

Appendix 4B

**Attachment 5: Stage Results (DSM2)**

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## Appendix 4B

# Attachment 5: Stage Results (DSM2)

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The following results of the DSM2 model are included for river stage conditions for the following scenarios:

- Baseline Conditions (072623)
- Proposed Project (021624)

| <b>Title</b>   | <b>Model Parameter</b> | <b>Table Numbers</b> |
|--|------------------------|----------------------|
| Sacramento River at Freeport Average Daily Maximum Elevation                 | RSAC155                | 4B-5-1a              |
| Sacramento River at Freeport Average Daily Minimum Elevation                 | RSAC155                | 4B-5-2a              |
| Sacramento River Downstream Steamboat Slough Average Daily Maximum Elevation | Sac_DS_STMBTSL         | 4B-5-3a              |
| Sacramento River Downstream Steamboat Slough Average Daily Minimum Elevation | Sac_DS_STMBTSL         | 4B-5-4a              |
| Sacramento River at Rio Vista Average Daily Maximum Elevation                | RSAC101                | 4B-5-5a              |
| Sacramento River at Rio Vista Average Daily Minimum Elevation                | RSAC101                | 4B-5-6a              |
| San Joaquin River at Jersey Point Average Daily Maximum Elevation            | RSAN018                | 4B-5-7a              |
| San Joaquin River at Jersey Point Average Daily Minimum Elevation            | RSAN018                | 4B-5-8a              |
| San Joaquin River at Prisoners Point Average Daily Maximum Elevation         | RSAN037                | 4B-5-9a              |
| San Joaquin River at Prisoners Point Average Daily Minimum Elevation         | RSAN037                | 4B-5-10a             |
| Old River at Tracy Boulevard Average Daily Maximum Elevation                 | ROLD059                | 4B-5-11a             |
| Old River at Tracy Boulevard Average Daily Minimum Elevation                 | ROLD059                | 4B-5-12a             |

Report formats:

- Monthly tables comparing two scenarios (exceedance values, long-term average, and average by water year type).

