

If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated $\operatorname{Index} B>=1000$, then table shows a " 1 ".
If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated Index $B<1000$, then table shows a " 0.01 ".


| unregulated <br> Index B |
| :---: |
| 15957 |
| 5171 |
| 913 |
| 8793 |
| 6855 |
| 8552 |
| 9552 |
| 12383 |
| 3117 |
| 13984 |
| 4702 |
| 3595 |
| 13970 |
| 29328 |
| 671 |
| 19885 |
| 1466 |
| 7644 |
| 6386 |


| DAVIDSON RIVER |  | Table shows percentage of unregulated Index B value achieved by flow scenario |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | SPRING | April - June |  |  | Highlighted cells are those $>120 \%$ or $<80 \%$ |  |  |  |  |  |  |  |  |  |  |  |
| Guild |  | Traditional Minimum Flow |  |  |  | Minimum = Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  |  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow | EPHEM | 80.4\% | 93.4\% | 101.1\% | 102.6\% | 66.7\% | 83.1\% | 92.1\% | 97.6\% | 100.6\% | 102.0\% | 97.9\% | 98.5\% | 99.0\% | 99.3\% | 99.6\% |
|  | PLECO | 51.7\% | 71.7\% | 89.9\% | 96.2\% | 35.1\% | 54.4\% | 69.1\% | 80.4\% | 88.4\% | 93.4\% | 88.6\% | 90.9\% | 93.1\% | 95.0\% | 96.8\% |
|  | NHSJ | 17.5\% | 44.9\% | 75.2\% | 88.1\% | 11.5\% | 20.8\% | 40.6\% | 58.9\% | 72.5\% | 82.5\% | 75.6\% | 80.3\% | 84.7\% | 88.9\% | 92.9\% |
|  | RBTF | 135.4\% | 126.2\% | 113.0\% | 107.7\% | 140.7\% | 131.0\% | 127.8\% | 120.8\% | 114.1\% | 110.2\% | 112.5\% | 110.3\% | 108.1\% | 106.0\% | 103.9\% |
|  | BNDJ | 44.5\% | 69.0\% | 89.2\% | 96.4\% | 29.2\% | 49.6\% | 66.2\% | 78.2\% | 87.3\% | 93.7\% | 87.4\% | 90.1\% | 92.5\% | 94.7\% | 96.6\% |
|  | BNDF | 101.4\% | 107.0\% | 107.8\% | 105.8\% | 96.2\% | 102.1\% | 106.9\% | 107.7\% | 107.8\% | 107.0\% | 104.2\% | 103.7\% | 103.1\% | 102.4\% | 101.7\% |
|  | BNDS | 75.5\% | 99.1\% | 107.3\% | 105.3\% | 45.0\% | 85.6\% | 97.4\% | 104.0\% | 106.9\% | 106.6\% | 100.3\% | 100.5\% | 100.7\% | 100.7\% | 100.5\% |
|  | BRTJ | 57.1\% | 79.6\% | 96.3\% | 100.2\% | 43.1\% | 61.7\% | 77.1\% | 88.0\% | 95.1\% | 98.6\% | 92.7\% | 94.4\% | 95.9\% | 97.2\% | 98.3\% |
|  | BRTF | 48.1\% | 71.0\% | 91.3\% | 97.7\% | 34.7\% | 52.4\% | 68.1\% | 80.9\% | 89.8\% | 94.9\% | 88.7\% | 91.1\% | 93.3\% | 95.3\% | 97.0\% |
