170 ° |
| DWR ID | 19922 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19922 | | | | | |
| FS_ID:62092 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: No Action Needed | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: | | | | | |
| FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.38), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 8.38), listed as a 5-feet by 4-feet RCBC]. | | | | | |
| FS Date: 4/1/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62092_59718.jpg



Concrete headwall and channel on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 8.37 | Rating ** | A/W | Issue No. | 41 (cont) |
| LM End | 8.37 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.872358 ° | 36.872358 ° | |
| | | | -120.317170 ° | -120.317170 ° | |
| DWR ID | 19922 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62092_59720.jpg



Flapgate on concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|-----|------------|------------------|
| LM Start | 8.37 | Rating ** | A/W | Issue No. | 41 (cont) |
| LM End | 8.37 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62092_59719.jpg



Concrete headwall and channel on LS toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.60 | Rating ** | M | Issue No. | 17 |
| LM End | 16.05 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.869065 ° | 36.774830 ° |
| | | | | -120.316577 ° | -120.284122 ° |
| DWR ID | DWR_NA0010_17_f_2020_17 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_17_20201109_00032.jpg



Vegetation on the waterside slope looking upstream. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.10 | Rating ** | M | Issue No. | 18 |
| LM End | 16.03 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.861939 ° | 36.775054 ° |
| | | | | -120.315181 ° | -120.284311 ° |
| DWR ID | DWR_NA0010_17_f _ 2020_18 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_18_20201109_00033.jpg



Vegetation on the landside slope. (Fall 2020)

| | | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 9.88 | Rating ** | M | Issue No. | 42 | |
| LM End | 9.88 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.850703 ° | 36.850703 ° | |
| | | | | -120.314154 ° | -120.314154 ° | |
| DWR ID | 19917 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19917 FS_ID:62093 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15 feet below the crown. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.89), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 9.89), listed as a 5-feet by 4-feet RCBC]. FS Date: 4/1/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62093_59723.jpg



Concrete headwall and channel on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.88 | Rating ** | M | Issue No. | 42 (cont) |
| LM End | 9.88 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.850703 ° | 36.850703 ° | |
| | | | -120.314154 ° | -120.314154 ° | |
| DWR ID | 19917 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62093_59724.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.88 | Rating ** | M | Issue No. | 42 (cont) |
| LM End | 9.88 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62093_59722.jpg



Concrete headwall and channel on LS toe.

| | | | | | |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 11.03 | Rating ** | A/W | Issue No. | 35 |
| LM End | 11.03 | Issue Type + | En | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.836724 ° | 36.836724 ° |
| | | | | -120.305328 ° | -120.305328 ° |
| DWR ID | DWR_NA0010_17_f_2018_35 | | | | |
| Comment Code | | | | | |
| PI : Pipe | | | | | |
| Inspector Comment | | | | | |
| Temporary pipe and ramp were moved off the levee crown in Fall 2019 and are currently being stored on the waterside slope. | | | | | |

Photo 1 of 2 : FA_2020_NA0010_135_35_20200901_00006.jpg

View of ramp and temporary pipe material left on the waterside slope.
(Fall 2019)

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

Lower San Joaquin Levee District

Page 9 of 16

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.28 | Rating ** | M | Issue No. | 3 |
| LM End | 12.38 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.821368 ° | 36.820000 ° |
| | | | | -120.300283 ° | -120.300831 ° |
| DWR ID | DWR_NA0010_17_s_2014_3 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several rodent holes are identified within this reach. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_135_3_20200901_00001.jpg



Looking at typical view of rodent holes on landward slope. Fall 2015

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 13.29 | Rating ** | M | Issue No. | 43 |
| LM End | 13.29 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.807509 ° | 36.807509 ° |
| | | | | -120.306231 ° | -120.306231 ° |
| DWR ID | 19918 | | | | |
| Comment Code | | | | | |
| | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19918 | | | | | |
| FS_ID:62094 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: 04/01/2014 Some vegetation buildup at inlet--recommend clearing. (W. Wylie - DWR UCIP) | | | | | |
| FIELD_STRUCT_DESC: 48-inch by 60-inch reinforced concrete box gravity drainage culvert through the levee, 15.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 13.29), listed as a 48-inch by 60-inch reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 13.30), listed as a 5-feet by 4-feet RCBC]. | | | | | |
| FS Date: 4/1/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62094_59727.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 13.29 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 13.29 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.807509 ° | 36.807509 ° | |
| | | | -120.306231 ° | -120.306231 ° | |
| DWR ID | 19918 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62094_59726.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 13.29 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 13.29 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62094_59725.jpg



Concrete headwall on LS toe. Some vegetation buildup.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 14.38 | Rating ** | M | Issue No. | 44 |
| LM End | 14.38 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.793318 ° | 36.793318 ° |
| | | | | -120.302138 ° | -120.302138 ° |
| DWR ID | 24850 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:24850 | | | | | |
| FS_ID:62095 | | | | | |
| EP_NO: N/A | | | | | |
| Repair Type: Non-Urgent | | | | | |
| EVAL Issue: | | | | | |
| Crossing Status: Indicator Found | | | | | |
| UCIP Comments: 04/01/2014 No permit identified for this crossing. (W. Wylie - DWR UCIP) | | | | | |
| FIELD_STRUCT_DESC: Natural gas pipeline of an unknown size or material through the levee, at an unknown depth. Gas line markers on both shoulders. | | | | | |
| FS Date: 4/1/2014 | | | | | |

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 14.38 | Rating ** | M | Issue No. | 44 (cont) |
| LM End | 14.38 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62095_71490.jpg



Gasline marker on WS slope..

Photo 2 of 3 : UCIP_FA_2020_62095_71489.jpg



Gasline marker on LS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 14.38 | Rating ** | M | Issue No. | 44 (cont) |
| LM End | 14.38 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.793318 ° | 36.793318 ° | |
| | | | -120.302138 ° | -120.302138 ° | |
| DWR ID | 24850 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62095_71488.jpg



Gasline markers visible along right side of photo.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 14.39 | Rating ** | M | Issue No. | 45 |
| LM End | 14.39 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.793195 ° | 36.793195 ° | |
| | | | -120.302028 ° | -120.302028 ° | |
| DWR ID | 19562 | | | | |

Comment Code

Inspector Comment

DS_ID:19562
 FS_ID:62096
 EP_NO: 18568
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Indicator Found
 UCIP Comments: 7/20/2016 Marker visible on LS. WS marker missing.
 (O. Magana - DWR UCIP)4/01/2014 Need to contact owner to confirm and obtain status of crossing. Markers misleading--unable to confirm if markers correspond to this crossing. Need markers at levee.
 (W. Wylie)
 FIELD_STRUCT_DESC: 30-inch coated steel natural gas pipeline through the levee, approximately 60 feet below the crown. Gas line markers are visible on the waterside (WS) and the landside (LS). (30-inch horizontal directional bore (HDD) authorized under Permit No. 18568, 2010 - Gill Ranch Storage, LLC).
 FS Date: 7/20/2016

Photo 1 of 3 : UCIP_FA_2020_62096_59742.jpg



Gasline marker and concrete sump off LS toe.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 14.39 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 14.39 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.793195 ° | 36.793195 ° | |
| | | | -120.302028 ° | -120.302028 ° | |
| DWR ID | 19562 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62096_59741.jpg



Gasline marker visible in channell off WS toe.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 14.39 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 14.39 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62096_75506.jpg



View of WS.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 14.69 | Rating ** | M | Issue No. | 46 | |
| LM End | 14.69 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.789066 ° | 36.789066 ° | |
| | | | | -120.300644 ° | -120.300644 ° | |
| DWR ID | 19920 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19920 FS_ID:62098 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/01/2014 Heavy vegetation buildup at LS toe-- recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 14.70), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, (HLM 14.69), listed as a 2.5-feet by 2.5-feet RCBC]. FS Date: 4/1/2014 | | | | | | |

| | | | | | |
|----------|-------|--------------|----|------------|-----------|
| LM Start | 14.69 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 14.69 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62098_59745.jpg



Concrete headwall at WS toe.

Photo 2 of 3 : UCIP_FA_2020_62098_59747.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.69 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 14.69 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.789066 ° | 36.789066 ° |
| | | | | -120.300644 ° | -120.300644 ° |
| DWR ID | 19920 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62098_59746.jpg



Concrete headwall at channel on LS toe. Heavy vegetation buildup.

| | | |
|--|---|---|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 18 Chowchilla Canal Bypass | | | Left | 15.35 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/22/2020 - 5/1/2020 | | 10/21/2020 - 10/21/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 29 |
| LM End | 1.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.974150 ° | 36.957918 ° |
| | | | | -120.363299 ° | -120.354798 ° |
| DWR ID | DWR_NA0010_18_f _ 2020_29 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.00 | Rating ** | M | Issue No. | 28 |
| LM End | 1.42 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.974150 ° | 36.956311 ° |
| | | | | -120.363299 ° | -120.353799 ° |
| DWR ID | DWR_NA0010_18_f_2020_28 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_28_20201109_00023.jpg



Looking downstream along the landside slope. (Fall 2020)

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.78 | Rating ** | M | Issue No. | 55 |
| LM End | 0.78 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.964824 ° | 36.964824 ° |
| | | | | -120.358065 ° | -120.358065 ° |
| DWR ID | DWR_NA0010_18_f _ 2018_55 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_55_20200901_00010.jpg



View of rodent holes from levee toe looking towards centerline. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.44 | Rating ** | M | Issue No. | 7 |
| LM End | 1.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.956163 ° | 36.956163 ° |
| | | | | -120.353672 ° | -120.353672 ° |
| DWR ID | DWR_NA0010_18_f_2018_7 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes identified on landside slope and on the levee crown. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_7_20200901_00001.jpg



Looking at typical view of rodent holes within this section on landward slope.