**Table 4B-5-1a. Sacramento River at Freeport, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |      |      |      |      |      |      |     |     |     |     |
|-------------------------------------|---|-----|------|------|------|------|------|------|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May  | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |      |      |      |      |      |      |     |     |     |     |
| 10%                                 | 6.9   | 8.2 | 14.9 | 17.5 | 18.9 | 18.2 | 15.3 | 13.2 | 9.6 | 8.5 | 7.6 | 7.8 |
| 20%                                 | 6.7   | 6.9 | 11.1 | 15.2 | 17.0 | 15.4 | 11.7 | 10.7 | 8.2 | 8.1 | 7.5 | 7.6 |
| 30%                                 | 6.5   | 6.7 | 8.7  | 10.9 | 14.6 | 12.7 | 8.8  | 8.3  | 7.1 | 7.9 | 7.4 | 7.3 |
| 40%                                 | 6.4   | 6.5 | 7.5  | 9.4  | 11.6 | 10.6 | 7.5  | 7.2  | 6.8 | 7.8 | 7.3 | 7.1 |
| 50%                                 | 6.2   | 6.4 | 7.1  | 8.3  | 9.5  | 8.6  | 6.9  | 6.9  | 6.8 | 7.7 | 7.2 | 6.9 |
| 60%                                 | 6.1   | 6.3 | 6.8  | 7.7  | 8.2  | 8.0  | 6.4  | 6.6  | 6.7 | 7.6 | 7.1 | 6.6 |
| 70%                                 | 6.1   | 6.2 | 6.6  | 6.9  | 7.6  | 7.5  | 6.2  | 6.3  | 6.6 | 7.4 | 6.7 | 6.4 |
| 80%                                 | 5.9   | 6.0 | 6.4  | 6.6  | 7.1  | 6.6  | 6.0  | 6.3  | 6.5 | 7.1 | 6.5 | 6.2 |
| 90%                                 | 5.8   | 5.9 | 6.2  | 6.3  | 6.5  | 6.2  | 6.0  | 6.1  | 6.3 | 6.6 | 6.3 | 6.1 |
| <b>Long Term</b>                    |   |     |      |      |      |      |      |      |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 6.4   | 6.9 | 8.7  | 10.2 | 11.5 | 10.7 | 8.7  | 8.2  | 7.5 | 7.6 | 7.1 | 6.9 |
| <b>Water Year Types<sup>b</sup></b> |   |     |      |      |      |      |      |      |     |     |     |     |
| Wet (30%)                           | 6.8   | 7.9 | 12.1 | 14.6 | 16.6 | 15.0 | 12.7 | 11.2 | 9.3 | 7.9 | 7.4 | 7.7 |
| Above Normal (11%)                  | 6.3   | 6.6 | 7.9  | 12.6 | 13.4 | 13.4 | 9.1  | 8.6  | 7.7 | 8.0 | 7.5 | 7.4 |
| Below Normal (21%)                  | 6.4   | 6.7 | 7.4  | 8.5  | 9.9  | 9.3  | 7.3  | 7.3  | 6.8 | 8.0 | 7.3 | 6.8 |
| Dry (22%)                           | 6.2   | 6.4 | 7.3  | 7.2  | 8.3  | 7.9  | 6.4  | 6.4  | 6.7 | 7.5 | 6.7 | 6.3 |
| Critical (16%)                      | 6.0   | 6.0 | 6.7  | 6.9  | 7.1  | 6.6  | 6.0  | 6.1  | 6.4 | 6.6 | 6.3 | 6.2 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |      |      |      |      |      |      |     |     |     |     |
|-------------------------------------|---|-----|------|------|------|------|------|------|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May  | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |      |      |      |      |      |      |     |     |     |     |
| 10%                                 | 6.9   | 8.2 | 15.0 | 17.5 | 18.9 | 18.2 | 15.3 | 13.2 | 9.6 | 8.4 | 7.5 | 8.0 |
| 20%                                 | 6.7   | 6.9 | 11.1 | 15.2 | 17.0 | 15.4 | 11.7 | 10.7 | 8.2 | 8.1 | 7.5 | 7.8 |
| 30%                                 | 6.5   | 6.7 | 8.7  | 11.0 | 14.5 | 12.7 | 8.9  | 8.3  | 7.1 | 7.9 | 7.4 | 7.6 |
| 40%                                 | 6.4   | 6.5 | 7.5  | 9.4  | 11.6 | 10.6 | 7.6  | 7.2  | 6.8 | 7.8 | 7.3 | 7.2 |
| 50%                                 | 6.2   | 6.4 | 7.1  | 8.3  | 9.5  | 8.7  | 7.0  | 6.9  | 6.7 | 7.6 | 7.2 | 6.9 |
| 60%                                 | 6.1   | 6.3 | 6.8  | 7.7  | 8.2  | 8.1  | 6.5  | 6.6  | 6.7 | 7.6 | 7.1 | 6.5 |
| 70%                                 | 6.0   | 6.1 | 6.6  | 6.8  | 7.5  | 7.5  | 6.2  | 6.4  | 6.6 | 7.4 | 6.7 | 6.3 |
| 80%                                 | 5.9   | 6.0 | 6.4  | 6.6  | 7.1  | 6.6  | 6.1  | 6.3  | 6.5 | 7.1 | 6.5 | 6.2 |
| 90%                                 | 5.8   | 5.9 | 6.2  | 6.3  | 6.6  | 6.2  | 6.0  | 6.1  | 6.3 | 6.6 | 6.3 | 6.1 |
| <b>Long Term</b>                    |   |     |      |      |      |      |      |      |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 6.4   | 6.9 | 8.7  | 10.2 | 11.5 | 10.7 | 8.7  | 8.2  | 7.5 | 7.6 | 7.1 | 7.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |      |      |      |      |      |      |     |     |     |     |
| Wet (30%)                           | 6.8   | 7.9 | 12.1 | 14.6 | 16.6 | 15.0 | 12.7 | 11.2 | 9.3 | 7.9 | 7.4 | 7.8 |
| Above Normal (11%)                  | 6.3   | 6.6 | 7.9  | 12.6 | 13.4 | 13.4 | 9.1  | 8.6  | 7.7 | 8.0 | 7.4 | 7.8 |
| Below Normal (21%)                  | 6.4   | 6.7 | 7.5  | 8.5  | 9.9  | 9.3  | 7.4  | 7.3  | 6.8 | 8.0 | 7.3 | 6.8 |
| Dry (22%)                           | 6.2   | 6.4 | 7.3  | 7.2  | 8.3  | 7.9  | 6.4  | 6.5  | 6.6 | 7.5 | 6.7 | 6.3 |
| Critical (16%)                      | 6.0   | 6.0 | 6.7  | 6.9  | 7.1  | 6.6  | 6.0  | 6.1  | 6.4 | 6.6 | 6.3 | 6.2 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |      |     |      |      |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|------|-----|------|------|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug  | Sep  |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |      |     |      |      |
| 10%                                 | 0.0   | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.2  |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.2  |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0  | 0.0 | 0.0  | 0.3  |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.1  |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.1  |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0  | 0.0 | 0.0  | -0.1 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | -0.1 | 0.0  |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |      |     |      |      |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.1  |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |      |     |      |      |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.2  |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | -0.1 | 0.3  |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0  | 0.0  |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-2a. Sacramento River at Freeport, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |      |      |      |      |      |      |     |     |     |     |
|-------------------------------------|---|-----|------|------|------|------|------|------|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May  | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |      |      |      |      |      |      |     |     |     |     |
| 10%                                 | 5.7   | 7.3 | 14.4 | 17.1 | 18.5 | 17.9 | 15.0 | 12.7 | 8.8 | 7.3 | 6.3 | 6.7 |
| 20%                                 | 5.3   | 5.5 | 10.3 | 14.8 | 16.6 | 15.0 | 11.2 | 10.1 | 7.0 | 7.0 | 6.2 | 6.5 |
| 30%                                 | 5.1   | 5.1 | 7.8  | 10.3 | 14.1 | 12.2 | 8.0  | 7.4  | 5.7 | 6.7 | 6.1 | 6.2 |
| 40%                                 | 4.9   | 5.0 | 6.2  | 8.5  | 11.0 | 10.0 | 6.5  | 5.9  | 5.1 | 6.5 | 6.0 | 5.8 |
| 50%                                 | 4.6   | 4.8 | 5.6  | 7.2  | 8.7  | 7.8  | 5.7  | 5.5  | 5.0 | 6.4 | 5.9 | 5.5 |
| 60%                                 | 4.2   | 4.5 | 5.2  | 6.5  | 7.2  | 7.1  | 4.8  | 5.0  | 4.9 | 6.2 | 5.6 | 5.1 |
| 70%                                 | 4.0   | 4.3 | 4.9  | 5.3  | 6.4  | 6.4  | 4.5  | 4.6  | 4.8 | 5.9 | 5.0 | 4.5 |
| 80%                                 | 3.9   | 3.9 | 4.3  | 4.8  | 5.8  | 5.3  | 4.4  | 4.4  | 4.6 | 5.4 | 4.6 | 4.4 |
| 90%                                 | 3.7   | 3.7 | 4.2  | 4.5  | 5.0  | 4.7  | 4.1  | 4.0  | 4.2 | 4.5 | 4.2 | 4.2 |
| <b>Long Term</b>                    |   |     |      |      |      |      |      |      |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 4.8   | 5.2 | 7.4  | 9.1  | 10.7 | 9.9  | 7.5  | 6.9  | 6.0 | 6.2 | 5.5 | 5.5 |
| <b>Water Year Types<sup>b</sup></b> |   |     |      |      |      |      |      |      |     |     |     |     |
| Wet (30%)                           | 5.3   | 6.5 | 11.3 | 14.0 | 16.2 | 14.5 | 12.0 | 10.5 | 8.1 | 6.6 | 6.0 | 6.5 |
| Above Normal (11%)                  | 4.5   | 5.0 | 6.5  | 11.9 | 12.9 | 12.9 | 8.2  | 7.5  | 6.3 | 6.8 | 6.3 | 6.3 |
| Below Normal (21%)                  | 4.8   | 5.1 | 5.9  | 7.3  | 9.0  | 8.5  | 6.1  | 6.0  | 5.1 | 6.8 | 6.0 | 5.4 |
| Dry (22%)                           | 4.6   | 4.6 | 5.7  | 5.7  | 7.2  | 6.8  | 4.8  | 4.7  | 4.9 | 6.1 | 5.0 | 4.5 |
| Critical (16%)                      | 4.0   | 3.9 | 4.8  | 5.2  | 5.7  | 5.1  | 4.2  | 4.0  | 4.2 | 4.5 | 4.1 | 4.2 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |      |      |      |      |      |      |     |     |     |     |
|-------------------------------------|---|-----|------|------|------|------|------|------|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May  | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |      |      |      |      |      |      |     |     |     |     |
| 10%                                 | 5.7   | 7.1 | 14.4 | 17.1 | 18.5 | 18.0 | 15.0 | 12.7 | 8.8 | 7.3 | 6.2 | 7.1 |
| 20%                                 | 5.3   | 5.6 | 10.3 | 14.8 | 16.6 | 15.0 | 11.2 | 10.1 | 7.0 | 6.9 | 6.2 | 6.8 |
| 30%                                 | 5.2   | 5.1 | 7.8  | 10.4 | 14.1 | 12.1 | 8.1  | 7.4  | 5.7 | 6.7 | 6.1 | 6.4 |
| 40%                                 | 4.9   | 5.0 | 6.2  | 8.5  | 11.0 | 10.0 | 6.6  | 6.0  | 5.1 | 6.5 | 6.0 | 6.0 |
| 50%                                 | 4.6   | 4.8 | 5.6  | 7.2  | 8.7  | 7.9  | 5.8  | 5.4  | 5.0 | 6.4 | 5.8 | 5.5 |
| 60%                                 | 4.2   | 4.6 | 5.2  | 6.5  | 7.2  | 7.2  | 4.9  | 5.0  | 4.8 | 6.2 | 5.5 | 4.9 |
| 70%                                 | 4.0   | 4.2 | 4.9  | 5.3  | 6.4  | 6.5  | 4.6  | 4.6  | 4.7 | 5.9 | 5.0 | 4.5 |
| 80%                                 | 3.9   | 3.9 | 4.4  | 4.8  | 5.8  | 5.3  | 4.4  | 4.4  | 4.6 | 5.4 | 4.5 | 4.4 |
| 90%                                 | 3.8   | 3.7 | 4.2  | 4.5  | 5.0  | 4.7  | 4.1  | 4.0  | 4.2 | 4.5 | 4.2 | 4.2 |
| <b>Long Term</b>                    |   |     |      |      |      |      |      |      |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 4.7   | 5.2 | 7.4  | 9.1  | 10.7 | 9.9  | 7.6  | 6.9  | 5.9 | 6.2 | 5.5 | 5.6 |
| <b>Water Year Types<sup>b</sup></b> |   |     |      |      |      |      |      |      |     |     |     |     |
| Wet (30%)                           | 5.3   | 6.5 | 11.3 | 14.0 | 16.2 | 14.5 | 12.0 | 10.5 | 8.1 | 6.5 | 6.0 | 6.8 |
| Above Normal (11%)                  | 4.6   | 5.0 | 6.6  | 11.9 | 12.8 | 12.9 | 8.3  | 7.6  | 6.3 | 6.8 | 6.2 | 6.7 |
| Below Normal (21%)                  | 4.8   | 5.1 | 5.9  | 7.4  | 9.0  | 8.5  | 6.2  | 5.9  | 5.1 | 6.8 | 5.9 | 5.4 |
| Dry (22%)                           | 4.6   | 4.7 | 5.7  | 5.7  | 7.2  | 6.9  | 4.9  | 4.8  | 4.8 | 6.1 | 5.0 | 4.5 |
| Critical (16%)                      | 4.0   | 3.9 | 4.9  | 5.2  | 5.8  | 5.1  | 4.2  | 4.0  | 4.2 | 4.5 | 4.1 | 4.2 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |      |     |     |      |      |     |     |      |      |      |      |
|-------------------------------------|---|------|-----|-----|------|------|-----|-----|------|------|------|------|
|                                     | Oct   | Nov  | Dec | Jan | Feb  | Mar  | Apr | May | Jun  | Jul  | Aug  | Sep  |
| <b>Probability of Exceedance</b>    |   |      |     |     |      |      |     |     |      |      |      |      |
| 10%                                 | 0.0   | -0.2 | 0.1 | 0.0 | 0.0  | 0.1  | 0.0 | 0.0 | 0.0  | 0.0  | -0.1 | -0.1 |
| 20%                                 | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | -0.1 | -0.1 |
| 30%                                 | 0.0   | 0.0  | 0.0 | 0.1 | 0.0  | -0.1 | 0.1 | 0.0 | 0.0  | 0.0  | -0.1 | 0.2  |
| 40%                                 | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.1 | 0.0  | 0.0  | 0.0  | 0.2  |
| 50%                                 | 0.0   | 0.0  | 0.0 | 0.0 | -0.1 | 0.1  | 0.1 | 0.0 | -0.1 | 0.0  | 0.0  | 0.1  |
| 60%                                 | 0.0   | 0.1  | 0.0 | 0.0 | 0.0  | 0.0  | 0.1 | 0.0 | -0.1 | 0.0  | 0.0  | -0.2 |
| 70%                                 | 0.0   | 0.0  | 0.0 | 0.0 | -0.1 | 0.1  | 0.0 | 0.0 | -0.1 | 0.0  | 0.0  | 0.0  |
| 80%                                 | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | -0.1 | -0.1 | 0.0  |
| 90%                                 | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | -0.1 | 0.0  | 0.0  | 0.0  |
| <b>Long Term</b>                    |   |      |     |     |      |      |     |     |      |      |      |      |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.1  |
| <b>Water Year Types<sup>b</sup></b> |   |      |     |     |      |      |     |     |      |      |      |      |
| Wet (30%)                           | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.2  |
| Above Normal (11%)                  | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.1 | 0.0 | 0.0  | -0.1 | -0.1 | 0.4  |
| Below Normal (21%)                  | 0.0   | 0.0  | 0.1 | 0.0 | 0.0  | 0.0  | 0.1 | 0.0 | 0.0  | -0.1 | -0.1 | 0.0  |
| Dry (22%)                           | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.1  | 0.0 | 0.1 | -0.1 | 0.0  | 0.0  | 0.0  |
| Critical (16%)                      | 0.0   | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-3a. Sacramento River d/s of Steamboat Slough, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Maximum Elevation (FEET) |     |      |      |      |      |      |     |     |     |     |     |
|---|---|-----|------|------|------|------|------|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |      |      |      |      |      |     |     |     |     |     |
| 10%   | 6.2   | 6.8 | 10.1 | 11.6 | 12.5 | 12.0 | 10.1 | 9.0 | 7.3 | 6.9 | 6.6 | 6.5 |
| 20%   | 6.1   | 6.3 | 8.1  | 10.3 | 11.2 | 10.2 | 8.3  | 7.6 | 6.8 | 6.8 | 6.5 | 6.4 |
| 30%   | 6.0   | 6.1 | 7.0  | 8.0  | 9.8  | 8.7  | 6.9  | 6.7 | 6.4 | 6.7 | 6.5 | 6.3 |
| 40%   | 5.9   | 6.0 | 6.6  | 7.4  | 8.3  | 7.7  | 6.3  | 6.3 | 6.4 | 6.7 | 6.4 | 6.2 |
| 50%   | 5.9   | 5.9 | 6.4  | 6.9  | 7.2  | 6.8  | 6.1  | 6.3 | 6.3 | 6.6 | 6.4 | 6.2 |
| 60%   | 5.8   | 5.9 | 6.2  | 6.6  | 6.8  | 6.5  | 5.9  | 6.1 | 6.3 | 6.6 | 6.3 | 6.1 |
| 70%   | 5.7   | 5.8 | 6.2  | 6.3  | 6.5  | 6.3  | 5.8  | 6.0 | 6.2 | 6.5 | 6.3 | 6.0 |
| 80%   | 5.6   | 5.7 | 6.1  | 6.2  | 6.3  | 6.0  | 5.7  | 5.9 | 6.1 | 6.4 | 6.2 | 5.9 |
| 90%   | 5.5   | 5.6 | 5.8  | 6.0  | 6.1  | 5.8  | 5.6  | 5.8 | 6.0 | 6.3 | 6.0 | 5.8 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |      |      |      |      |      |     |     |     |     |     |
|   | 5.9   | 6.1 | 7.1  | 7.9  | 8.5  | 8.0  | 7.0  | 6.8 | 6.6 | 6.6 | 6.4 | 6.2 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |      |      |      |      |      |     |     |     |     |     |
| Wet (30%)   | 6.1   | 6.6 | 8.7  | 10.1 | 11.2 | 10.2 | 8.9  | 8.1 | 7.4 | 6.7 | 6.5 | 6.5 |
| Above Normal (11%)                                  | 5.8   | 6.0 | 6.8  | 9.0  | 9.5  | 9.2  | 7.0  | 6.9 | 6.6 | 6.7 | 6.5 | 6.3 |
| Below Normal (21%)                                  | 5.9   | 6.0 | 6.5  | 7.0  | 7.6  | 7.1  | 6.3  | 6.4 | 6.3 | 6.7 | 6.4 | 6.2 |
| Dry (22%)   | 5.8   | 5.9 | 6.4  | 6.4  | 6.8  | 6.5  | 5.8  | 6.0 | 6.2 | 6.6 | 6.2 | 6.0 |
| Critical (16%)                                      | 5.7   | 5.7 | 6.2  | 6.3  | 6.4  | 6.0  | 5.7  | 5.8 | 6.1 | 6.3 | 6.0 | 5.9 |