|  | LNDX | 35.2\% | 61.0\% | 84.2\% | 92.8\% | 21.6\% | 41.0\% | 57.8\% | 71.9\% | 82.2\% | 89.2\% | 83.3\% | 86.7\% | 89.8\% | 92.8\% | 95.3\% |
|  | CRCA | 46.4\% | 70.1\% | 90.1\% | 96.4\% | 32.3\% | 51.0\% | 67.1\% | 80.0\% | 88.6\% | 93.8\% | 88.0\% | 90.6\% | 92.9\% | 94.9\% | 96.8\% |
|  | CRCY | 124.0\% | 118.5\% | 110.5\% | 106.6\% | 128.3\% | 121.9\% | 119.5\% | 115.2\% | 111.3\% | 108.3\% | 109.2\% | 107.6\% | 106.1\% | 104.5\% | 103.0\% |
| Deep | TRIC | 31.9\% | 94.1\% | 100.1\% | 101.8\% | 63.3\% | 85.8\% | 93.1\% | 97.5\% | 99.7\% | 101.1\% | 98.1\% | 98.6\% | 99.0\% | 99.3\% | 99.6\% |
|  | MTSX | 39.2\% | 76.9\% | 90.7\% | 95.3\% | 39.3\% | 63.0\% | 74.9\% | 83.6\% | 89.6\% | 93.3\% | 90.1\% | 92.0\% | 93.8\% | 95.5\% | 97.0\% |
|  | NHSA | 34.6\% | 54.5\% | 76.2\% | 86.7\% | 28.2\% | 37.9\% | 52.0\% | 64.1\% | 74.1\% | 82.3\% | 78.5\% | 82.4\% | 86.1\% | 89.9\% | 93.3\% |
|  | RBTA | 66.0\% | 85.0\% | 97.7\% | 101.4\% | 54.2\% | 70.2\% | 83.2\% | 91.3\% | 96.6\% | 100.0\% | 94.7\% | 96.0\% | 97.1\% | 98.0\% | 98.8\% |
|  | RBTS | 7.6\% | 32.0\% | 69.4\% | 81.4\% | 3.8\% | 10.5\% | 27.9\% | 46.9\% | 66.2\% | 76.7\% | 69.6\% | 75.3\% | 80.7\% | 85.8\% | 90.7\% |
|  | BRTA | 70.7\% | 87.4\% | 98.2\% | 101.1\% | 57.7\% | 74.1\% | 85.7\% | 93.1\% | 97.5\% | 100.1\% | 95.7\% | 96.7\% | 97.7\% | 98.4\% | 99.1\% |
|  | BRTS | 36.5\% | 67.0\% | 90.4\% | 97.0\% | 17.6\% | 43.7\% | 63.7\% | 78.5\% | 88.5\% | 94.5\% | 87.1\% | 89.9\% | 92.4\% | 94.6\% | 96.6\% |
| AVERAGE |  | 58.1\% | 79.4\% | 93.6\% | 97.9\% | 49.9\% | 65.3\% | 77.4\% | 86.2\% | 92.5\% | 96.2\% | 91.7\% | 93.5\% | 95.0\% | 96.5\% | 97.8\% |
| MEDIAN |  | 48.1\% | 76.9\% | 91.3\% | 97.7\% | 39.3\% | 61.7\% | 74.9\% | 83.6\% | 89.8\% | 94.9\% | 90.1\% | 92.0\% | 93.8\% | 95.5\% | 97.0\% |
| MINIMUM |  | 7.6\% | 32.0\% | 69.4\% | 81.4\% | 3.8\% | 10.5\% | 27.9\% | 46.9\% | 66.2\% | 76.7\% | 69.6\% | 75.3\% | 80.7\% | 85.8\% | 90.7\% |
| MAXIMUM |  | 135.4\% | 126.2\% | 113.0\% | 107.7\% | 140.7\% | 131.0\% | 127.8\% | 120.8\% | 114.1\% | 110.2\% | 112.5\% | 110.3\% | 108.1\% | 106.0\% | 103.9\% |