| | | | | | |
|--------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.45 | Rating ** | A/W | Issue No. | 70 |
| LM End | 1.45 | Issue Type + | Ob | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.955936 ° | 36.955936 ° |
| | | | | -120.353540 ° | -120.353540 ° |
| DWR ID | DWR_NA0010_18_s_2019_70 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.65 | Rating ** | M | Issue No. | 69 |
| LM End | 1.65 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.953301 ° | 36.953301 ° |
| | | | | -120.351921 ° | -120.351921 ° |
| DWR ID | DWR_NA0010_18_s_2019_69 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.68 | Rating ** | M | Issue No. | 26 |
| LM End | 2.94 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.952978 ° | 36.936015 ° |
| | | | | -120.351740 ° | -120.343485 ° |
| DWR ID | DWR_NA0010_18_f_2020_26 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.69 | Rating ** | M | Issue No. | 71 | |
| LM End | 1.69 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.952821 ° | 36.952821 ° | |
| | | | | -120.351597 ° | -120.351597 ° | |
| DWR ID | 19925 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19925 FS_ID:39503 EP_NO: 6603 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 Need to contact owner. Appears abandoned--good candidate for video or pressure inspection. This crossings is the same age as the pipe that has failed immediately upstream. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe through the levee, 4.3 feet below the crown. Electrical conduit of an unknown size or material through the levee, 4.3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the waterside (WS) bank consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_39503_66660.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.69 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 1.69 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.952821 ° | 36.952821 ° | |
| | | | -120.351597 ° | -120.351597 ° | |
| DWR ID | 19925 | | | | |

Photo 2 of 3 : UCIP_FA_2020_39503_66657.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.69 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 1.69 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_39503_66658.jpg



Pump system located on waterward slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | M | Issue No. | 24 |
| LM End | 3.33 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.949758 ° | 36.930620 ° |
| | | | | -120.349750 ° | -120.341512 ° |
| DWR ID | DWR_NA0010_18_f_2020_24 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 2.25 | Rating ** | M | Issue No. | 72 |
| LM End | 2.25 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.945577 ° | 36.945577 ° | |
| | | | -120.347140 ° | -120.347140 ° | |
| DWR ID | 19926 | | | | |

Comment Code

Inspector Comment

DS_ID:19926
FS_ID:49968
EP_NO: 6603
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 7/20/2016 High burrow activity. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the WS and LS slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)4/10/2014 Subsidence present along pipe alignment on landward side. Modified crossing--worked done on landward side. Need to contact owner to determine permit authorizing work. Dense vegetation on landward side--tall grass. Pipe wall cut and new pipe sleeved on landward side. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 15-inch steel irrigation discharge pipe and electrical conduit through the levee, 3.7 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS berm. Inlet facility on the riverbank, consisting of a pump, a 42-inch concrete standpipe, and a 20-inch concrete channel with an intake pipe and a cutoff wall. (Plans to install a pump and outlet pipe at two locations on the left bank levee of the Chowchilla Bypass authorized under Permit No. 6603, 1969 - Raymond N. Costales). [Additional Reference(s): DWR Levee Log, 2002].
FS Date: 7/20/2016

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.25 | Rating ** | M | Issue No. | 72 (cont) |
| LM End | 2.25 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_49968_60558.jpg



Overview of LS--site modified.

Photo 2 of 3 : UCIP_FA_2020_49968_60559.jpg



View of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.25 | Rating ** | M | Issue No. | 72 (cont) |
| LM End | 2.25 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.945577 ° | 36.945577 ° | |
| | | | -120.347140 ° | -120.347140 ° | |
| DWR ID | 19926 | | | | |

Photo 3 of 3 : UCIP_FA_2020_49968_60560.jpg



View of WS.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.25 | Rating ** | U | Issue No. | 8 |
| LM End | 2.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.945563 ° | 36.945563 ° |
| | | | | -120.347121 ° | -120.347121 ° |
| DWR ID | DWR_NA0010_18_f_2015_8 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There is one large rodent hole and other smaller rodent holes within this area. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_8_20200901_00002.jpg



Looking at large rodent hole on landward slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.41 | Rating ** | U | Issue No. | 31 |
| LM End | 3.44 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.929498 ° | 36.929093 ° |
| | | | | -120.341091 ° | -120.340920 ° |
| DWR ID | DWR_NA0010_18_f_2019_31 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_31_20200901_00008.jpg



View of rodent burrows in the landside slope. (Fall 2019)

* 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.48 | Rating ** | M | Issue No. | 66 |
| LM End | 3.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.928542 ° | 36.928542 ° |
| | | | | -120.340732 ° | -120.340732 ° |
| DWR ID | DWR_NA0010_18_s_2019_66 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.68 | Rating ** | M | Issue No. | 20 |
| LM End | 4.57 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.925722 ° | 36.913324 ° |
| | | | | -120.339706 ° | -120.335167 ° |
| DWR ID | DWR_NA0010_18_f_2020_20 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.73 | Rating ** | U | Issue No. | 47 |
| LM End | 3.73 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.924969 ° | 36.924969 ° |
| | | | | -120.339407 ° | -120.339407 ° |
| DWR ID | DWR_NA0010_18_s_2020_47 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_47_20200901_00009.jpg



Large rodent burrow in the landside slope. (Spring 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.76 | Rating ** | M | Issue No. | 22 |
| LM End | 4.51 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.924598 ° | 36.914176 ° |
| | | | | -120.339291 ° | -120.335483 ° |
| DWR ID | DWR_NA0010_18_f_2020_22 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.69 | Rating ** | M | Issue No. | 16 |
| LM End | 4.69 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.911613 ° | 36.911613 ° |
| | | | | -120.334542 ° | -120.334542 ° |
| DWR ID | DWR_NA0010_18_f_2017_16 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are rodent holes on the landside slope and crown. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.80 | Rating ** | M | Issue No. | 19 |
| LM End | 4.80 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.910130 ° | 36.910130 ° |
| | | | | -120.334002 ° | -120.334002 ° |
| DWR ID | DWR_NA0010_18_f_2020_19 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.34 | Rating ** | M | Issue No. | 25 |
| LM End | 5.34 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.902688 ° | 36.902688 ° |
| | | | | -120.331282 ° | -120.331282 ° |
| DWR ID | DWR_NA0010_18_f _ 2019_25 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.54 | Rating ** | M | Issue No. | 64 |
| LM End | 5.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.899995 ° | 36.897624 ° |
| | | | | -120.329992 ° | -120.328828 ° |
| DWR ID | DWR_NA0010_18_s_2019_64 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.74 | Rating ** | U | Issue No. | 15 |
| LM End | 5.99 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.897237 ° | 36.893924 ° |
| | | | | -120.328633 ° | -120.327020 ° |
| DWR ID | DWR_NA0010_18_f _ 2017_15 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are multiple large rodent holes at the landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_15_20200901_00005.jpg



Looking west at the landside slope. (Fall 2017)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.54 | Rating ** | M | Issue No. | 73 | |
| LM End | 7.54 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.872431 ° | 36.872431 ° | |
| | | | | -120.319415 ° | -120.319415 ° | |
| DWR ID | 19930 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19930 FS_ID:36843 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/10/2014 CMP crossing is distorted on waterward side. Debris scattered on landward side. Sediment deposit inside crossing visible from landward side. Recommend removing debris from landward side. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 42-inch reinforced concrete gravity irrigation pipe through the levee, 19 feet below the crown. Gate structure on the waterside (WS) shoulder. Pipe section on the WS is corrugated metal. Pipe section on the landside (LS) is reinforced concrete. (Plans to install a 42-inch gravity-flow concrete pipeline through the left bank levee of the Eastside Bypass to divert bypass waters for irrigation purposes authorized under Permit No. 13548, 1983 - New Stone Water District). [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/10/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.54 | Rating ** | M | Issue No. | 73 (cont) |
| LM End | 7.54 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_36843_67202.jpg



Overview of levee crown at crossing--slide gate inside concrete box located on waterward shoulder.

Photo 2 of 3 : UCIP_FA_2020_36843_67205.jpg



Pipe section distorted on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 7.54 | Rating ** | M | Issue No. | 73 (cont) |
| LM End | 7.54 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.872431 ° | 36.872431 ° | |
| | | | -120.319415 ° | -120.319415 ° | |
| DWR ID | 19930 | | | | |

Photo 3 of 3 : UCIP_FA_2020_36843_67200.jpg



CMP section visible on waterward side.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.56 | Rating ** | M | Issue No. | 12 |
| LM End | 10.75 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.872062 ° | 36.830835 ° |
| | | | | -120.319347 ° | -120.301134 ° |
| DWR ID | DWR_NA0010_18_f_2020_12 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.56 | Rating ** | M | Issue No. | 5 |
| LM End | 15.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.872061 ° | 36.774058 ° |
| | | | | -120.319348 ° | -120.285498 ° |
| DWR ID | DWR_NA0010_18_f_2020_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_5_20201109_00024.jpg



Looking downstream along the landside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.91 | Rating ** | U | Issue No. | 21 |
| LM End | 7.91 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.867030 ° | 36.867030 ° |
| | | | | -120.318361 ° | -120.318361 ° |
| DWR ID | DWR_NA0010_18_f _ 2019_21 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Several large rodent burrows in the landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_21_20200901_00006.jpg



Several rodent burrows observed at the landside toe. (Fall 2019)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.67 | Rating ** | U | Issue No. | 13 |
| LM End | 8.67 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.856115 ° | 36.856115 ° |
| | | | | -120.316595 ° | -120.316595 ° |
| DWR ID | DWR_NA0010_18_f_2017_13 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_13_20200901_00003.jpg



Looking south at the landside slope.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.89 | Rating ** | U | Issue No. | 18 |
| LM End | 8.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.852936 ° | 36.852936 ° |
| | | | | -120.316451 ° | -120.316451 ° |
| DWR ID | DWR_NA0010_18_f_2020_18 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_18_20201109_00025.jpg



Large rodent holes in the landside slope. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

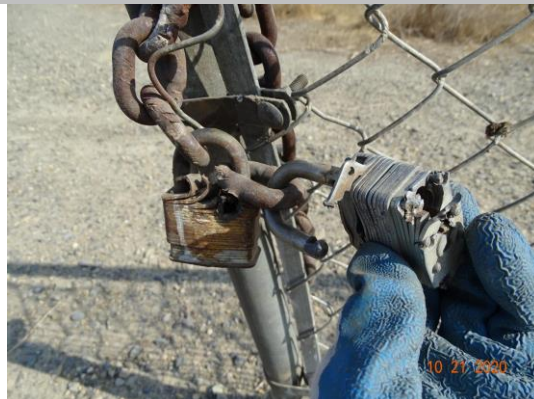
Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.99 | Rating ** | M | Issue No. | 17 |
| LM End | 8.99 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Repair Gates | | | 36.851459 ° | 36.851459 ° |
| | | | | -120.316387 ° | -120.316387 ° |
| DWR ID | DWR_NA0010_18_f _ 2020_17 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Locks on gate have been destroy and can no longer secure gate. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_17_20201109_00026.jpg