**Proposed Project 021624**

| Statistic   | Monthly Averaged Daily Maximum Elevation (FEET) |     |      |      |      |      |      |     |     |     |     |     |
|---|---|-----|------|------|------|------|------|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec  | Jan  | Feb  | Mar  | Apr  | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |      |      |      |      |      |     |     |     |     |     |
| 10%   | 6.2   | 6.8 | 10.1 | 11.6 | 12.5 | 12.0 | 10.1 | 9.0 | 7.3 | 6.8 | 6.6 | 6.6 |
| 20%   | 6.1   | 6.3 | 8.1  | 10.3 | 11.2 | 10.2 | 8.3  | 7.6 | 6.8 | 6.8 | 6.5 | 6.5 |
| 30%   | 6.0   | 6.1 | 7.0  | 8.0  | 9.8  | 8.7  | 7.0  | 6.7 | 6.4 | 6.7 | 6.5 | 6.4 |
| 40%   | 5.9   | 6.0 | 6.6  | 7.4  | 8.3  | 7.7  | 6.4  | 6.3 | 6.4 | 6.7 | 6.4 | 6.3 |
| 50%   | 5.9   | 5.9 | 6.4  | 6.9  | 7.2  | 6.8  | 6.1  | 6.3 | 6.3 | 6.6 | 6.4 | 6.2 |
| 60%   | 5.8   | 5.9 | 6.3  | 6.6  | 6.8  | 6.5  | 6.0  | 6.1 | 6.3 | 6.6 | 6.3 | 6.1 |
| 70%   | 5.7   | 5.8 | 6.2  | 6.3  | 6.6  | 6.3  | 5.8  | 6.0 | 6.2 | 6.5 | 6.3 | 6.0 |
| 80%   | 5.6   | 5.7 | 6.0  | 6.2  | 6.3  | 6.0  | 5.8  | 5.9 | 6.1 | 6.4 | 6.1 | 5.9 |
| 90%   | 5.5   | 5.6 | 5.8  | 6.0  | 6.1  | 5.8  | 5.6  | 5.8 | 6.0 | 6.3 | 6.0 | 5.8 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |      |      |      |      |      |     |     |     |     |     |
|   | 5.9   | 6.1 | 7.1  | 7.9  | 8.5  | 8.0  | 7.0  | 6.8 | 6.6 | 6.6 | 6.4 | 6.2 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |      |      |      |      |      |     |     |     |     |     |
| Wet (30%)   | 6.1   | 6.6 | 8.7  | 10.1 | 11.2 | 10.2 | 8.9  | 8.1 | 7.4 | 6.7 | 6.5 | 6.5 |
| Above Normal (11%)                                  | 5.8   | 6.0 | 6.8  | 9.0  | 9.5  | 9.3  | 7.0  | 6.9 | 6.6 | 6.7 | 6.5 | 6.4 |
| Below Normal (21%)                                  | 5.9   | 6.0 | 6.5  | 7.0  | 7.6  | 7.1  | 6.3  | 6.4 | 6.3 | 6.7 | 6.4 | 6.2 |
| Dry (22%)   | 5.8   | 5.9 | 6.4  | 6.4  | 6.8  | 6.5  | 5.9  | 6.0 | 6.2 | 6.6 | 6.2 | 6.0 |
| Critical (16%)                                      | 5.7   | 5.7 | 6.2  | 6.3  | 6.4  | 6.0  | 5.7  | 5.8 | 6.1 | 6.3 | 6.0 | 5.9 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 20%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 30%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Below Normal (21%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-4a. Sacramento River d/s of Steamboat Slough, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |      |      |      |     |     |     |     |     |     |
|---|---|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan  | Feb  | Mar  | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |      |      |      |     |     |     |     |     |     |
| 10%   | 3.8   | 4.8 | 9.0 | 10.8 | 11.8 | 11.4 | 9.3 | 7.9 | 5.6 | 4.5 | 4.1 | 4.3 |
| 20%   | 3.6   | 3.7 | 6.6 | 9.3  | 10.4 | 9.4  | 7.0 | 6.3 | 4.4 | 4.3 | 4.0 | 4.2 |
| 30%   | 3.6   | 3.5 | 5.0 | 6.5  | 8.8  | 7.6  | 5.2 | 4.7 | 3.7 | 4.2 | 4.0 | 4.1 |
| 40%   | 3.5   | 3.4 | 4.2 | 5.5  | 7.0  | 6.3  | 4.4 | 4.0 | 3.5 | 4.1 | 3.9 | 3.9 |
| 50%   | 3.3   | 3.3 | 3.9 | 4.8  | 5.6  | 5.1  | 3.9 | 3.8 | 3.5 | 4.1 | 3.9 | 3.7 |
| 60%   | 3.2   | 3.2 | 3.7 | 4.3  | 4.7  | 4.7  | 3.5 | 3.5 | 3.4 | 4.0 | 3.8 | 3.6 |
| 70%   | 3.1   | 3.1 | 3.4 | 3.7  | 4.3  | 4.4  | 3.3 | 3.4 | 3.3 | 3.9 | 3.5 | 3.4 |
| 80%   | 3.1   | 3.0 | 3.3 | 3.5  | 4.0  | 3.7  | 3.2 | 3.2 | 3.3 | 3.7 | 3.4 | 3.3 |
| 90%   | 3.0   | 2.8 | 3.1 | 3.3  | 3.6  | 3.4  | 3.1 | 3.1 | 3.1 | 3.3 | 3.2 | 3.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |      |      |      |     |     |     |     |     |     |
|   | 3.4   | 3.6 | 4.9 | 6.0  | 6.9  | 6.4  | 5.0 | 4.6 | 4.0 | 4.0 | 3.7 | 3.8 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |      |      |      |     |     |     |     |     |     |
| Wet (30%)   | 3.7   | 4.3 | 7.2 | 8.9  | 10.3 | 9.2  | 7.6 | 6.6 | 5.2 | 4.2 | 4.0 | 4.3 |
| Above Normal (11%)                                  | 3.3   | 3.5 | 4.4 | 7.6  | 8.2  | 8.1  | 5.3 | 4.9 | 4.2 | 4.3 | 4.1 | 4.1 |
| Below Normal (21%)                                  | 3.4   | 3.5 | 4.1 | 4.9  | 5.9  | 5.5  | 4.1 | 4.1 | 3.5 | 4.3 | 3.9 | 3.7 |
| Dry (22%)   | 3.3   | 3.3 | 4.0 | 3.9  | 4.8  | 4.5  | 3.5 | 3.4 | 3.4 | 3.9 | 3.5 | 3.3 |
| Critical (16%)                                      | 3.1   | 3.0 | 3.5 | 3.7  | 4.0  | 3.7  | 3.2 | 3.1 | 3.1 | 3.3 | 3.2 | 3.2 |

