Table SW.-51.55

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Alterative B | ${ }^{\text {Absolute }}$ |  |
| Proababily | Monthly Diversion |  | Difference | Difference (\%) |
| (\%) 0 \% | ${ }_{1}$ (CFF) | ${ }_{150}$ | ${ }^{74}$ | 4.7\% |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - $16.0 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| ${ }^{23.5 \%}$ | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 第37.0\% | 0 | 0 | 0 |  |
| 38.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 |  |  |
| ${ }^{43.4 \%}$ | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 |  |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 53.1.9\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| ${ }^{60.5 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 |  |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }^{65.4 \%}$ | 0 | 0 | 0 |  |
| ${ }^{66.9 \%}$ | 0 | 0 |  |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.2\%\% |  | 0 |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 77.8\% |  | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| ${ }^{82.7 \%}$ |  | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| ${ }^{86.7 \%}$ | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


|  | Juy |  |  | Probablit | August |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent | No Action Altemative | Alterative B | Absolute |  | ${ }_{\text {Percent }}^{\text {Peredane }}$ | No Action Alterative | Alterative B | Absolute | Relativ |
| Probabaility | Monthly Diversion (CFS) | Monthly Diversion (CFS) | $\begin{aligned} & \text { Difference } \\ & \text { (CFSS) } \end{aligned}$ | Difference (\%) | Probability | Monthly Diversion (CFS) | Monthy (Tiversion (CFs) | (ifferens | Difference (\%) |
| 0.0\% | 0 |  | 0 |  | 0.0\% | 0 | 0 | 0 |  |
| 1.2\% | 0 | 0 | 0 |  | 1.2\% | 0 | 0 |  |  |
| 2.5\% | 0 | 0 | 0 |  | 2.5\% | 0 | 0 | 0 |  |
| 3.79\% | 0 | 0 | 0 |  | 3.7.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  | 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  | 8.6\% | 0 | 0 | 0 |  |
| - $1.9 .1 \%$ | 0 | 0 | $\bigcirc$ |  | 11.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  | 123\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | - | 0 |  | 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  | 14.8\% | 0 | 0 | 0 |  |
| ${ }^{16.0 \%}$ | 0 | 0 | 0 |  | - $16.0 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% |  | 0 | 0 |  |
| ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  | ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  | 22.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | O | 0 |  | 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  | - $2.5 .9 \%$ | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 |  | 0 |  | 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  | 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  | 32.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | O | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  | 35.8\% | 0 | 0 | 0 |  |
|  | 0 |  |  |  |  | 0 | 0 | 0 |  |
| 38.5\% | 0 | 0 | 0 |  | 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| 42.3\% | 0 | 0 | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  | 44.4\% |  | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  | 45.7\% |  | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  | 46.9\% | 0 | 0 | 0 |  |
| 48.1\% 4 \% | 0 | 0 | 0 |  | 48.1\% 4.4 | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  | 53.1\% | 0 | 0 | 0 |  |
| $54.3 \%$ $55.6 \%$ | 0 | 0 | 0 |  | 54.3\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 55.8\% |  | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  | 61.7\% |  | 0 | 0 |  |
| 6.3.\% | 0 | 0 | 0 |  | 63.0\% | O | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  | ${ }_{6.7}^{6.7 \%}$ | 0 | 0 | 0 |  |
| 679\% | 0 | 0 | 0 |  | 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  | 69.1\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | O | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| 728\% | 0 | 0 | 0 |  | 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  | ${ }^{75.3 \%}$ | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  | 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 |  | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  | 80.2\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  | 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | O | 0 |  | 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  | 855.2\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 |  |  | 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  | 90.1\% | 0 | 0 | 0 |  |
| ${ }_{\text {92.6\% }} 9$ | 0 | 0 | 0 |  | 91.4\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  | 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | O | 0 |  | 95.1\% | O | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  | 96.7.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  | 98.8\% | 0 | 0 | 0 |  |


| $\begin{gathered} \text { Percent } \\ \hline \text { Exceedance } \\ \text { Probability } \end{gathered}$ | September |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altermative | Alterative B |  | Relative |
|  | Monthly Piversion | Monthly Diversion |  | Difference (\%) |
| 0.0\% | (CFS) | (CFF) | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 9.9\%\% | 0 | $\bigcirc$ | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8 | 0 | 0 | 0 |  |
| - ${ }^{16.0 \%}$ 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
| ${ }^{22.2 .5 \%}$ | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4.9\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 30.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| -43.2\% | 0 | 0 | 0 |  |
| ${ }^{44.4 \%}$ | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 年 $51.9 \%$ | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }^{65.4 \%}$ | 0 | 0 | 0 |  |
| 667.9\% | ${ }_{0}^{0}$ | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| - $72.8 \%$ | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| ${ }^{82} 8.7 \%$ | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 90.1\% |  | 0 |  |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.8 \%}$ | 0 | 0 | 0 |  |
| ${ }^{956.1 \%}$ | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


| Long-term Average and Average by Water Year Type |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulation Period ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Alemative | 8 | 147 | 1010 | 2248 | 3231 | 2125 | 897 | 89 | 45 | 0 | 0 | 0 |
| Alemative B | 11 | 138 | 984 | 2195 | 3068 | 1896 | 814 | 71 | 44 | 0 | 0 | 0 |
| Diffeence | 3 | -10 | -27 | -52 | -163 | -228 | -83 | -18 | -1 | 0 | 0 | 0 |
| Perenen Difference? |  | -6.6\% | -2.6\% | -2.3\% | -5.0\% | -10.8\% | -9.3\% | -20.4\% |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet (32\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alterative | 0 | 98 | 1109 | 5277 | 7193 | 4834 | 2396 | 169 | 143 | 0 | 0 | 0 |
| Allemative B | 0 | 95 | 1071 | 5885 | 7019 | 4481 | 2190 | 144 | 140 | 0 | 0 | 0 |
| Diffeene | 0 | ${ }^{-3}$ | -38 | 8 | -174 | -353 | -206 | -26 | ${ }^{-3}$ | 0 | 0 | 0 |
| Perener Difieence |  |  | -3.4\% | 0.2\% | -2.4\% | -7.3\% | -8.6\% |  |  |  |  |  |
| Above Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 511 | 1096 | 2726 | 3647 | 3200 | 767 | 241 | 0 | 0 | 0 | 0 |
| Alemative B | 2 | 464 | 987 | 2514 | 3370 | 2818 | 689 | 172 | 0 | 0 | 0 | 0 |
| Diffeeree | 2 | -47 | -109 | -212 | -278 | -382 | -78 | -69 | 0 | 0 | 0 | 0 |
| Perenen Diffeence |  | -9.2\% | -9.9\% | -7.8\% | -7.6\% | -11.9\% | -10.2\% | -28.5\% |  |  |  |  |
| Below Normal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 49 | 101 | 1231 | 613 | 1293 | 265 | 147 | 0 | 0 | 0 | 0 | 0 |
| Allemative B | 64 | 103 | 1281 | 586 | 1081 | 118 | 107 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 15 | 2 | 50 | -27 | -212 | -146 | -40 | 0 | 0 | 0 | 0 | 0 |
| Perent Diffeence | 30.8\% | 2.0\% | 4.1\% | -4.4\% | -16.4\% | -55.3\% | -27.0\% |  |  |  |  |  |
| Dry (22\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenalive | 0 | 110 | 1255 | 278 | 823 | 356 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemaive B | 0 | 100 | 1226 | 202 | 688 | 195 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | -10 | -29 | . 77 | -135 | -160 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen Differene |  | -8.7\% | -2.3\% | -27.5\% | -16.4\% | -45.1\% |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 0 | 86 | 67 | 101 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Allemative B | 0 | 0 | 81 | 49 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | -5 | -17 | -9 | - 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen Difteence |  |  | -6.3\% | -25.9\% | -8.5\% | -100.0\% |  |  |  |  |  |  |

Based on the 82 2year simulation neriod

3 Realive diffeence of the monthy yverage


Figure SW-52-5b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion


Tisdale Weir Spills into sutuer Bypass, Monthly Diversion

|  | October |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altermative B | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
|  | Monthly $\begin{gathered}\text { (liversision } \\ \text { (CFs) }\end{gathered}$ | Monthly Diversion |  |  |
| 0.0\% | ${ }_{6} 685$ | ${ }_{8} 896$ |  | 30.8\% |
| 1.2\% | 0 | 21 |  |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\%\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 |  | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% $13.6 \%$ | 0 | 0 | 0 |  |
| - $11.8 .8 \%$ | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  |
| + ${ }^{\text {17.3\% }}$ 17.5\% | 0 | 0 | 0 |  |
| 18.5\% ${ }^{19.8}$ | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| 22.5\%\% | 0 | 0 | 0 |  |
| 224.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 20.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 |  |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 |  |  |
| 33.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\%\% | 0 | 0 |  |  |
| 44.4\% | 0 | 0 | 0 |  |
| 4.7\%\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 |  |  |
| 49.4\% | 0 | 0 | 0 |  |
| 55.9\% | 0 | 0 | 0 |  |
| 55.1\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 558.0\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| ${ }^{6.50 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| 㐌.4\%\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 772.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 |  |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\%\% | 0 | 0 | 0 |  |
| 82.7\% |  |  |  |  |
| 84.0\% | 0 | 0 | 0 |  |
| 88.4\% | 0 | 0 | 0 |  |
| 87.7\% |  |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  |
| 92.6\% |  |  | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| ${ }_{9}^{95.19 \%}$ | 0 | 0 | 0 |  |
| 96.3\% | $\bigcirc$ | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


| $\begin{gathered} \text { Percent } \\ \hline \begin{array}{c} \text { Exeedance } \\ \text { Probabability } \end{array} \\ \hline \end{gathered}$ | January |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altermative | Alterative B | Difference (CFS) | RelativeDifference (\%) |
|  | Monthy Diversion | Monthy Diversion |  |  |
| (\%) | ${ }_{\text {(CFSS }}$ | (CFS) |  | 2.0\% |
|  |  | 15554 | 298 | 2.0\% |
| 1.2\% | 14749 | 15106 | 357 |  |
| 2.5\% | 11425 | 11391 | ${ }^{34}$ | 0.3\% |
| 3.7\% | 11244 | 11250 | 6 |  |
| 4.9\% | 10953 | 11092 | 139 | 1.3\% |
| ${ }^{6.2 \%}$ | ${ }^{10456}$ | 10328 | -128 | -1.2\% |
| 7.4\% | 10022 | 10067 | 45 | 0.4\% |
| 8.6\% | 9259 | 9055 | 204 |  |
| 9.9\% | 9014 | 848 | -527 | -5.9\% |
| 11.1\% | 6571 | 7405 | 834 | 12.7\% |
| 12.3\% | 6512 | 6838 | 327 | 5.0\% |
| 13.6\% | 6193 | 5932 | 260 | -4.2\% |
| 14.8\% | 6139 | 5895 | -245 | -4.0\% |
| 16.70\% | 5743 | 5350 | -394 | -6.9\% |
| 17.3\% | 5398 | 4659 | -738 | -13.7\% |
| 18.5\% | 4727 | 4302 | 425 | -9.0\% |
| 19.8\% | 4232 | 3981 | 251 | -5.9\% |
| 21.0\% | 3952 | 3877 | -135 | -3.4\% |
| 22.2\% | 3881 | ${ }^{3738}$ | -143 | -3.7\% |
| 23.5\% | 3723 | 3288 | -434 | -11.7\% |
| 24.7\% | 3397 | 3006 | -391 | -11.5\% |
| 25.9\% | 3236 | ${ }_{2637}^{2637}$ | -598 | -18.5\% |
| 27.2\% | ${ }^{2265}$ | ${ }^{2127}$ | -139 | 6.1\% |
| 28.4\% | ${ }^{2209}$ | 2092 | -17 | -5.3\% |
| 29.6\% | 2125 | ${ }^{2068}$ | -57 | -2.7\% |
| 30.9\% | 2108 | 1897 | 211 | -10.0\% |
| 32.1\% | 1700 | 1607 | -93 | -5.5\% |
| 33.3\% | 1161 | 1130 | -30 | -2.6\% |
| 34.6\% | 1085 | 1007 | -79 | -7.2\% |
| 35.8\% | 1066 | ${ }^{956}$ | 110 | -10.3\% |
| 37.0\% | 977 | ${ }^{932}$ | -46 | -4.7\% |
| 38.3.5\% | 836 | ${ }_{727} 7$ | -84 | -10.1\% |
| 40.7\% | ${ }_{482}$ | ${ }_{414}$ | -97 | -14.0\% |
| 42.0\% | 451 | 333 | -118 | 26.1\% |
| 43.2\% | 319 | 260 | -59 | -18.5\% |
| 44.4\% | 174 | 148 | -26 | -15.1\% |
| 45.7\% | ${ }^{103}$ | 141 | 39 |  |
| 46.9\% | 98 | 91 | -7 |  |
| 48.4\% | ${ }_{95}^{96}$ | ${ }_{5}^{53}$ | ${ }^{-4}$ |  |
| 50.6\% | ${ }_{42}^{55}$ | 47 30 | -8 |  |
| 51.9\% | 35 | 14 | 20 |  |
| 53.1\% | ${ }^{12}$ | 4 | 7 |  |
| 54.3\% | 2 | 0 | 2 |  |
| 55.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| -63.0\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.1.4\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.7.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% |  |  |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| $82.7 \%$ $840 \%$ | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.4\% | 0 | 0 | 0 |  |
| 87.7\% |  |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  |
| 99.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| ${ }^{98.8 \%}$ | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



|  | ebruary |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemativ | Alterative B |  |  |
| Probability | Monthly Divesision | Monthly Diversion | Difference |  |
| (\%) | (CFSS) | (CFS) | , 12 |  |
|  |  | 4 | 2 | -0.6\% |
| 1.2\% | 18159 | 17957 | 202 |  |
| 2.5\% | 15350 | 15597 | 247 | 16\% |
| 3.7\% |  | 12980 |  |  |
| 4.9\% | 11640 | 11753 | 113 |  |
| 6.2\% | 10925 | 11732 | 807 | 7.4\% |
| 7.4\% | 10864 | 10786 | .78 | 7\% |
| 8.6\% | 10452 | 10197 | 255 | 2.4\% |
| 9.9\% | 10203 | 9254 | 949 | 9.3\% |
| 11.1\% | 9890 | 9244 | 646 | 5\% |
| ${ }^{12.3 \%}$ | 8871 | 8999 | 127 | 1.4\% |
| $13.6 \%$ $14.8 \%$ | ${ }^{8858}$ | ${ }^{8531}$ | 326 | 3.7\%\% |
| 16.9\% | 6949 | ${ }_{6788}^{7782}$ | - 57 <br> 181 <br> 181 | -0.6\% |
| 17.3\% | 6880 | 6239 | 641 | -9.3\% |
| 18.5\% | 6738 | 6053 | 685 | 10.2\% |
| 19.8\% | 6425 | 5804 |  |  |
| ${ }^{21.0 \%}$ | 6243 | 5670 | 573 | 9.2\% |
| 23.5\% | ${ }_{5332}$ | 5193 | -139 | 26\% |
| 24.7\% | 5325 | 5081 | -243 | -4.6\% |
| 25.9\% | 4823 | 4983 | 160 | 3.3\% |
|  | 4221 | 4553 | 331 | 7.9\% |
| - ${ }^{28.49 \%}$ | 4202 | 3769 | 433 | -10.3\% |
| 30.9\% | ${ }_{3976}$ | 3722 <br> 2859 | .442 .118 | - $\begin{aligned} & \text {-10.6\% } \\ & .28 .1 \%\end{aligned}$ |
| 32.1\% | 3709 | 2802 | -906 | -24.4\% |
| 33.3\% | ${ }^{3409}$ | 2658 | . 751 | 22.0\% |
| 34.6\% | 3214 | 2444 | 769 | 23.9\% |
| 35.7\% | 3121 | 2443 | 679 | -21.7\% |
| $37.0 \%$ $383 \%$ | 2867 | ${ }^{2413}$ | 454 | -15.8\% |
| 38.3\% | 2787 | 2230 | -557 | -20.0\% |
| ${ }^{39.7 \%}$ | 2531 2503 | 2124 2117 | - ${ }_{-387}$ | - |
| 42.0\% | 2452 | 2042 | -410 | -16.7\% |
| 43.2\% | ${ }^{2444}$ | 2028 | -416 | -17.0\% |
| 44.4\% | 1429 | 1415 | -14 | 1.0\% |
| 45.7\% | 1202 | 1089 | 113 | 9.4\% |
| -46.9\% | 1153 | 1084 | -70 | 6.1\% |
| 48.19\% | 1064 | 963 | 101 | 9.5\% |
| 50.6\% | 866 | 880 | 13 | 1.6\% |
| 51.9\% | 776 | 750 | -26 | -3.4\% |
| 年53.19\% | ${ }^{754}$ | 646 | -108 | -14.3\% |
| 54.3\% | 382 <br> 274 <br>  | 401 | 19 |  |
| 56.8\% | 149 | 149 | 0 |  |
| 58.0\% | ${ }^{137}$ | ${ }^{131}$ | -6 |  |
| 59.3\% | ${ }^{131}$ | 59 | -72 |  |
| 60.5\% | ${ }^{53}$ | ${ }^{48}$ | 5 |  |
| 6.3.0\% | 31 21 | 36 | - 13 |  |
| 64.2\% | 1 | 0 | ${ }_{-1}$ |  |
| ${ }^{65.4 \%}$ | 0 | 0 | 0 |  |
| 66.7\% $679 \%$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 |  |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 828.7\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 |  |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 |  |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



Tisdale Weir Spills into Sutter Byans, Monthly Diversion

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Alterative B | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthly Diversion | Monthly Piversion | dififencee (cFs) | Difference (\%) |
| (\%) | ${ }^{\text {(CFFS }}$ ) | ${ }^{\text {(CFFS) }}$ 359] |  |  |
| 12\% |  |  | -34 | ${ }^{-0.9 \%}$ |
| 2.5\% | 9 | ${ }_{0}^{48}$ | ${ }_{0}$ |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 8.6\% |  | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| - $11.12 \%$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - 16.0 17.0\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{\text {22, }}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| ${ }^{25.7 .2 \%}$ | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 37.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 |  |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% 44.4 | 0 | 0 | 0 |  |
| 44.4\%\% | 0 | 0 |  |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 |  |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% $54.3 \%$ | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 6.1.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | $\bigcirc$ | 0 |  |  |
| ${ }_{66.7 \%}$ | 0 | 0 | 0 |  |
| -67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 |  |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 |  |  |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 80.2\% | 0 |  | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| -84.0\% | 0 | 0 | 0 |  |
| ${ }_{86.4 \%}$ | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.19\% | 0 | 0 | 0 |  |
| 9.2.\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 997.5\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