Gunshot damage to locks on gate. (Fall 2020)

| | | | | | |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start | 10.75 | Rating ** | U | Issue No. | 10 |
| LM End | 11.63 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.830818 ° | 36.818740 ° |
| | | | | -120.301113 ° | -120.303699 ° |
| DWR ID | DWR_NA0010_18_f _ 2020_10 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_10_20201109_00027.jpg



Looking downstream along the waterside slope. (Fall 2020)

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 11.64 | Rating ** | M | Issue No. | 6 |
| LM End | 15.30 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.818690 ° | 36.774057 ° |
| | | | | -120.303720 ° | -120.285497 ° |
| DWR ID | DWR_NA0010_18_f_2020_6 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_137_6_20201109_00028.jpg



View of the waterside slope looking downstream. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 12.01 | Rating ** | M | Issue No. | 27 |
| LM End | 12.10 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.813516 ° | 36.812350 ° |
| | | | | -120.305860 ° | -120.306369 ° |
| DWR ID | DWR_NA0010_18_f_2018_27 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes noted along this section. | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 74 |
| LM End | 13.59 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.792684 ° | 36.792684 ° |
| | | | | -120.304542 ° | -120.304542 ° |
| DWR ID | 19932 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19932 FS_ID:39505 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Indicator Found UCIP Comments: 04/08/2014 Multiple markers visible along waterward and landward sides unable to confirm how many crossings go through levee. Need to contact owner to obtain additional details on crossings. (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 6-inch natural gas pipeline of an unknown material through the levee. Pipeline extends underneath the channel. [Additional Reference(s): DWR Levee Log, 2002]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_39505_67226.jpg



Markers visible on waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|----------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.35 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 74 (cont) |
| LM End | 13.59 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.792684 ° | 36.792684 ° | |
| | | | -120.304542 ° | -120.304542 ° | |
| DWR ID | 19932 | | | | |

Photo 2 of 3 : UCIP_FA_2020_39505_67225.jpg



View of levee crown at crossing.

| | | | | | |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | 13.59 | Rating ** | M | Issue No. | 74 (cont) |
| LM End | 13.59 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_39505_67224.jpg



Ramp visible on landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 14.18 | Rating ** | M | Issue No. | 11 |
| LM End | 14.18 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.785107 ° | 36.785107 ° |
| | | | | -120.300107 ° | -120.300107 ° |
| DWR ID | DWR_NA0010_18_f_2018_11 | | | | |
| Comment Code | | | | | |
| T1 : Trim trees to at least five feet above ground level. | | | | | |
| 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 22A East Side Canal | | | Left | 5.51 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/23/2020 - 4/23/2020 | | 10/19/2020 - 10/19/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 43 |
| LM End | 0.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.207039 ° | 37.207039 ° |
| | | | | -120.696255 ° | -120.696255 ° |
| DWR ID | 19933 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19933 FS_ID:62171 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 07/19/2016 Gate inside riser appears operable--riser lid damage. Crossing is not visible on LS due to dense vegetation. Recommend clearing dense vegetation along WS and LS slope and repairing riser cover. (O. Magana - DWR UCIP)04/15/2014 No actuator wheel on slide gate at WS shoulder. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 14.8 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.10), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.10), listed as a 24-inch CMP]. FS Date: 7/19/2016 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62171_61060.jpg



PVC pipes sticking up out of channel likely indicate pipe location on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 0.10 | Issue Type + | Ma | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62171_61061.jpg



Concrete headwall at toe of LS slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.10 | Rating ** | M | Issue No. | 43 (cont) |
| LM End | 0.10 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.207039 ° | 37.207039 ° |
| | | | | -120.696255 ° | -120.696255 ° |
| DWR ID | 19933 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62171_61059.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.87 | Rating ** | M | Issue No. | 23 |
| LM End | 0.87 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.217802 ° | 37.217802 ° |
| | | | | -120.697416 ° | -120.697416 ° |
| DWR ID | DWR_NA0010_22A_f_2014_23 | | | | |
| Comment Code | | | | | |
| SI : Sign | | | | | |
| Inspector Comment | | | | | |
| A pulley is located on the waterside shoulder without a board permit. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_23_20201109_00036.jpg



Pulley on the waterside shoulder. (Fall 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 5 |
| LM End | 1.71 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 37.219241 ° | 37.229481 ° |
| | | | | -120.697904 ° | -120.701637 ° |
| DWR ID | DWR_NA0010_22A_f_2020_5 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_5_20201109_00037.jpg



Looking upstream at vegetation along the landside slope. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 1.04 | Rating ** | M | Issue No. | 1 |
| LM End | 1.04 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.220281 ° | 37.220281 ° |
| | | | | -120.698287 ° | -120.698287 ° |
| DWR ID | NA0010U22RM5.47 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: NA0010U22RM5.47 08/18/2020: No changes observed since the previous inspection. 08/28/2019: Two erosion pockets were found at the site, close to levee shoulder, and likely caused by animal activities. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 1.04 | Rating ** | M | Issue No. | 1 (cont) |
| LM End | 1.04 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SJR2019_NA0010U22RM5.47_02.JPG



8/18/2020: View of the levee slope looking upstream.

Photo 2 of 2 : SJR2019_NA0010U22RM5.47_05.JPG



8/18/2020: Close-up view of one the the two erosion pockets.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.57 | Rating ** | M | Issue No. | 44 |
| LM End | 1.57 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.227588 ° | 37.227588 ° |
| | | | | -120.700945 ° | -120.700945 ° |
| DWR ID | 19936 | | | | |

Comment Code

Inspector Comment

DS_ID:19936
FS_ID:62180
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/15/2014 Slide gate rusted and does not function. Headwall buried at LS toe. Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 8-inch corrugated metal gravity irrigation pipe through the levee, 7 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.57), listed as a 8-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 1.57), listed as a 8-inch CMP]
FS Date: 4/15/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.57 | Rating ** | M | Issue No. | 44 (cont) |
| LM End | 1.57 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62180_61030.jpg



Pipe and CMP riser with slide gate visible on WS slope.

Photo 2 of 3 : UCIP_FA_2020_62180_61029.jpg



Inside CMP riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.57 | Rating ** | M | Issue No. | 44 (cont) |
| LM End | 1.57 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.227588 ° | 37.227588 ° | |
| | | | -120.700945 ° | -120.700945 ° | |
| DWR ID | 19936 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62180_61028.jpg



Burried concrete headwall on LS toe.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.73 | Rating ** | M | Issue No. | 16 |
| LM End | 1.73 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.229779 ° | 37.229779 ° |
| | | | | -120.701797 ° | -120.701797 ° |
| DWR ID | DWR_NA0010_22A_s_2018_16 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes are noted around the fence line. | | | | | |

No Photos

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.75 | Rating ** | M | Issue No. | 28 |
| LM End | 2.60 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.230585 ° | 37.242371 ° |
| | | | | -120.702045 ° | -120.706371 ° |
| DWR ID | DWR_NA0010_22A_f_2018_28 | | | | |
| Comment Code | | | | | |
| FE : Fence | | | | | |
| Inspector Comment | | | | | |
| A fence is located along the landside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_28_20200901_00009.jpg



View of fence along landside toe. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.77 | Rating ** | M | Issue No. | 27 |
| LM End | 1.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.230436 ° | 37.230436 ° |
| | | | | -120.701992 ° | -120.701992 ° |
| DWR ID | DWR_NA0010_22A_f_2018_27 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.20 | Rating ** | M | Issue No. | 29 |
| LM End | 2.37 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.236392 ° | 37.238776 ° |
| | | | | -120.704165 ° | -120.705028 ° |
| DWR ID | DWR_NA0010_22A_f_2018_29 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| There is slope erosion from livestock, the slope is no longer 3:1. Monitor site. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_29_20200901_00010.jpg



View of waterside slope from levee crown. (Fall 2018)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 2.65 | Rating ** | U | Issue No. | 2 |
| LM End | 2.66 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.242595 ° | 37.242595 ° |
| | | | | -120.706470 ° | -120.706470 ° |
| DWR ID | NA0010U22RM3.87 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U22RM3.87

08/18/2020: The site has been covered with loose fill and crushed concrete pieces. The erosion will likely worsen again during the next high water.

09/12/2019: The erosion has cut into the levee prism and damaged almost half of the levee. The livestock traffic has likely caused the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.65 | Rating ** | U | Issue No. | 2 (cont) |
| LM End | 2.66 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2 : SJR2019_NA0010U22RM3.87_01.JPG



8/18/2020: View of the erosion looking downstream with fill and crushed concrete.

Photo 2 of 2 : SJR2019_NA0010U22RM3.87_03.JPG



8/18/2020: View of the erosion looking upstream.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.71 | Rating ** | M | Issue No. | 45 | |
| LM End | 2.71 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 37.243501 ° | 37.243501 ° | |
| | | | | -120.706773 ° | -120.706773 ° | |
| DWR ID | 19937 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19937 FS_ID:62181 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/15/2014 Slide gate does not function and should be repaired. Headwall at LS toe not found. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation siphon pipe through the levee, 7.5 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.72), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.72), listed as a 24-inch CMP]. FS Date: 4/15/2014 | | | | | | |

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 2.71 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 2.71 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62181_61026.jpg



Slidegate in CMP riser on WS shoulder. (Note: actuator does not work).

Photo 2 of 3 : UCIP_FA_2020_62181_61024.jpg



Inside CMP riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.71 | Rating ** | M | Issue No. | 45 (cont) |
| LM End | 2.71 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 37.243501 ° | 37.243501 ° | |
| | | | -120.706773 ° | -120.706773 ° | |
| DWR ID | 19937 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62181_61025.jpg



Pipe visible on WS toe.

| | | | | | |
|----------|--------------------|--------------|------------------------|---------------|----------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 4 |
| LM End | 2.83 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR Erosion Survey | | 37.244940 ° | 37.244940 ° | |
| | | | -120.707467 ° | -120.707467 ° | |
| DWR ID | NA0010U22RM3.7 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U22RM3.7

08/18/2020: No changes observed since the previous inspection. In some areas, the levee shoulder width is up to 8 ft. There is some crushed concrete on the levee slope.
09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 4 (cont) |
| LM End | 2.83 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : SJR2019_NA0010U22RM3.7_01.JPG



8/18/2020: View of the erosion looking downstream.