**Proposed Project 021624**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |      |      |      |     |     |     |     |     |     |
|---|---|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan  | Feb  | Mar  | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |      |      |      |     |     |     |     |     |     |
| 10%   | 3.9   | 4.8 | 9.0 | 10.8 | 11.8 | 11.4 | 9.3 | 7.9 | 5.6 | 4.5 | 4.1 | 4.5 |
| 20%   | 3.6   | 3.8 | 6.6 | 9.3  | 10.4 | 9.4  | 7.0 | 6.3 | 4.4 | 4.3 | 4.0 | 4.3 |
| 30%   | 3.6   | 3.5 | 5.0 | 6.5  | 8.8  | 7.6  | 5.2 | 4.7 | 3.7 | 4.2 | 4.0 | 4.2 |
| 40%   | 3.5   | 3.4 | 4.2 | 5.5  | 7.0  | 6.4  | 4.4 | 4.1 | 3.5 | 4.1 | 3.9 | 4.0 |
| 50%   | 3.3   | 3.3 | 3.9 | 4.8  | 5.6  | 5.1  | 3.9 | 3.7 | 3.4 | 4.1 | 3.9 | 3.8 |
| 60%   | 3.2   | 3.3 | 3.7 | 4.3  | 4.7  | 4.7  | 3.5 | 3.6 | 3.4 | 4.0 | 3.7 | 3.5 |
| 70%   | 3.1   | 3.1 | 3.5 | 3.7  | 4.3  | 4.4  | 3.3 | 3.4 | 3.3 | 3.9 | 3.5 | 3.4 |
| 80%   | 3.1   | 3.0 | 3.3 | 3.5  | 4.1  | 3.7  | 3.2 | 3.3 | 3.3 | 3.7 | 3.3 | 3.3 |
| 90%   | 2.9   | 2.8 | 3.1 | 3.3  | 3.6  | 3.4  | 3.1 | 3.1 | 3.0 | 3.3 | 3.2 | 3.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |      |      |      |     |     |     |     |     |     |
|   | 3.4   | 3.6 | 4.9 | 6.0  | 6.9  | 6.4  | 5.0 | 4.6 | 4.0 | 4.0 | 3.7 | 3.8 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |      |      |      |     |     |     |     |     |     |
| Wet (30%)   | 3.7   | 4.3 | 7.2 | 8.9  | 10.3 | 9.2  | 7.6 | 6.6 | 5.2 | 4.2 | 4.0 | 4.4 |
| Above Normal (11%)                                  | 3.4   | 3.5 | 4.4 | 7.6  | 8.2  | 8.2  | 5.3 | 4.9 | 4.2 | 4.2 | 4.0 | 4.3 |
| Below Normal (21%)                                  | 3.4   | 3.5 | 4.1 | 4.9  | 5.9  | 5.5  | 4.2 | 4.1 | 3.5 | 4.2 | 3.9 | 3.7 |
| Dry (22%)   | 3.3   | 3.3 | 3.9 | 3.9  | 4.8  | 4.6  | 3.5 | 3.4 | 3.3 | 3.9 | 3.5 | 3.3 |
| Critical (16%)                                      | 3.1   | 3.0 | 3.5 | 3.7  | 4.0  | 3.6  | 3.2 | 3.1 | 3.1 | 3.3 | 3.2 | 3.2 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |      |     |     |     |     |      |     |
|---|---|-----|-----|-----|-----|------|-----|-----|-----|-----|------|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar  | Apr | May | Jun | Jul | Aug  | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |      |     |     |     |     |      |     |
| 10%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1 |
| 20%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1 |
| 30%   | 0.0   | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1 |
| 40%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1 |
| 50%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| 60%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| 70%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| 80%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| 90%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |      |     |     |     |     |      |     |
|   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |      |     |     |     |     |      |     |
| Wet (30%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.1 |
| Above Normal (11%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.2 |
| Below Normal (21%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| Dry (22%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| Critical (16%)                                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-5a. Sacramento River at Rio Vista, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.9   | 6.1 | 6.7 | 7.0 | 7.0 | 6.6 | 6.2 | 6.3 | 6.4 | 6.4 | 6.2 | 6.0 |
| 20%                                 | 5.8   | 5.9 | 6.5 | 6.6 | 6.7 | 6.3 | 6.0 | 6.2 | 6.2 | 6.3 | 6.2 | 6.0 |
| 30%                                 | 5.7   | 5.8 | 6.2 | 6.4 | 6.5 | 6.1 | 5.9 | 6.0 | 6.2 | 6.3 | 6.1 | 6.0 |
| 40%                                 | 5.7   | 5.8 | 6.1 | 6.3 | 6.3 | 6.0 | 5.8 | 6.0 | 6.1 | 6.3 | 6.1 | 5.9 |
| 50%                                 | 5.6   | 5.7 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.9 | 6.1 | 6.2 | 6.1 | 5.9 |
| 60%                                 | 5.6   | 5.7 | 6.0 | 6.1 | 6.1 | 5.8 | 5.6 | 5.8 | 6.1 | 6.2 | 6.0 | 5.8 |
| 70%                                 | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.7 | 5.6 | 5.8 | 6.0 | 6.2 | 6.0 | 5.8 |
| 80%                                 | 5.5   | 5.6 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.8 | 6.0 | 6.2 | 6.0 | 5.7 |
| 90%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.7   | 5.8 | 6.1 | 6.3 | 6.3 | 6.0 | 5.8 | 6.0 | 6.1 | 6.2 | 6.1 | 5.9 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.7   | 5.9 | 6.4 | 6.7 | 6.8 | 6.4 | 6.1 | 6.2 | 6.3 | 6.3 | 6.1 | 6.0 |
| Above Normal (11%)                  | 5.7   | 5.8 | 6.1 | 6.5 | 6.6 | 6.1 | 5.8 | 6.0 | 6.1 | 6.2 | 6.1 | 5.8 |
| Below Normal (21%)                  | 5.7   | 5.7 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.9 | 6.1 | 6.2 | 6.1 | 5.9 |
| Dry (22%)                           | 5.6   | 5.7 | 5.9 | 5.9 | 5.9 | 5.7 | 5.5 | 5.8 | 6.0 | 6.2 | 6.0 | 5.8 |
| Critical (16%)                      | 5.7   | 5.7 | 5.9 | 6.0 | 5.9 | 5.6 | 5.6 | 5.8 | 6.1 | 6.2 | 6.0 | 5.9 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.9   | 6.1 | 6.7 | 7.0 | 7.0 | 6.6 | 6.2 | 6.3 | 6.4 | 6.4 | 6.2 | 6.0 |
| 20%                                 | 5.8   | 5.9 | 6.5 | 6.6 | 6.7 | 6.3 | 6.0 | 6.2 | 6.2 | 6.3 | 6.2 | 6.0 |
| 30%                                 | 5.7   | 5.8 | 6.2 | 6.4 | 6.5 | 6.1 | 5.9 | 6.0 | 6.2 | 6.3 | 6.1 | 6.0 |
| 40%                                 | 5.7   | 5.8 | 6.1 | 6.3 | 6.3 | 6.0 | 5.8 | 6.0 | 6.1 | 6.3 | 6.1 | 5.9 |
| 50%                                 | 5.6   | 5.7 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.9 | 6.1 | 6.2 | 6.1 | 5.9 |
| 60%                                 | 5.6   | 5.7 | 6.0 | 6.1 | 6.1 | 5.8 | 5.6 | 5.8 | 6.1 | 6.2 | 6.0 | 5.8 |
| 70%                                 | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.7 | 5.6 | 5.8 | 6.0 | 6.2 | 6.0 | 5.8 |
| 80%                                 | 5.5   | 5.6 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.8 | 6.0 | 6.2 | 6.0 | 5.8 |
| 90%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.7 | 5.9 | 6.1 | 5.9 | 5.7 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.7   | 5.8 | 6.1 | 6.3 | 6.3 | 6.0 | 5.8 | 6.0 | 6.1 | 6.2 | 6.1 | 5.9 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.7   | 5.9 | 6.4 | 6.7 | 6.8 | 6.4 | 6.1 | 6.2 | 6.3 | 6.3 | 6.1 | 6.0 |
| Above Normal (11%)                  | 5.7   | 5.8 | 6.1 | 6.5 | 6.6 | 6.1 | 5.8 | 6.0 | 6.1 | 6.2 | 6.0 | 5.8 |
| Below Normal (21%)                  | 5.7   | 5.7 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.9 | 6.1 | 6.2 | 6.1 | 5.9 |
| Dry (22%)                           | 5.6   | 5.7 | 5.9 | 5.9 | 5.9 | 5.7 | 5.5 | 5.8 | 6.0 | 6.2 | 6.0 | 5.8 |
| Critical (16%)                      | 5.7   | 5.7 | 6.0 | 6.0 | 5.9 | 5.6 | 5.6 | 5.8 | 6.1 | 6.2 | 6.0 | 5.9 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-6a. Sacramento River at Rio Vista, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 2.2   | 2.1 | 2.7 | 3.5 | 4.0 | 3.4 | 2.6 | 2.3 | 2.2 | 2.2 | 2.3 | 2.4 |
| 20%                                 | 2.1   | 2.0 | 2.4 | 2.8 | 3.1 | 2.8 | 2.3 | 2.1 | 2.0 | 2.1 | 2.2 | 2.3 |
| 30%                                 | 2.0   | 1.9 | 2.1 | 2.4 | 2.8 | 2.5 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.2 |
| 40%                                 | 2.0   | 1.9 | 1.9 | 2.1 | 2.5 | 2.3 | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 2.2 |
| 50%                                 | 2.0   | 1.8 | 1.9 | 2.0 | 2.2 | 2.1 | 1.9 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 |
| 60%                                 | 1.9   | 1.8 | 1.8 | 1.9 | 2.1 | 2.1 | 1.8 | 1.8 | 1.9 | 2.0 | 2.1 | 2.1 |
| 70%                                 | 1.9   | 1.7 | 1.7 | 1.8 | 2.0 | 2.0 | 1.7 | 1.8 | 1.8 | 2.0 | 2.1 | 2.1 |
| 80%                                 | 1.9   | 1.6 | 1.7 | 1.8 | 1.9 | 1.8 | 1.7 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 |
| 90%                                 | 1.8   | 1.6 | 1.6 | 1.7 | 1.8 | 1.7 | 1.6 | 1.6 | 1.7 | 1.9 | 2.0 | 2.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 2.0   | 1.8 | 2.0 | 2.3 | 2.6 | 2.4 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 2.0   | 2.0 | 2.4 | 3.0 | 3.4 | 3.0 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 |
| Above Normal (11%)                  | 2.0   | 1.9 | 2.0 | 2.6 | 2.9 | 2.6 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 |
| Below Normal (21%)                  | 2.0   | 1.8 | 1.9 | 2.0 | 2.3 | 2.2 | 1.9 | 1.9 | 1.9 | 2.1 | 2.1 | 2.2 |
| Dry (22%)                           | 1.9   | 1.7 | 1.8 | 1.8 | 2.0 | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 | 2.1 | 2.1 |
| Critical (16%)                      | 1.9   | 1.7 | 1.8 | 1.8 | 2.0 | 1.9 | 1.7 | 1.7 | 1.8 | 2.0 | 2.1 | 2.2 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 2.2   | 2.1 | 2.7 | 3.5 | 4.0 | 3.4 | 2.6 | 2.3 | 2.2 | 2.2 | 2.3 | 2.4 |
| 20%                                 | 2.1   | 2.0 | 2.4 | 2.8 | 3.1 | 2.8 | 2.3 | 2.1 | 2.0 | 2.1 | 2.2 | 2.3 |
| 30%                                 | 2.0   | 1.9 | 2.1 | 2.4 | 2.8 | 2.5 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 |
| 40%                                 | 2.0   | 1.9 | 1.9 | 2.1 | 2.5 | 2.3 | 2.0 | 1.9 | 1.9 | 2.1 | 2.1 | 2.2 |
| 50%                                 | 2.0   | 1.8 | 1.9 | 2.0 | 2.2 | 2.1 | 1.9 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 |
| 60%                                 | 1.9   | 1.8 | 1.8 | 1.9 | 2.1 | 2.1 | 1.8 | 1.8 | 1.9 | 2.0 | 2.1 | 2.1 |
| 70%                                 | 1.9   | 1.7 | 1.7 | 1.8 | 2.0 | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 | 2.1 | 2.1 |
| 80%                                 | 1.9   | 1.6 | 1.7 | 1.8 | 1.9 | 1.8 | 1.7 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 |
| 90%                                 | 1.8   | 1.6 | 1.6 | 1.7 | 1.8 | 1.7 | 1.6 | 1.6 | 1.7 | 1.9 | 2.0 | 2.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 2.0   | 1.8 | 2.0 | 2.3 | 2.6 | 2.4 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 2.0   | 2.0 | 2.4 | 3.0 | 3.4 | 3.0 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 |
| Above Normal (11%)                  | 2.0   | 1.9 | 2.0 | 2.6 | 2.9 | 2.6 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 |
| Below Normal (21%)                  | 2.0   | 1.8 | 1.9 | 2.0 | 2.3 | 2.2 | 1.9 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 |
| Dry (22%)                           | 1.9   | 1.7 | 1.8 | 1.8 | 2.0 | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 | 2.1 | 2.1 |
| Critical (16%)                      | 1.9   | 1.7 | 1.8 | 1.8 | 2.0 | 1.9 | 1.7 | 1.7 | 1.8 | 2.0 | 2.1 | 2.2 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)