## Alternative C Compared to No Action Alternative

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Figure SW-49-7b
Ord Ferry Spills into Sutter Bypass, Monthly Diversion


|  | Ocrober |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative C | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
| Probability | Monthly P Diversion | Monthly Diversion |  |  |
| - ${ }^{(\% .0 \%}$ | (CF5) | 0 | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\%\% $4.9 \%$ | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% ${ }^{\text {9.9\% }}$ | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% $13.6 \%$ | 0 | 0 | 0 |  |
| $13.6 \%$ $14.8 \%$ | 0 | 0 | 0 |  |
| 11.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 234.7\% | 0 | 0 | 0 |  |
| 2.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 334.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 339.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 |  |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 48.9\% | 0 | 0 |  |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 55.9\%\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\%\% | 0 | 0 |  |  |
| 559.3\% | 0 | 0 | 0 |  |
| ${ }_{6}^{60.5 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 771.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| ${ }^{75.3 \% \%}$ | 0 | 0 | 0 |  |
| 77.8\% |  | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 82.7\% |  | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| ${ }^{86.4 \%}$ | 0 | 0 | 0 |  |
| 888.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| ${ }^{953.1 \%}$ | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% |  | 0 | 0 |  |
| $\begin{array}{r}98.8 \% \\ 100.0 \% \\ \hline\end{array}$ | 0 | 0.0 | 0.0 |  |

## Table Sw-49.7b

Ord Ferry Sills into Sutter Bypass, Monthly Diversion

|  | November |  |  | Probal | December |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No Action Alternative | Alterative C | Absolute |  | Percent | No Action Alternative | Alterative C |  | Relative |
| Probability | Monthly Diversion | Monthly Diversion | Difference (CFS) | Difference (\%) | Probability | Monthly Diversion | Monthly Viversion | Difference (CFS) | Difference (\%) |
| (\%) 0 | (CFFS) | (CFFS) | 0 |  | (\%) | ${ }_{1}^{\text {(CFFS) }} 1659$ | ${ }_{\text {(1FS) }}{ }_{154}$ | . 155 | -9.4\% |
| 1.2\% | 0 | 0 | 0 |  | 1.2\% | 1365 | 1081 |  |  |
| 2.5\% | 0 | 0 | 0 |  | 2.5\% | 907 | ${ }_{722}^{1025}$ | 118 | ${ }^{13.0 \%}$ |
| 3.79\% | 0 | 0 | 0 |  | 3.79\% | 617 377 | 722 287 | 106 -91 | ${ }_{-24.0 \%}^{17.10 \%}$ |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | ${ }^{150}$ | ${ }^{218}$ | 980 |  |
| 7\% | 0 | 0 | 0 |  | 7.4\% | 70 |  |  |  |
| 8.6\% | 0 | 0 | 0 |  | 8.6\% | 6 | 160 | 153 |  |
| 9.9\% | 0 | 0 | 0 |  | 9.9.9\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  | 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  | 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  | 14.8\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  | 16.0\% | 0 | 0 | 0 |  |
| ${ }^{17.35 \%}$ | 0 | 0 | 0 |  | 17.3\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  | 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.2 .5 \%}$ | 0 | 0 | 0 |  | 22.2\%\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  | 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  | 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  | 27.2\% | 0 | 0 | 0 |  |
| ${ }^{28.49 \%}$ | 0 | 0 | 0 |  | 229.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  | 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  | 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 年3.8.8\% | 0 | 0 | 0 |  | 35.8. 3 \% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  | 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  | 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | O | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| ${ }^{42.0 \%}$ | 0 | 0 | 0 |  |  | 0 | 0 | 0 |  |
| ${ }^{43.4 \%}$ | 0 | 0 | 0 |  | 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | O | 0 | 0 |  | 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  | 46.9\% | 0 | 0 | 0 |  |
| 48.1\% 4.4 | 0 | 0 | 0 |  | 48.1\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% |  | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 年53.1\% | 0 | 0 | 0 |  | $53.1 \%$ $54.3 \%$ | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  | 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 59.5\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| 617\% | 0 | 0 | 0 |  | 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  | 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |  | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  | 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  | 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 |  |  | 70.4\% | 0 | 0 | 0 |  |
| $71.6 \%$ $72.8 \%$ | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | O | 0 |  |  | 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  | 76.5\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  | 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  | 81.5\% | 0 | 0 | 0 |  |
| - | 0 | 0 | 0 |  | 82.7\%\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  | 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  | 86.4\% | 0 | 0 | 0 |  |
| 877\%\% | 0 | 0 | 0 |  | 87.7\% | 0 | 0 | 0 |  |
| ( | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  | 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  | 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.8 \%} 9$ | 0 | 0 | 0 |  | ${ }^{93.8 \%}$ | 0 | 0 | 0 |  |
| ${ }_{96.3 \%}$ | 0 | 0 | 0 |  | ${ }_{96.3 \%}^{95.3 \%}$ | 0 | 0 | 0 |  |
| 97.5\% |  | 0 | 0 |  | 97.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  | 98.8\% | 0 | 0 | 0 |  |



## Table SW--99.7

| Percent | No Action Alterative | Atemative C |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Monthy Pivesion | Monthy Pivesion | come | Diffeeneece(o) |
| ${ }^{\text {cosem }}$ | ${ }_{\substack{\text { [CFS5 } \\ 12366}}$ | ${ }_{\text {lita }}^{1234}$ |  |  |
| ${ }^{1.2 \%}$ |  |  | ${ }_{140}$ | ${ }_{2}^{1.1 \%}$ |
| 25\% | 5993 | 4953 | ${ }_{541}$ | 9.9\% |
| - | ${ }_{2095}^{2709}$ | $\underset{1922}{2715}$ | $\stackrel{6}{173}$ | ${ }_{\text {O }}^{0.3 \%}$ |
| ${ }^{6.2 \%}$ | ${ }_{1202}^{1642}$ | ${ }_{\substack{1288 \\ 1266}}$ | ${ }^{374}$ | 22.8\% |
| \% ${ }_{8.9 \% \%}$ | ${ }_{\text {l }}^{1220}$ | ${ }_{8}^{1265}$ |  |  |
| 9.9\%\% | ${ }^{888}$ | 665 | 24 |  |
| ${ }^{112.36 \%}$ | ${ }_{391}^{763}$ | ${ }_{293}^{439}$ | - |  |
| 边 | ${ }_{120}^{120}$ | ${ }_{77}$ | 9 |  |
| ${ }^{14.4 .0 \%}$ |  | ${ }_{36}^{75}$ | ${ }_{14}^{12}$ | $\underset{\substack{\text { aram } \\ \text { 27.4\% }}}{ }$ |
| ${ }^{178.75 \%}$ | ${ }_{4}^{50}$ | ${ }_{31}^{36}$ | ${ }^{14}$ | 20, |
|  | $\bigcirc$ | $\bigcirc$ | \% |  |
|  | : | : | : |  |
|  | $\bigcirc$ | O |  |  |
|  | : | : | : |  |
|  | 0 | : | : |  |
| ${ }_{\text {coin }}^{\text {20.6\% }}$ | $\bigcirc$ | 0 | : |  |
| $\underbrace{}_{\substack{30.9 \% \% \\ 32.1 \%}}$ | $\bigcirc$ | : | : |  |
|  | 0 | : | : |  |
|  | 0 | : | : |  |
| ${ }_{\text {3 }}^{\text {3.3\% }}$ | 0 | : | : |  |
|  | : | : | : |  |
|  | : | : | : |  |
|  | : | : | : |  |
| $\underset{\substack{46.9 \% \% \\ 48.10 \%}}{ }$ | : | : | : |  |
| $\xrightarrow{4.9 .9 \%}$ | : | : | : |  |
| 50.9\% | $\bigcirc$ | : | : |  |
| ${ }_{\substack{53.10 \% \\ 54.3 \%}}^{\text {cem }}$ | : | : | : |  |
| ${ }^{556 \%}$ | : | : | : |  |
|  | 0 | : | : |  |
|  | 0 | : | : |  |
| $\xrightarrow{6.30 \%}$ | 0 | : | : |  |
| ${ }^{\text {cientio }}$ | 0 | : | : |  |
|  | : | : | : |  |
| $\xrightarrow{\text { cidem }}$ | ! | : |  |  |
|  | : | : | : |  |
|  | : | : | : |  |
|  | : | : | : |  |
|  | : | ! | : |  |
|  | $\bigcirc$ | : | : |  |
| (intiom | $\bigcirc$ | : | : |  |
| ${ }_{\text {c }}^{858 \%}$ | : | : | : |  |
| - | : | : | : |  |
|  | : | : | : |  |
| - | : | : | : |  |
|  | 0 |  | 0 |  |
|  | : | : | : |  |
| 98.8\% 100.0\% | 0 | 0.0 | 0 |  |



## Table SW-49.-7b

| Percent | June |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altemative C | Absolute |  |
| $\begin{aligned} & \text { Probability } \\ & \text { (\%) } \end{aligned}$ | Monthly Diversion (CFS) | Monthly Diversion (CFs) Sol | Difference |  |
| 0.0\% | 0 | 0 | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% | 0 | 0 | 0 |  |
| ${ }^{\text {919.1. }} 1$ | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - $17.0 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{\text {22, }}^{21.2 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.9\% | 0 | 0 | 0 |  |
| ${ }^{30.9 \%}$ | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% 3 \% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 420.0\% | 0 | 0 | 0 |  |
| $43.2 \%$ $44.4 \%$ | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 48.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 551.9\% | 0 | 0 | - |  |
| 55.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | O |  |
| 60.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| $64.2 \%$ $65.4 \%$ | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| ${ }_{6}^{67.9 \%}$ | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 77.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| $74.1 \%$ $753 \%$ | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 89.0\% | 0 | 0 | 0 |  |
| 88.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 885.2\% | 0 | 0 |  |  |
| 88.4\% | 0 | 0 | 0 |  |
| 877\% | 0 | 0 | 0 |  |
| 90.1\% | 0 |  |  |  |
| 99.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 995.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| $\begin{array}{r}\text { 98.8\% } \\ \text { 100.0\% } \\ \hline\end{array}$ | 0.0 | 0.0 | 0.0 |  |


| $\begin{gathered} \text { Percent } \\ \begin{array}{c} \text { Exceedance } \\ \text { Probability } \end{array} \end{gathered}$ | July |  |  |  | August |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No Action Alterative | Alterative C | Absolute |  | Percent | No Action Aternative | Alterative C | Absolute | Relative |
|  | Monthy Diversion | Monthly $\mathbf{i}$ İersion | Difference (CFS) | Difference (\%) | Probability | Monthly Diversion | Monthly Diversion | Difference <br> (CFS) | Difference (\%) |
| (\%) | (CFS) | (CFFS) | 0 |  | ${ }^{(\% .0)}$ | (CFFS) | (CFS) | 0 |  |
| 1.2\% | 0 | 0 | O |  | 1.2\% | 0 | 0 | 0 |  |
| - | 0 | 0 | 0 |  | - | 0 | 0 | 0 |  |
| 3.9\% | 0 | 0 | 0 |  | 3.9\%\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  | 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  | 8.6\% | 0 | 0 | 0 |  |
| \% | 0 | 0 | 0 |  | 9.9\% | 0 | 0 | 0 |  |
| ${ }^{11.14 \%}$ | 0 | 0 | 0 |  | 11.1\% | 0 | 0 | 0 |  |
| \% | 0 | 0 | 0 |  | 12.3 | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  | - $13.6 \%$ \% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  | 16.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  | 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  | 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.25 \%}$ | 0 | 0 | 0 |  | 22.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  | 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  | 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  | 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| - 3 3.9.9\% | 0 | 0 | 0 |  | 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  | 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  | 35.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  | 37.3\% | $\bigcirc$ | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  | 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  | 43.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  | 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  | 46.9\% | 0 | 0 | 0 |  |
| ${ }^{48.19 \%}$ | 0 | 0 | 0 |  | ${ }^{48.1 \%}$ | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  | 55.1\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  | 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| 60.17\% | 0 | 0 | 0 |  | 66.7.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  | 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| ${ }_{65.4 \%}^{65.7}$ | 0 | 0 | 0 |  | ${ }_{6}^{65.7 \%}$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 |  |  | 67.9\% | 0 |  | 0 |  |
| 69.1\% | 0 | 0 | 0 |  | 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  | 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| 74.1\% |  | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  | 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  | 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  | 77.8.0\% | 0 | 0 | 0 |  |
| 80.2\% |  |  |  |  | 80.2\% |  |  |  |  |
| 81.5\% | 0 | 0 | 0 |  | 81.5\% | 0 | 0 | 0 |  |
| 827\%\% | 0 | 0 | 0 |  | 82.7\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  | 885.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  | 86.4\% | 0 | 0 | 0 |  |
| 877\%\% | 0 | 0 | 0 |  | 87.7\% | 0 | 0 | 0 |  |
| - ${ }^{88.1 \%}$ | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  | $91.4 \%$ | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  | 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.85 \%}$ | 0 | 0 | 0 |  | 995.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  | 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  | 97.5\% | 0 | 0 | 0 |  |
|  | 0 0 | 0 | 0 |  | 98.8\% $100.0 \%$ | 0 0.0 | 0.0 0.0 | 0 0.0 |  |



| Long-term Average and Average by Water Year Type |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulito Period' |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alterative | 0 | 0 | 59 | 283 | 467 | 240 | 32 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 0 | 0 | 65 | 269 | 448 | 222 | 31 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 7 | -14 | -19 | -18 | -1 | 0 | 0 | 0 | 0 | 0 |
| Percent Difteence |  |  | 11.2\% | -5.0\% | -4.0\% | -7.7\% | -3.1\% |  |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet $332^{*}$ ) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 0 | 42 | 829 | 1367 | 690 | 83 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 0 | 0 | 49 | 804 | 1324 | 649 | 83 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 8 | -25 | -43 | -41 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perent Difteence |  |  | 18.3\% | -3.0\% | -3.1\% | -6.0\% | 0.1\% |  |  |  |  |  |
| Above Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altemative | 0 | 0 | 7 | 139 | 229 | 147 | 38 | 0 | 0 | 0 | 0 | 0 |
| Alemative C | 0 | 1 | 20 | 96 | 188 | 111 | 31 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 1 | 13 | -44 | -40 | ${ }^{-37}$ | -7 | 0 | 0 | 0 | 0 | 0 |
| Pereent Diffeence |  |  |  | -31.3\% | -17.7\% | -24.9\% | -18.0\% |  |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 94 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemalive C | 0 | 0 | 87 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | -7 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen Differene |  |  | -7.9\% | 106.9\% |  |  |  |  |  |  |  |  |
| Dri( $22 \%$ |  |  |  |  |  |  |  |  |  |  |  |  |
| NoAction Altenalive | 0 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemalive C | 0 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent Diffeence |  |  | 12.3\% |  |  |  |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Nooction Altenative | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Differene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perener Diffeence |  |  |  |  |  |  |  |  |  |  |  |  |

1 18sese on the 82 2year simulation pericic
dele
3 Realive diffeence of the monthy yverage


Figure SW-50-7b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion


Table SW-50-7b
Moulton Weir Spills into situter fypass, Monthy Diversion

|  | Ocrober |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative C | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
| Probability | Monthly P Diversion | Monthly Diversion |  |  |
| - ${ }^{(\% .0 \%}$ | (CF5) | 0 | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\%\% $4.9 \%$ | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% ${ }^{\text {9.9\% }}$ | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% $13.6 \%$ | 0 | 0 | 0 |  |
| $13.6 \%$ $14.8 \%$ | 0 | 0 | 0 |  |
| 11.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 234.7\% | 0 | 0 | 0 |  |
| 2.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 334.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 339.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 |  |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 48.9\% | 0 | 0 |  |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 55.9\%\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\%\% | 0 | 0 |  |  |
| 559.3\% | 0 | 0 | 0 |  |
| ${ }_{6}^{60.5 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 771.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| ${ }^{75.3 \% \%}$ | 0 | 0 | 0 |  |
| 77.8\% |  | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 82.7\% |  | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| ${ }^{86.4 \%}$ | 0 | 0 | 0 |  |
| 888.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| ${ }^{953.1 \%}$ | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% |  | 0 | 0 |  |
| $\begin{array}{r}98.8 \% \\ 100.0 \% \\ \hline\end{array}$ | 0 | 0.0 | 0.0 |  |


|  |  | November |  | Probab | dedance |  | December |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent | No Action Altemative | Alterative C | Absolute |  | ${ }^{\text {Percent }}$ | No Action Aternative | Alterative C | Absolute |  |
| Probability | Monthly Diversion | Monthly Piversion | Difference (CFS) | Difference (\%) | robabil | Monthy Diverision | Monthly Diversion | Difference (CFS) | Difference (\%) |
| (\%) | CFS) | s) | 8 |  | 0, \% | (CFS) | (cfs) |  |  |
| 1.2\% |  | ${ }^{8}$ |  |  | 0.0\% | 109 | 1183 | 17 |  |
| 2.5\% | 0 | 0 | 0 |  | 2.5\% | 969 | 974 | 5 |  |
| 3.7\% | 0 | 0 | 0 |  | 3.7\% | ${ }_{839}$ | 692 | ${ }_{146}$ | -17.4\% |
| 4.9\% | 0 | 0 | 0 |  | 4.9\% | 494 | 523 | 29 | 6.0\% |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | 351 | 437 | 86 |  |
| 7.4\% | 0 | 0 | 0 |  | 7.4\% | 74 | 231 | 157 |  |
| 9.9\%\% | 0 | 0 | 0 |  | 8.6\% | 53 | 144 | 92 | ${ }_{\text {3 }} 17.1 \%$ |
| 11.1\% | 0 | 0 | 0 |  | - ${ }^{\text {11.9\% }}$ | 280 | ${ }_{36}^{37}$ | ${ }_{36}$ | 33.1\% |
| 12.3\% | 0 | 0 | 0 |  | 12.3\% | 0 | 10 | 10 |  |
| 13.6\% | 0 | 0 | 0 |  | 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  | 14.8\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  | - $11.0 \%$ \% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  | 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.2 \%}$ | 0 | 0 | 0 |  | 22.2\% | 0 | 0 | 0 |  |
| ${ }^{23.5 \%}$ | 0 | 0 | 0 |  | 22.5\%\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  | 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  | 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  | 29.6\% | 0 | 0 | 0 |  |
| 30.3\% | 0 | 0 | 0 |  | ${ }^{30.9 \%}$ | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  | 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  | 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  | 38.3\%\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| 4.3.2\% | 0 | 0 | 0 |  | 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  | 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  | - 4.7 \% $4.9 \%$ | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  | 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  | 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 55.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  | 554.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  | 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 59.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  | 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  | 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  | 65.4\% | 0 | 0 | 0 |  |
| -667\% ${ }^{67.9 \%}$ | 0 | 0 | 0 |  | 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  | 697.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  | 70.4\% |  |  | 0 |  |
| 71.6\% | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| -72.8\% | 0 | 0 | 0 |  | -72.8\% | 0 | 0 | 0 |  |
| 74.1\% 7 $753 \%$ | 0 | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  | 77.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |  |  |  | 0 |  |
| 79.0\% | 0 | 0 | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| - $80.2 \%$ | 0 | 0 | 0 |  | ( $80.2 \%$ | 0 | 0 | 0 |  |
| -81.5\% | 0 | 0 | 0 |  | 81.5\% | 0 | 0 | 0 |  |
| 84.0\% | 0 |  | 0 |  | 84.0\% | 0 | 0 | 0 |  |
| -85.2\% | 0 | 0 | 0 |  | 85.2\% | 0 | 0 | 0 |  |
| - 8 86.7\%\% | 0 | 0 | 0 |  | 86.4\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 90.10\% | 0 | 0 | 0 |  | 90.1\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  | 99.4\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  | 93.8\% | 0 | 0 | 0 |  |
| -95.1\% | 0 | 0 | 0 |  | 95.1\% | 0 | 0 | 0 |  |
| 96.3\% ${ }^{96.5 \%}$ | 0 | 0 | 0 |  | 96.7.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | - | 0 |  | 98.8\% | 0 | 0 | 0 |  |