If seasonal Index $B$ value is $>\mathbf{1 2 0} \%$ of unregulated value, and seasonal unregulated Index $B>=1000$, then table shows a " 1 ".
If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated Index $B<1000$, then table shows a " 0.01 ".

| Season ${ }^{\text {SUMMER }}$ | July - September |  |  | Numbers in Red indicate low amount of habitat (seasonal unregulated index B < 1,000). |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Guild | Traditional Minimum Flow |  |  |  | Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow EPHEM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PLECO |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NHSJ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RBTF | 1 | 1 |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  |
| BNDJ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BNDF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BNDS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BRTJ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BRTF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LNDX |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRCA |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CRCY |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| Deep TRIC <br>  MTSX <br>  NHSA <br>  RBTA <br>  RBTS <br>  BRTA <br>  BRTS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total out of 19 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total > 1000 WUA | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total < 1000 WUA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total out of 19 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| \% for just this season | 5.3\% | 5.3\% | 0.0\% | 0.0\% | 10.5\% | 5.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| \% weighted equally for <br> each season | 1.3\% | 1.3\% | 0.0\% | 0.0\% | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \% > 1000 WUA | 1.3\% | 1.3\% | 0.0\% | 0.0\% | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| \% < 1000 WUA | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |


| unregulated <br> Index B |
| :---: |
| 15631 |
| 4739 |
| 754 |
| 9569 |
| 6228 |
| 8786 |
| 9512 |
| 11687 |
| 2856 |
| 12372 |
| 4291 |
| 3828 |
| 13715 |
| 27216 |
| 570 |
| 19063 |
| 1149 |
| 7382 |
| 5780 |