**Table 4B-5-7a. San Joaquin River at Jersey Point, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.7   | 5.8 | 6.2 | 6.5 | 6.5 | 6.1 | 5.8 | 6.0 | 6.1 | 6.1 | 6.0 | 5.8 |
| 20%                                 | 5.6   | 5.7 | 6.1 | 6.2 | 6.2 | 5.9 | 5.7 | 5.8 | 6.0 | 6.1 | 6.0 | 5.8 |
| 30%                                 | 5.5   | 5.6 | 5.9 | 6.0 | 6.0 | 5.8 | 5.6 | 5.8 | 6.0 | 6.1 | 5.9 | 5.8 |
| 40%                                 | 5.5   | 5.5 | 5.8 | 5.9 | 5.9 | 5.7 | 5.5 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| 50%                                 | 5.4   | 5.5 | 5.8 | 5.8 | 5.8 | 5.6 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 60%                                 | 5.4   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.4 | 5.6 | 5.8 | 6.0 | 5.8 | 5.6 |
| 70%                                 | 5.4   | 5.4 | 5.7 | 5.7 | 5.7 | 5.4 | 5.3 | 5.6 | 5.8 | 6.0 | 5.8 | 5.6 |
| 80%                                 | 5.3   | 5.4 | 5.5 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 | 5.8 | 5.9 | 5.7 | 5.6 |
| 90%                                 | 5.3   | 5.3 | 5.4 | 5.6 | 5.5 | 5.2 | 5.2 | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.5   | 5.5 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.5   | 5.6 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.8 | 6.0 | 6.0 | 5.9 | 5.8 |
| Above Normal (11%)                  | 5.5   | 5.6 | 5.8 | 6.1 | 6.2 | 5.7 | 5.5 | 5.7 | 5.9 | 6.0 | 5.8 | 5.6 |
| Below Normal (21%)                  | 5.5   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.8 | 5.6 |
| Dry (22%)                           | 5.4   | 5.4 | 5.7 | 5.7 | 5.6 | 5.5 | 5.3 | 5.6 | 5.8 | 5.9 | 5.8 | 5.6 |
| Critical (16%)                      | 5.5   | 5.5 | 5.7 | 5.7 | 5.7 | 5.4 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.7   | 5.8 | 6.2 | 6.5 | 6.5 | 6.1 | 5.8 | 6.0 | 6.1 | 6.1 | 6.0 | 5.8 |
| 20%                                 | 5.6   | 5.7 | 6.1 | 6.2 | 6.2 | 5.9 | 5.7 | 5.8 | 6.0 | 6.1 | 6.0 | 5.8 |
| 30%                                 | 5.5   | 5.6 | 5.9 | 6.0 | 6.0 | 5.8 | 5.6 | 5.7 | 6.0 | 6.1 | 5.9 | 5.8 |
| 40%                                 | 5.5   | 5.5 | 5.8 | 5.9 | 5.9 | 5.7 | 5.5 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| 50%                                 | 5.4   | 5.5 | 5.7 | 5.8 | 5.8 | 5.6 | 5.5 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 60%                                 | 5.4   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.4 | 5.6 | 5.8 | 6.0 | 5.8 | 5.6 |
| 70%                                 | 5.4   | 5.4 | 5.7 | 5.7 | 5.7 | 5.4 | 5.3 | 5.6 | 5.8 | 6.0 | 5.8 | 5.6 |
| 80%                                 | 5.3   | 5.4 | 5.6 | 5.6 | 5.6 | 5.4 | 5.3 | 5.5 | 5.8 | 5.9 | 5.7 | 5.6 |
| 90%                                 | 5.3   | 5.3 | 5.4 | 5.6 | 5.5 | 5.2 | 5.2 | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.5   | 5.5 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.5   | 5.6 | 6.0 | 6.2 | 6.2 | 5.9 | 5.7 | 5.8 | 6.0 | 6.0 | 5.9 | 5.8 |
| Above Normal (11%)                  | 5.5   | 5.6 | 5.8 | 6.1 | 6.2 | 5.7 | 5.5 | 5.7 | 5.9 | 6.0 | 5.8 | 5.6 |
| Below Normal (21%)                  | 5.5   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.8 | 5.6 |
| Dry (22%)                           | 5.4   | 5.4 | 5.7 | 5.7 | 5.6 | 5.5 | 5.3 | 5.6 | 5.8 | 5.9 | 5.8 | 5.6 |
| Critical (16%)                      | 5.5   | 5.5 | 5.7 | 5.8 | 5.7 | 5.4 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-8a. San Joaquin River at Jersey Point, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 2.4   | 2.2 | 2.5 | 2.9 | 3.3 | 3.0 | 2.5 | 2.4 | 2.4 | 2.4 | 2.5 | 2.6 |
| 20%   | 2.3   | 2.1 | 2.3 | 2.6 | 2.8 | 2.7 | 2.4 | 2.3 | 2.2 | 2.3 | 2.4 | 2.5 |
| 30%   | 2.2   | 2.1 | 2.2 | 2.4 | 2.6 | 2.5 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.4 |
| 40%   | 2.2   | 2.0 | 2.1 | 2.2 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.4 |
| 50%   | 2.2   | 2.0 | 2.1 | 2.1 | 2.3 | 2.3 | 2.1 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |
| 60%   | 2.1   | 1.9 | 2.0 | 2.1 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.3 |
| 70%   | 2.1   | 1.9 | 1.9 | 2.0 | 2.2 | 2.1 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 |
| 80%   | 2.1   | 1.8 | 1.8 | 2.0 | 2.1 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 |
| 90%   | 2.0   | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.1 | 2.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.4 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 2.2   | 2.1 | 2.3 | 2.7 | 2.9 | 2.8 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 |
| Above Normal (11%)                                  | 2.2   | 2.1 | 2.1 | 2.5 | 2.8 | 2.5 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| Below Normal (21%)                                  | 2.2   | 2.0 | 2.0 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| Dry (22%)   | 2.1   | 1.9 | 2.0 | 2.0 | 2.1 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.3 | 2.3 |
| Critical (16%)                                      | 2.2   | 1.9 | 2.0 | 2.0 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |

**Proposed Project 021624**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 2.4   | 2.2 | 2.5 | 2.9 | 3.3 | 3.0 | 2.5 | 2.4 | 2.4 | 2.4 | 2.5 | 2.6 |
| 20%   | 2.3   | 2.1 | 2.3 | 2.6 | 2.9 | 2.7 | 2.4 | 2.3 | 2.2 | 2.3 | 2.4 | 2.5 |
| 30%   | 2.2   | 2.1 | 2.2 | 2.4 | 2.6 | 2.5 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.4 |
| 40%   | 2.2   | 2.0 | 2.1 | 2.2 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.4 |
| 50%   | 2.2   | 2.0 | 2.1 | 2.1 | 2.3 | 2.3 | 2.1 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |
| 60%   | 2.1   | 1.9 | 2.0 | 2.1 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.3 |
| 70%   | 2.1   | 1.9 | 1.9 | 2.0 | 2.2 | 2.1 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 |
| 80%   | 2.1   | 1.8 | 1.8 | 2.0 | 2.1 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 |
| 90%   | 2.0   | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 1.9 | 1.8 | 2.0 | 2.1 | 2.1 | 2.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.4 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 2.2   | 2.1 | 2.3 | 2.7 | 2.9 | 2.8 | 2.4 | 2.2 | 2.3 | 2.3 | 2.3 | 2.4 |
| Above Normal (11%)                                  | 2.2   | 2.1 | 2.1 | 2.5 | 2.8 | 2.5 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| Below Normal (21%)                                  | 2.2   | 2.0 | 2.0 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| Dry (22%)   | 2.1   | 1.9 | 2.0 | 2.0 | 2.1 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.3 | 2.3 |
| Critical (16%)                                      | 2.2   | 1.9 | 2.0 | 2.0 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-9a. San Joaquin River at Prisoners Point, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.8   | 5.9 | 6.3 | 6.6 | 6.7 | 6.3 | 6.0 | 6.1 | 6.2 | 6.2 | 6.1 | 5.9 |
| 20%                                 | 5.7   | 5.7 | 6.2 | 6.3 | 6.4 | 6.0 | 5.8 | 6.0 | 6.1 | 6.2 | 6.1 | 5.9 |
| 30%                                 | 5.6   | 5.7 | 5.9 | 6.1 | 6.1 | 5.9 | 5.7 | 5.8 | 6.0 | 6.1 | 6.0 | 5.9 |
| 40%                                 | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.8 | 5.6 | 5.8 | 6.0 | 6.1 | 6.0 | 5.8 |
| 50%                                 | 5.5   | 5.6 | 5.8 | 5.9 | 5.9 | 5.7 | 5.5 | 5.7 | 5.9 | 6.1 | 5.9 | 5.8 |
| 60%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.5 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 70%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 80%                                 | 5.4   | 5.4 | 5.6 | 5.7 | 5.6 | 5.4 | 5.3 | 5.6 | 5.8 | 6.0 | 5.8 | 5.6 |
| 90%                                 | 5.4   | 5.4 | 5.5 | 5.6 | 5.5 | 5.3 | 5.3 | 5.5 | 5.8 | 5.9 | 5.8 | 5.6 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.7 | 5.6 | 5.7 | 6.0 | 6.1 | 5.9 | 5.8 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.6   | 5.7 | 6.1 | 6.4 | 6.4 | 6.1 | 5.9 | 5.9 | 6.1 | 6.1 | 6.0 | 5.9 |
| Above Normal (11%)                  | 5.6   | 5.6 | 5.8 | 6.2 | 6.3 | 5.8 | 5.6 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| Below Normal (21%)                  | 5.6   | 5.6 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| Dry (22%)                           | 5.5   | 5.5 | 5.7 | 5.7 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| Critical (16%)                      | 5.6   | 5.6 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.1 | 5.9 | 5.8 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.8   | 5.9 | 6.3 | 6.6 | 6.7 | 6.3 | 6.0 | 6.1 | 6.2 | 6.2 | 6.1 | 5.9 |
| 20%                                 | 5.7   | 5.7 | 6.2 | 6.3 | 6.4 | 6.0 | 5.8 | 5.9 | 6.1 | 6.2 | 6.1 | 5.9 |
| 30%                                 | 5.6   | 5.7 | 5.9 | 6.1 | 6.1 | 5.9 | 5.6 | 5.8 | 6.0 | 6.1 | 6.0 | 5.8 |
| 40%                                 | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.8 | 5.6 | 5.8 | 6.0 | 6.1 | 6.0 | 5.8 |
| 50%                                 | 5.5   | 5.6 | 5.8 | 5.9 | 5.9 | 5.7 | 5.5 | 5.7 | 5.9 | 6.1 | 5.9 | 5.8 |
| 60%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.8 | 5.5 | 5.5 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 70%                                 | 5.5   | 5.5 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| 80%                                 | 5.4   | 5.4 | 5.6 | 5.7 | 5.6 | 5.4 | 5.3 | 5.6 | 5.8 | 6.0 | 5.8 | 5.7 |
| 90%                                 | 5.4   | 5.4 | 5.5 | 5.6 | 5.5 | 5.3 | 5.2 | 5.5 | 5.8 | 5.9 | 5.8 | 5.6 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.6   | 5.6 | 5.9 | 6.0 | 6.0 | 5.7 | 5.6 | 5.7 | 6.0 | 6.1 | 5.9 | 5.8 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.6   | 5.7 | 6.1 | 6.4 | 6.4 | 6.1 | 5.8 | 5.9 | 6.1 | 6.1 | 6.0 | 5.9 |
| Above Normal (11%)                  | 5.6   | 5.6 | 5.8 | 6.2 | 6.3 | 5.8 | 5.6 | 5.7 | 5.9 | 6.0 | 5.9 | 5.7 |
| Below Normal (21%)                  | 5.6   | 5.6 | 5.8 | 5.9 | 5.9 | 5.6 | 5.5 | 5.7 | 5.9 | 6.1 | 5.9 | 5.7 |
| Dry (22%)                           | 5.5   | 5.5 | 5.7 | 5.7 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.0 | 5.9 | 5.7 |
| Critical (16%)                      | 5.6   | 5.6 | 5.7 | 5.8 | 5.7 | 5.5 | 5.4 | 5.6 | 5.9 | 6.1 | 5.9 | 5.8 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-10a. San Joaquin River at Prisoners Point, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 2.4   | 2.2 | 2.5 | 3.0 | 3.3 | 3.0 | 2.6 | 2.5 | 2.4 | 2.4 | 2.4 | 2.5 |
| 20%   | 2.3   | 2.1 | 2.4 | 2.6 | 2.9 | 2.7 | 2.4 | 2.3 | 2.2 | 2.3 | 2.4 | 2.4 |
| 30%   | 2.2   | 2.1 | 2.2 | 2.4 | 2.7 | 2.5 | 2.3 | 2.2 | 2.2 | 2.2 | 2.3 | 2.4 |
| 40%   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.4 |
| 50%   | 2.1   | 2.0 | 2.1 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| 60%   | 2.1   | 1.9 | 2.0 | 2.1 | 2.3 | 2.2 | 2.1 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| 70%   | 2.1   | 1.9 | 1.9 | 2.1 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| 80%   | 2.1   | 1.8 | 1.9 | 2.0 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 2.2 |
| 90%   | 2.0   | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.1 | 2.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 2.2   | 2.1 | 2.4 | 2.7 | 3.0 | 2.8 | 2.5 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 |
| Above Normal (11%)                                  | 2.2   | 2.0 | 2.1 | 2.5 | 2.8 | 2.6 | 2.2 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 |
| Below Normal (21%)                                  | 2.2   | 2.0 | 2.1 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 |
| Dry (22%)   | 2.1   | 1.9 | 2.0 | 2.0 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| Critical (16%)                                      | 2.2   | 1.9 | 2.0 | 2.1 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |

**Proposed Project 021624**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 2.4   | 2.2 | 2.5 | 3.0 | 3.3 | 3.0 | 2.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 |
| 20%   | 2.3   | 2.1 | 2.4 | 2.7 | 2.9 | 2.7 | 2.4 | 2.3 | 2.2 | 2.3 | 2.4 | 2.4 |
| 30%   | 2.2   | 2.1 | 2.2 | 2.4 | 2.7 | 2.5 | 2.3 | 2.2 | 2.2 | 2.2 | 2.3 | 2.4 |
| 40%   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.2 | 2.2 | 2.3 | 2.3 |
| 50%   | 2.1   | 2.0 | 2.1 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.3 | 2.3 |
| 60%   | 2.1   | 1.9 | 2.0 | 2.1 | 2.3 | 2.2 | 2.1 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| 70%   | 2.1   | 1.9 | 1.9 | 2.1 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| 80%   | 2.1   | 1.8 | 1.9 | 2.0 | 2.1 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.2 | 2.2 |
| 90%   | 2.0   | 1.8 | 1.8 | 1.9 | 2.0 | 2.0 | 1.9 | 1.9 | 2.0 | 2.1 | 2.1 | 2.2 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 2.2   | 2.0 | 2.1 | 2.3 | 2.5 | 2.4 | 2.2 | 2.1 | 2.2 | 2.2 | 2.3 | 2.3 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 2.2   | 2.1 | 2.4 | 2.8 | 3.0 | 2.8 | 2.5 | 2.3 | 2.3 | 2.3 | 2.3 | 2.4 |
| Above Normal (11%)                                  | 2.2   | 2.0 | 2.1 | 2.5 | 2.8 | 2.6 | 2.2 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 |
| Below Normal (21%)                                  | 2.2   | 2.0 | 2.1 | 2.2 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 |
| Dry (22%)   | 2.1   | 1.9 | 2.0 | 2.0 | 2.2 | 2.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.3 |
| Critical (16%)                                      | 2.2   | 1.9 | 2.0 | 2.1 | 2.2 | 2.1 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic   | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term Full Simulation Period<sup>a</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
|   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b>                 |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)   | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-11a. Old River at Tracy Blvd, Monthly Averaged Daily Maximum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.4   | 5.3 | 6.0 | 6.6 | 6.9 | 6.8 | 6.4 | 6.1 | 6.6 | 5.9 | 5.7 | 5.5 |
| 20%                                 | 5.3   | 5.2 | 5.7 | 6.1 | 6.3 | 6.0 | 6.0 | 5.9 | 5.9 | 5.6 | 5.5 | 5.4 |
| 30%                                 | 5.3   | 5.1 | 5.6 | 5.8 | 6.0 | 5.8 | 5.8 | 5.7 | 5.6 | 5.4 | 5.3 | 5.3 |
| 40%                                 | 5.2   | 5.1 | 5.4 | 5.6 | 5.8 | 5.6 | 5.7 | 5.6 | 5.5 | 5.3 | 5.2 | 5.2 |
| 50%                                 | 5.2   | 5.0 | 5.3 | 5.5 | 5.6 | 5.4 | 5.6 | 5.6 | 5.5 | 5.1 | 5.1 | 5.1 |
| 60%                                 | 5.1   | 4.9 | 5.1 | 5.4 | 5.5 | 5.3 | 5.5 | 5.5 | 5.4 | 5.0 | 5.0 | 5.1 |
| 70%                                 | 5.1   | 4.9 | 5.0 | 5.3 | 5.4 | 5.2 | 5.5 | 5.5 | 5.4 | 5.0 | 5.0 | 5.0 |
| 80%                                 | 5.1   | 4.8 | 4.9 | 5.2 | 5.2 | 5.1 | 5.4 | 5.4 | 5.3 | 4.9 | 4.9 | 5.0 |
| 90%                                 | 5.0   | 4.7 | 4.8 | 5.1 | 5.1 | 5.0 | 5.3 | 5.3 | 5.2 | 4.8 | 4.9 | 4.9 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.2   | 5.1 | 5.3 | 5.7 | 5.9 | 5.7 | 5.8 | 5.7 | 5.7 | 5.3 | 5.2 | 5.2 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.2   | 5.1 | 5.7 | 6.3 | 6.6 | 6.5 | 6.3 | 6.0 | 6.2 | 5.7 | 5.4 | 5.3 |
| Above Normal (11%)                  | 5.3   | 5.1 | 5.2 | 5.9 | 6.2 | 5.8 | 5.7 | 5.6 | 5.6 | 5.2 | 5.0 | 5.1 |
| Below Normal (21%)                  | 5.2   | 5.0 | 5.2 | 5.5 | 5.6 | 5.4 | 5.7 | 5.7 | 5.5 | 5.0 | 4.9 | 4.9 |
| Dry (22%)                           | 5.1   | 4.9 | 5.1 | 5.2 | 5.3 | 5.2 | 5.4 | 5.5 | 5.3 | 4.9 | 5.1 | 5.1 |
| Critical (16%)                      | 5.3   | 5.2 | 5.3 | 5.4 | 5.3 | 5.2 | 5.4 | 5.5 | 5.5 | 5.4 | 5.4 | 5.3 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 5.4   | 5.3 | 6.0 | 6.6 | 6.9 | 6.8 | 6.3 | 6.0 | 6.6 | 5.9 | 5.7 | 5.4 |
| 20%                                 | 5.3   | 5.2 | 5.7 | 6.1 | 6.3 | 6.0 | 6.0 | 5.8 | 5.9 | 5.6 | 5.5 | 5.3 |
| 30%                                 | 5.3   | 5.2 | 5.6 | 5.8 | 6.0 | 5.8 | 5.8 | 5.6 | 5.6 | 5.4 | 5.3 | 5.3 |
| 40%                                 | 5.3   | 5.1 | 5.4 | 5.7 | 5.8 | 5.6 | 5.7 | 5.6 | 5.6 | 5.2 | 5.2 | 5.2 |
| 50%                                 | 5.2   | 5.0 | 5.3 | 5.5 | 5.6 | 5.4 | 5.6 | 5.5 | 5.5 | 5.1 | 5.1 | 5.1 |
| 60%                                 | 5.1   | 4.9 | 5.1 | 5.4 | 5.5 | 5.4 | 5.5 | 5.4 | 5.4 | 5.0 | 5.0 | 5.0 |
| 70%                                 | 5.1   | 4.9 | 5.0 | 5.3 | 5.4 | 5.3 | 5.4 | 5.3 | 5.4 | 5.0 | 5.0 | 5.0 |
| 80%                                 | 5.1   | 4.8 | 4.9 | 5.3 | 5.3 | 5.2 | 5.3 | 5.3 | 5.3 | 4.9 | 4.9 | 4.9 |
| 90%                                 | 5.0   | 4.7 | 4.8 | 5.1 | 5.1 | 5.0 | 5.3 | 5.2 | 5.2 | 4.8 | 4.8 | 4.9 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 5.2   | 5.1 | 5.3 | 5.7 | 5.9 | 5.7 | 5.7 | 5.6 | 5.7 | 5.3 | 5.2 | 5.2 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 5.2   | 5.1 | 5.7 | 6.4 | 6.6 | 6.5 | 6.2 | 5.9 | 6.2 | 5.7 | 5.4 | 5.3 |
| Above Normal (11%)                  | 5.3   | 5.1 | 5.2 | 5.9 | 6.2 | 5.8 | 5.6 | 5.4 | 5.7 | 5.2 | 5.0 | 5.0 |
| Below Normal (21%)                  | 5.2   | 5.0 | 5.2 | 5.5 | 5.6 | 5.5 | 5.7 | 5.6 | 5.5 | 5.0 | 4.9 | 4.9 |
| Dry (22%)                           | 5.1   | 4.9 | 5.1 | 5.3 | 5.3 | 5.2 | 5.4 | 5.4 | 5.3 | 4.9 | 5.1 | 5.1 |
| Critical (16%)                      | 5.3   | 5.2 | 5.3 | 5.4 | 5.4 | 5.2 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Maximum Elevation (FEET) |     |     |     |     |     |      |      |     |     |      |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|------|------|-----|-----|------|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr  | May  | Jun | Jul | Aug  | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |      |      |     |     |      |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | -0.1 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |      |      |     |     |      |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |      |      |     |     |      |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | -0.1 | 0.0 | 0.0 | 0.0  | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0  | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)