| $\begin{aligned} & \text { Perecent } \\ & \text { Erceedanc } \\ & \text { Probabitite } \end{aligned}$ | January |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Alterative C |  | Realative |
|  | Monthly Diversion | Monthy Diversion | Difference | Difference (\%) |
| (\%) | (CF5) | (CFSS) |  |  |
| , 20 | 5997 | Sc5 | 969 | . 5 \% |
| 2.5\% | 3653 | 3469 | -184 | -5.0\% |
| 3.7\% | 2312 | 2105 | 207 | 9.0\% |
| 4.9\% | 1658 | 141 | ${ }^{241}$ |  |
| 6.2\% | 1025 | 125 |  |  |
| 7.4\% | 1003 | 1130 | 127 |  |
| 8.6\% | 890 | 899 | 9 | 1.0\% |
| 9.9\% ${ }^{\text {911. }}$ | 594 571 | 632 389 | 38 <br> .182 <br> 18 | 㐌.5\% |
| 1.23\% | 446 | ${ }_{381}^{389}$ | -65 | -14.9\% |
| 13.6\% | 444 | 376 | -67 | -15.1\% |
| 14.8\% | 414 | 374 | -40 |  |
| 16.0\% | 309 | 348 | 39 | 12. |
| 17.3\% | ${ }^{213}$ | 66 | 147 |  |
| 18.5\% |  | 48 |  | 37.6\% |
| 19.8\% | 53 47 | ${ }_{45}^{47}$ | - 1 | -11.6\% |
| 22.2\% | ${ }_{26}$ | ${ }_{38}$ | 11 | 42.5\% |
| 23.5\% | 18 | ${ }^{28}$ | 10 | 54.7\% |
| 24.7\% | 10 | 21 | 11 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% $28.4 \%$ | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| ${ }^{33} \times 1.6 \%$ | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | $\bigcirc$ |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | $\bigcirc$ |  |
| 55.\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 56.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }^{65.4 \%}$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 82.7\% |  | 0 |  |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| ${ }^{86.4 \%}$ | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% |  | 0 |  |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 935.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |

Table SW-50.7b

|  | February |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
| $\underset{\substack{\text { Percent } \\ \text { Exceedance }}}{\text { a }}$ | No Action Atemative | Atemative C |  |  |
| Probability | Monthly Diversion | Monthly Diversion | Difference |  |
| (\%) | (CFF) | (CFS) | ) |  |
|  |  |  | 28 | . 5 |
| 1.2\% | 9304 | 8747 | 558 |  |
| 2.5\% | 5144 | 5123 | -21 |  |
| 3.7\% | ${ }^{3323}$ | ${ }^{3346}$ | ${ }^{23}$ | 0.7\% |
| 4.9\% | 1751 | 1733 | -19 |  |
| 6.2\% | 1559 | 1437 | 123 | -7.9\% |
| 7.4\% | 1482 | 1322 | 161 | 10.8 |
| 8.6\% | 1317 | 1200 | 117 | 8.9\% |
| 9.9\% | 976 | 880 |  |  |
| 11.1\% | 806 | 702 | 104 | -12.9\% |
| 12.3\% | 682 | 541 | 141 |  |
| 13.6\% | 574 | 531 | 44 |  |
| 14.8\% | 510 | 516 | 5 |  |
| 16.0\% | 466 | 380 | 86 | -18.4\% |
| $17.3 \%$ <br> $185 \%$ | 290 | 289 | 2 |  |
| 18.5\% 19.8\% | ${ }^{239}$ | ${ }^{238}$ | -1 | -0.3\% |
| - ${ }^{19.8 \% \%}$ | ${ }^{236}$ | 193 | -43 | -18.1\% |
| ${ }^{21.2 \%}$ | 118 101 | 96 60 | ${ }_{42}^{22}$ | - $-18.81 \%$ |
| 23.5\% | 38 | 46 | 8 | 20.5\% |
| 24.7\% | 14 | 28 | 13 |  |
| 25.9\% | 0 | ${ }^{23}$ | ${ }^{23}$ |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| ${ }^{42.0 \%}$ | 0 | 0 | 0 |  |
| - $43.2 \%$ | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% 4.4 | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 年5.5\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 617\% 6 | 0 | 0 | 0 |  |
| -63.0\% | 0 | 0 | 0 |  |
| 64.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.1.9\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% $80.2 \%$ | 0 | 0 | 0 |  |
| 80. ${ }^{80.2 \%}$ | 0 | 0 | 0 |  |
| - ${ }_{\text {812.5\% }}^{8.7 \%}$ | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 |  |  |
| 86.4\% | 0 | 0 | 0 |  |
| $87.7 \%$ $880 \%$ | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 |  |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% ${ }^{98.8 \%}$ | 0 | 0 | 0 |  |
| -98.8\% | 0.0 | 0 | 0 |  |



Table sw.50.7b
Moutton Weir Spills into suture Sypass, Monthly Diversion

|  |  | June |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Percent | No Action Atemative | Altemative C |  |  |
| Probability | Monthly Diverision | Monthly Diversion | Difference | Difference (\%) |
| (\%) | (CFS) | (CFS) |  |  |
|  | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 7.4\%\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| $13.6 \%$ $14.8 \%$ | 0 | 0 | 0 |  |
| 14.8\% $16.0 \%$ 1780 | 0 | 0 | 0 |  |
| -16.0\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.2 \%}$ 2.5\% | 0 | 0 | 0 |  |
| ${ }^{23.4 .7 \%}$ | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| ${ }^{29.96 \%}$ | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 48.1\% |  | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.7.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% $67.9 \%$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 7.5\% | 0 | 0 | 0 |  |
| 77.8\% |  |  |  |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.7.5\% | 0 | 0 | 0 |  |
| - ${ }_{\text {81.5\% }} 8.7$ \% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% |  |  |  |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 901.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 |  |  |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% 9 |  | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



| Long-term Average and Average by Water Year Type |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulition Period ${ }^{\text {a }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| NoAction Altemative | 7 | 126 | 1329 | 3917 | 5723 | 3523 | 1174 | 68 | 19 | 0 | 0 | 0 |
| Alemaive $C$ | 9 | 127 | 1387 | 3741 | 5349 | 3320 | 1173 | 59 | 17 | 0 | 0 | 0 |
| Diffeene | 2 | 1 | 58 | -176 | -374 | -202 | -1 | -9 | -2 | 0 | 0 | 0 |
| Percen Differenes |  |  | 4.3\% | -4.5\% | -6.5\% | -5.7\% | -0.1\% |  |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet (32\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altentive | 0 | 35 | 1292 | 9956 | 14022 | 8607 | 3195 | 128 | 61 | 0 | 0 | 0 |
| Alemative C | 0 | 60 | 1348 | 9859 | 13585 | 8325 | 3215 | 102 | 55 | 0 | 0 | 0 |
| Diffeene | 0 | 25 | 57 | -97 | -437 | -281 | 20 | -26 | -5 | 0 | 0 | 0 |
| Percent Diffeence |  |  | 4.4\% | -1.0\% | -3.1\% | -3.3\% | 0.6\% |  |  |  |  |  |
| Above Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenalive | 0 | 589 | 1240 | 3961 | 5888 | 4959 | 997 | 187 | 0 | 0 | 0 | 0 |
| Alemaive $C$ | 0 | 553 | 1180 | 3231 | 5145 | 4462 | 972 | 184 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | -36 | -60 | -729 | -743 | -497 | -25 | -2 | 0 | 0 | 0 | 0 |
| Percent Diffeence |  | -6.1\% | -4.8\% | -18.4\% | -12.6\% | -10.0\% | -2.5\% | -1.3\% |  |  |  |  |
| Below Normal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| NoA clion Altemative | 40 | 75 | 1613 | 716 | 1433 | 83 | 89 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 51 | 76 | 1762 | 643 | 989 | 27 | 69 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 11 | 0 | 150 | .73 | - 444 | -56 | -20 | 0 | 0 | 0 | 0 | 0 |
| Perene Diffeence | 27.5\% | 0.6\% | 9.3\% | -10.2\% | -31.0\% | -67.4\% | -22.9\% |  |  |  |  |  |
| Dry (224\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noatcion Altenalive | 0 | 75 | 2090 | 256 | 768 | 245 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemaive $C$ | 0 | 66 | 2194 | 145 | 538 | 104 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | -9 | 104 | -111 | -231 | -141 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent iffeence |  | -12.1\% | 5.0\% | -43.4\% | -30.0\% | -57.6\% |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altemalive | 0 | 0 | 29 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 0 | 0 | 28 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | -1 | -12 | -5 | 0 | 0 | - | 0 | 0 | 0 | 0 |
| Percent ifiteence |  |  | -2.3\% | -82.7\% | -38.9\% |  |  |  |  |  |  |  |

Based on the 82 2yerarsmaxioion perion

3 Realive difference of the monthy vereage


Figure SW-51-7b
Colusa Weir Spills into Sutter Bypass, Monthly Diversion


Table SW-51-7b
Colusa Weir Spills into sutter Bypass, Monthy Diversion

|  | Ocrober |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative C | Absolute |  |
| Probability | Monthly Diverion | Monthy Diversion | Difierence (CFS) | Difference (\%) |
| 0.0\% | (CFF5) | ${ }_{7}{ }^{\text {(CF5) }}$ | 154 | 27.5\% |
| 1.2\% | - |  | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% $4.9 \%$ | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| ${ }^{\text {16.0\% }}$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \% \%}$ | 0 | 0 | 0 |  |
| ${ }^{22.35 \%}$ | 0 | 0 | 0 |  |
| 224.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 22.4\%\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 334.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 339.5\% | 0 | 0 | 0 |  |
| 4.7.7\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 46.79\% | 0 | 0 | 0 |  |
| 49.4\% 4 | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 55.3\% | 0 | 0 | 0 |  |
| $5.56 \%$ $56.8 \%$ | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 66.5\% 6 | 0 | 0 | 0 |  |
| 6. $6.0 \%$ | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 669.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.1. 7 \% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.7\% | 0 | 0 | 0 |  |
| 80.2\% |  | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| $82.7 \%$ $84.0 \%$ | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\%\% | 0 | 0 | 0 |  |
| 98.8\% $100.0 \%$ | 0 | 0 0.0 | 0 |  |


| $\begin{aligned} & \text { Percent } \\ & \hline \text { Excedance } \\ & \text { Probability } \end{aligned}$ | January |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Atemative | Atterative C | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CfsF) } \end{gathered}$ | $\begin{aligned} & \text { Releative } \\ & \text { Difference (\%) } \end{aligned}$ |
|  | Monthly Diversion | $\xrightarrow{\text { Manterative C }}$ |  |  |
| (\%) | (CFF) |  |  |  |
| 0.0\% | 34396 | 33848 | -549 | -1.6\% |
| 1.2\% | 30467 | 300 | 434 |  |
| 2.5\% | 29120 | 29281 | 161 | 0.6\% |
| 3.7\% | 24936 | 2492 | 11 |  |
| 4.9\% | 21295 | 21610 | 315 |  |
| 6.2\% | 927 | 2156 | 636 | 3.0\% |
| 7.4\% | 19015 | 18100 | 914 | 4.8\% |
| 8.6\% | 18640 | 18038 | -602 | -3.2\% |
| 9.9\% | 11980 | 10579 | 1401 | -11.76 |
| 11.1\% | ${ }^{11956}$ | 10245 | - 1711 | -14.3\% |
| 12.3\% | 10544 | 9835 | -710 | -6.7\% |
| 13.6\% | 10025 | 9707 | -318 | -3.2\% |
| 14.8\% | 9226 | 9433 | 206 | 2.2\% |
| 16.0\% | 8577 | 9018 | ${ }_{4} 41$ | 5.1\% |
| 17.3\% | 8270 | 7753 | 516 | 6.2\% |
| 18.5\% | 7295 | 6637 | -658 | 9.0\% |
| 19.8\% | 6835 | 5833 | 1003 | -14.79 |
| 21.0\% | 5815 | 5161 | 654 | -11.28 |
| 22.2\% | 4988 | 4116 | 872 | -17.5 |
| 23.5\% | 4592 | 3996 | -597 | -13.0\% |
| 24.7\% | 3793 | 3532 | -261 | -6.9\% |
| 25.9\% | 3788 | 2727 | -1061 | -28.0\% |
| 27.2\% | 2797 | 2087 | -710 | -25.48 |
| 28.4\% | ${ }_{2342}^{2342}$ | 1926 | -416 | -17.8\% |
| 29.6\% | ${ }^{2254}$ | 1689 | -566 | -25.19 |
| 30.9\% | 1865 | 1587 | 278 | -14.9\% |
| 32.1\% | 1582 | 1198 | -464 | -293.3\% |
| ${ }^{334.5 \%}$ | 1034 | 686 | -347 | -33.6\% |
| 35.8\% | 691 | 525 | -166 | -24.0\% |
| 37.\% | 493 | 187 | -306 | -62.1\% |
| 38.3\% | 283 | 151 | 132 | -46.7\% |
| 39.5\% | 244 | 93 | -151 | -62.0\% |
| 40.7\% | 122 | 84 | ${ }^{38}$ |  |
| 42.0\% | 97 | ${ }^{30}$ | -67 |  |
| ${ }^{43.2 \%}$ 4.4\% | 75 | 0 | -75 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| -72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 77.0\% | 0 | 0 | 0 |  |
| - $80.2 \%$ | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| $82.7 \%$ $840 \%$ | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| ${ }_{86.4 \%}$ | 0 | 0 | 0 |  |
| 887.7\% | 0 | 0 | 0 |  |
| - ${ }^{88.1 \% \%}$ | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% |  |  |  |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.19\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 998.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |

Table Sw-51-7b

|  | ebruary |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
| $\underset{\substack{\text { Percent } \\ \text { Exceedance }}}{\text { a }}$ | No Action Altemative | Altemative C |  |  |
| Probability | Monthly Piversion | Monthly Diversion |  | Difference (\%) |
| ${ }^{\text {(\%) }}$ (\%) | [CFS | (CFS) |  |  |
|  | 53046 | 53019 | -27 | -0.1\% |
| 1.2\% | 49189 | 46362 | 2827 |  |
| 2.5\% | 33038 | 33475 | 437 | 1.3\% |
| 3.7\% | 30755 | 31180 | 425 |  |
| 4.9\% | 26703 | 25428 | 1275 | 4.8\% |
| 6.2\% | 22915 | 23251 | 336 | 1.5\% |
| 7.4\% | 18664 | 21708 | 3043 | 16.3\% |
| 8.6\% | 17950 | 16316 | -1634 | 9.1 |
| 9.9\% | 17925 | 16029 | -1896 | 10.6\% |
| 11.1\% | 17625 | 15622 | 2004 | -11.4\% |
| 12.3\% | 17461 | 14856 | 2605 | 14.9\% |
| 13.6\% | 15972 | 13607 | 2365 | 14.8\% |
| 14.8\% | 12659 | 13059 | 399 | 3.2\% |
| 16.0\% | 11444 | 10897 | 547 | 4.8\% |
| 17.3\% | 11105 | 10203 | -903 | 8.1 |
| 18.5\% | 9984 | 9740 | -243 | 2.4\% |
| 19.8\% | 9724 | 9020 | . 73 | -7.2\% |
| 21.0\% | 9497 | 8107 | -1390 | 14.6\% |
| 22.2\% | 7924 | 6797 | -1127 | 14.2\% |
| 23.5\% | 7401 | 6551 | 850 | -11.5\% |
| 24.7\% | 7267 | ${ }_{6}^{6180}$ | 1087 | -15.0\% |
| 25.9\% | 5435 | 5826 | 391 | 7.2\% |
| 27.2\% | 5428 | 4993 | ${ }^{435}$ | 8.0\% |
| 28.4\% | 5342 | 4433 | .909 | -17.0\% |
| 29.6\% | 5275 | ${ }^{4025}$ | 1251 | 23.7\% |
| 30.9\% | 5208 | ${ }^{3375}$ | ${ }^{1834}$ | 35.2\% |
| 32.1\% | 4943 | 2956 | 1987 | -40.2\% |
| 33.3\% | 3667 | 2777 | 890 | ${ }^{24.3 \%}$ |
| 34.6\% | 2783 | ${ }_{2}^{2325}$ | 458 | -16.5\% |
| 35.8\% | 2667 | ${ }_{2268}^{2268}$ | -399 | -15.0\% |
| 37.0\% | 2603 | 1963 | 640 | -24.6\% |
| 38.3\% | 2391 | 1869 1725 | 5522 | 21.8\% |
| 39.5\% | 2311 | ${ }^{1725}$ | 586 | -25.4\% |
| 40.7\% | 1397 | 1542 | ${ }_{4} 765$ | -33.2\% |
| 42.0\% | 1990 | ${ }^{1496}$ | -494 | -24.8\% |
| 43.2\% | 1940 | 1429 | -510 | -26.3\% |
| 44.4\% | 1906 | 1064 | 841 | -44.1\% |
| 45.7\% | ${ }^{1681}$ | 791 | 890 | 52.9\% |
| 46.9\% | 983 | 696 | ${ }^{287}$ | -29.2\% |
| 48.1\% | 553 | 410 | -142 | -25.8\% |
| 49.4\% | 534 | 382 | 152 | -28.4\% |
| 50.6\% | 498 | ${ }^{372}$ | ${ }^{126}$ | -25.3\% |
| 51.9\% | 290 | 274 | ${ }^{16}$ | -5.4\% |
| 53.1\% | 160 | ${ }^{98}$ | ${ }^{62}$ |  |
| 54.3\% | 145 | 94 | 51 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 60.5\% |  |  |  |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | ${ }_{0}^{0}$ | 0 | 0 |  |
| 67.9\% |  |  |  |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.1. ${ }^{72.8}$ | 0 | 0 | 0 |  |
| 75.3\% |  |  |  |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 890.2\% | 0 | 0 | 0 |  |
| 80.15\% | 0 | 0 | 0 |  |
| 82.7\% |  |  |  |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| - | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% |  |  |  |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | O | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