| DAVIDSON RIVER |  | Table shows percentage of unregulated Index B value achieved by flow scenario |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | SUMMER | July - September |  |  | Highlighted cells are those >120\% or < 80\% |  |  |  |  |  |  |  |  |  |  |  |
| Guild |  | Traditional Minimum Flow |  |  |  | Minimum = Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  |  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow | EPH | 82.1\% | 87.7\% | 101.4\% | 101.4\% | 68.1\% | 84.8\% | 94.0\% | 98.8\% | 101.1\% | 102.1\% | 96.4\% | 97.3\% | 98.0\% | 98.7\% | 99.2\% |
|  | PLECO | 56.4\% | 64.0\% | 93.5\% | 93.5\% | 38.3\% | 59.4\% | 75.2\% | 85.7\% | 92.3\% | 96.3\% | 86.5\% | 89.2\% | 91.7\% | 94.0\% | 96.2\% |
|  | NHSJ | 21.2\% | 31.4\% | 82.6\% | 82.6\% | 13.9\% | 25.2\% | 48.9\% | 67.8\% | 80.1\% | 88.9\% | 71.8\% | 76.9\% | 82.0\% | 86.7\% | 91.4\% |
|  | RBTF | 124.5\% | 120.0\% | 106.7\% | 106.7\% | 129.3\% | 120.4\% | 117.5\% | 112.0\% | 107.4\% | 104.8\% | 109.3\% | 107.7\% | 106.2\% | 104.6\% | 103.1\% |
|  | BNDJ | 48.9\% | 59.6\% | 93.0\% | 93.0\% | 32.2\% | 54.6\% | 72.7\% | 83.9\% | 91.5\% | 96.6\% | 84.8\% | 87.8\% | 90.7\% | 93.3\% | 95.7\% |
|  | BNDF | 98.7\% | 101.0\% | 104.7\% | 104.7\% | 93.7\% | 99.4\% | 104.1\% | 104.7\% | 104.8\% | 104.2\% | 101.6\% | 101.5\% | 101.3\% | 101.1\% | 100.8\% |
|  | BNDS | 75.8\% | 90.0\% | 105.9\% | 105.8\% | 45.2\% | 85.9\% | 97.7\% | 103.4\% | 105.6\% | 105.1\% | 97.3\% | 98.0\% | 98.7\% | 99.1\% | 99.5\% |
|  | BRTJ | 60.5\% | 70.1\% | 98.0\% | 97.9\% | 45.7\% | 65.4\% | 81.5\% | 91.4\% | 97.1\% | 99.8\% | 89.8\% | 92.1\% | 94.0\% | 95.8\% | 97.4\% |
|  | BRTF | 52.5\% | 62.0\% | 94.6\% | 94.5\% | 37.9\% | 57.2\% | 74.1\% | 86.1\% | 93.3\% | 97.4\% | 86.1\% | 89.0\% | 91.6\% | 93.9\% | 96.1\% |
|  | LNDX | 39.8\% | 51.6\% | 89.1\% | 89.1\% | 24.4\% | 46.4\% | 65.1\% | 78.7\% | 87.5\% | 93.1\% | 80.5\% | 84.2\% | 87.6\% | 90.9\% | 93.9\% |
|  | CRCA | 50.9\% | 60.8\% | 93.7\% | 93.7\% | 35.4\% | 55.9\% | 73.4\% | 85.4\% | 92.5\% | 96.6\% | 85.3\% | 88.3\% | 91.0\% | 93.5\% | 95.9\% |
|  | CRCY | 116.4\% | 114.1\% | 105.5\% | 105.5\% | 120.5\% | 114.4\% | 112.3\% | 108.8\% | 106.1\% | 104.0\% | 106.8\% | 105.7\% | 104.6\% | 103.4\% | 102.3\% |
| Deep | TR | 32.5\% | 89.8\% | 100.6\% | 100.6\% | 64.5\% | 87.4\% | 94.8\% | 98.6\% | 100.3\% | 101.3\% | 96.6\% | 97.6\% | 98.3\% | 98.8\% | 99.3\% |
|  | MTSX | 42.3\% | 71.7\% | 94.3\% | 94.3\% | 42.3\% | 67.9\% | 80.5\% | 88.5\% | 93.5\% | 96.4\% | 88.8\% | 91.1\% | 93.2\% | 95.1\% | 96.8\% |
|  | NHSA | 40.7\% | 48.8\% | 83.9\% | 83.9\% | 33.2\% | 44.6\% | 60.9\% | 73.2\% | 81.9\% | 88.9\% | 77.5\% | 81.4\% | 85.4\% | 89.1\% | 92.8\% |
|  | RBTA | 68.8\% | 77.3\% | 98.9\% | 98.8\% | 56.5\% | 73.2\% | 86.6\% | 93.9\% | 98.0\% | 100.6\% | 92.5\% | 94.2\% | 95.6\% | 96.9\% | 98.1\% |
|  | RBTS | 9.7\% | 18.0\% | 77.4\% | 77.3\% | 4.8\% | 13.4\% | 35.3\% | 55.8\% | 74.4\% | 84.0\% | 64.3\% | 70.8\% | 77.2\% | 83.3\% | 89.1\% |
|  | BRTA | 73.2\% | 80.2\% | 99.2\% | 99.2\% | 59.8\% | 76.7\% | 88.6\% | 95.2\% | 98.6\% | 100.5\% | 93.6\% | 95.0\% | 96.3\% | 97.4\% | 98.4\% |
|  | BRTS | 40.3\% | 54.5\% | 93.9\% | 93.9\% | 19.4\% | 48.3\% | 70.1\% | 84.1\% | 92.5\% | 97.2\% | 83.4\% | 86.8\% | 89.9\% | 92.8\% | 95.4\% |
| AVERAGE |  | 59.8\% | 71.2\% | 95.6\% | 95.6\% | 50.8\% | 67.4\% | 80.7\% | 89.3\% | 94.7\% | 97.8\% | 89.1\% | 91.3\% | 93.3\% | 95.2\% | 96.9\% |
| MEDIAN |  | 52.5\% | 70.1\% | 94.6\% | 94.5\% | 42.3\% | 65.4\% | 80.5\% | 88.5\% | 93.5\% | 97.4\% | 88.8\% | 91.1\% | 93.2\% | 95.1\% | 96.8\% |
| MINIMUM |  | 9.7\% | 18.0\% | 77.4\% | 77.3\% | 4.8\% | 13.4\% | 35.3\% | 55.8\% | 74.4\% | 84.0\% | 64.3\% | 70.8\% | 77.2\% | 83.3\% | 89.1\% |
| MAXIMUM |  | 124.5\% | 120.0\% | 106.7\% | 106.7\% | 129.3\% | 120.4\% | 117.5\% | 112.0\% | 107.4\% | 105.1\% | 109.3\% | 107.7\% | 106.2\% | 104.6\% | 103.1\% |

If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated Index $B>=1000$, then table shows a "1".
If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated Index $B<1000$, then table shows a " 0.01 ".