Photo 2 of 3 : SJR2019_NA0010U22RM3.7_04.JPG



8/18/2020: Close-up view of the erosion.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|------------------------|---------------|-----------------|
| LM Start | 2.82 | Rating ** | U | Issue No. | 4 (cont) |
| LM End | 2.83 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR Erosion Survey | | 37.244940 ° | 37.244940 ° | |
| | | | -120.707467 ° | -120.707467 ° | |
| DWR ID | NA0010U22RM3.7 | | | | |

Photo 3 of 3 : SJR2019_NA0010U22RM3.7_05.JPG



8/18/2020: View of the erosion looking downstream with crushed concrete visible on the levee slope.

| | | | | | |
|----------|--------------------|--------------|------------------------|---------------|----------|
| LM Start | 2.87 | Rating ** | U | Issue No. | 7 |
| LM End | 2.87 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR Erosion Survey | | 37.245536 ° | 37.245536 ° | |
| | | | -120.708119 ° | -120.708119 ° | |
| DWR ID | NA0010U22RM3.65 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U22RM3.65

08/18/2020: No vegetation visible in the area of the erosion. Noticed some crushed concrete pieces on the levee slope and a small amount of loose fill.

09/12/2019: The erosion has damaged entire levee slope. The livestock traffic likely has caused the erosion.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 2.87 | Rating ** | U | Issue No. | 7 (cont) |
| LM End | 2.87 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : SJR2019_NA0010U22RM3.65_02.JPG



8/18/2020: View of the erosion looking upstream.

Photo 2 of 3 : SJR2019_NA0010U22RM3.65_03.JPG



8/18/2020: View of the erosion looking downstream.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 2.87 | Rating ** | U | Issue No. | 7 (cont) |
| LM End | 2.87 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.245536 ° | 37.245536 ° |
| | | | | -120.708119 ° | -120.708119 ° |
| DWR ID | NA0010U22RM3.65 | | | | |

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_31_3.JPG



9/12/2020: Close-up view of the erosion.

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 2.96 | Rating ** | U | Issue No. | 10 |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.246408 ° | 37.246408 ° |
| | | | | -120.709197 ° | -120.709197 ° |
| DWR ID | NA0010U22RM3.56 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U22RM3.56

08/18/2020: The erosion has been covered with loose fill and crushed concrete pieces. A nearly vertical slope remains at the levee toe in some sections. The site will likely worsen again during the next high water.

09/12/2019: The erosion has damaged entire levee slope. The livestock activity likely has caused the erosion.

Photo 1 of 3 : SJR2019_NA0010U22RM3.56_01.JPG



8/18/2020: View of the erosion and crushed concrete on the slope.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 2.96 | Rating ** | U | Issue No. | 10 (cont) |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.246408 ° | 37.246408 ° |
| | | | | -120.709197 ° | -120.709197 ° |
| DWR ID | NA0010U22RM3.56 | | | | |

Photo 2 of 3 : SJR2019_NA0010U22RM3.56_04.JPG



8/18/2020: Close-up view of the erosion looking downstream.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.96 | Rating ** | U | Issue No. | 10 (cont) |
| LM End | 2.97 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SJR2019_DWR_NA0010_22A_f_2018_32_6.JPG



9/12/2019: Looking down at the erosion pocket.

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 3.14 | Rating ** | U | Issue No. | 3 |
| LM End | 3.15 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.248257 ° | 37.248257 ° |
| | | | | -120.711547 ° | -120.711547 ° |
| DWR ID | NA0010U22RM3.38 | | | | |

Comment Code

Inspector Comment

Site ID: NA0010U22RM3.38

08/18/2020: The erosion has slightly worsened and cut into the levee prism. The site is immediately downstream of a tree on the levee toe.
09/12/2019: The erosion has damaged the entire levee slope. Livestock activity likely has caused the erosion.

Photo 1 of 3 : SJR2019_NA0010U22RM3.38_01.JPG



8/18/2020: View of the erosion looking down the levee slope.

*** 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|--------------------|--------------|----|------------------------|---------------|
| LM Start | 3.14 | Rating ** | U | Issue No. | 3 (cont) |
| LM End | 3.15 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.248257 ° | 37.248257 ° |
| | | | | -120.711547 ° | -120.711547 ° |
| DWR ID | NA0010U22RM3.38 | | | | |

Photo 2 of 3 : SJR2019_NA0010U22RM3.38_03.JPG



8/18/2020: View of the erosion looking upstream.

| | | | | | |
|----------|-------------|--------------|----|------------|-----------------|
| LM Start | 3.14 | Rating ** | U | Issue No. | 3 (cont) |
| LM End | 3.15 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SJR2019_NA0010U22RM3.38_04.JPG



8/18/2020: Close-up view of the erosion.

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.44 | Rating ** | U | Issue No. | 34 |
| LM End | 3.44 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.251370 ° | 37.251370 ° |
| | | | | -120.715344 ° | -120.715344 ° |
| DWR ID | DWR_NA0010_22A_f_2018_34 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Broken concrete was placed on the waterside slope to prevent erosion from livestock. Concrete with rebar should be removed. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_34_20200901_00011.jpg



Fill and concrete were placed to repair erosion on the waterside slope.
Concrete with rebar should be removed. (Spring 2020)

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.47 | Rating ** | U | Issue No. | 35 |
| LM End | 3.47 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.251621 ° | 37.251621 ° |
| | | | | -120.715649 ° | -120.715649 ° |
| DWR ID | DWR_NA0010_22A_f_2018_35 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Waterside slope erosion is from livestock activity. Slope stabilized with borken concrete. Concrete with rebar in it should be removed. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_35_20200901_00012.jpg



Fill and concrete placed on the waterside slope. Rebar should be removed for safety. (Spring 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.64 | Rating ** | U | Issue No. | 9 |
| LM End | 3.69 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.253362 ° | 37.253862 ° |
| | | | | -120.717873 ° | -120.718507 ° |
| DWR ID | DWR_NA0010_22A_f_2016_9 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Broken concrete has been placed to limit further erosion. Rebar should be removed from the concrete. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_9_20200901_00003.jpg



View of waterside slope looking upstream. (Spring 2020)

| | | | | | |
|---|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.79 | Rating ** | A/W | Issue No. | 11 |
| LM End | 3.79 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.254923 ° | 37.254923 ° |
| | | | | -120.719769 ° | -120.719769 ° |
| DWR ID | DWR_NA0010_22A_s_2014_11 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.81 | Rating ** | M | Issue No. | 13 |
| LM End | 3.81 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 37.255199 ° | 37.255199 ° |
| | | | | -120.720094 ° | -120.720094 ° |
| DWR ID | DWR_NA0010_22A_f_2020_13 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_13_20200901_00004.jpg



Looking northeast at the waterside slope.

| | | | | | |
|--------------------------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.82 | Rating ** | A/W | Issue No. | 14 |
| LM End | 3.82 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 37.255239 ° | 37.255239 ° |
| | | | | -120.720142 ° | -120.720142 ° |
| DWR ID | DWR_NA0010_22A_f_2017_14 | | | | |
| Comment Code | | | | | |
| S1 : Repair slope instability. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_14_20201109_00038.jpg



Waterside slope has been stabilized with broken concrete. (Fall 2020)

| | | | | | |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.11 | Rating ** | M | Issue No. | 15 |
| LM End | 4.11 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.258353 ° | 37.258353 ° |
| | | | | -120.723824 ° | -120.723824 ° |
| DWR ID | DWR_NA0010_22A_f_2019_15 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_15_20200901_00006.jpg



View of erosion in the landside slope and shoulder from livestock traffic. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------|--------------|----|------------------------|---------------|
| LM Start | 4.26 | Rating ** | U | Issue No. | 12 |
| LM End | 4.30 | Issue Type + | Ma | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR Erosion Survey | | | 37.260111 ° | 37.260111 ° |
| | | | | -120.725900 ° | -120.725900 ° |
| DWR ID | NA0010U22RM2.25 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| Site ID: NA0010U22RM2.25 | | | | | |
| 08/18/2020: No changes observed since the previous inspection. | | | | | |
| 09/12/2019: Erosion has developed into the lower levee slope. Loose material was observed at the site. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.26 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 4.30 | Issue Type + | Ma | Location * | WS |

Photo 1 of 3 : SJR2019_NA0010U22RM2.25_04.JPG



818/2020: Close-up view of the erosion looking downstream.

Photo 2 of 3 : SJR2019_NA0010U22RM2.25_05.JPG



818/2020: Close-up view of the erosion looking upstream.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.26 | Rating ** | U | Issue No. | 12 (cont) |
| LM End | 4.30 | Issue Type + | Ma | Location * | WS |

Photo 3 of 3 : SJR2019_NA0010U22RM2.25_06.JPG



818/2020: Another close-up view of the erosion looking downstream.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.30 | Rating ** | U | Issue No. | 37 |
| LM End | 5.11 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 37.260111 ° | 37.268135 ° |
| | | | | -120.725900 ° | -120.737130 ° |
| DWR ID | DWR_NA0010_22A_f_2018_37 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| Erosion is cutting into the waterside slope. Some sections have been stabilized with cobble stone and broken concrete. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_37_20201109_00039.jpg



View of waterside slope damage looking upstream. (Fall 2020)

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 4.87 | Rating ** | A/W | Issue No. | 8 |
| LM End | 4.87 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.265813 ° | 37.265813 ° |
| | | | | -120.733748 ° | -120.733748 ° |
| DWR ID | DWR_NA0010_22A_f_2016_8 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Levee damage caused by animal traffic. Several sites repaired with broken concrete. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_8_20200901_00002.jpg



Looking downstream at repaired site with concrete rubble on waterward slope and shoulder. (Spring 2018)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.12 | Rating ** | M | Issue No. | 6 |
| LM End | 5.49 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.268236 ° | 37.272262 ° |
| | | | | -120.737210 ° | -120.741778 ° |
| DWR ID | DWR_NA0010_22A_s_2012_6 | | | | |
| Comment Code | | | | | |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. | | | | | |
| Inspector Comment | | | | | |
| Slope damage is caused by livestock on waterside toe. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_138_6_20201109_00040.jpg



Looking southeast at livestock erosion on waterward toe. (Fall 2020)