Colusa Weir Spills into sutuer Bypass, Monthly Diversion

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Iemative | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthly (iversion |  | differene (CFS) | Difference (\%) |
| ${ }^{(\% .0 \%}$ | ${ }_{\text {( } 1559}$ | ${ }^{\text {(CFFS }} 10$ | . 140 | 8.9\% |
| 1.2\% | 0 | 0 |  |  |
| 2.5\% | O | , | 0 |  |
| 3.7\%\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% <br> $12.3 \%$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - 16.0 17.0\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| ${ }^{25.7 .2 \%}$ | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| $34.6 \%$ $35.8 \%$ | 0 | 0 | 0 |  |
| 357.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 |  |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% 44.4 | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% $54.3 \%$ | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| $74.1 \%$ $753 \%$ | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| $84.0 \%$ $8582 \%$ | 0 | 0 | 0 |  |
| ${ }_{86.4 \%}$ | 0 | 0 | 0 |  |
| 877\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.19\% | 0 | 0 | 0 |  |
| 9.2.\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 997.5\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



| Long-term Average and Average by Water Year Type |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| $\overline{\text { Full Simulito Period' }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alterative | 8 | 147 | 1010 | 2248 | 3231 | 2125 | 897 | 89 | 45 | 0 | 0 | 0 |
| Altemaive C | 10 | ${ }^{133}$ | 961 | 2135 | 3007 | 1956 | 871 | 80 | 45 | 0 | 0 | 0 |
| Diffeene | 2 | -15 | -50 | -113 | -224 | -169 | -26 | -9 | -1 | 0 | 0 | 0 |
| Percent Difteence? |  | -9.9\% | -4.9\% | -5.0\% | -6.9\% | . $7.9 \%$ | -2.9\% | -10.3\% |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet $332^{*}$ ) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 98 | 1109 | 5277 | 7193 | 4834 | 2396 | 169 | 143 | 0 | 0 | 0 |
| Alemaive C | 0 | 91 | 1042 | 5211 | 6964 | 4605 | 2353 | 143 | 141 | 0 | 0 | 0 |
| Diffeence | 0 | -7 | -67 | -66 | -230 | -229 | -43 | -26 | ${ }^{-3}$ | 0 | 0 | 0 |
| Perenen Difteence |  |  | -6.0\% | -1.3\% | -3.2\% | -4.7\% | -1.8\% |  |  |  |  |  |
| Above Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altemative | 0 | 511 | 1096 | 2726 | 3647 | 3200 | 767 | 241 | 0 | 0 | 0 | 0 |
| Alemative C | 0 | 447 | 973 | 2344 | 3260 | 2881 | 724 | 234 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | -64 | -123 | -382 | -388 | -320 | -44 | . 7 | 0 | 0 | 0 | 0 |
| Perent Difteence |  | -12.5\% | -11.2\% | -14.0\% | -10.6\% | -10.0\% | -5.7\% | -2.8\% |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Alemative | 49 | 101 | 1231 | 613 | 1293 | 265 | 147 | 0 | 0 | 0 | 0 | 0 |
| Alemalive C | 59 | 103 | 1277 | 550 | 1011 | 152 | 110 | 0 | 0 | 0 | 0 | 0 |
| Difteence | 10 | 2 | 46 | -63 | -282 | -113 | -37 | 0 | 0 | 0 | 0 | 0 |
| Perener Differene | 20.0\% | 2.1\% | 3.7\% | -10.2\% | -21.8\% | -42.7\% | -25.3\% |  |  |  |  |  |
| Dry $(22 \%)$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 110 | 1255 | 278 | 823 | 356 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemaive $C$ | 0 | 95 | 1174 | 175 | 624 | 221 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | -15 | -80 | -103 | -199 | -134 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perener Diffeence |  | -13.4\% | -6.4\% | -37.0\% | -24.2\% | -37.8\% |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 0 | 86 | 67 | 101 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemaive C | 0 | 0 | 83 | 48 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | $-3$ | -19 | -14 | -3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perener Diffeence |  |  | -4.0\% | -28.3\% | -14.3\% | -100.0\% |  |  |  |  |  |  |

Based on the 82-汭 simuldion neriod
Index Waer Year. Hydrologic Classificaton (SWRCB D-1644. 1999)

$\xrightarrow{\text { Feb }}$ Mar Apr May
Below Normal Water Year Types (17\%)
NAlternative $C$


We Weir Spills into Sutter Bypass, Monthly Diversion


Figure SW-52-7b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion


Table SW-52.7b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion

|  | Octob |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative |  | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
|  | Monthly $\begin{gathered}\text { (liversision } \\ \text { (CFs) }\end{gathered}$ | Monthly Diversion |  | Difference (\%) |
| 0.0\% | ${ }_{6} 685$ | ${ }^{1022}$ |  | 20.0\% |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\%\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 |  | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% $13.6 \%$ | 0 | 0 | 0 |  |
| - $11.8 .8 \%$ | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  |
| + ${ }^{\text {17.3\% }}$ 17.5\% | 0 | 0 | 0 |  |
| 18.5\% ${ }^{19.8}$ | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| 22.5\%\% | 0 | 0 | 0 |  |
| 224.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 20.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 |  |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 |  |  |
| 33.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\%\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 4.7\%\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 55.9\% | 0 | 0 | 0 |  |
| 55.1\% | ${ }_{0}^{0}$ | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 558.0\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| ${ }^{6.50 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| 㐌.4\%\% | 0 | 0 | 0 |  |
| 66.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 772.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 7.3\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 |  |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\%\% | 0 | 0 | 0 |  |
| 82.7\% |  |  |  |  |
| 84.0\% | 0 | 0 | 0 |  |
| 88.4\% | 0 | 0 | 0 |  |
| 87.7\% |  |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 99.4\% 9 | 0 | 0 | 0 |  |
| 92.6\% |  |  | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| ${ }_{9}^{95.19 \%}$ | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


| $\begin{array}{\|c} \text { Percent } \\ \text { Exceedance } \\ \text { Probability } \end{array}$ | January |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altermative | Alternative C | ${ }^{\text {Abssolute }}$ | Relative |
|  | Monthly Diversion | Monthly Piversion | (cfs) | Ifference (\%) |
| (\%) | ${ }_{\text {(CFSS) }}^{15256}$ | ${ }_{\text {(CFSS) }}^{15398}$ |  |  |
|  |  | ${ }^{15398}$ | 142 | 0.9\% |
| 1.2\% | 14749 | 14783 | ${ }_{7} 3$ |  |
| 2.5\% | ${ }_{111244}$ |  | ${ }_{64}$ |  |
| 4.9\% | 10953 | ${ }_{11254}$ | ${ }_{301} 64$ | 2.6\% |
| 6.2\% | 10456 | 10477 | 21 | 0.2\% |
| 7.4\% | 10022 | 9864 | -159 | -1.6\% |
| 8.6.6\% | 9259 9014 | 8501 8464 | - -749 | -8.8. ${ }_{\text {- }}^{\text {- } 1 \%}$ |
| 111.1\% | 9571 | 6492 |  | -6.1\% |
| 12.3\% | 6512 | 6655 | 144 | 2.2\% |
| $13.6 \%$ $14.8 \%$ | 6193 6139 | 5667 5624 | -516 | -8.8.9\% |
| 16.0\% | 5743 | 4663 | -1080 | -18.8\% |
| 17.3\% | 5398 | 4453 | -945 | -17.5\% |
| (18.5\% | ${ }_{4232}^{4727}$ | 4447 3981 | -280 | -5.59\% |
| 21.0\% | 3952 | 3526 | -426 | -10.8\% |
| 22.2\% | ${ }^{3881}$ | ${ }^{3492}$ | -389 | -10.0\% |
| ${ }_{24.7 \%}^{23.5 \%}$ | -3723 | 3270 2844 | - 545 | - $\begin{aligned} & -12.2 \% \\ & -163 \%\end{aligned}$ |
| 25.9\% | 3236 | 2266 | -969 | -30.0\% |
| 27.2\% | 2265 | 2127 | -138 | -6.1\% |
| 29.6\% | ${ }_{2125}^{2209}$ | 2006 <br> 1882 | -243 | - $11.24 \%$ |
| 30.9\% | 2108 | 1710 | -398 | -18.9\% |
|  | 1700 | 1703 | 3 | 0.2\% |
| 33.3\%\% | 1161 <br> 1085 | 1250 970 | -116 | 7.7\% |
| 35.8\% | 1066 | 856 | -209 | -19.6\% |
|  |  | 841 |  | -13.9\% |
| 39.5\% | ${ }_{884}^{836}$ | ${ }_{434}^{658}$ | -1780 | -47.4\% |
| 40.7\% | 482 | 384 | -98 | -20.3\% |
|  |  | 334 |  | -25.8\% |
| 44.4\% | 174 174 | ${ }_{144}$ | -79 | -17.0\% |
| 45.7\% | 103 | 143 | 40 |  |
| 46.9\% | 98 | 102 | 4 |  |
| 49.4\% | ${ }_{55}^{96}$ | ${ }_{34}^{47}$ | -22 |  |
| 50.6\% | 42 | 30 | -12 |  |
| 56.9\% | 35 12 | 0 | -35 -12 |  |
| 54.3\% | 12 | 0 | -12 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\%\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\%\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| ${ }^{85.2 \%}$ | 0 | 0 | 0 |  |
| 887.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 992.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



|  | February |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Atemative | Attemativ |  |  |
| Probability | Monthly Diversion (CFs) | Monthly Diversion (CFS) | Difiterence | Difference (\%) |
| 0.0\% | ${ }_{18736}$ | 18730 | . 6 | 0.0\% |
| 1.2\% | 18159 | 17669 | -490 | 2.7\% |
| 2.5\% | 15350 | 15597 | 24 |  |
| 3.7\% | ${ }_{13328}^{136}$ | 13887 | 159 |  |
| 4.9\% | 11640 | 11944 | 304 |  |
| 7.2\% | 10925 | 11541 | 617 | 5.6\% |
| 7.4\% | 10864 | 10515 | 349 | \% |
| 9.9\%\% | 10452 10203 | ${ }_{9279}^{9628}$ | -824 | -7.9\%\% |
| 11.1\% | 9890 | 8999 | 891 | -9.0 |
| 12.3\% | 8871 | 8683 | 189 |  |
| 13.6\% | 8858 | 8352 | 506 | 5.7\% |
| 14.8\% | 7839 | ${ }_{8093}$ | 254 | 3.2\% |
| - $16.0 \%$ | 6949 6880 | ${ }_{6046}^{6685}$ | - 284 | ${ }^{-3.8 \%}$-12.1\% |
| 18.5\% | 6738 | 5653 | 1085 | -16.1\% |
| 19.8\% | 6425 | 5556 | 868 | -13.5\% |
| 21.0\% | 6243 |  | 707 |  |
|  | ${ }_{5027}$ | 5493 | 534 | 8.9\% |
| 23.7\% | ${ }_{5325}$ | 4857 | ${ }_{-467}$ | -8.8\% |
| 25.9\% | 4823 | 4535 | 288 | 6.0\% |
| 27.2\% | 4221 | ${ }^{4342}$ | 120 | 29\% |
| 28.4\%\% | ${ }_{4164}^{4202}$ | ${ }_{3477}^{3518}$ | -687 | --16.3\% <br> $.16 .5 \%$ |
| 30.9\% | 3976 | 2800 | 1176 | 29.6\% |
| 32.1\% | 3709 | 2674 | 1035 | 27.9\% |
|  | 3499 3214 | ${ }_{2524}^{2524}$ | -885 | -26.0\% |
| 335.8\% | 3214 3121 | 2445 <br> 245 <br> 2045 | - 776 | - ${ }_{\text {- }}^{\text {-23.7.7\% }}$ |
| 37.0\% | 2867 | 2309 | -559 | -19.5\% |
| 38.3\% | 2787 | 2199 | 588 | 21.1\% |
| 39.5\% | 2531 | 2119 | -412 | -16.3\% |
| 42.70\% | 2503 2452 | 2013 1896 | - ${ }^{\text {- } 587}$ | -19.6\% |
| 43.2\% | 2444 | 1830 | -614 | 25.1\% |
| 44.4\% | 1429 | 1370 | $-58$ | -4.1\% |
|  | 1202 | 1040 | -162 | -13.5\% |
| 48.1\% | (1103 | ${ }_{930}^{988}$ | - 168 | - ${ }^{-14.3 \%}$ |
| 49.4\% | 1053 | 879 | -173 | -16.5\% |
| 50.6\% | 866 | 829 | -37 | -4.3\% |
| 51.9\% | ${ }_{7} 776$ | 677 | -99 |  |
| 55.3\% | ${ }^{754}$ | 654 | -100 | -13.2\% |
| 55.6\% | ${ }_{274}$ | 144 | -130 | -47.5\% |
| 56.8\% | 149 | 109 | -39 |  |
| 58.0\% | ${ }^{137}$ | 90 | ${ }^{46}$ |  |
| 59.3\% | ${ }^{131}$ | 65 | 66 |  |
| 61.7\% | ${ }_{31}^{53}$ | 9 | -22 |  |
| 63.0\% | ${ }^{21}$ | 0 | 21 |  |
| 64.2\% | 1 | 0 | 1 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% ${ }^{72.8 \%}$ | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| ${ }^{76.5 \%}$ | 0 | 0 | 0 |  |
| 77.8.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 88.0\% | 0 | 0 | 0 |  |
| 88.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 992.6\% | 0 | 0 | 0 |  |
| 993.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 99.3\% | 0 | 0 | 0 |  |
| 998.8\% | 0 | 0 | 0 |  |
| 98.8\%\% | 0 0.0 | 0 0.0 |  |  |


| of Exceedala |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative | Absolute | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Exceecance } \\ \text { Probabbility } \end{gathered}$ | $\begin{aligned} & \hline \text { No Action Alterative } \\ & \hline \text { Monthy } \\ & \hline \end{aligned}$ | Atterative C | $\begin{aligned} & \text { Absolute } \\ & \text { Difference } \\ & \text { (CFSS) } \end{aligned}$ | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
|  | Monthy Diversion | Monthly Diversion | diflerence |  |  |  | Monthly Diversion |  |  |
| (\%) | ${ }^{\text {(CFSS }}$ ) | ${ }^{\text {(17FS) }}$ |  |  | 0\% | 987 | (CFS) |  |  |
| 0.0\% | 17777 |  | 0 | 0.0\% | 0.0\% | ${ }^{9875}$ | 9901 | ${ }^{27}$ | 0.3\% |
| 2.5\% | 14705 <br> 13585 | 14665 12770 | -815 | -0.3\% | 2.5\% | 8796 8068 | 8797 8079 | 13 | 0.0.0\% |
| 3.7\% | 11791 | 11127 | -64 | 5.6\% | 3.7\% | 7657 | 7658 |  | 0.0\% |
| 4.9\% | 9970 | 9960 | -10 | 0.1\% | 4.9\% | 7057 | 7056 | 1 |  |
| 6.2\% | 8585 | 7951 | . 63 | -7.4\% | 6.2\% | 4953 | 4729 |  |  |
| 7.4\% | 7690 | 6846 | 844 | 11.0\% | 7.4\% | 3949 | 3949 |  |  |
| 8.6\% | 7209 | 6625 | -584 | 8.1\% | 8.6\% | 3511 | 3514 | 3 |  |
| 9.9\% | 7184 | 6275 | 909 | 12.6\% | 9.9\% | 3009 | 3013 | 4 |  |
| 11.10\% | 6322 | 6194 | -127 | 2.0\% | 11.1\% | 2471 | 2354 | 117 | -4.7\% |
| ${ }^{12.3 \%}$ | 6110 | 5566 | -544 | -8.9\% | 12.3\% | ${ }^{2286}$ | 1964 | -321 | -14.1\% |
| 13.6\% $14.8 \%$ | 5093 4819 | ${ }_{4}^{5097}$ | $\stackrel{4}{83}$ | - | - | ${ }_{2027}^{2059}$ | 1886 <br> 1614 | -413 | -8.4.4\% |
| 16.0\% | 4524 | 4526 | 1 | 0.0\% | 16.0\% | 1642 | 1537 | -104 | 6.4\% |
| 17.3\% | 3954 | 3952 | -2 | 0.0\% | 17.3\% | 1579 | 1531 | 48 |  |
| 18.5\% | 3390 | 3384 | - 6 | 0.2\% | 18.5\% | 1525 | 1499 |  |  |
| 19.8\% | 3359 | 3214 | 145 | 4.3\% | 19.8\% | 1066 | 591 | 475 | 4.6\% |
| ${ }_{2}^{21.0 \%}$ | - 3225 | ${ }_{2673}^{2742}$ | - ${ }_{\text {- }}^{\text {- }}$ |  | ${ }_{2}^{21.0 \%}$ | 595 547 | ${ }_{427}^{535}$ | -60 | - |
| 22.5\% | ${ }_{2752}$ | 2584 | -168 | -6.1\% | 23.5\% | ${ }_{310}$ | ${ }_{309}$ | 0 | 0.0\% |
| 24.7\% | 2704 | 2469 | -234 | 8.7\% | 24.7\% | 305 | 286 | 18 | 6.0\% |
| 25.9\% | 2562 | 2307 | . 255 | 9.9 | 25.9\% | 274 | 172 | 02 | 37.3\% |
| 27.2\% | 2543 | 2234 | 309 | 12.1\% | 27.2\% | 7 | 0 |  |  |
| ${ }^{28.49 \%}$ | ${ }_{2375}^{2531}$ | 1851 <br> 1706 | -669 | - $2.26 .8 \%$ | - ${ }_{\text {28.6\% }}^{28.6 \%}$ | 0 | 0 | 0 |  |
| 30.9\% | 2249 | 1650 | -599 | -26.6\% | 30.9\% | 0 |  | 0 |  |
| 32.1\% | 1701 | 1328 | 374 | 22.0\% | 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 1567 | 1151 | . 416 | -26.5\% | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | ${ }^{1365}$ | 1048 | . 317 | 23.2\% | 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 1304 <br> 1266 <br> 1 | ${ }_{892}^{946}$ | $\begin{array}{r}\text {-358 } \\ .375 \\ \hline\end{array}$ | -27.4\% | - 3 37.7.\%\% | 0 | 0 | 0 |  |
| 38.3\% | 1110 | 788 | -322 | -29.0\% | 38.3\% | 0 | 0 | 0 |  |
| 39.7\% | ${ }_{935}$ | ${ }_{638}^{648}$ | -403 | 隹 | 39.5\% | 0 | 0 | 0 |  |
| 42.0\% | 598 | 404 | -194 | -32.4\% | 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 508 | 372 | -136 | -26.7\% | 43.2\% | 0 | 0 | 0 |  |
|  | 504 | 332 |  |  | 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | ${ }_{406}^{416}$ | $\begin{array}{r}258 \\ \hline 155\end{array}$ | -158 |  | 45.7\% 4.9 | 0 | 0 | 0 |  |
| 48.1\% | ${ }_{333}$ | ${ }_{141}$ | -192 | -5.7.7\% | 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 302 | 132 | -170 | -56.2\% | 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 217 | 110 | - 106 | -49.1\% | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 171 | 83 | 88 |  | 51.9\% | 0 | 0 | 0 |  |
| 54.3\% | ${ }^{156}$ | 77 | -80 | -50.9\% | 53.1\% | 0 | 0 | 0 |  |
| 55.6\% | ${ }_{33}$ | 0 | ${ }_{-33}$ |  | 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| - ${ }_{\text {60.5\% }} 6.7 \%$ | 0 | 0 | 0 |  | ${ }_{\text {c }}^{60.5 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  | 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  | 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  | 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  | 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  | 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| -72.8\% | 0 | 0 | 0 |  | 72.8\% | 0 | 0 | 0 |  |
| 75.3\% |  |  |  |  | 75.3\% |  |  |  |  |
| 76.5\% | 0 | 0 | 0 |  | 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  | 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| 80.1.2\% | 0 | 0 | 0 |  | 881.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 |  |  | 82.7\% |  |  | 0 |  |
| 84.0\% | 0 | 0 | 0 |  | 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  | 85.2\% | 0 | 0 | 0 |  |
| - | 0 | 0 | 0 |  | 887.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  | 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  | 91.4\% | 0 | 0 | 0 |  |
| ${ }_{9}^{92.8 \%}$ | 0 | 0 | 0 |  | ${ }_{93.8 \%}^{92.6 \%}$ | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  | 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  | 96.3\% | O | 0 | 0 |  |
| 99.8\% | 0 | 0 | 0 |  | ${ }_{988 \%}^{97.5 \%}$ | 0 | 0 | 0 |  |
| - $10.80 \%$ | 0.0 | 0.0 | 0.0 |  | - $90.80 \%$ | 0.0 | 0.0 | 0.0 |  |