## Season <br> FALL

## Oct \& Nov

Numbers in Red indicate low amount of habitat (seasonal unregulated index $B<1,000$ ).

| Guild | Traditional Minimum Flow |  |  |  | Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow $\begin{array}{ll}\text { Sl } & \text { EPHEM } \\ & \text { PLECO } \\ & \text { NHSJ } \\ & \text { RBTF } \\ & \text { BNDJ } \\ & \text { BNDF } \\ & \text { BNDS } \\ & \text { BRTJ } \\ & \text { BRTF } \\ & \text { LNDX } \\ & \text { CRCA } \\ & \text { CRCY }\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 1 | 1 |  |  | 1 | 1 | 1 |  |  |  |  |  |  |  |  |
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|  | 1 |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| Deep TRIC <br>  MTSX <br>  NHSA <br>  RBTA <br>  RBTS <br>  BRTA <br>  BRTS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total out of 19 | 2 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total > 1000 WUA | 2 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| total < 1000 WUA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total out of 19 | 2 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| \% for just this season | 10.5\% | 5.3\% | 0.0\% | 0.0\% | 10.5\% | 5.3\% | 5.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| $\%$ weighted equally for each season | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 2.6\% | 1.3\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \% > 1000 WUA | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 2.6\% | 1.3\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| \% < 1000 WUA | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |


| unregulated <br> Index B |
| :---: |
| 15702 |
| 5009 |
| 861 |
| 9018 |
| 6613 |
| 8565 |
| 9409 |
| 12058 |
| 3014 |
| 13407 |
| 4542 |
| 3656 |
| 13788 |
| 28652 |
| 641 |
| 19492 |
| 1364 |
| 7515 |
| 6149 |