**Table 4B-5-12a. Old River at Tracy Blvd, Monthly Averaged Daily Minimum Elevation**

**Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 4.4   | 4.1 | 2.8 | 3.5 | 4.1 | 4.3 | 4.1 | 3.9 | 5.6 | 4.9 | 4.8 | 4.5 |
| 20%                                 | 4.3   | 4.0 | 2.6 | 3.0 | 3.5 | 3.3 | 3.3 | 3.3 | 4.7 | 4.3 | 4.2 | 4.1 |
| 30%                                 | 4.2   | 3.9 | 2.4 | 2.7 | 3.2 | 3.1 | 3.1 | 3.1 | 4.4 | 4.0 | 4.0 | 4.0 |
| 40%                                 | 4.1   | 3.9 | 2.3 | 2.5 | 2.9 | 2.8 | 2.8 | 2.9 | 4.2 | 3.9 | 3.9 | 3.9 |
| 50%                                 | 4.0   | 3.8 | 2.2 | 2.4 | 2.6 | 2.5 | 2.7 | 2.8 | 4.1 | 3.9 | 3.9 | 3.9 |
| 60%                                 | 3.9   | 3.8 | 2.1 | 2.3 | 2.5 | 2.4 | 2.5 | 2.7 | 4.0 | 3.8 | 3.9 | 3.8 |
| 70%                                 | 3.9   | 3.7 | 2.1 | 2.3 | 2.4 | 2.4 | 2.4 | 2.6 | 4.0 | 3.8 | 3.8 | 3.8 |
| 80%                                 | 3.8   | 3.7 | 2.0 | 2.2 | 2.3 | 2.3 | 2.4 | 2.6 | 3.9 | 3.7 | 3.8 | 3.8 |
| 90%                                 | 3.8   | 3.7 | 1.9 | 2.1 | 2.2 | 2.2 | 2.3 | 2.5 | 3.9 | 3.7 | 3.7 | 3.8 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 4.1   | 3.9 | 2.4 | 2.7 | 3.1 | 3.0 | 3.0 | 3.0 | 4.4 | 4.1 | 4.0 | 4.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 4.1   | 4.0 | 2.8 | 3.5 | 4.1 | 4.0 | 3.9 | 3.7 | 5.0 | 4.6 | 4.5 | 4.2 |
| Above Normal (11%)                  | 4.1   | 3.9 | 2.3 | 2.8 | 3.3 | 3.1 | 2.9 | 3.0 | 4.6 | 4.1 | 4.0 | 3.9 |
| Below Normal (21%)                  | 4.1   | 3.9 | 2.2 | 2.4 | 2.7 | 2.6 | 2.8 | 3.0 | 4.2 | 3.9 | 3.9 | 3.8 |
| Dry (22%)                           | 4.0   | 3.8 | 2.1 | 2.2 | 2.4 | 2.3 | 2.4 | 2.6 | 3.9 | 3.7 | 3.8 | 3.8 |
| Critical (16%)                      | 3.9   | 3.7 | 2.2 | 2.3 | 2.4 | 2.3 | 2.3 | 2.6 | 3.9 | 3.8 | 3.8 | 3.8 |

**Proposed Project 021624**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |     |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |     |     |     |     |     |
| 10%                                 | 4.4   | 4.1 | 2.8 | 3.5 | 4.1 | 4.3 | 4.1 | 3.9 | 5.6 | 4.9 | 4.8 | 4.4 |
| 20%                                 | 4.3   | 4.0 | 2.6 | 3.0 | 3.5 | 3.3 | 3.4 | 3.2 | 4.7 | 4.2 | 4.1 | 4.0 |
| 30%                                 | 4.2   | 3.9 | 2.4 | 2.7 | 3.2 | 3.1 | 3.1 | 3.1 | 4.4 | 4.0 | 4.0 | 4.0 |
| 40%                                 | 4.1   | 3.9 | 2.3 | 2.5 | 2.9 | 2.8 | 2.8 | 2.9 | 4.2 | 3.9 | 3.9 | 3.9 |
| 50%                                 | 4.0   | 3.8 | 2.2 | 2.4 | 2.7 | 2.5 | 2.7 | 2.7 | 4.1 | 3.9 | 3.9 | 3.9 |
| 60%                                 | 3.9   | 3.8 | 2.1 | 2.3 | 2.6 | 2.5 | 2.5 | 2.7 | 4.0 | 3.8 | 3.9 | 3.8 |
| 70%                                 | 3.9   | 3.7 | 2.1 | 2.3 | 2.4 | 2.4 | 2.4 | 2.6 | 4.0 | 3.8 | 3.8 | 3.8 |
| 80%                                 | 3.8   | 3.7 | 2.0 | 2.2 | 2.3 | 2.3 | 2.4 | 2.6 | 3.9 | 3.7 | 3.8 | 3.8 |
| 90%                                 | 3.8   | 3.7 | 1.9 | 2.1 | 2.2 | 2.2 | 2.3 | 2.5 | 3.9 | 3.7 | 3.7 | 3.7 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |     |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 4.1   | 3.9 | 2.4 | 2.7 | 3.1 | 3.0 | 3.0 | 3.0 | 4.4 | 4.1 | 4.0 | 4.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |     |     |     |     |     |
| Wet (30%)                           | 4.1   | 4.0 | 2.8 | 3.5 | 4.1 | 4.0 | 3.9 | 3.7 | 5.0 | 4.6 | 4.5 | 4.2 |
| Above Normal (11%)                  | 4.0   | 3.9 | 2.2 | 2.8 | 3.3 | 3.1 | 2.9 | 2.9 | 4.6 | 4.1 | 4.0 | 3.9 |
| Below Normal (21%)                  | 4.1   | 3.9 | 2.2 | 2.5 | 2.8 | 2.7 | 2.8 | 2.9 | 4.3 | 3.9 | 3.9 | 3.8 |
| Dry (22%)                           | 4.0   | 3.8 | 2.1 | 2.2 | 2.4 | 2.4 | 2.4 | 2.6 | 3.9 | 3.7 | 3.8 | 3.8 |
| Critical (16%)                      | 3.9   | 3.8 | 2.2 | 2.3 | 2.4 | 2.3 | 2.3 | 2.6 | 3.9 | 3.8 | 3.8 | 3.8 |

**Proposed Project 021624 minus Baseline Conditions 072623**

| Statistic                           | Monthly Averaged Daily Minimum Elevation (FEET) |     |     |     |     |     |     |      |     |     |     |     |
|-------------------------------------|---|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
|                                     | Oct   | Nov | Dec | Jan | Feb | Mar | Apr | May  | Jun | Jul | Aug | Sep |
| <b>Probability of Exceedance</b>    |   |     |     |     |     |     |     |      |     |     |     |     |
| 10%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 20%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 30%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 60%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 70%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 80%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 90%                                 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Long Term</b>                    |   |     |     |     |     |     |     |      |     |     |     |     |
| Full Simulation Period <sup>a</sup> | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| <b>Water Year Types<sup>b</sup></b> |   |     |     |     |     |     |     |      |     |     |     |     |
| Wet (30%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| Above Normal (11%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| Below Normal (21%)                  | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| Dry (22%)                           | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| Critical (16%)                      | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |

a Based on the 100-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

c The Elevations are based on North American Vertical Datum of 1988 (NAVD 88)