| Percent | May |  | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFS) } \end{gathered}$ | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Alterative C |  |  |
| Probability | Monthly Piversion | Monthy Piversion |  |  |
| (\%) | ${ }_{2}($ CFF5) |  |  | 28\% |
| 1.2\% | 1980 | 1553 | -427 | -21.6\% |
| 2.5\% | 1550 | 1527 | 22 | -1.4\% |
| 3.7\% | 873 | 649 | -224 | -25.6\% |
| 4.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| -1.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| +13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 |  |  |
| - $11.0 \%$ | 0 | 0 | 0 |  |
| (17.3\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.55 \%}$ | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| - 27.2 \% $28.4 \%$ | 0 | 0 | 0 |  |
| -28.4\% | 0 | 0 | 0 |  |
| - $3.0 .9 \%$ | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.3. ${ }^{4.2 \%}$ | $\bigcirc$ | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7.\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 |  |  |
| -65.4\% | 0 | 0 | 0 |  |
| 66.7.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 |  | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 76.5\% | 0 |  |  |  |
| - 77.8 F | 0 | 0 | 0 |  |
| 80.2\% |  |  |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 85.2\% |  |  |  |  |
| 86.4\% | 0 | 0 | 0 |  |
| 878\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 |  |  |
| 91.4\% | 0 | - | 0 |  |
| 993.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 |  |  |
| 96.3\% ${ }_{\text {975 }}$ | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


| Table SW. $5 .-7 \mathrm{~b}$ |
| :--- |

Tisdale Weir spills into sutuer Bypass, Monthy Diversion

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Itemative C | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthly Diversion | Monthly Diversion | Difference | Difference (\%) |
| 0.0\% | ${ }_{\substack{\text { (CFF) } \\ 3625}}$ | ${ }_{3561}$ | ${ }^{63}$ | 1.7\% |
| 1.2\% | 97 | 93 | ${ }^{-3}$ | -3.6\% |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% $4.9 \%$ | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| -16.0\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \% \%}$ | 0 | 0 | 0 |  |
| ${ }^{23.5 \%}$ | 0 | 0 | 0 |  |
| 224.7\% | 0 | 0 | 0 |  |
| 227.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 332.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 337.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.7\%\% |  | 0 |  |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 4.9.4\% $50.6 \%$ | 0 | 0 |  |  |
| 55.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 |  |  |
| 55.8\% | 0 | 0 | 0 |  |
| 59.0\% | 0 | 0 | 0 |  |
| 59.3\%\% | 0 | 0 |  |  |
| 661.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 |  |  |
| 66.7\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% |  | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| ${ }_{7}^{77.0 \%}$ | 0 | 0 | 0 |  |
| 80.2\% |  | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| $8.7 \% \%$ $84.0 \%$ | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 887.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 997.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |


|  |  | Juy |  |  |  |  | August |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent Exceedance | No Action Altemative | Alterative C | Absolute |  | ${ }_{\text {Percent }}^{\text {Pecedance }}$ | No Action Alternative | Aterative C | Absolute |  |
| Probability | $\begin{aligned} & \text { Monthly Diversion } \\ & \text { (CFSS) } \end{aligned}$ | $\begin{aligned} & \text { Monthly Diversion } \\ & \text { (CFSS) } \end{aligned}$ | $\begin{aligned} & \text { Difference } \\ & \text { (CFS) } \end{aligned}$ | Difference (\%) | Probability <br> (\%) | $\begin{aligned} & \hline \text { Monttly Diversion } \\ & \hline \text { (CFS) } \end{aligned}$ | $\begin{aligned} & \text { Monthy Diversion } \\ & \text { (CFs) } \end{aligned}$ | Difference ${ }_{\text {ches }}$ | Difference (\%) |
|  | 0 | 0 | 0 |  | 0.0\% | 0 |  | 0 |  |
| ${ }^{1.2 \%}$ 2.5\% | 0 | 0 | 0 |  | 1.2\% 2.5 | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  | 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  | 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  | ${ }^{6.2 \%}$ | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  | 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  | ${ }^{9.9 \%}$ | - | 0 | 0 |  |
| 112.3\% | 0 | 0 | 0 |  | ${ }^{11.12 \%}$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  | 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  | 14.8\% | 0 | 0 | 0 |  |
| 16.0\%\% | 0 | 0 | 0 |  | - $16.0 \%$ 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | O | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \% \%}$ | 0 | 0 | 0 |  | ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  | 23.5\% | 0 | 0 | 0 |  |
| $24.7 \%$ 25\% | 0 | 0 | 0 |  | 24.7\% | 0 | 0 | 0 |  |
| ${ }^{25.7 .2 \%}$ | 0 | 0 | 0 |  | 25.7.\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| 39.9\% | 0 | 0 | 0 |  | 29.6\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  | 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| $34.6 \%$ $35.8 \%$ | 0 | $\bigcirc$ | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | O | 0 |  | 357.\% | 0 | 0 | 0 |  |
| 38.3\% ${ }_{\text {39.5\% }}$ | 0 | 0 | 0 |  | 38.3\% | 0 | 0 | 0 |  |
| 40.7\% | 0 |  |  |  | 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| ${ }_{4}^{43.4 \%}$ | 0 | 0 | 0 |  | 43.2\% 4.4 | 0 | 0 | 0 |  |
| 4.7.7\% | 0 | 0 | 0 |  | 4.5.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  | 46.9\% | 0 | 0 | 0 |  |
| 48.1\% 4 ( | 0 | 0 | 0 |  | 48.19\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | $\bigcirc$ |  | 53.19\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  | 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 59.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  | 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  | 61.7\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 63.0\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  | 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  | 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  | 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  | 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  | 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  | 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  | 76.5\% | 0 | 0 | 0 |  |
| 77.0\%\% | 0 | 0 | 0 |  | 77.8\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  | 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 |  | 0 |  | 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  | 82.7\% | 0 | 0 | 0 |  |
| 885.2\% | 0 | 0 | 0 |  | 84.0\% |  | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  | 86.4\% | 0 | 0 | 0 |  |
| 877\% | 0 | 0 | 0 |  | 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  | 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  | 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  | 93.8\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  | 96.3\% | 0 | 0 | 0 |  |
| 97.5\% |  | 0 |  |  | 97.5\% | 0 | 0 | 0 |  |
| 98.8\% 100.0\% | 0 | 0 |  |  | 98.8\% |  | 0 0.0 | 0 |  |


| $\begin{aligned} & \hline \text { Percent } \\ & \text { Exceedance } \\ & \text { Probability } \end{aligned}$ | Seplember |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Aterative | Alterative C | $\begin{gathered} \text { Absolute } \\ \text { difference } \\ \text { (CFSS) } \end{gathered}$ |  |
|  | Monthy Divesision | Monthy Diversion |  |  |
|  | (CFS) | (CFS) | 0 |  |
| 1.2\% | 0 | 0 |  |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 |  |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
|  | 0 |  |  |  |
| 14.8\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 |  |  |
| 22.2\% | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| ${ }^{25.7 .2 \%}$ | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 3.3.3 | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5 | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| - ${ }^{\text {978.8.0\% }}$ | 0.0 | 0.0 | 0.0 |  |

## Alternative D Compared to No Action Alternative

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| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulition Period' |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altemative | 0 | 0 | 63 | 257 | 431 | 189 | 14 | 0 | 0 | 0 | 0 | 0 |
| Altemaive ${ }^{\text {D }}$ | 0 | 0 | 80 | 237 | 416 | 179 | 13 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 17 | -20 | -15 | -10 | -1 | 0 | 0 | 0 | 0 | 0 |
| Percent bifference? |  |  | 27.8\% | -7.9\% | -3.5\% | -5.2\% | -4.7\% |  |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet $(32 \%)$ |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 29 | 779 | 1213 | 554 | 34 | 0 | 0 | 0 | 0 | 0 |
| Altemalive ${ }^{\text {D }}$ | 0 | 0 | 36 | 732 | 1187 | 533 | 34 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 7 | -46 | -26 | -21 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perent Difteence |  |  | 22.7\% | -6.0\% | $-2.2 \%$ | -3.8\% | -0.1\% |  |  |  |  |  |
| Abve Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 1 | 68 | 316 | 88 | 19 | 0 | 0 | 0 | 0 | 0 |
| Altemalive D | 0 | 0 | 13 | 30 | 268 | 67 | 14 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 13 | -38 | -48 | -21 | -4 | 0 | 0 | 0 | 0 | 0 |
| Pereent Diffeence |  |  |  | .55.5\% | -15.1\% | -23.9\% | -23.0\% |  |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altemative | 0 | 0 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemaive D | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perent Diffeence |  |  | 1.5\% |  |  |  |  |  |  |  |  |  |
| Dry (224\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altemative | 0 | 0 | 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemative D | 0 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pereent Difterence |  |  | 40.8\% |  |  |  |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| NoAction Altenative | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemalive ${ }^{\text {D }}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen Diffeence |  |  |  |  |  |  |  |  |  |  |  |  |

Basedon on the 82 vear simuluation period
As deter Ther
3 Realive diffeence of the monthy yverage
Ord Ferry Spills into Sutter Bypass, Monthly Diversion

- No Action Alternative
Alternative

rd Ferry Spills into Sutter Bypass, Monthly Diversion
Wet Water Year Types (32\%)
- Atternative

Ord Ferry Spills into Sutter Bypass, Monthly Diversion
Below Normal Water Year Types (17\%)

Dry Water Year Types (22\%)
Alternative D
- No Action Alternative

Critical Water Y Year
No Action Alteranative



Figure SW-49-9b
Ord Ferry Spills into Sutter Bypass, Monthly Diversion


Table sw-49.9b

| Percent | October |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altemative D | $\begin{gathered} \text { Absolute } \\ \text { differeere } \\ \text { (CFSS) } \end{gathered}$ |  |
| Probability | Monthly Diversion | Monthly Diversion |  |  |
| ${ }_{\text {(\%) }}^{(0.0 \%}$ | (CFS) | CFS) |  |  |
|  | 0 | 0 | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| ${ }^{\text {9.9.9\% }}$ | 0 | 0 | 0 |  |
| - ${ }_{\text {12.3\% }}^{11.19 \%}$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 21.0\% |  |  |  |  |
| 22.2\% | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 28.4\% | 0 |  |  |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 35.8\% | 0 |  |  |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% 42. | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 |  |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 |  |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| -63.0\% | ${ }_{0}^{0}$ | 0 | 0 |  |
| 65.4\% |  |  | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.1.4\% | ${ }_{0}^{0}$ | 0 | 0 |  |
| 72.8\% | 0 |  |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.0\% | $\bigcirc$ | 0 | 0 |  |
| 80.2\% |  |  |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| $82.7 \%$ $8.0 \%$ | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.4\% | 0 | 0 | 0 |  |
| 87.7\% |  |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.14\% | 0 | 0 | 0 |  |
| 92.6\% |  |  |  |  |
| 93.5\% | 0 | 0 | 0 |  |
| ${ }_{96.3 \%}^{95.1 \%}$ | 0 | 0 | 0 |  |
| 97.5\% |  | 0 | 0 |  |
| 98.8\% 100.0\% |  | 0 | 0 0.0 |  |


| $\underset{\substack{\text { Pexceent } \\ \text { Procoabability }}}{\text { Pren }}$ | No Action Altemative Alterative D |  | $\begin{gathered} \text { Absolute } \\ \text { difterence } \\ \text { (CFSS) } \end{gathered}$ | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ | $\begin{aligned} & \text { Percent } \\ & \text { Exceedance } \\ & \text { Probability } \end{aligned}$ | No Action Alternative <br> Monthly Diversion | December |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Alterative D |  |  |  | Absolute | Relative |
|  | Monthly Diversion (CFS) | Monthy Diversion (CFSS) |  |  |  |  | Monthy Diversion (CFSS | $\begin{gathered} \text { Difference } \\ (C F S) \end{gathered}$ | Difference (\%) |
| -0.0\% | 0 | 0 |  | 0 |  | 0.0\% | 1659 | 1820 | 161 | 9.7\% |
| 1.2\% | 0 | 0 | 0 |  | 1.2\% | 1365 | 1623 | 259 |  |
| 2.5\% | 0 | 0 | 0 |  | 2.5\% | 907 | 1586 | 679 | 74.8\% |
| 3.7\% | 0 | 0 | 0 |  | 3.7\% | ${ }_{6}^{617}$ | ${ }_{223} 72$ | 106 | 17.2\% |
| 4.9\% | 0 | 0 | 0 |  | 4.9\% | 377 | 286 | $-91$ | -24.1\% |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | 150 | 218 | 68 | 45.3\% |
| 7.4\% | 0 | 0 | 0 |  | 7.4\% | 70 | 170 | 100 | 143.1\% |
| 8.9\% | 0 | 0 | 0 |  | 8.9\% | 6 | 159 | 153 |  |
| 9.9\% | 0 | 0 | 0 |  | 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  | 11.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  | 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  | 13.6\% | 0 | 0 | 0 |  |
| -14.8\% | 0 | 0 | 0 |  | 14.8\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  | 16.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  | 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| - ${ }_{\text {21.0\% }}^{2020}$ | 0 | 0 | 0 |  | ${ }_{-2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 22.2\% ${ }^{23.5}$ | 0 | 0 | 0 |  | ${ }^{22.2 \%}$ 2.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 |  | 0 |  | ${ }^{24.7 \%}$ | 0 | 0 | 0 |  |
| 25.9\% | 0 | O | 0 |  | 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  | 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | - | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| 29.6\% $30.9 \%$ | 0 | 0 | 0 |  | 29.6\% | 0 | 0 | 0 |  |
| - ${ }^{30.9 \%}$ | 0 | 0 | 0 |  | ${ }^{30.9 \%}$ 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 |  | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 33.8\% | 0 | 0 | 0 |  | 35.8\% | 0 | 0 | 0 |  |
| 337.0\% | 0 | 0 | 0 |  | 等37.0\% | 0 | 0 | 0 |  |
| 39.5\% |  | O | 0 |  | 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 |  | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| - $4.3 .2 \%$ | 0 | 0 | 0 |  | 43.2\% | 0 | 0 | 0 |  |
| - $44.4 \%$ | 0 | 0 | 0 |  | -44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  | 45.7\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | O | 0 |  | 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  | 49.4\% | 0 | 0 | 0 |  |
| 50.9\% | 0 | 0 | 0 |  | - 50.6 \% ${ }^{\text {51.9\% }}$ | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  | 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  | 54.3\% | 0 | 0 | 0 |  |
| - $\begin{aligned} & 55.5 \% \\ & 56.8 \%\end{aligned}$ | 0 | 0 | 0 |  | -55.6\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  | 56.8\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | O |  |  | 59.3\% | 0 | 0 | 0 |  |
| 6.5.5\% | 0 |  | 0 |  | 6.5.5\% | 0 | 0 | 0 |  |
| -61.7\% | 0 | 0 | 0 |  | - $61.7 \%$ | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 |  |  | 64.2\% | 0 | 0 | 0 |  |
| ${ }^{65.4 \%}$ | 0 | O | 0 |  | -65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 |  | $\bigcirc$ |  | - $66.7 \%$ | 0 | 0 | 0 |  |
| 69.1\% | 0 |  | 0 |  | 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | O | 0 |  | 70.4\% | 0 | 0 | 0 |  |
| 7.2.8\% | 0 |  |  |  |  |  |  | 0 |  |
| 714.1\% | 0 | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| -75.3\% | 0 | 0 | 0 |  | -75.3\% | 0 | 0 | 0 |  |
| 77.8\% | 0 |  |  |  |  |  |  |  |  |
| 79.0\% | 0 | 0 | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| - ${ }^{80.2 \%}$ | 0 | 0 | 0 |  | - ${ }_{\text {80.2\% }}$ | 0 | 0 | 0 |  |
| 827\% | 0 |  |  |  | 82.7\% | 0 |  | 0 |  |
| 84.0\% | 0 | 0 | 0 |  | 84.0\% | 0 | 0 | 0 |  |
| - $85.2 \%$ | 0 | 0 | 0 |  | 85.2\% | 0 | 0 | 0 |  |
| 877\% | 0 |  |  |  | 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  | 88.9\% | 0 | 0 | 0 |  |
| -90.1\% | 0 | 0 | 0 |  | 90.14\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 |  |  | 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.8 \%} 9$ | 0 | 0 | 0 |  | 933.8\% | 0 | 0 | 0 |  |
| ${ }_{9}^{95.3 \%}$ | 0 | 0 | 0 |  | 95.1\% | 0 | 0 | 0 |  |
| -97.5\% | 0 | 0 | 0 |  | 97.5\% | 0 | 0 | 0 |  |
| - $900.0 \%$ | 0.0 | 0.0 | 0.0 |  | 100.0\% | 0.0 | 0.0 | 0.0 |  |


| $\begin{gathered} \text { Percent } \\ \begin{array}{c} \text { Exceedance } \\ \text { Probability } \end{array} \end{gathered}$ | January |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Atemative | Alterative D | $\begin{gathered} \text { Absolute } \\ \text { Differenere } \\ \text { (CFS) } \end{gathered}$ |  |
|  | Monthly Diversion | Monthy Diversion |  |  |
| 0.0\% | ${ }_{563}$ | ${ }_{5508}$ | ${ }^{126}$ | 2.2\% |
| 1.2\% | 4956 | 4950 | ${ }^{-6}$ | 0.1\% |
| 2.5\% | 4426 | 3390 | 1036 | 23.4\% |
| 3.7\% | 1331 | 1595 | 264 |  |
| 4.9\% | 1271 | 122 | . 5 |  |
| 6.2\% | 1147 | 1084 | 63 |  |
| 7.4\% | 807 | 704 | 103 | 12.8\% |
| 8.6\% | 492 | 399 | -93 | \% |
| 9.9\% | 408 | 206 | 202 |  |
| 11.1\% | 255 | 107 | 148 |  |
| 12.3\% | 135 | 86 | 50 |  |
| 13.6\% | ${ }^{131}$ | ${ }^{73}$ | ${ }^{58}$ | -44.4\% |
|  | 25 |  |  |  |
| 17.3\% | ${ }_{21}^{25}$ | 30 | $\stackrel{8}{21}$ | -100.0\% |
| 18.5\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
|  |  |  |  |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 |  |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% 42. | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% \% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% ${ }^{98.8 \%}$ | 0 | 0 | 0 |  |
| - $10.80 \%$ | 0.0 | 0.0 | 0.0 |  |