| DAVIDSON RIVER |  | Table shows percentage of unregulated Index B value achieved by flow scenario |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | FALL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Guild |  | Traditional Minimum Flow |  |  |  | Minimum = Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  |  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow | EPHEM | 81.7\% | 87.7\% | 101.9\% | 103.1\% | 67.8\% | 84.4\% | 93.6\% | 98.8\% | 101.5\% | 102.8\% | 97.6\% | 98.2\% | 98.8\% | 99.2\% | 99.5\% |
|  | PLECO | 53.4\% | 61.3\% | 90.9\% | 95.6\% | 36.3\% | 56.2\% | 71.4\% | 82.1\% | 89.5\% | 94.3\% | 88.1\% | 90.5\% | 92.8\% | 94.8\% | 96.7\% |
|  | NHSJ | 18.6\% | 28.7\% | 76.5\% | 86.3\% | 12.2\% | 22.1\% | 43.1\% | 61.1\% | 73.9\% | 83.6\% | 74.9\% | 79.7\% | 84.2\% | 88.6\% | 92.7\% |
|  | RBTF | 132.1\% | 127.1\% | 111.5\% | 107.9\% | 137.2\% | 127.8\% | 124.6\% | 118.3\% | 112.5\% | 109.0\% | 111.2\% | 109.3\% | 107.4\% | 105.4\% | 103.6\% |
|  | BNDJ | 46.1\% | 57.1\% | 90.4\% | 95.9\% | 30.3\% | 51.5\% | 68.6\% | 80.1\% | 88.6\% | 94.7\% | 86.8\% | 89.6\% | 92.1\% | 94.4\% | 96.4\% |
|  | BNDF | 101.2\% | 103.8\% | 107.5\% | 106.2\% | 96.1\% | 102.0\% | 106.8\% | 107.5\% | 107.6\% | 106.9\% | 103.3\% | 103.0\% | 102.5\% | 102.0\% | 101.4\% |
|  | BNDS | 76.6\% | 91.5\% | 108.1\% | 106.8\% | 45.7\% | 86.9\% | 98.9\% | 105.1\% | 107.8\% | 107.3\% | 99.4\% | 99.8\% | 100.1\% | 100.2\% | 100.2\% |
|  | BRTJ | 58.7\% | 68.8\% | 97.1\% | 100.1\% | 44.3\% | 63.4\% | 79.2\% | 89.6\% | 96.1\% | 99.4\% | 91.9\% | 93.7\% | 95.4\% | 96.8\% | 98.0\% |
|  | BRTF | 49.8\% | 59.7\% | 92.3\% | 97.0\% | 35.9\% | 54.2\% | 70.4\% | 82.7\% | 90.8\% | 95.8\% | 88.1\% | 90.6\% | 92.9\% | 94.9\% | 96.8\% |
|  | LNDX | 36.7\% | 48.6\% | 85.4\% | 91.8\% | 22.5\% | 42.8\% | 60.3\% | 73.9\% | 83.5\% | 90.2\% | 82.9\% | 86.3\% | 90.5\% | 92.8\% | 95.1\% |
|  | CRCA | 48.0\% | 58.3\% | 91.2\% | 95.9\% | 33.5\% | 52.8\% | 69.5\% | 81.9\% | 89.8\% | 94.7\% | 87.4\% | 90.0\% | 92.4\% | 94.6\% | 96.6\% |
|  | CRCY | 121.9\% | 119.3\% | 109.4\% | 106.7\% | 126.2\% | 119.8\% | 117.5\% | 113.6\% | 110.2\% | 107.4\% | 108.5\% | 107.0\% | 105.6\% | 104.2\% | 102.8\% |
| Deep | TRIC | 32.3\% | 89.7\% | 100.8\% | 102.1\% | 64.2\% | 87.0\% | 94.4\% | 98.4\% | 100.5\% | 101.7\% | 97.7\% | 98.0\% | 98.8\% | 99.2\% | 99.5\% |
|  | MTSX | 40.1\% | 68.7\% | 91.4\% | 94.8\% | 40.2\% | 64.5\% | 76.6\% | 84.9\% | 90.4\% | 93.9\% | 89.7\% | 91.7\% | 93.6\% | 95.3\% | 97.7\% |
|  | NHSA | 36.2\% | 44.3\% | 77.5\% | 85.5\% | 29.5\% | 39.6\% | 54.3\% | 66.1\% | 75.5\% | 83.3\% | 78.6\% | 82.5\% | 86.3\% | 89.9\% | 93.4\% |
|  | RBTA | 67.3\% | 76.3\% | 98.4\% | 101.2\% | 55.3\% | 71.6\% | 84.8\% | 92.5\% | 97.4\% | 100.6\% | 94.0\% | 95.4\% | 96.6\% | 97.7\% | 98.6\% |
|  | RBTS | 8.2\% | 16.4\% | 70.5\% | 79.8\% | 4.0\% | 11.3\% | 30.0\% | 48.8\% | 67.3\% | 77.6\% | 69.1\% | 74.9\% | 80.3\% | 85.4\% | 90.5\% |
|  | BRTA | 71.9\% | 79.4\% | 98.8\% | 101.0\% | 58.7\% | 75.3\% | 87.1\% | 94.1\% | 98.1\% | 100.5\% | 95.0\% | 96.2\% | 97.2\% | 98.1\% | 98.8\% |
|  | BRTS | 37.9\% | 52.3\% | 91.4\% | 96.5\% | 18.3\% | 45.4\% | 66.1\% | 80.4\% | 89.7\% | 95.4\% | 86.1\% | 89.1\% | 91.8\% | 94.1\% | 96.3\% |
| AVERAGE |  | 58.9\% | 70.5\% | 94.3\% | 97.6\% | 50.4\% | 66.2\% | 78.8\% | 87.4\% | 93.2\% | 96.8\% | 91.1\% | 92.9\% | 94.7\% | 96.2\% | 97.6\% |
| MEDIAN |  | 49.8\% | 68.7\% | 92.3\% | 97.0\% | 40.2\% | 63.4\% | 76.6\% | 84.9\% | 90.8\% | 95.8\% | 89.7\% | 91.7\% | 93.6\% | 95.3\% | 97.7\% |
| MINIMUM |  | 8.2\% | 16.4\% | 70.5\% | 79.8\% | 4.0\% | 11.3\% | 30.0\% | 48.8\% | 67.3\% | 77.6\% | 69.1\% | 74.9\% | 80.3\% | 85.4\% | 90.5\% |
| MAXIMUM |  | 132.1\% | 127.1\% | 111.5\% | 107.9\% | 137.2\% | 127.8\% | 124.6\% | 118.3\% | 112.5\% | 109.0\% | 111.2\% | 109.3\% | 107.4\% | 105.4\% | 103.6\% |