*** Location**

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

**** Rating**

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

+ Issue Type

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.48 | Rating ** | M | Issue No. | 46 |
| LM End | 5.48 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.272079 ° | 37.272079 ° |
| | | | | -120.741575 ° | -120.741575 ° |
| DWR ID | 19938 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19938 FS_ID:62182 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/15/2014 Need to contact owner. Pipe silted in on LS toe. Appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 48-inch corrugated metal irrigation siphon pipe through the levee, 10 feet below the crown. Slide gate in a 60-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete headwall on the landside (LS) end. WS end capped with a 0.25-inch steel plate. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.48), listed as a 48-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.48), listed as a 48-inch CMP] FS Date: 4/15/2014 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.48 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 5.48 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62182_61022.jpg



Slidegate inside riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2020_62182_61021.jpg



Inside riser on WS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|----------------|
| Unit No. 22A East Side Canal | Left | 5.51 | 10/19/2020 10/19/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.48 | Rating ** | M | Issue No. | 46 (cont) |
| LM End | 5.48 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 37.272079 ° | 37.272079 ° |
| | | | | -120.741575 ° | -120.741575 ° |
| DWR ID | 19938 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62182_61020.jpg



Burried headwall on LS 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 23 San Joaquin River | | | Right | 10.24 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/30/2020 - 4/30/2020 | | 10/20/2020 - 10/20/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.21 | Rating ** | M | Issue No. | 66 | |
| LM End | 0.21 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 36.772713 ° | 36.772713 ° | |
| | | | | -120.280670 ° | -120.280670 ° | |
| DWR ID | 19945 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19945 FS_ID:62191 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2014 Excessive vegetation at inlet-recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.21), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.21), listed as a 2.5-foot by 2.5-foot RCBC] FS Date: 4/3/2014 | | | | | | |

| | | | | | |
|----------|------|--------------|----|------------|-----------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 66 (cont) |
| LM End | 0.21 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62191_59860.jpg



Concrete headwall on WS toe at channel.

Photo 2 of 3 : UCIP_FA_2020_62191_59859.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.21 | Rating ** | M | Issue No. | 66 (cont) |
| LM End | 0.21 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.772713 ° | 36.772713 ° | |
| | | | -120.280670 ° | -120.280670 ° | |
| DWR ID | 19945 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62191_59861.jpg



Concrete headwall at LS toe. Excess vegetation buildup at inlet.

| | | | | | |
|--------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.21 | Rating ** | A/W | Issue No. | 20 |
| LM End | 0.73 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.772690 ° | 36.774700 ° |
| | | | | -120.280550 ° | -120.272720 ° |
| DWR ID | 219-100 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:23 | | | | | |
| Site Designation:219-100 | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.09 | Rating ** | A/W | Issue No. | 26 |
| LM End | 1.09 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.772743 ° | 36.772743 ° |
| | | | | -120.266800 ° | -120.266800 ° |
| DWR ID | DWR_NA0010_23_f_2017_26 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Need to repair the large rodent hole on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_26_20200901_00005.jpg



Looking at the landside slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.21 | Rating ** | M | Issue No. | 6 |
| LM End | 1.21 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.772973 ° | 36.772973 ° |
| | | | | -120.264768 ° | -120.264768 ° |
| DWR ID | DWR_NA0010_23_s_2013_6 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry bush on landside toe. | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.63 | Rating ** | M | Issue No. | 67 |
| LM End | 1.63 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.771408 ° | 36.771408 ° |
| | | | | -120.257899 ° | -120.257899 ° |
| DWR ID | 19948 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19948 FS_ID:62194 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2014 Appears abandoned and if so should be done properly. Discharge channel is blocked by sand and soil making drain ineffective. Soil buildup at inlet on LS toe. Need to contact owner. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.64), listed as a 30-inch square reinforced concrete box culvert [RCBC]]. FS Date: 4/3/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62194_59855.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 1.63 | Rating ** | M | Issue No. | 67 (cont) |
| LM End | 1.63 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.771408 ° | 36.771408 ° | |
| | | | -120.257899 ° | -120.257899 ° | |
| DWR ID | 19948 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62194_59857.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 1.63 | Rating ** | M | Issue No. | 67 (cont) |
| LM End | 1.63 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62194_59856.jpg



Concrete headwall on LS toe.

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.91 | Rating ** | M | Issue No. | 1 |
| LM End | 1.91 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.772943 ° | 36.772943 ° |
| | | | | -120.253511 ° | -120.253511 ° |
| DWR ID | DWR_NA0010_23_s_2015_1 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| There is a downed tree on the waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_1_20200901_00001.jpg



View of fallen tree on the waterside slope. (Fall 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.93 | Rating ** | A/W | Issue No. | 21 |
| LM End | 1.93 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.773160 ° | 36.773160 ° |
| | | | | -120.253390 ° | -120.253390 ° |
| DWR ID | 219-FOC-6 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:24 | | | | | |
| Site Designation:219-FOC-6 | | | | | |

No Photos

| | | | | | |
|--------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.12 | Rating ** | M | Issue No. | 16 |
| LM End | 2.12 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.775507 ° | 36.775507 ° |
| | | | | -120.251670 ° | -120.251672 ° |
| DWR ID | DWR_NA0010_23_s_2013_16 | | | | |
| Comment Code | | | | | |
| RA : Ramp | | | | | |
| Inspector Comment | | | | | |
| Ramp constructed on waterside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_16_20201109_00036.jpg



View of ramp constructed on waterside slope. (Fall 2020)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.36 | Rating ** | M | Issue No. | 47 |
| LM End | 2.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.775128 ° | 36.775128 ° |
| | | | | -120.247661 ° | -120.247661 ° |
| DWR ID | DWR_NA0010_23_s_2020_47 | | | | |
| 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 | |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.41 | Rating ** | M | Issue No. | 37 |
| LM End | 2.41 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.774528 ° | 36.774528 ° |
| | | | | -120.247068 ° | -120.247068 ° |
| DWR ID | DWR_NA0010_23_s_2018_37 | | | | |
| Comment Code | | | | | |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.67 | Rating ** | C | Issue No. | 40 |
| LM End | 2.67 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.771836 ° | 36.771836 ° |
| | | | | -120.244117 ° | -120.244117 ° |
| DWR ID | DWR_NA0010_23_f_2019_40 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.85 | Rating ** | U | Issue No. | 15 |
| LM End | 2.85 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.771537 ° | 36.771537 ° |
| | | | | -120.240917 ° | -120.240917 ° |
| DWR ID | DWR_NA0010_23_s_2012_15 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry bush on landside toe. Growth encroaching over landside slope. | | | | | |

No Photos

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.30 | Rating ** | U | Issue No. | 3 |
| LM End | 3.30 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.774403 ° | 36.774403 ° |
| | | | | -120.234705 ° | -120.234705 ° |
| DWR ID | DWR_NA0010_23_s_2012_3 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry on landside toe. Growth is encroaching on the landside slope. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.45 | Rating ** | M | Issue No. | 9 |
| LM End | 3.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.776537 ° | 36.776537 ° |
| | | | | -120.234573 ° | -120.234573 ° |
| DWR ID | DWR_NA0010_23_s_2012_9 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry on landside toe and berm. | | | | | |

No Photos

| | | | | | |
|----------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.64 | Rating ** | A/W | Issue No. | 23 |
| LM End | 3.64 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.779340 ° | 36.779340 ° |
| | | | | -120.234460 ° | -120.234460 ° |
| DWR ID | 219-FOC-7 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:25 | | | | | |
| Site Designation:219-FOC-7 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | M | Issue No. | 34 |
| LM End | 4.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.784217 ° | 36.784217 ° |
| | | | | -120.228876 ° | -120.228876 ° |
| DWR ID | DWR_NA0010_23_s_2018_34 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| Rodent holes around and within the elderberry growth. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.13 | Rating ** | U | Issue No. | 10 |
| LM End | 4.13 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.784212 ° | 36.784212 ° |
| | | | | -120.228815 ° | -120.228815 ° |
| DWR ID | DWR_NA0010_23_s_2012_10 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry on the landside toe. Growth is encroaching on the landside slope. | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.45 | Rating ** | U | Issue No. | 11 |
| LM End | 4.45 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.784523 ° | 36.784523 ° |
| | | | | -120.223292 ° | -120.223292 ° |
| DWR ID | DWR_NA0010_23_s_2012_11 | | | | |
| Comment Code | | | | | |
| V4 : Elderberries are blocking visibility and flood fight capability. | | | | | |
| Inspector Comment | | | | | |
| Control the growth of the elderberry on the landside toe and berm. | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.71 | Rating ** | M | Issue No. | 68 |
| LM End | 4.71 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.787713 ° | 36.787713 ° |
| | | | | -120.221399 ° | -120.221399 ° |
| DWR ID | 19952 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19952 FS_ID:62196 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Not Found UCIP Comments: 04/03/2014 Verify abandonment with gas company. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 4-inch natural gas pipeline of an unknown material through the levee, 6 feet below the crown. Gas line gaging area and compressor station in the channel, 50 feet from the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.72), listed as a 4-inch gas line] FS Date: 4/3/2014 | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.85 | Rating ** | M | Issue No. | 62 |
| LM End | 4.85 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.789489 ° | 36.789489 ° |
| | | | | -120.220403 ° | -120.220403 ° |
| DWR ID | DWR_NA0010_23_s_2019_62 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_62_20200901_00007.jpg



View of damage to landside slope by vehicle traffic looking downstream.
(Spring 2019)

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.85 | Rating ** | M | Issue No. | 69 |
| LM End | 4.85 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.789550 ° | 36.789550 ° |
| | | | | -120.220367 ° | -120.220367 ° |
| DWR ID | 19953 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19953 FS_ID:62197 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2014 Heavy vegetation at inlet and outlet-- recommend clearing. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity irrigation culvert through the levee, 10.7 feet below the crown. 4.5-foot by 7-foot concrete riser with slide gate on the waterside (WS) slope. Concrete U-shaped headwall on each end. 15-foot-long cobble revetted inlet channel. [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.87), listed as a 30-inch square reinforced concrete box culvert (RCBC)]. FS Date: 4/3/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62197_59848.jpg



Slide gate in concrete riser on WS shoulder.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 4.85 | Rating ** | M | Issue No. | 69 (cont) |
| LM End | 4.85 | Issue Type + | En | Location * | |