Table SW-49-9

| Percent | February |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altemative D | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthy Diversion | Monthly Diversion | Difierence (cFs) | Difference (\%) |
| 0.0\% | ${ }_{1}$ (CFS) 366 | ${ }_{1}^{\text {(CFS) }} 12368$ | 2 | 0.0\% |
| 1.2\% | 6536 | 6981 | 445 | 6.8\% |
| 2.5\% | 5493 | 5066 | 427 | -7.8\% |
| 3.7\% $4.9 \%$ | 2709 2095 | $\begin{array}{r}2715 \\ 1922 \\ \hline\end{array}$ | $\stackrel{6}{-173}$ | - ${ }_{\text {0.3\% }}$ |
| 年.9\%\% | ${ }^{2095}$ | 1922 | - 173 | -8.3\% |
| 7.4\% | 1642 1220 | 1269 1261 | - 42 42 | - ${ }_{\text {22.7\% }}$ |
| 8.6\% | 957 | 895 | -62 | -6.4\% |
| 9.9\% | 888 | 665 | 224 | 25.2\% |
| 11.1\% | ${ }_{391}^{763}$ | ${ }_{287}^{439}$ | - 324 | -42.4\% |
| ${ }^{1.3 .3 \%}$ | 120 | ${ }_{77} 28$ | ${ }^{-43}$ | -36.1\% |
| 14.8\% | $6^{63}$ | 75 | 12 | 19.3\% |
| -16.0\% | 50 41 | 32 30 | -19 | -37.0\% |
| 18.5\% | 0 | O | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
| ${ }^{22.35 \%}$ | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
|  | 0 | 0 |  |  |
| 33.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 年38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\%\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 55.9\%\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\%\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 |  |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| 6.4\% | 0 | 0 | 0 |  |
| 66.9\% | 0 | 0 |  |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% 7 | 0 | 0 | 0 |  |
| 72.8\% |  | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| ${ }^{75.3 \% \%}$ | 0 | 0 | 0 |  |
| 77.8\% |  | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| ${ }^{80.2 \% \%}$ | 0 | 0 | 0 |  |
| 82.7\% |  | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 88.2\% ${ }^{8.4 \%}$ | 0 | 0 | 0 |  |
| 877.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 99.14\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 99.3\% | 0 | 0 | 0 |  |
| 998.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



Table Ew.49.9b

| $\begin{gathered} \text { Percent } \\ \text { Exceedance } \\ \text { Probability } \end{gathered}$ | June |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative D | $\begin{aligned} & \text { Absolute } \\ & \text { Difference } \\ & \text { (CFSS) } \end{aligned}$ |  |
|  | Monthly Diversion | Monthly $\mathbf{C}$ Diversion (FFS |  |  |
| 0.0\% |  |  | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 191.19\% | 0 | 0 | 0 |  |
| ${ }^{12.3 \%}$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - $16.0 \%$ | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.2 \%}$ 2.5\% | 0 | 0 | 0 |  |
| ${ }^{23.4 \% \%}$ | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 |  | 0 |  |
| 28.4\% ${ }_{\text {29,6\% }}$ | 0 | 0 | 0 |  |
| 29.6\% | 0 |  | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 33.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% 4.4 | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| $45.7 \%$ $46.9 \%$ | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% $51.9 \%$ | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  |
| 61.7\% <br> $6.0 \%$ | 0 | 0 | 0 |  |
| - $63.0 \%$ | 0 | 0 | 0 |  |
| 65.4\% |  | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% |  |  | 0 |  |
| 69.1\% | 0 | 0 |  |  |
| 71.6\% | 0 | 0 |  |  |
| -72.8\% |  |  | 0 |  |
| 74.1\% | 0 | 0 |  |  |
| 75.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 79.0\% | 0 |  | 0 |  |
| - $80.2 \%$ | 0 |  | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% <br> $84.0 \%$ | 0 | 0 | 0 |  |
| 85.2\% | 0 |  |  |  |
| 86.4\% | 0 | 0 | 0 |  |
| 887.7\% | 0 | 0 | 0 |  |
| 90.1\% | 0 |  |  |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| - 93.85 | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 98.8\% 100.0\% | 0.0 |  | 0.0 |  |


| $\begin{gathered} \text { Percent } \\ \begin{array}{c} \text { Exceedance } \\ \text { Probability } \end{array} \end{gathered}$ | July |  |  |  | August |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No Action Alterative | Alterative D | $\begin{gathered} \text { Absiolute } \\ \text { difference } \\ \text { (Coss) } \end{gathered}$ | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |  | No Action Alternative <br> Monthly Diversion <br> (CFS) | Alternative DMonthly Diversion <br> (CFS) | $\begin{gathered} \text { Absolute } \\ \text { difference } \\ \text { (CFSS) } \end{gathered}$ | $\begin{aligned} & \text { Relative } \\ & \text { Difference }(\%) \end{aligned}$ |
|  | Monthy Diversion | Monthly $\mathbf{P}$ İersion |  |  |  |  |  |  |  |
| (\%) | (CFS) | (CFFS) | ( |  |  |  |  |  |  |
| 1.2\% | 0 | 0 | 0 |  | 1.2\% | 0 | 0 | 0 |  |
| - | 0 | 0 | 0 |  | - | 0 | 0 | 0 |  |
| 3.9\% | 0 | 0 | 0 |  | 3.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  | 6.2\% | 0 | 0 |  |  |
| 7.4\% | 0 | 0 | 0 |  | 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  | 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  | 9.9\% | 0 | 0 | 0 |  |
| ${ }^{11.14 \%}$ | 0 | 0 | 0 |  | 11.1\% | 0 | 0 | 0 |  |
| ${ }^{12.3 \%}$ | 0 | 0 | 0 |  | 12.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  | - $13.6 \%$ \% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  | 16.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  | 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  | 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  | 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  | 21.0\% | 0 | 0 | 0 |  |
| ${ }^{22.25 \%}$ | 0 | 0 | 0 |  | 22.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  | 24.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  | 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  | 27.2\% | 0 | 0 | 0 |  |
| ${ }^{28.49 \%}$ | 0 | 0 | 0 |  | 28.4\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  | 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  | 32.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  | 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  | 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  | 35.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  | 37.3\% | $\bigcirc$ | 0 | 0 |  |
| 39.5\% |  | 0 | 0 |  | 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  | 40.7\% | 0 | 0 | 0 |  |
| - $42.0 \%$ | 0 | 0 | 0 |  | 42.0\% | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  | 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  | 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  | 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  | ${ }^{48.1 \%}$ | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  | 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  | 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  | 53.1\% | 0 | 0 | 0 |  |
| $54.3 \%$ $55 \%$ 5 | 0 | 0 | 0 |  | 54.3\% | 0 | 0 | 0 |  |
| 55.8\% | 0 | 0 | 0 |  | 55.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  | 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  | 59.3\% | 0 | 0 | 0 |  |
| 60.5\% | 0 | 0 | 0 |  | 60.5\% | 0 | 0 | 0 |  |
| 63.0\% |  | 0 |  |  | 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  | 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  | 65.4\% | 0 | 0 | 0 |  |
| 66.7\% $679 \%$ | 0 | 0 | 0 |  | ${ }^{66.7 \%}$ | 0 | 0 | 0 |  |
| 69.1\% |  | 0 | 0 |  | 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  | 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  | 71.6\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  | 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | O | 0 | 0 |  | 75.9\% | 0 | 0 | 0 |  |
| 76.7.8\% | 0 | 0 | 0 |  | 76.5\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  | 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  | 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  | 81.5\% | 0 | 0 | 0 |  |
| 822.7\% | 0 | 0 | 0 |  | 82.7\% | 0 | 0 | 0 |  |
| 85.2\% | 0 |  |  |  | 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  | 86.4\% | 0 | 0 | 0 |  |
| 877\%\% | 0 | 0 | 0 |  | 87.7\% | 0 | 0 | 0 |  |
| ${ }^{80.1 \%}$ | 0 | 0 | 0 |  | 980.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  | 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | O | 0 |  |  | 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.85 \%}$ | 0 | 0 | 0 |  | 995.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  | 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  | 97.5\% | 0 | 0 | 0 |  |
|  | 0.0 | 0 | 0 |  | 98.8\% $100.0 \%$ | 0 0.0 | 0.0 | 0 0.0 |  |



| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulition Period' |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 59 | 283 | 467 | 240 | 32 | 0 | 0 | 0 | 0 | 0 |
| Altemaive ${ }^{\text {D }}$ | 0 | 0 | 73 | 272 | 453 | 222 | 31 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 15 | -11 | -14 | -18 | -1 | 0 | 0 | 0 | 0 | 0 |
| Percent bifference? |  |  | 24.8\% | -4.0\% | -3.0\% | -7.5\% | -2.8\% |  |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet $(32 \%)$ |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 42 | 829 | 1367 | 690 | 83 | 0 | 0 | 0 | 0 | 0 |
| Altemalive ${ }^{\text {D }}$ | 0 | 0 | 49 | 811 | 1336 | 651 | 83 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 8 | -18 | -31 | -39 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perent Difteence |  |  | 18.3\% | -2.1\% | -2.3\% | -5.7\% | 0.4\% |  |  |  |  |  |
| Abve Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Altenative | 0 | 0 | 7 | 139 | 229 | 147 | 38 | 0 | 0 | 0 | 0 | 0 |
| Altemalive D | 0 | 1 | 20 | 99 | 195 | 109 | 31 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 1 | 13 | -41 | -34 | -38 | -7 | 0 | 0 | 0 | 0 | 0 |
| Pereent Diffeence |  |  |  | -29.2\% | -14.7\% | -26.0\% | -17.9\% |  |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altenative | 0 | 0 | 94 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemaive D | 0 | 0 | 102 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 8 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perent Diffeence |  |  | 8.6\% | 108.3\% |  |  |  |  |  |  |  |  |
| Dry (224\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Altemative | 0 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemative D | 0 | 0 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pereent Difterence |  |  | 30.9\% |  |  |  |  |  |  |  |  |  |
| Critical (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| NoAction Altenative | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alemalive ${ }^{\text {D }}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen Diffeence |  |  |  |  |  |  |  |  |  |  |  |  |

Basedon onte 82 -vear simulation peefiod
dele
3 Realive diffeence of the monthy yverage


Figure SW-50-9b
Moulton Weir Spills into Sutter Bypass, Monthly Diversion


Table SW－50－9b
Moutton Weir Spills into Suturer Bypass Monthy Diversion

| Percentxceedance | Octob |  |  | $\begin{gathered} \text { Relative } \\ \text { Difference (\%) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altemative D | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
| Probability | Montly $\begin{aligned} & \text { Diversion } \\ & \text {（CFs）}\end{aligned}$ | Monthly Diversion （CFS） |  |  |
| 0．0\％ | （lefs） | 0 |  |  |
| 1．2\％ | 0 | 0 | 0 |  |
| 2．5\％ | 0 |  | 0 |  |
| 3．7\％\％ | 0 | 0 | 0 |  |
| 6．2\％ | 0 | 0 | 0 |  |
| 7．4\％ | 0 |  | 0 |  |
| 9．9\％ | 0 | 0 | 0 |  |
| 11．1\％ | 0 | 0 | 0 |  |
| 12．3\％ $13.6 \%$ | 0 | 0 | 0 |  |
| － $11.8 .8 \%$ | 0 | 0 | 0 |  |
| 16．0\％ | 0 | 0 | 0 |  |
| ＋${ }^{\text {17．3\％}}$ 17．5\％ | 0 | 0 | 0 |  |
| 18．5\％${ }^{19.8}$ | 0 | 0 | 0 |  |
| 21．0\％ | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 224．7\％ | 0 | 0 | 0 |  |
| 25．9\％ | 0 | 0 | 0 |  |
| 28．4\％ | 0 | 0 | 0 |  |
| 20．6\％ | 0 | 0 | 0 |  |
| 30．9\％ | 0 | 0 | 0 |  |
| 33．3\％ | 0 | 0 |  |  |
| 34．6\％ | 0 | 0 | 0 |  |
| 35．8\％ | 0 | 0 | 0 |  |
| 38．3\％ | 0 | 0 |  |  |
| 33．5\％ | 0 | 0 | 0 |  |
| 40．7\％ | 0 | 0 | 0 |  |
| 42．0\％\％ | 0 | 0 |  |  |
| 44．4\％ | 0 | 0 | 0 |  |
| 4．7\％\％ | 0 | 0 | 0 |  |
| 46．9\％\％ | 0 | 0 |  |  |
| 49．4\％ | 0 | 0 | 0 |  |
| 55．9\％ | 0 | 0 | 0 |  |
| 55．1\％ | ${ }_{0}^{0}$ | 0 |  |  |
| 54．3\％ | 0 | 0 | 0 |  |
| 55．6\％ | 0 | 0 | 0 |  |
| 558．0\％ | 0 | 0 |  |  |
| 59．3\％ | 0 | 0 | 0 |  |
| ${ }^{6.50 \%}$ | 0 | 0 | 0 |  |
| 63．0\％ | 0 | 0 |  |  |
| 64．2\％ | 0 | 0 | 0 |  |
| 㐌．4\％\％ | 0 | 0 | 0 |  |
| 66．9\％ | 0 | 0 | 0 |  |
| 69．1\％ | 0 | 0 | 0 |  |
| 70．4\％ | 0 | 0 | 0 |  |
| 772．8\％ | 0 | 0 |  |  |
| 74．1\％ | 0 | 0 | 0 |  |
| 7．3\％ | 0 | 0 | 0 |  |
| 77．8\％ | 0 | 0 | 0 |  |
| 79．0\％ | 0 | 0 | 0 |  |
| 80．2\％ | 0 | 0 | 0 |  |
| 82．7\％ |  |  |  |  |
| 84．0\％ | 0 | 0 | 0 |  |
| 85．2\％${ }^{86.4 \%}$ | 0 | 0 | 0 |  |
| 87．7\％ |  |  |  |  |
| 88．9\％ | 0 | 0 | 0 |  |
| 90．14\％ | 0 | 0 | 0 |  |
| 92．6\％ |  |  | 0 |  |
| 93．8\％ | 0 | 0 | 0 |  |
| 95．1\％${ }_{96}$ | 0 | 0 | 0 |  |
| 99．5\％ | 0 | 0 | 0 |  |
| 98．8\％ 100．0\％ | 0.0 | 0 | 0 |  |