If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated $\operatorname{Index} B>=1000$, then table shows a " 1 ".
If seasonal Index $B$ value is $>120 \%$ of unregulated value, and seasonal unregulated Index $B<1000$, then table shows a " 0.01 ".

| Season ${ }^{\text {S }}$ WINTER | Dec - March |  |  | Numbers in Red indicate low amount of habitat (seasonal unregulated index B < 1,000). |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Guild | Traditional Minimum Flow |  |  |  | Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  |  |
| Deep TRIC <br>  MTSX <br>  NHSA <br>  RBTA <br>  RBTS <br>  BRTA <br>  BRTS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total out of 19 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| total > 1000 WUA | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| total < 1000 WUA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total out of 19 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| \% for just this season | 10.5\% | 10.5\% | 10.5\% | 0.0\% | 10.5\% | 10.5\% | 10.5\% | 10.5\% | 10.5\% | 5.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| $\begin{array}{\|c\|} \hline \text { \% weighted equally for } \\ \text { each season } \end{array}$ | 2.6\% | 2.6\% | 2.6\% | 0.0\% | 2.6\% | 2.6\% | 2.6\% | 2.6\% | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \% > 1000 WUA | 2.6\% | 2.6\% | 2.6\% | 0.0\% | 2.6\% | 2.6\% | 2.6\% | 2.6\% | 2.6\% | 1.3\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |
| \% < 1000 WUA | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% |


| unregulated <br> Index B |
| :---: |
| 15851 |
| 5495 |
| 1082 |
| 7756 |
| 7341 |
| 7952 |
| 9149 |
| 12611 |
| 3285 |
| 15558 |
| 5017 |
| 3239 |
| 13939 |
| 31184 |
| 803 |
| 20155 |
| 1836 |
| 7733 |
| 6802 |