Photo 2 of 3 : UCIP_FA_2020_62197_59847.jpg



Heavy vegetation in outlet/channel on WS 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 |
|--|--|---|---|

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.68 | Rating ** | M | Issue No. | 70 |
| LM End | 5.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.791936 ° | 36.791936 ° |
| | | | | -120.206226 ° | -120.206226 ° |
| DWR ID | 19954 | | | | |

Comment Code

Inspector Comment

DS_ID:19954
FS_ID:62198
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 36-inch by 36-inch square reinforced concrete box gravity drainage culvert through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. 5-foot-long cobble revetted outlet channel. [Additional Reference(s): DWR Levee Log, 2002 (HLM 5.71), listed as a 36-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 5.71), listed as a 3-foot by 3-foot RCBC]].
FS Date: 4/3/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.68 | Rating ** | M | Issue No. | 70 (cont) |
| LM End | 5.68 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62198_59830.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62198_59829.jpg



Flapgate on Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 5.68 | Rating ** | M | Issue No. | 70 (cont) |
| LM End | 5.68 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.791936 ° | 36.791936 ° |
| | | | | -120.206226 ° | -120.206226 ° |
| DWR ID | 19954 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62198_59831.jpg



Concrete headwall at LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.85 | Rating ** | M | Issue No. | 24 |
| LM End | 6.85 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.780282 ° | 36.780282 ° |
| | | | | -120.195583 ° | -120.195583 ° |
| DWR ID | DWR_NA0010_23_f_2020_24 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_24_20201109_00037.jpg



Several rodent holes noted at this location. (Fall 2020)

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

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

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 7.06 | Rating ** | M | Issue No. | 71 | |
| LM End | 7.06 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.778783 ° | 36.778783 ° | |
| | | | | -120.192447 ° | -120.192447 ° | |
| DWR ID | 19939 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19939 FS_ID:62199 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 7.06), listed as a 30-inch square reinforced concrete box culvert (RCBC)]. FS Date: 4/3/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 7.06 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 7.06 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62199_59826.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62199_59828.jpg



Flapgate on Concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 7.06 | Rating ** | M | Issue No. | 71 (cont) |
| LM End | 7.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.778783 ° | 36.778783 ° |
| | | | | -120.192447 ° | -120.192447 ° |
| DWR ID | 19939 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62199_59827.jpg



Concrete headwall on LS toe.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.20 | Rating ** | M | Issue No. | 27 |
| LM End | 9.89 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.778650 ° | 36.809695 ° |
| | | | | -120.190026 ° | -120.168843 ° |
| DWR ID | DWR_NA0010_23_f_2020_27 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_27_20201109_00038.jpg



View of the landside slope looking upstream. (Fall 2020)

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 7.22 | Rating ** | M | Issue No. | 28 |
| LM End | 9.93 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 36.778736 ° | 36.810368 ° |
| | | | | -120.189792 ° | -120.168844 ° |
| DWR ID | DWR_NA0010_23_f_2020_28 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_28_20201109_00039.jpg



View of vegetation along the waterside slope. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.32 | Rating ** | M | Issue No. | 72 |
| LM End | 8.32 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.792476 ° | 36.792476 ° |
| | | | | -120.181255 ° | -120.181255 ° |
| DWR ID | 19940 | | | | |

Comment Code

Inspector Comment

DS_ID:19940
FS_ID:62200
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/03/2014 Some sediment buildup at inlet at LS toe. Also dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
[Additional Reference(s): DWR Levee Log, 2002 (HLM 8.33), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.33), listed as a 2.5-foot by 2.5-foot RCBC]
FS Date: 4/3/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.32 | Rating ** | M | Issue No. | 72 (cont) |
| LM End | 8.32 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62200_59823.jpg



Flapgate on WS toe.

Photo 2 of 3 : UCIP_FA_2020_62200_59821.jpg



concrete headwall at drainage ditch on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 8.32 | Rating ** | M | Issue No. | 72 (cont) |
| LM End | 8.32 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.792476 ° | 36.792476 ° | |
| | | | -120.181255 ° | -120.181255 ° | |
| DWR ID | 19940 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62200_59822.jpg



Concrete headwall on LS toe.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 8.52 | Rating ** | M | Issue No. | 73 |
| LM End | 8.52 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 36.794108 ° | 36.794108 ° | |
| | | | -120.178171 ° | -120.178171 ° | |
| DWR ID | 19941 | | | | |

Comment Code

Inspector Comment

DS_ID:19941
 FS_ID:62201
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 04/03/2014 Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (W. Wylie - DWR UCIP)
 FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 5.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end.
 [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.53), listed as a 30-inch square reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.54), listed as a 2.5-foot by 2.5-foot RCBC]
 FS Date: 4/3/2014

Photo 1 of 3 : UCIP_FA_2020_62201_59817.jpg



Concrete headwall on WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.52 | Rating ** | M | Issue No. | 73 (cont) |
| LM End | 8.52 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.794108 ° | 36.794108 ° |
| | | | | -120.178171 ° | -120.178171 ° |
| DWR ID | 19941 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62201_59819.jpg



Flapgate on Concrete headwall at WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 8.52 | Rating ** | M | Issue No. | 73 (cont) |
| LM End | 8.52 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62201_59818.jpg



Concrete headwall on LS toe.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.55 | Rating ** | U | Issue No. | 29 |
| LM End | 8.66 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.794284 ° | 36.795288 ° |
| | | | | -120.177783 ° | -120.176146 ° |
| DWR ID | DWR_NA0010_23_f_2020_29 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_29_20201109_00040.jpg

Several rodent holes observed along this section of the landside slope.
(Fall 2020)

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.97 | Rating ** | M | Issue No. | 25 |
| LM End | 8.97 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.799606 ° | 36.799606 ° |
| | | | | -120.175395 ° | -120.175395 ° |
| DWR ID | DWR_NA0010_23_f_2016_25 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are rodent holes on the waterside shoulder. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_25_20200901_00004.jpg



Looking at typical view of rodent hole on waterward shoulder.

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 9.19 | Rating ** | A/W | Issue No. | 32 |
| LM End | 9.25 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.802456 ° | 36.803233 ° |
| | | | | -120.173675 ° | -120.173162 ° |
| DWR ID | DWR_NA0010_23_f_2017_32 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.74 | Rating ** | M | Issue No. | 65 |
| LM End | 9.74 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 36.807603 ° | 36.807603 ° |
| | | | | -120.168825 ° | -120.168825 ° |
| DWR ID | DWR_NA0010_23_s_2019_65 | | | | |
| Comment Code | | | | | |
| C2 : Repair depressions or ruts in the crown or slope. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_65_20200901_00008.jpg



Depressions forming in the levee crown. (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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 74 |
| LM End | 9.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.807768 ° | 36.807768 ° |
| | | | | -120.168848 ° | -120.168848 ° |
| DWR ID | 19943 | | | | |

Comment Code

Inspector Comment

DS_ID:19943
FS_ID:62205
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (O. Magana - DWR UCIP)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 1 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. Slide gates on the WS. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.76), listed as a two 4.0-foot by 5.25-foot reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.76), listed as a two 5.25-foot by 4-foot barrel RCBC]
FS Date: 11/1/2018 12:50:00 PM

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 74 (cont) |
| LM End | 9.75 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62205_59810.jpg



Slide gate actuator visible on WS shoulder with concrete headwall.

Photo 2 of 3 : UCIP_FA_2020_62205_59809.jpg



Slide gate on concrete headwall at WS 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 74 (cont) |
| LM End | 9.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.807768 ° | 36.807768 ° | |
| | | | -120.168848 ° | -120.168848 ° | |
| DWR ID | 19943 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62205_59808.jpg



Heavy corrosion in slide gate tracks on WS toe.

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 75 |
| LM End | 9.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.807777 ° | 36.807777 ° | |
| | | | -120.168843 ° | -120.168843 ° | |
| DWR ID | 19980 | | | | |

Comment Code

Inspector Comment

DS_ID:19980
FS_ID:62206
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 11/01/2018 Limited access to both LS and WS; assumed slide gates are still non-functional; Crossing has been downgraded from Urgent to Non-Urgent due to re-classification of damage slide gates. (O. Magana - DWR UCIP)07/20/2016 No change--same as previous inspection. (O. Magana - DWR UCIP)04/03/2014 Slide gate not functional. Slide gate channels heavily corroded (exfoliated) and likely impact functionality/structural integrity of gate. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: [Gravelly Ford Canal Irrigation Structure] 2 of 2: 48-inch by 63-inch reinforced concrete box gravity irrigation culvert through the levee, 10 feet below the crown. Concrete U-shaped headwall on each end. Gear pedestal slide gate with wall bracket on the waterside (WS) headwall. 10-foot-long cobble revetted outlet channel. Guardrail on each shoulder. [Additional Reference(s): DWR Levee Log, 2002 (HLM 9.76), listed as a two 4.0-foot by 5.25-foot reinforced concrete box culvert (RCBC). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 9.76), listed as a two 5.25-foot by 4-foot barrel RCBC].
FS Date: 11/1/2018 12:51:00 PM

Photo 1 of 3 : UCIP_FA_2020_62206_59802.jpg



Slide gate actuators on Concrete headwall at WS shoulder.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|----------------|
| Unit No. 23 San Joaquin River | Right | 10.24 | 10/20/2020 10/20/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 75 (cont) |
| LM End | 9.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.807777 ° | 36.807777 ° | |
| | | | -120.168843 ° | -120.168843 ° | |
| DWR ID | 19980 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62206_59801.jpg



Slide gates on WS toe.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 9.75 | Rating ** | M | Issue No. | 75 (cont) |
| LM End | 9.75 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62206_59800.jpg



Slide gate tracks show heavy corrosion impacting actuation of slide gate.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 9.79 | Rating ** | M | Issue No. | 58 |
| LM End | 9.81 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Trim / Thin Trees | | | 36.808317 ° | 36.808553 ° |
| | | | | -120.168820 ° | -120.168827 ° |
| DWR ID | DWR_NA0010_23_f_2018_58 | | | | |
| Comment Code | | | | | |
| T2 : Thin trees to allow visibility of the ground and room to flood fight. | | | | | |
| Inspector Comment | | | | | |
| Woody vegetation is partially blocking crown and landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_139_58_20200901_00006.jpg