|  |  | November |  |  | December |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent Exceedance | No Action Altemative | Alterative D | Absolute |  | ${ }_{\text {Exceedance }}^{\substack{\text { Perent }}}$ | No Action Alternative | Alterative D | Absolute |  |
| Probability | Monthly Diversion | Monthly Diversion | Difiference ${ }_{\text {（CFS）}}$ | Difference（\％） | Probability | Monthly Diversion | Monthly Diversion | Difference | Difference（\％） |
| $\frac{(\%) 9}{0.0 \%}$ | 0 | 10 | 10 |  | 0．0\％ | ${ }_{1010}$ | ${ }_{1}^{1334}$ | 324 | 32．1\％ |
| 1．2\％ | 0 | 0 | 0 |  | 1．2\％ | 1009 | 1217 |  |  |
| 25\％ | 0 | 0 | 0 |  | 2．5\％ | 969 |  | 133 |  |
| 3．7\％ | 0 | 0 | 0 |  | 3．7\％ | 839 | 920 | 81 | 9．7\％ |
| 4．9\％ | 0 | 0 | 0 |  | 4．9\％ | 494 | 514 | 20 | 4．1\％ |
| 7．4\％ | 0 | 0 | 0 |  | ${ }^{6.4 \%}$ | ${ }_{74} 7$ | ${ }_{230}^{436}$ | ${ }_{156}^{86}$ | ${ }_{210}^{24.5 \%}$ |
| 8．6\％ | 0 | 0 | 0 |  | 8．6\％ | 53 | 144 | 92 | 175．1\％ |
| 9．9\％ | 0 | 0 | 0 |  | 9．9\％ | 28 | 77 | 49 | 177．1\％ |
| 12．3\％ | 0 | 0 | 0 |  | ${ }^{11.12 \%}$ | 0 | 36 10 | 36 10 |  |
| 13．6\％ | 0 | 0 | 0 |  | 13．6\％ | 0 | 0 | 0 |  |
| 14．8\％ | 0 | 0 | 0 |  | 14．8\％ | 0 | 0 | 0 |  |
| 16．0\％\％ | 0 | 0 | 0 |  | － $16.0 \%$ | 0 | 0 | 0 |  |
| 18．5\％ | 0 | 0 | 0 |  | 18．5\％ | 0 | 0 | 0 |  |
| 19．8\％ | 0 | 0 | 0 |  | 19．8\％ | 0 | 0 | 0 |  |
| ${ }^{21.0 \%}$ | 0 | 0 | 0 |  | ${ }^{21.0 \%}$ | 0 | 0 | 0 |  |
| ${ }^{22.2 .5 \%}$ | 0 | 0 | ${ }_{0}^{0}$ |  | 22．2\％ | 0 | 0 | 0 |  |
| 24．7\％ | 0 | 0 | 0 |  | 24．7\％ | 0 | 0 | 0 |  |
| 25．9\％ | 0 | 0 | 0 |  | － $2.59 \%$ | 0 | 0 | 0 |  |
| ${ }^{28.4 \%}$ | 0 | 0 | 0 |  | 28．4\％ | 0 | 0 | 0 |  |
| 29．6\％ | 0 | 0 | 0 |  | 29．6\％ | 0 | 0 | 0 |  |
| 30．3．${ }^{30.1 \%}$ | 0 | 0 | 0 |  | 30．9\％ | 0 | 0 | 0 |  |
| 33．3\％ | 0 | 0 | 0 |  | 33．3\％ | 0 | 0 | 0 |  |
| $34.6 \%$ $35.8 \%$ | 0 | 0 | 0 |  | 34．6\％ | 0 | 0 | 0 |  |
| 37．0\％ | 0 | 0 | 0 |  | 37．0\％ | 0 | 0 | 0 |  |
| ${ }_{\text {3 }}^{38.5 \%}$ | 0 | 0 | 0 |  | 隹 $38.3 \%$ | 0 | 0 | 0 |  |
| 40．7\％ | 0 | 0 | 0 |  | 40．7\％ | 0 | 0 | 0 |  |
| 42．0\％ | 0 | 0 | 0 |  | 42．0\％ | 0 | 0 | 0 |  |
| ${ }^{43.4} 4.4 \%$ | 0 | 0 | 0 |  | ${ }^{43.2 \%}$ | 0 | 0 | 0 |  |
| 45．7\％ | 0 | 0 | 0 |  | 45．7\％ | 0 | 0 | 0 |  |
| 48．1\％ | 0 | 0 | 0 |  | ${ }^{46.9 \%}$ | 0 | 0 | $\bigcirc$ |  |
| 4．4．\％ | 0 | 0 | 0 |  | 49．4\％ | 0 | 0 | 0 |  |
| ${ }_{\text {5 }}^{50.6 \%}$ | 0 | 0 | 0 |  | 50．6\％ | 0 | 0 | 0 |  |
| 55．1．\％ | 0 | 0 | 0 |  | 53．1\％ | 0 | 0 | 0 |  |
| 54．3\％ | 0 | 0 | 0 |  | 54．3\％ | 0 | 0 | 0 |  |
| 55．6\％ | 0 | 0 | 0 |  | 55．6\％ | 0 | 0 | 0 |  |
| 55．0\％ | 0 |  | 0 |  | 58．0\％ | 0 | 0 | 0 |  |
| 59．3\％ | 0 | 0 | 0 |  | 59．3\％ | 0 | 0 | 0 |  |
| 6．6．7\％ | 0 | 0 | 0 |  |  | 0 | 0 | 0 |  |
| 63．0\％ | 0 | 0 | 0 |  | 63．0\％ |  |  | 0 |  |
| 64．2\％ | 0 | 0 | 0 |  | 64．2\％ | 0 | 0 | 0 |  |
| 65．4\％ | 0 | 0 | 0 |  | 65．4\％ | 0 | 0 | 0 |  |
| 67．9\％ | 0 | 0 | 0 |  | 67．9\％ | 0 | 0 | 0 |  |
| 69．1\％ | 0 | 0 | 0 |  | 69．1\％ | 0 | 0 | 0 |  |
| 70．4\％ | 0 | 0 | 0 |  | 70．4\％ | 0 | 0 | 0 |  |
| 72．8\％ | 0 |  | 0 |  | 72．8\％ | 0 | 0 | 0 |  |
| 74．1\％ | 0 | 0 | 0 |  | 74．1\％ | 0 | 0 | 0 |  |
| 75．3\％ | 0 | 0 | 0 |  | 75．3\％ | 0 | 0 | 0 |  |
| 76．5\％ | 0 | 0 | 0 |  | 76．5\％ | 0 | 0 | 0 |  |
| 79．0\％ | 0 | 0 | 0 |  | 79．0\％ | 0 | 0 | 0 |  |
| 80．2\％ | 0 | 0 | 0 |  | 80．2\％ | 0 | 0 | 0 |  |
| 81．5\％ | 0 | 0 | 0 |  | 81．5\％ | 0 | 0 | 0 |  |
| 82．7\％ | 0 | 0 | 0 |  | 82．7\％ | 0 | 0 | 0 |  |
| 885．2\％ | 0 | 0 | 0 |  | 84．0\％ | 0 | 0 | 0 |  |
| 88．4\％ | 0 | 0 | 0 |  | 86．4\％ | 0 | 0 | 0 |  |
| 87．7\％ | 0 | 0 | 0 |  | 87．7\％ | 0 | 0 | 0 |  |
| 88．9\％ | 0 | 0 | 0 |  | 88．9\％ | 0 | 0 | 0 |  |
| 90．1\％ | 0 | 0 | 0 |  | 90．1\％ | 0 | 0 | 0 |  |
| 991．4\％ | 0 | 0 | 0 |  | 91．4\％ | 0 | 0 | 0 |  |
| 993．8\％ | 0 | 0 | 0 |  | 93．8\％ | 0 | 0 | 0 |  |
| 95．1\％ | 0 | 0 | 0 |  | 95．1\％ |  | 0 | 0 |  |
| 96．3\％ | 0 | 0 | 0 |  | 96．3\％ | 0 | 0 | 0 |  |
| 98．8\％ | 0 |  | 0 |  | 98．8\％ | 0 | 0 | 0 |  |
|  |  |  |  |  |  |  |  |  |  |


| $\underset{\substack{\text { Perecent } \\ \text { Exceenace } \\ \text { Prohbility }}}{\substack{\text { and }}}$ | January |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Alterative D |  | Realative |
|  | Monthly Diversion | Monthy Diversion | Difference | Difference（\％） |
| （\％） | （CF5） | （CF5） |  |  |
|  |  | 551 | －25 | －0．4\％ |
| ${ }^{1.25 \%}$ | 3947 | ${ }_{365}^{365}$ | － 294 |  |
| ${ }^{2.5 \%}$ | ${ }^{2312}$ | 2411 | 201 |  |
| 4．9\％ | 1658 | ${ }_{1422}$ | ${ }_{236}$ | －14．2\％ |
| 6．2\％ | 1025 | 1256 | ${ }^{231}$ | 22．5\％ |
| 7．4\％ | 1003 | 1127 | 124 |  |
| 8．6\％ | 890 | 899 | 9 |  |
| 9．9\％ | 594 | 681 | 87 |  |
| 11．1\％ | 571 | 422 | 149 | 6．0\％ |
| ${ }^{12.3 \%}$ | 446 | 396 | －50 | 11．2\％ |
| 123\％ 14．8\％ | ${ }_{414}^{444}$ | 380 379 | －${ }^{-64}$ | － |
| 16．0\％ | 309 | 374 | 65 | 21．1\％ |
| 17．3\％ | 213 | 65 | 148 |  |
| 18．5\％ | 77 | 48 | 29 |  |
| 19．8\％ | 53 | 45 | －8 |  |
| 21．0\％ | 47 | ${ }^{38}$ | －9 | －18．7\％ |
| ${ }^{22.2 .2 \%}$ | 26 18 | 29 21 | 3 | 8．14\％ 14．2\％ |
| 24．7\％ | 10 | 0 | －10 |  |
| 25．9\％ | 0 | 0 | 0 |  |
| 27．2\％ | 0 | 0 | 0 |  |
| 28．4．\％ | 0 | 0 | 0 |  |
| 30．9\％ | 0 | 0 | 0 |  |
| 32．1\％ | 0 | 0 | 0 |  |
| 33．3\％ | 0 | 0 | 0 |  |
| 34．6\％ | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 38．3\％ | 0 | 0 | 0 |  |
| 39．5\％ | 0 | 0 | 0 |  |
| 40．7\％ | 0 | 0 | 0 |  |
| 42．0\％ | 0 | 0 | 0 |  |
| 44．4\％ | 0 | 0 | $\bigcirc$ |  |
| 45．7\％ | 0 | 0 | 0 |  |
| 46．9\％ | 0 | 0 | 0 |  |
| 48．19\％ | 0 | 0 | 0 |  |
| 50．6\％ | 0 | 0 | 0 |  |
| 51．9\％ | 0 | 0 | 0 |  |
| 53．1\％ | 0 | 0 | 0 |  |
| 54．3\％ | 0 | 0 | 0 |  |
| 55．8\％ | 0 | 0 | 0 |  |
| 58．0\％ | 0 | 0 | 0 |  |
| 59．3\％ | 0 | 0 | 0 |  |
| 年 $60.5 \%$ | 0 | 0 | 0 |  |
| 61．3．\％ | 0 | 0 | 0 |  |
| 64．2\％ | 0 | 0 | 0 |  |
| 65．4\％ | 0 | 0 | 0 |  |
| ${ }^{66.7 \%}$ | 0 | 0 | 0 |  |
| 67．1\％ | 0 | 0 | 0 |  |
| 70．4\％ | 0 | 0 | 0 |  |
| 71．6\％ | 0 | 0 | 0 |  |
| 728\％ | 0 | 0 | 0 |  |
| 74．1\％ | 0 | 0 | 0 |  |
| －7．3\％ | 0 | 0 | 0 |  |
| 77．8\％ | 0 | 0 |  |  |
| 79．0\％ | 0 | 0 | 0 |  |
| 80．2\％ | 0 | 0 | 0 |  |
| 81．5\％ | 0 | 0 | 0 |  |
| 822．7\％ | 0 | 0 | 0 |  |
| 85．2\％ | 0 | 0 | 0 |  |
| 86．4\％ | 0 | 0 | 0 |  |
| 87．7\％ | 0 | 0 | 0 |  |
| 88．9\％ | 0 | 0 | 0 |  |
| 91．4\％ | 0 | 0 | 0 |  |
| 92．6\％ |  |  |  |  |
| 93．\％ | 0 | 0 | 0 |  |
| 95．1\％ | 0 | 0 | 0 |  |
| 96．3\％${ }_{\text {97．5\％}}$ | 0 | 0 | 0 |  |
| 98．8\％ | 0 | 0 | 0 |  |
| 100．0\％ | 0.0 | 0.0 | 0.0 |  |

Table SW-50.9b

|  | ebruary |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
| ${ }_{\text {Percent }}^{\substack{\text { Pxceedance }}}$ | No Action Altemative | Aterative D |  |  |
| Probability | Monthly Divesision | Monthly Piversion | Difference (CFS) |  |
| (\%) | (CFF) | (CFS) | -15 |  |
|  |  |  | 5 | -0.2\% |
| 1.2\% | 9304 | 8874 | 431 |  |
| 2.5\% | 5144 | 5282 | 138 |  |
| 3.7\% | 3323 | 3344 | 21 | \%\% |
| 4.9\% | 1751 | 1734 | 17 | -1.0\% |
| 6.2\% | 1559 | 1437 |  |  |
| 7.4\% | 1482 | 1318 | 164 | 11.0\% |
| 8.6\% | 1317 | 1200 | 117 | 8.9\% |
| 9.9\% | 976 | 880 | -96 | 9.9\% |
| 11.1\% | 806 | 702 | 104 |  |
| 12.3\% | 682 | 533 |  |  |
| 13.6\% | 574 | 531 | 44 |  |
| 14.8\% | 510 | 516 | 5 | 1.1\% |
| 16.0\% | 466 | 383 | 83 | -17.7\% |
| $17.3 \%$ $785 \%$ | 290 | 288 | -2 |  |
| $18.5 \%$ $19.8 \%$ | 239 | ${ }^{249}$ | 11 | 4.6\% ${ }_{\text {4, }}$ |
| 19.8\% |  | 183 |  |  |
| ${ }^{21.2 \%}$ | 118 101 | ${ }_{84}^{96}$ | -22 -17 | - |
| 23.5\% | 38 | 66 | ${ }^{27}$ | 70.4\% |
| 24.7\% | 14 | 46 | 32 |  |
| 25.9\% | 0 | ${ }^{27}$ | ${ }^{27}$ |  |
| 27.2\% | 0 | 21 | 21 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| - $\begin{aligned} & 30.9 \% \\ & 32.1 \%\end{aligned}$ | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 335.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| - $43.2 \%$ \% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.8\% | 0 | 0 | 0 |  |
| 56.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 617\% 6 | 0 | 0 | 0 |  |
| 63.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.1.4\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.7\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 |  |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 87.7\% | 0 |  |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 9, $91.4 \%$ | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| - $98.80 \%$ | 0 | 0 | 0.0 |  |



Table sw.5.-9b

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Altemative D | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthy Diversion | Monthly iversion | Difterence | Difference (\%) |
| (\%) | (CFS) | (CFS) | 0 |  |
| 1.2\% | 0 | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| -11.19\% <br> $12.3 \%$ | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| -$16.0 \%$ <br> $17.3 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| ${ }^{23.5 \%}$ | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| 25.7.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.1\% | 0 | 0 | 0 |  |
| 年33.3\% | 0 | 0 | 0 |  |
|  | ${ }_{0}^{0}$ | 0 | 0 |  |
| 357.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.4\%\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 50.9\% | 0 | 0 | 0 |  |
| 53.1\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 |  |  |
| 55.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.5\% | 0 |  |  |  |
| ${ }^{60.17 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
|  | 0 |  |  |  |
| ${ }_{66.7 \%}$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% |  |  |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% |  |  |  |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| ${ }^{85.2 \%}$ | 0 | 0 | 0 |  |
| ${ }^{807.7 \%}$ | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 914.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% |  | 0 | 0 |  |
| 988.8\% | 0.0 | 0 | 0.0 0.0 |  |



| Long-term Average and Average by Water Year Type |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |
|  | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulition Period' |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 7 | 126 | 1329 | 3917 | 5723 | 3523 | 1174 | 68 | 19 | 0 | 0 | 0 |
| Alemaive D | 8 | 126 | 1420 | 3750 | 5415 | 3292 | 1172 | 57 | 18 | 0 | 0 | 0 |
| Diffeence | 1 | -1 | 91 | -167 | -308 | -231 | -2 | -11 | -1 | 0 | 0 | 0 |
| Pareni ifference ${ }^{\text {a }}$ |  |  | 6.9\% | -4.3\% | -5.4\% | -6.6\% | -0.2\% |  |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Wet(32\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 0 | 35 | 1292 | 9956 | 14022 | 8607 | 3195 | 128 | 61 | 0 | 0 | 0 |
| Allemaive D | 0 | 60 | 1417 | 9851 | 13562 | 8282 | 3217 | 103 | 56 | 0 | 0 | 0 |
| Diffeence | 0 | 25 | 126 | -105 | -460 | -324 | 22 | -25 | -5 | 0 | 0 | 0 |
| Perene Diffeence |  |  | 9.7\% | -1.1\% | -3.3\% | -3.8\% | 0.7\% |  |  |  |  |  |
| Above Normal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 0 | 589 | 1240 | 3961 | 5888 | 4959 | 997 | 187 | 0 | 0 | 0 | 0 |
| Allemaive D | 0 | 537 | 1166 | 3305 | 5491 | 4357 | 960 | 169 | 0 | 0 | 0 | 0 |
| Differene | 0 | -51 | -74 | -655 | -397 | -602 | -37 | -18 | 0 | 0 | 0 | 0 |
| Percen Dififeence |  | -8.7\% | -6.0\% | -16.5\% | -6.7\% | -12.1\% | -3.7\% | -9.7\% |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 40 | 75 | 1613 | 716 | 1433 | 83 | 89 | 0 | 0 | 0 | 0 | 0 |
| Allemitive D | 47 | 75 | 1744 | 644 | 1125 | 45 | 69 | 0 | 0 | 0 | 0 | 0 |
| Diffeence | 7 | 0 | 131 | -72 | -308 | -38 | $-20$ | 0 | 0 | 0 | 0 | 0 |
| Percen Diffeence | 18.1\% | -0.3\% | 8.2\% | -10.0\% | -21.5\% | -45.9\% | -22.9\% |  |  |  |  |  |
| Dry $\left(22^{\prime} / 6\right)$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Nooction Alemative | 0 | 75 | 2090 | 256 | 768 | 245 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemaive D | 0 | 69 | 2270 | 147 | 539 | 93 | 0 | 0 | 0 | 0 | 0 | 0 |
| ${ }^{\text {Diffeenee }}$ | 0 | -5 | 180 | -109 | -230 | -152 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent Diffeence |  | -7.0\% | 8.6\% | -42.5\% | -29.9\% | -62.0\% |  |  |  |  |  |  |
| Critica (155\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 0 | 0 | 29 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Allemalive D | 0 | 0 | 29 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 0 | 0 | -12 | -5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percent Diffeence |  |  | 0.3\% | -84.0\% | -38.3\% |  |  |  |  |  |  |  |

Based on the 82 2year
Year tydurologic Classififation (SWRCCB -16441.199 I
3 Realive difference of the monthy vereage


Figure SW-51-9b
Colusa Weir Spills into Sutter Bypass, Monthly Diversion


Colusa Weir Spills into sutere Eypass, Monthly Diversion

| Percent | Ocrober |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altemative | Atemative $D$ | Absolute |  |
| Probability | Monthly Diverion | Monthly Diversion | Difierence (cFs) | Difference (\%) |
| 0.0\% | (CFF5) | ${ }_{660}$ | 101 | 18.1\% |
| 1.2\% | - | 0 | 0 |  |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\% $4.9 \%$ | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.9\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| (11.1\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| - $16.0 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \% \%}$ | 0 | 0 | 0 |  |
| ${ }^{22.35 \%}$ | 0 | 0 | 0 |  |
| 224.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 22.4\%\% | 0 | 0 | 0 |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 334.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.5\%\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\%\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 55.9\%\% | 0 | 0 |  |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\%\% | 0 | 0 |  |  |
| 59.3\% | 0 | 0 | 0 |  |
| ${ }^{60.5 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 |  |  |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }_{\text {c }}^{65.4 \%}$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 |  |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 77.6\%\% |  | 0 |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 77.8\% |  | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 82.7\% |  | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 887.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| ${ }^{96.3 \%}$ | 0 | 0 | 0 |  |
| ${ }_{98.8 \%}^{97.5 \%}$ | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |




|  | ebruary |  |  | Relative |
| :---: | :---: | :---: | :---: | :---: |
| ${ }_{\text {Percent }}^{\substack{\text { Pxceedance }}}$ | No Action Atem | Altemative D |  |  |
| Probability | Monthly Divesision | Monthy Diversion | Difference |  |
| (\%) | (CFS) | (CFFS) |  |  |
|  |  |  | -6 | 0.0\% |
| 1.2\% | 49189 | 48096 | 1093 |  |
| 2.5\% | 33038 | 33483 | 445 | ${ }_{1.3}{ }^{2}$ |
| 3.7\% | 30755 | 31177 | 422 | 1.4\% |
| 4.9\% | 26703 | 25697 | 1007 | 3.8\% |
| 6.2\% | 22915 | 21957 | 958 | 4.2\% |
| 7.4\% | 18664 | 18720 | 56 | 0.3\% |
| 8.6\% | 17950 | 16544 | 1406 |  |
| 9.9\% | 17925 | 16025 | 1899 | 10.6 |
| 11.1\% | 17625 | 15936 | 1689 |  |
| 12.3\% | 17461 | 15855 | 1606 | 2\% |
| 13.6\% | 15972 | 13600 | 2372 | 14.9 |
| 14.8\% | 12659 | 13066 | 407 | 3.2\% |
| 16.7\% | 11444 | 10802 | 642 | 5.6\% |
| 17.3\% | 11105 | 1022 | 884 | $8.0 \%$ |
| 18.5\% | 9984 | 9695 | 289 | 2.9\% |
| 19.8\% | 9724 | 9021 | 702 |  |
| ${ }^{21.0 \%}$ | 9497 | 8958 | . 539 | - $5.74 \%$ |
| 23.5\% |  |  |  |  |
| 24.7\% | 77267 | ${ }_{6663}$ | -605 | 8.9\%\% |
| 25.9\% | 5435 | 6532 | 1097 | 20.2\% |
| 27.2\% | 5428 | 5797 | 369 | 6.8\% |
| 28.4\% | 5342 | 4992 | 350 | 6.6\% |
| 29.6\% | 5275 | 4391 | 884 | 16.8 |
| 30.9\% | 5208 | 3374 | 1834 | 35.2\% |
| 32.1\% | 4943 | 2977 | 1966 | 39.8\% |
| 33.3\% | 3667 | 2879 | -787 | 21.5\% |
| 34.6\% | 2783 | 2778 | -5 | 0.2 |
| 35.7\% | 2667 | 2415 | 252 | -9.4\% |
| 37.0\% | 2603 | 2253 | 350 | 13.5\% |
| 38.3\% | ${ }_{2} 2391$ | 1947 | 444 | 18.6\% |
| 39.5\% | 2311 | 1865 | 446 | -19.3\% |
| 40.7\% | 2307 | 1829 | 478 | 20.7\% |
| 42.0\% | 1990 | 1726 | 264 | -13.3\% |
| 43.4\% | 1940 | 1558 | -381 | -19.7\% |
| 45.7\% | 1681 | 822 | 859 | -51.1\% |
| 46.9\% | 983 | 696 | 287 | -29.2\% |
| 48.1\% | 553 | 457 | . 95 | -17.2\% |
| 49.4\% | 534 | 415 | 119 | 22.2\% |
| 51.9\% | 498 | 394 | -104 | -20.8\% |
| 53.1\% | ${ }_{160} 29$ | 275 99 | ${ }_{-62}$ | -5.2\% |
| 54.3\% | 145 | 93 | ${ }_{5}$ |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 69.5\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| 65.4\% | 0 | 0 | 0 |  |
| 6.7.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 |  |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 79.0\% | 0 | 0 | 0 |  |
| 80.15\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 |  |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 877.7\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 |  |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| ${ }^{93.85 \%}$ | 0 | 0 | 0 |  |
| ${ }^{965.3 \%}$ | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