Woody vegetation on landside toe obstructing landside of crown. (Spring 2019)

| | | | | | |
|--|--|---|--|---|--|
| * 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
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 24 San Joaquin River | | | Left | 8.36 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 5/1/2020 - 5/1/2020 | | 10/21/2020 - 10/21/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.06 | Rating ** | M | Issue No. | 47 |
| LM End | 0.06 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 36.772328 ° | 36.772328 ° |
| | | | | -120.285117 ° | -120.285117 ° |
| DWR ID | DWR_NA0010_24_s_2014_47 | | | | |
| Comment Code | | | | | |
| MA : Material | | | | | |
| Inspector Comment | | | | | |
| The District constructed a berm on waterside slope. The berm is being used for staging of earthen material. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_140_47_20201109_00030.jpg



Berm and material constructed off the waterside slope. (Fall 2020)

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.50 | Rating ** | M | Issue No. | 267 | |
| LM End | 0.50 | Issue Type + | En | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 36.766872 ° | 36.766872 ° | |
| | | | | -120.283212 ° | -120.283212 ° | |
| DWR ID | 19955 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19955 FS_ID:62209 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 No access available to confirm condition of landward side headwall. Recommend clearing debris along fence. Surface erosion near concrete headwall on landward side was present. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box gravity drainage culvert through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on each end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.49), listed as a 30-inch square concrete culvert]. FS Date: 4/8/2014 | | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62209_60059.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------------|
| LM Start | 0.50 | Rating ** | M | Issue No. | 267 (cont) |
| LM End | 0.50 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.766872 ° | 36.766872 ° | |
| | | | -120.283212 ° | -120.283212 ° | |
| DWR ID | 19955 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62209_60057.jpg



Square gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 0.50 | Rating ** | M | Issue No. | 267 (cont) |
| LM End | 0.50 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62209_60058.jpg



View of landward side.

| | | | | | |
|---|------------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.80 | Rating ** | A/W | Issue No. | 6 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.766553 ° | 36.766962 ° |
| | | | | -120.278947 ° | -120.278602 ° |
| DWR ID | DWR_NA0010_24_s_2013_6 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes identified within this section. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_140_6_20200901_00001.jpg



Rodent burrows in the landside slope. (Spring 2020)

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|--------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 0.85 | Rating ** | A/W | Issue No. | 12 |
| LM End | 0.86 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.767150 ° | 36.767250 ° |
| | | | | -120.278440 ° | -120.278350 ° |
| DWR ID | 220-107 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:14 | | | | | |
| Site Designation:220-107 | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 1.06 | Rating ** | M | Issue No. | 268 |
| LM End | 1.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.769574 ° | 36.769574 ° |
| | | | | -120.276253 ° | -120.276253 ° |
| DWR ID | 19961 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19961 FS_ID:62210 EP_NO: 13735 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Unable to determine status of crossing. Need to contact owner to determine status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm). [Additional Reference(s): DWR Levee Log, 2002 (HLM 1.07), listed as a 24-inch steel pipe]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 2 : UCIP_FA_2020_62210_60065.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------------|
| LM Start | 1.75 | Rating ** | M | Issue No. | 269 (cont) |
| LM End | 1.75 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.771065 ° | 36.771065 ° | |
| | | | -120.266294 ° | -120.266294 ° | |
| DWR ID | 19962 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62211_60070.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 1.75 | Rating ** | M | Issue No. | 269 (cont) |
| LM End | 1.75 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62211_60071.jpg



View of landward side.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.75 | Rating ** | M | Issue No. | 23 |
| LM End | 1.75 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.771119 ° | 36.771119 ° |
| | | | | -120.266173 ° | -120.266173 ° |
| DWR ID | DWR_NA0010_24_s_2018_23 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.48 | Rating ** | M | Issue No. | 29 |
| LM End | 2.48 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.770007 ° | 36.770007 ° |
| | | | | -120.254027 ° | -120.254027 ° |
| DWR ID | DWR_NA0010_24_f_2019_29 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 270 |
| LM End | 2.69 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.771742 ° | 36.771742 ° |
| | | | | -120.250929 ° | -120.250929 ° |
| DWR ID | 19963 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19963 FS_ID:62212 EP_NO: 13735 Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Unable to confirm status of crossing. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Crown roadway has been padded 1 foot. Steel cutoff wall around the pipe at the centerline of the levee. Pump on the landside (LS). Siphon breaker on the apex of the pipe on the LS shoulder. Galvanized siphon vent pipe on the LS shoulder. (Plans to install two 24-inch steel discharge pipelines through the levee to dispose of seepage water collected in farm sumps Nos. 8 and 12 authorized under Permit No. 13735, 1983 - Rio Seco Farm). [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.68) listed as a 24-inch steel pipe]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62212_60075.jpg



Overview of levee crown at crossing.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 270 (cont) |
| LM End | 2.69 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.771742 ° | 36.771742 ° | |
| | | | -120.250929 ° | -120.250929 ° | |
| DWR ID | 19963 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62212_60076.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 2.69 | Rating ** | M | Issue No. | 270 (cont) |
| LM End | 2.69 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62212_60077.jpg



View of landward side.

| | | | | | |
|------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 2.85 | Rating ** | A/W | Issue No. | 13 |
| LM End | 2.85 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.772060 ° | 36.772060 ° |
| | | | | -120.248370 ° | -120.248370 ° |
| DWR ID | 220-1 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:12 | | | | | |
| Site Designation:220-1 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.05 | Rating ** | U | Issue No. | 51 |
| LM End | 3.20 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.770146 ° | 36.769796 ° |
| | | | | -120.245703 ° | -120.243035 ° |
| DWR ID | DWR_NA0010_24_s_2019_51 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_140_51_20200901_00009.jpg



View of rodent holes in landside slope. (Spring 2019)

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.05 | Rating ** | M | Issue No. | 31 |
| LM End | 3.05 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.770132 ° | 36.770132 ° |
| | | | | -120.245597 ° | -120.245597 ° |
| DWR ID | DWR_NA0010_24_f_2018_31 | | | | |
| Comment Code | | | | | |
| A1 : Exterminate rodents and backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are rodent holes in the waterside shoulder. | | | | | |

No Photos

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.46 | Rating ** | M | Issue No. | 7 |
| LM End | 3.46 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.769345 ° | 36.769345 ° |
| | | | | -120.238370 ° | -120.238370 ° |
| DWR ID | DWR_NA0010_24_s_2012_7 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| There are several rodent holes on the landside slope. | | | | | |

Photo 1 of 1 : FA_2020_NA0010_140_7_20200901_00002.jpg



Looking east at one of several rodent holes on landward slope.

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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.53 | Rating ** | A/W | Issue No. | 15 |
| LM End | 3.53 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.768910 ° | 36.768910 ° |
| | | | | -120.237180 ° | -120.237180 ° |
| DWR ID | 220-4 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:13 | | | | | |
| Site Designation:220-4 | | | | | |

No Photos

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.53 | Rating ** | M | Issue No. | 28 |
| LM End | 3.59 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 36.768886 ° | 36.768531 ° |
| | | | | -120.237154 ° | -120.236226 ° |
| DWR ID | DWR_NA0010_24_f_2019_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 : FA_2020_NA0010_140_28_20200901_00006.jpg



View of rodent burrows in the landside slope. (Fall 2019)

| | | | | | |
|--------------------------|---------------------|--------------|-----|------------------------|---------------|
| LM Start | 3.70 | Rating ** | A/W | Issue No. | 16 |
| LM End | 3.76 | Issue Type + | Ob | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Seepage / Sandboils | | | 36.767840 ° | 36.767760 ° |
| | | | | -120.234340 ° | -120.233380 ° |
| DWR ID | 220-105 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| 2017 Storm Damage | | | | | |
| Site ID No:15 | | | | | |
| Site Designation:220-105 | | | | | |

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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 3.77 | Rating ** | C | Issue No. | 36 |
| LM End | 3.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.767784 ° | 36.767784 ° |
| | | | | -120.233252 ° | -120.233252 ° |
| DWR ID | DWR_NA0010_24_f_2018_36 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.06 | Rating ** | M | Issue No. | 271 |
| LM End | 4.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 36.769238 ° | 36.769238 ° |
| | | | | -120.228588 ° | -120.228588 ° |
| DWR ID | 19964 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19964 FS_ID:62213 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 04/08/2014 Unable to confirm crossing alignment and appurtenances associated with this crossing. Multiple stand pipes visible on landward side. Need to contact owner to determine status of crossing and alignment. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 30-inch by 30-inch square reinforced concrete box drainage discharge culvert through the levee, 12.5 feet below the crown. Pump on the landside (LS). Concrete riser with slide gate on the waterside (WS) slope. Screw gate on the LS shoulder. (Plans to construct a new discharge structure and to rehabilitate one existing diversion structure to return intercepted seepage to the San Joaquin River authorized under Permit No. 13085, 1981 - Diener, Dry River Farms). [Additional Reference(s): DWR Levee Log, 2002 (HLM 4.05), listed as a 30-inch square reinforced concrete box culvert (RCBC)]. FS Date: 4/8/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62213_67237.jpg



View of waterwar side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-------------------|
| LM Start | 4.06 | Rating ** | M | Issue No. | 271 (cont) |
| LM End | 4.06 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.769238 ° | 36.769238 ° | |
| | | | -120.228588 ° | -120.228588 ° | |
| DWR ID | 19964 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62213_67236.jpg



Slide gate inside concrete box located on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 4.06 | Rating ** | M | Issue No. | 271 (cont) |
| LM End | 4.06 | Issue Type + | En | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62213_67235.jpg



Overview of levee at crossing.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 4.27 | Rating ** | C | Issue No. | 17 |
| LM End | 4.27 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Slope Stability | | | 36.772003 ° | 36.772003 ° |
| | | | | -120.230075 ° | -120.230075 ° |
| DWR ID | DWR_NA0010_24_f_2017_17 | | | | |
| Comment Code | | | | | |
| S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. | | | | | |
| 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 |
|--|--|---|---|

Lower San Joaquin Levee District

| * 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|------------|
| LM Start | 6.73 | Rating ** | M | Issue No. | 272 |
| LM End | 6.73 | Issue Type + | En | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 36.786632 ° | 36.786632 ° | |
| | | | -120.204733 ° | -120.204733 ° | |
| DWR ID | 19957 | | | | |

Comment Code

Inspector Comment

DS_ID:19957
FS_ID:62215
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 7/20/2016 same as previous inspection. Crossing has been downgraded from Urgent to Non-Urgent PVC does not prevent WS flap gate from closing. (O. Magana - DWR UCIP)4/08/2014 Unauthorized PVC pipe through existing crossing. PVC distorted inside--Need to contact owner to correct issue. If crossing was allowed need to contact owner for permit number issue for crossing variance. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 3.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the landside (LS) end. Concrete U-shaped headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 6.72), listed as a 24-inch corrugated metal pipe (CMP)].
FS Date: 7/20/2016

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 6.73 | Rating ** | M | Issue No. | 272 (cont) |
| LM End | 6.73 | Issue Type + | En | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62215_60105.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2020_62215_60107.jpg



View of WS--debris (pipe sections) located on waterward side.

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

Lower San Joaquin Levee District

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|----------------|
| Unit No. 24 San Joaquin River | Left | 8.36 | 10/21/2020 10/21/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 8.33 | Rating ** | M | Issue No. | 273 |
| LM End | 8.33 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 36.778084 ° | 36.778084 ° |
| | | | | -120.184454 ° | -120.184454 ° |
| DWR ID | 19960 | | | | |

Comment Code

Inspector Comment

DS_ID:19960
FS_ID:62218
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 04/08/2014 Barbed wire along levee shoulder--no access. Need to confirm crossing size and condition of crossing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 12-inch reinforced concrete gravity drainage pipe through the levee, 3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on the WS end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 8.33), listed as a 12-inch concrete pipe. USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 8.32), listed as a 12-inch concrete pipe]
FS Date: 4/8/2014

| | | | | | |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | 8.33 | Rating ** | M | Issue No. | 273 (cont) |
| LM End | 8.33 | Issue Type + | Ma | Location * | |

Photo 1 of 2 : UCIP_FA_2020_62218_60121.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2020_62218_60120.jpg



View of landward side.

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

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet**

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 25 Salt Slough | | | Right | 2.49 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | U | |
| Date of Inspection | 4/20/2020 - 4/20/2020 | | 10/16/2020 - 10/16/2020 | |
| DWR Inspector | Corey Fujitani | | Corey Fujitani | |
| Accompanied By | | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 0.02 | Rating ** | M | Issue No. | 15 | |
| LM End | 0.02 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP LMA Responsibility | | | 37.296038 ° | 37.296038 ° | |
| | | | | -120.880742 ° | -120.880742 ° | |
| DWR ID | 19965 | | | | | |

Comment Code

Inspector Comment

DS_ID:19965
FS_ID:62225
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible from landward side--recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.01), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.02), listed as a 24-inch CMP]
FS Date: 5/1/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.02 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 0.02 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62225_67242.jpg



View of waterward side--dense vegetation on waterward side.

Photo 2 of 3 : UCIP_FA_2020_62225_67240.jpg



Pipe daylight visible on waterward toe.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.02 | Rating ** | M | Issue No. | 15 (cont) |
| LM End | 0.02 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.296038 ° | 37.296038 ° | |
| | | | -120.880742 ° | -120.880742 ° | |
| DWR ID | 19965 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62225_67241.jpg



View of landward side--dense vegetation on landward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 16 |
| LM End | 0.36 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.291173 ° | 37.291173 ° | |
| | | | -120.880731 ° | -120.880731 ° | |
| DWR ID | 19966 | | | | |

Comment Code

Inspector Comment

DS_ID:19966
 FS_ID:62220
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.36), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.35), listed as a 24-inch CMP].
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_62220_67249.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 16 (cont) |
| LM End | 0.36 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.291173 ° | 37.291173 ° | |
| | | | -120.880731 ° | -120.880731 ° | |
| DWR ID | 19966 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62220_67248.jpg



Pipe outlet visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.36 | Rating ** | M | Issue No. | 16 (cont) |
| LM End | 0.36 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62220_67247.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | | |
|---|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.59 | Rating ** | M | Issue No. | 17 | |
| LM End | 0.59 | Issue Type + | Ma | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | | 37.287744 ° | 37.287744 ° | |
| | | | | -120.880645 ° | -120.880645 ° | |
| DWR ID | 19967 | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| DS_ID:19967 | | | | | | |
| FS_ID:62221 | | | | | | |
| EP_NO: N/A | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| EVAL Issue: | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors | | | | | | |
| visibility to identify signs of pipe failure (leaks) along the slope. | | | | | | |
| Recommend removing vegetation along pipe alignment to conduct | | | | | | |
| proper inspection of structure. (O. Magana - DWR UCIP) | | | | | | |
| FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage | | | | | | |
| pipe through the levee, 14.7 feet below the crown. Flap gate on the | | | | | | |
| waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 | | | | | | |
| (HLM 0.58), listed as a 24-inch corrugated metal pipe (CMP). USACE | | | | | | |
| San Joaquin O&M Manual, Unit 601 Part 1, (SJR601.1), 1967, Revised | | | | | | |
| 25 May 2011, (HLM 0.59), listed as a 24-inch CMP]. | | | | | | |
| FS Date: 5/1/2014 | | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 0.59 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62221_67250.jpg



Overview of waterward side--Salt Slough.

Photo 2 of 3 : UCIP_FA_2020_62221_67251.jpg



View of waterward slope covered by dense vegetation.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.59 | Rating ** | M | Issue No. | 17 (cont) |
| LM End | 0.59 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.287744 ° | 37.287744 ° | |
| | | | -120.880645 ° | -120.880645 ° | |
| DWR ID | 19967 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62221_67252.jpg



Pipe and flap gate visible on waterward side.

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|-----------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 18 |
| LM End | 0.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.282252 ° | 37.282252 ° | |
| | | | -120.880738 ° | -120.880738 ° | |
| DWR ID | 19968 | | | | |

Comment Code

Inspector Comment

DS_ID:19968
 FS_ID:62222
 EP_NO: N/A
 Repair Type: Non-Urgent
 EVAL Issue:
 Crossing Status: Found
 UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP)
 FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 0.97), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 0.97), listed as a 24-inch CMP]
 FS Date: 5/1/2014

Photo 1 of 3 : UCIP_FA_2020_62222_67256.jpg



View of waterward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.97 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.282252 ° | 37.282252 ° | |
| | | | -120.880738 ° | -120.880738 ° | |
| DWR ID | 19968 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62222_67255.jpg



Pipe and evidence of flap gate visible on waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.97 | Rating ** | M | Issue No. | 18 (cont) |
| LM End | 0.97 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62222_67254.jpg



View of landward side.

| | | | | | |
|---|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.00 | Rating ** | M | Issue No. | 13 |
| LM End | 2.48 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Crown Surface / Depressions / Rutting | | | 37.281791 ° | 37.271226 ° |
| | | | | -120.880747 ° | -120.866655 ° |
| DWR ID | DWR_NA0010_25_s_2018_13 | | | | |
| Comment Code | | | | | |
| C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

Photo 1 of 1 : FA_2020_NA0010_141_13_20201109_00019.jpg



Rutting in the levee crown. (Fall 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|---|-------------------------|--------------|-----|------------------------|---------------|
| LM Start | 1.86 | Rating ** | A/W | Issue No. | 14 |
| LM End | 1.86 | Issue Type + | Ma | Location * | CR |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Animal Control | | | 37.280055 ° | 37.280055 ° |
| | | | | -120.867177 ° | -120.867177 ° |
| DWR ID | DWR_NA0010_25_f_2019_14 | | | | |
| Comment Code | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. | | | | | |
| Inspector Comment | | | | | |
| | | | | | |

No Photos

| | | | | | |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 19 |
| LM End | 2.05 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.277390 ° | 37.277390 ° |
| | | | | -120.867184 ° | -120.867184 ° |
| DWR ID | 19969 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| DS_ID:19969 FS_ID:62223 EP_NO: N/A Repair Type: Non-Urgent EVAL Issue: Crossing Status: Found UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 4 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.05), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.05), listed as a 24-inch CMP] FS Date: 5/1/2014 | | | | | |

Photo 1 of 3 : UCIP_FA_2020_62223_67259.jpg



View of landward side.

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

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|------------------------|---------------|------------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 2.05 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP LMA Responsibility | | 37.277390 ° | 37.277390 ° | |
| | | | -120.867184 ° | -120.867184 ° | |
| DWR ID | 19969 | | | | |

Photo 2 of 3 : UCIP_FA_2020_62223_67260.jpg



View of waterward side.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.05 | Rating ** | M | Issue No. | 19 (cont) |
| LM End | 2.05 | Issue Type + | Ma | Location * | |

Photo 3 of 3 : UCIP_FA_2020_62223_67261.jpg



Flap gate and concrete headwall located on waterward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.45 | Rating ** | M | Issue No. | 20 |
| LM End | 2.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271599 ° | 37.271599 ° |
| | | | | -120.866819 ° | -120.866819 ° |
| DWR ID | 19970 | | | | |

Comment Code

Inspector Comment

DS_ID:19970
FS_ID:62224
EP_NO: N/A
Repair Type: Non-Urgent
EVAL Issue:
Crossing Status: Found
UCIP Comments: 05/01/2014 Dense vegetation limits the inspectors visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. Sediment buildup in pipe visible on landward side--recommend clearing. (O. Magana - DWR UCIP)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2002 (HLM 2.45), listed as a 24-inch corrugated metal pipe (CMP). USACE San Joaquin O&M Manual, Unit 601 Part 1 (SJR601.1), 1967, Revised 25 May 2011, (HLM 2.45), listed as a 24-inch CMP]
FS Date: 5/1/2014 4:04:00 PM

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.45 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 2.45 | Issue Type + | Ma | Location * | |

Photo 1 of 3 : UCIP_FA_2020_62224_67270.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2020_62224_67269.jpg



Pipe daylights at waterward 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**

Levee Inspection Report By Mile - Fall 2020

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|----------------|
| Unit No. 25 Salt Slough | Right | 2.49 | 10/16/2020 10/16/2020 | Corey Fujitani |

| | | | | | |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 2.45 | Rating ** | M | Issue No. | 20 (cont) |
| LM End | 2.45 | Issue Type + | Ma | Location * | |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP LMA Responsibility | | | 37.271599 ° | 37.271599 ° |
| | | | | -120.866819 ° | -120.866819 ° |
| DWR ID | 19970 | | | | |

Photo 3 of 3 : UCIP_FA_2020_62224_67268.jpg



View of landward side.

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