Colusa Weir Spills into sutuer Bypass, Monthly Diversion

| Percent | June |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Alterative D | ${ }^{\text {Absolute }}$ |  |
| Probability | Monthly (iversion | Monthly Diversion | differenee (CFS) | Difference (\%) |
| ${ }^{(\% .0 \%}$ | ${ }_{\text {( } 1559}$ | ${ }_{1}{ }_{1}$ (1451 | . 122 | .7.8\% |
| 1.2\% | 0 | 0 |  |  |
| 2.5\% | O | O | 0 |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| (14.8\% | 0 | 0 | 0 |  |
| -16.0\% <br> $17.3 \%$ | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| ${ }_{2}^{21.0 \%}$ | 0 | 0 | 0 |  |
| 23.5\% | 0 | 0 | 0 |  |
| 24.7\% | 0 | 0 | 0 |  |
| ${ }^{25.7 .2 \%}$ | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 30.3. ${ }^{30.9 \%}$ | 0 | 0 | 0 |  |
| 年33.3\% | 0 | 0 | 0 |  |
| $34.6 \%$ $35.8 \%$ | 0 | 0 | 0 |  |
| 357.8\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 39.5\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% 44.4 | 0 | 0 | 0 |  |
| 44.4\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.19\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 58.0\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 6.1.7\% | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | $\bigcirc$ | 0 |  |  |
| ${ }_{66.7 \%}$ | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 |  |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 80.2\% | 0 |  | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| ${ }_{86.4 \%}$ | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.19\% | 0 | 0 | 0 |  |
| 9.2.\% | 0 | 0 | 0 |  |
| 93.8\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% ${ }^{98.8 \%}$ | 0 | 0 | 0 |  |
| $\begin{array}{r}\text { 98.8\% } \\ \text { 100.0\% } \\ \hline\end{array}$ | 0.0 | 0 0.0 | 0 |  |



| Monthly Diversion (CFS) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Analysis Period | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Long.term |  |  |  |  |  |  |  |  |  |  |  |  |
| Full Simulition Period ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Noaction Alemalive | 8 | 147 | 1010 | 2248 | 3231 | 2125 | 897 | 89 | 45 | 0 | 0 | 0 |
| Allemative D | 10 | 134 | 985 | 2139 | 3049 | 1948 | 868 | 79 | 45 | 0 | 0 | 0 |
| Diffeene | 1 | -13 | -25 | -109 | -182 | -177 | -29 | -10 | 0 | 0 | 0 | 0 |
| Perenen Diffeence |  | -8.6\% | -2.5\% | -4.8\% | -5.6\% | -8.3\% | -3.2\% | -11.1\% |  |  |  |  |
| Water Year Types ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| We( $32^{2}$ ) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 0 | 98 | 1109 | 5277 | 7193 | 4834 | 2396 | 169 | 143 | 0 | 0 | 0 |
| Allemaive D | 0 | 91 | 1109 | 5196 | 6954 | 4591 | 2348 | 145 | 142 | 0 | 0 | 0 |
| Diffeene | 0 | -7 | -1 | -82 | -239 | $-243$ | -48 | -25 | -1 | 0 | 0 | 0 |
| Percent iffeence |  |  | -0.1\% | -1.5\% | -3.3\% | -5.0\% | -2.0\% |  |  |  |  |  |
| Above Nomal (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemadive | 0 | 511 | 1096 | 2726 | 3647 | 3200 | 767 | 241 | 0 | 0 | 0 | 0 |
| Allemative D | 3 | 436 | 975 | 2393 | 3436 | 2878 | 716 | 227 | 0 | 0 | 0 | 0 |
| Diffeene | 3 | -75 | -120 | -333 | -211 | -322 | -51 | -14 | 0 | 0 | 0 | 0 |
| Perenen iffeence |  | -14.7\% | -11.0\% | -12.2\% | -5.8\% | -10.1\% | -6.7\% | -5.8\% |  |  |  |  |
| Below Nomal (17\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemative | 49 | 101 | ${ }^{1231}$ | 613 | 1293 | 265 | 147 | 0 | 0 | 0 | 0 | 0 |
| Allemative D | 54 | 100 | 1250 | 559 | 1096 | 182 | 110 | 0 | 0 | 0 | 0 | 0 |
| Diffeeree | 5 | -1 | 19 | -53 | -197 | -83 | -37 | 0 | 0 | 0 | 0 | 0 |
| Percent Diffeerne | 10.5\% | -1.3\% | 1.5\% | -8.7\% | -15.2\% | -31.3\% | -25.3\% |  |  |  |  |  |
| Dry $\left(22^{2} \%\right.$ |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemalive | 0 | 110 | 1255 | 278 | 823 | 356 | 0 | 0 | 0 | 0 | 0 | 0 |
| Altemative D | 0 | 113 | 1209 | 178 | 642 | 183 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 4 | -46 | -100 | -181 | -172 | 0 | 0 | 0 | 0 | 0 | 0 |
| Percen Diffeence |  | 3.3\% | -3.7\% | -36.0\% | -22.0\% | -48.5\% |  |  |  |  |  |  |
| Critial (15\%) |  |  |  |  |  |  |  |  |  |  |  |  |
| No Action Alemalive | 0 | 0 | 86 | 67 | 101 | 3 | 0 | 0 | , | , | 0 | 0 |
| Altemaive D | 0 | 0 | 84 | 47 | 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diffeene | 0 | 0 | -3 | -20 | -14 | - 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perenen iffeence |  |  | -3.1\% | -30.0\% | -14.1\% | -100.0\% |  |  |  |  |  |  |

Bssed on the 82 2years simulation nenio
(
3 Realive difference of the monthy verage


Figure SW-52-9b
Tisdale Weir Spills into Sutter Bypass, Monthly Diversion


Tisdale Weir Spills into sutuer Sypass, Monthly Diversion

| Percent | October |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Attemative | Altemative D | $\begin{gathered} \text { Absolute } \\ \text { Difference } \\ \text { (CFSS) } \end{gathered}$ |  |
| oobability | Monthly Diversion | Monthly Diversion |  | $\begin{aligned} & \text { Kerative } \\ & \text { Difference (\%) } \end{aligned}$ |
| \%) | (CFSS) | (CFS) |  |  |
| ${ }^{0.0 \% \%}$ | 685 | 757 | ${ }^{72}$ | 10.5\% |
| 2.5\% | 0 | 0 | ${ }^{31}$ |  |
| 3.7\% | 0 | 0 | 0 |  |
| 4.9\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| 8.6\% | 0 | 0 | 0 |  |
| 9.9\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| 13.6\% | 0 | 0 | 0 |  |
| 14.8\% | 0 | 0 | 0 |  |
| -16.0\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 19.8\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
| 22.2\% | 0 | 0 | 0 |  |
| 224.7\% | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4\% | 0 | 0 | 0 |  |
| 29.6\% | 0 | 0 | 0 |  |
| 332.1\% | 0 | 0 | 0 |  |
| 33.3\% | 0 | 0 | 0 |  |
| 34.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.5\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% | 0 | 0 | 0 |  |
| 44.7\%\% | 0 | 0 | 0 |  |
| 46.79\% | 0 | 0 | 0 |  |
| 48.1\% | 0 | 0 | 0 |  |
| 49.4\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 55.9\%\% | 0 | 0 | 0 |  |
| 54.3\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 56.8\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| 61.7\% | 0 | 0 | 0 |  |
| 年.3.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }^{65.4 \%}$ | 0 | 0 | 0 |  |
| 667.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 |  |  |  |
| 71.6\% | 0 | 0 | 0 |  |
| 72.8\% | 0 | 0 | 0 |  |
| 74.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 |  |  |
| 79.0\% | 0 | 0 | 0 |  |
| - $80.2 \%$ \% | 0 | 0 | 0 |  |
| 882.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| 85.2\% | 0 | 0 | 0 |  |
| 887.7\% | 0 | 0 | 0 |  |
| 887.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 |  |  |  |
| ${ }^{91.4 \%}$ | 0 | 0 | 0 |  |
| ${ }_{993.8 \%}^{92.6 \%}$ | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 99.3\% |  | - | 0 |  |
| 998.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |




|  | ebruary |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | No Action Altem | Altemative D |  |  |
| Probability | Monthly Divesision | Monthly Piversion | Difference | Difference (\%) |
| (\%) | (CFSS) | (CFS) | 3 |  |
|  |  | 矿 | . | 0.0\% |
| 1.2\% | 18159 | 17958 | 201 |  |
| 2.5\% | 15350 | 15599 | 248 | 1.6\% |
| 3.7\% | 13328 | 13486 | 158 | 1.2\% |
| 4.9\% | 11640 | 11619 | ${ }^{21}$ |  |
| 6.2\% | 10925 | 10615 | 309 | 2.8\% |
| 7.4\% | 10864 | 10023 | 841 | 7\% |
| 8.6\% | 10452 | 9750 | 703 | 6.7\% |
| 9.9\% | 10203 | 9626 | 577 | 5.7\% |
| 11.1\% | 9890 | 9131 | 759 | 7.7\% |
| 12.3\% | 8871 | 9002 | 131 | 1.5\% |
| 13.6\% | 8858 | 8680 |  | 2.0\% |
| 14.8\% | 7839 | 8084 | 245 | 3.1\% |
| 16.0\% $17.3 \%$ | 6949 | 6724 |  | 3.2\% |
| - ${ }^{17.35 \%}$ | 6880 6738 | 6016 5963 | 864 <br> 75 | ${ }^{-12.6 \%}$ |
| 19.8\% | 6425 | 5631 | ${ }_{793}$ | -12.4\% |
| 21.0\% | ${ }^{6243}$ | 5545 | 697 | -11.2\% |
|  | 6027 | 5491 | .536 | 8.9\% |
| ${ }^{23.5 \%}$ | $\begin{array}{r}5332 \\ 5325 \\ \hline\end{array}$ | 4954 | 379 | -7.1\% ${ }_{-9} .10$ |
|  |  |  | -487 |  |
| 27.2\% | 4221 | 4535 | 313 | 7.4\% |
| 28.4\% | 4202 | 4305 | 103 | 2.4\% |
| 29.6\% | 4164 | 3502 | 662 | 15.9 |
| 30.9\% | 3976 | 2947 | 1029 | -25.9\% |
| 32.1\% | 3709 | 2779 | -930 | 25.1 |
| 33.3\% | 3409 | 2774 | 635 | -18.6\% |
| 34.6\% | 3214 | 2675 | 539 | -16.8\% |
| 35.8\% | 3121 | 2517 | 605 | -19.4\% |
| 37.0\% | 2867 | 2446 | 421 | -14.7\% |
| 38.3\% | 2787 | 2414 | 374 | -13.4\% |
| 39.5\% | 2531 | 2399 | 133 | 5.2\% |
| 40.7\% | 2503 | 2194 | 308 | -12.3\% |
| 42.0\% | 2452 | 2177 | -275 | -11.2\% |
| 43.2\% | 2444 | 1897 | 547 | 22.4\% |
| $44.4 \%$ $45.7 \%$ | 1429 | 1376 | -52 | -3.7\% |
| 45.7\% | 1202 | 1040 | -162 | -13.5\% |
| ${ }^{46.1 \%}$ | ${ }_{1064}$ | ${ }_{932}$ | -132 | ${ }^{-13.2 \%}$ |
| 49.4\% | 1053 | 879 | -174 | -16.5\% |
| 50.6\% | 866 | 831 | -36 | 4.1\% |
| 51.9\% | 776 | ${ }^{731}$ | -45 | -5.8\% |
| 53.1\% | ${ }^{754}$ | 658 | .96 | -12.8\% |
| 54.3\% | 382 | 348 | -34 |  |
| 55.8\% | 274 149 | 144 109 | 130 -39 | -47.5\% |
| 58.0\% | 137 | 90 | -46 |  |
| 59.3\% | ${ }^{131}$ | 64 | -67 |  |
| ${ }^{60.5 \%}$ | ${ }_{51}^{53}$ | ${ }^{35}$ | -19 |  |
| ${ }^{61.7 \%}$ | ${ }^{31}$ | 9 | ${ }^{22}$ |  |
| -63.0\% | ${ }^{21}$ | 0 | ${ }^{21}$ |  |
| 65.4\% | 0 | 0 | 0 |  |
| 66.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.16\% | 0 | 0 | 0 |  |
| 7.2.8\% | 0 | 0 | 0 |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 |  |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.0\% | 0 | 0 | 0 |  |
| ${ }^{85.2 \%}$ | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 |  |  |
| 88.9\% | 0 | 0 | 0 |  |
| 90.1\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 93. ${ }_{\text {92.8\% }}$ | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% | 0 | 0 | 0 |  |
| 97.5\% | 0 | 0 | 0 |  |
| - $98.80 \%$ | 0 | 0 | 0.0 |  |



Tisdale Weir Spills into sutuer Bypass, Monthly Diversion

|  |  | June |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ${ }_{\text {Precent }}^{\text {Excedance }}$ | No Action Atemative | Altemative ${ }^{\text {D }}$ | Absolute |  |
| Probability | Monthly Diversion | Monthly Piversion | ditifencee (cFs) | Difference (\%) |
| (\%) | (CFF) | (CFS) |  |  |
| 0.0\% | 3625 | 3568 | . 56 | -1.6\% |
| 1.2\% | 97 | ${ }^{118}$ | 22 | 22.3\% |
| 2.5\% | 0 | 0 | 0 |  |
| 3.7\%\% | 0 | 0 | 0 |  |
| 6.2\% | 0 | 0 | 0 |  |
| 7.4\% | 0 | 0 | 0 |  |
| - $\begin{aligned} & \text { 8.9\%\% } \\ & 9.9 \%\end{aligned}$ | 0 | 0 | 0 |  |
| 11.1\% | 0 | 0 | 0 |  |
| 12.3\% | 0 | 0 | 0 |  |
| (13.6\% | 0 | 0 | 0 |  |
| 16.0\% | 0 | 0 | 0 |  |
| 17.3\% | 0 | 0 | 0 |  |
| 18.5\% | 0 | 0 | 0 |  |
| 21.0\% | 0 | 0 | 0 |  |
|  | 0 | 0 | 0 |  |
| ${ }^{23.4 .7 \%}$ | 0 | 0 | 0 |  |
| 25.9\% | 0 | 0 | 0 |  |
| 27.2\% | 0 | 0 | 0 |  |
| 28.4.4\% | 0 | 0 | $\bigcirc$ |  |
| 30.9\% | 0 | 0 | 0 |  |
| 32.1\% | 0 | 0 | 0 |  |
| 33.6\% | 0 | 0 | 0 |  |
| 35.8\% | 0 | 0 | 0 |  |
| 37.0\% | 0 | 0 | 0 |  |
| 38.3\% | 0 | 0 | 0 |  |
| 40.7\% | 0 | 0 | 0 |  |
| 42.0\% | 0 | 0 | 0 |  |
| 43.2\% 4 4.4\% | 0 | 0 | 0 |  |
| 45.7\% | 0 | 0 | 0 |  |
| 46.9\% | 0 | 0 | 0 |  |
| 48.19\% | 0 | 0 | 0 |  |
| 50.6\% | 0 | 0 | 0 |  |
| 51.9\% | 0 | 0 | 0 |  |
| 53.13\% | 0 | 0 | 0 |  |
| 55.6\% | 0 | 0 | 0 |  |
| 58.0\% | 0 |  | 0 |  |
| 59.3\% | 0 | 0 | 0 |  |
| ${ }_{6}^{60.17 \%}$ | 0 | 0 | 0 |  |
| 63.0\% | 0 | 0 | 0 |  |
| 64.2\% | 0 | 0 | 0 |  |
| ${ }_{\text {c }}^{65.4 \%}$ 6.7\% | 0 | 0 | 0 |  |
| 67.9\% | 0 | 0 | 0 |  |
| 69.1\% | 0 | 0 | 0 |  |
| 70.4\% | 0 | 0 | 0 |  |
| 7.2.8\% | $\bigcirc$ | 0 |  |  |
| 74.1\% | 0 | 0 | 0 |  |
| 75.3\% | 0 | 0 | 0 |  |
| 76.5\% | 0 | 0 | 0 |  |
| 77.8\% | 0 | 0 | 0 |  |
| 80.2\% | 0 | 0 | 0 |  |
| 81.5\% | 0 | 0 | 0 |  |
| 82.7\% | 0 | 0 | 0 |  |
| 84.2\% | 0 |  | 0 |  |
| 86.4\% | 0 | 0 | 0 |  |
| 87.7\% | 0 | 0 | 0 |  |
| 88.9\% | 0 | 0 | 0 |  |
| 91.4\% | 0 | 0 | 0 |  |
| 92.6\% | 0 | 0 | 0 |  |
| 93.\% | 0 | 0 | 0 |  |
| 95.1\% | 0 | 0 | 0 |  |
| 96.3\% ${ }^{9.5 \%}$ | $\bigcirc$ | 0 | 0 |  |
| 98.8\% | 0 | 0 | 0 |  |
| 100.0\% | 0.0 | 0.0 | 0.0 |  |