| DAVIDSON RIVER |  | Table shows percentage of unregulated Index B value achieved by flow scenario |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | WINTER | December - March |  |  | Highlighted cells are those $>120 \%$ or < 80\% |  |  |  |  |  |  |  |  |  |  |  |
| Guild |  | Traditional Minimum Flow |  |  |  | Minimum = Percent Mean Annual Flow |  |  |  |  |  | Percent Flow-by |  |  |  |  |
|  |  | Ann. 7Q10 | Mon. 7Q10 | Sep. Med. | Mon. Med. | 10\% | 20\% | 30\% | 40\% | 50\% | 60\% | 70\% | 75\% | 80\% | 85\% | 90\% |
| Shallow | EPHEM | 80.9\% | 99.5\% | 102.2\% | 104.9\% | 67.2\% | 83.6\% | 92.8\% | 98.3\% | 101.7\% | 103.4\% | 100.3\% | 100.5\% | 100.5\% | 100.5\% | 100.4\% |
|  | PLECO | 48.6\% | 78.2\% | 85.9\% | 99.7\% | 33.0\% | 51.2\% | 65.1\% | 75.7\% | 84.1\% | 90.1\% | 92.2\% | 93.9\% | 95.4\% | 96.8\% | 97.9\% |
|  | NHSJ | 14.8\% | 53.5\% | 65.5\% | 89.6\% | 9.7\% | 17.6\% | 34.3\% | 49.8\% | 62.7\% | 73.3\% | 80.7\% | 84.7\% | 88.3\% | 91.5\% | 94.5\% |
|  | RBTF | 153.6\% | 134.4\% | 126.8\% | 111.9\% | 159.5\% | 148.6\% | 144.9\% | 136.8\% | 128.4\% | 122.7\% | 115.9\% | 113.0\% | 110.1\% | 107.4\% | 104.9\% |
|  | BNDJ | 41.5\% | 75.6\% | 84.9\% | 98.8\% | 27.3\% | 46.4\% | 61.9\% | 73.0\% | 82.7\% | 90.2\% | 91.4\% | 93.4\% | 95.2\% | 96.7\% | 98.0\% |
|  | BNDF | 109.0\% | 115.8\% | 115.9\% | 109.0\% | 103.5\% | 109.8\% | 115.0\% | 115.8\% | 116.0\% | 115.0\% | 108.0\% | 106.8\% | 105.6\% | 104.2\% | 102.8\% |
|  | BNDS | 78.8\% | 109.5\% | 112.4\% | 107.1\% | 47.0\% | 89.3\% | 101.7\% | 108.6\% | 112.0\% | 111.6\% | 104.4\% | 103.9\% | 103.4\% | 102.7\% | 101.9\% |
|  | BRTJ | 56.1\% | 88.9\% | 95.7\% | 103.6\% | 42.3\% | 60.6\% | 75.7\% | 86.5\% | 94.3\% | 98.7\% | 97.1\% | 98.1\% | 99.0\% | 99.6\% | 99.9\% |
|  | BRTF | 45.7\% | 79.7\% | 88.0\% | 100.9\% | 33.0\% | 49.7\% | 64.6\% | 76.9\% | 86.2\% | 92.5\% | 92.7\% | 94.4\% | 95.8\% | 97.1\% | 98.2\% |
|  | LNDX | 31.6\% | 67.7\% | 77.3\% | 94.6\% | 19.4\% | 36.9\% | 52.0\% | 64.7\% | 75.1\% | 83.0\% | 87.4\% | 89.9\% | 92.4\% | 94.6\% | 96.6\% |
|  | CRCA | 43.5\% | 77.8\% | 85.8\% | 98.3\% | 30.3\% | 47.8\% | 62.9\% | 75.0\% | 84.1\% | 90.3\% | 91.8\% | 93.8\% | 95.4\% | 96.9\% | 98.1\% |
|  | CRCY | 137.6\% | 126.5\% | 121.8\% | 110.9\% | 142.4\% | 135.3\% | 132.6\% | 127.8\% | 123.0\% | 118.7\% | 112.8\% | 110.5\% | 108.3\% | 106.1\% | 104.0\% |
| Deep | TRIC | 32.0\% | 98.6\% | 100.7\% | 104.2\% | 63.5\% | 86.0\% | 93.3\% | 97.7\% | 100.3\% | 101.9\% | 100.0\% | 100.1\% | 100.2\% | 100.2\% | 100.2\% |
|  | MTSX | 36.9\% | 80.5\% | 86.3\% | 96.6\% | 37.0\% | 59.3\% | 70.4\% | 78.6\% | 85.0\% | 89.4\% | 92.3\% | 93.9\% | 95.7\% | 96.7\% | 97.9\% |
|  | NHSA | 28.9\% | 56.3\% | 65.3\% | 85.7\% | 23.5\% | 31.6\% | 43.5\% | 53.7\% | 63.0\% | 71.6\% | 80.6\% | 84.2\% | 87.8\% | 91.0\% | 94.3\% |
|  | RBTA | 65.1\% | 91.7\% | 97.3\% | 103.8\% | 53.4\% | 69.3\% | 82.1\% | 90.1\% | 96.0\% | 100.3\% | 97.8\% | 98.5\% | 99.0\% | 99.2\% | 99.3\% |
|  | RBTS | 6.1\% | 42.3\% | 58.0\% | 84.1\% | 3.0\% | 8.4\% | 22.3\% | 37.5\% | 54.8\% | 65.4\% | 76.4\% | 80.9\% | 85.2\% | 89.2\% | 95.3\% |
|  | BRTA | 69.9\% | 93.5\% | 97.8\% | 103.2\% | 57.1\% | 73.2\% | 84.7\% | 92.0\% | 96.9\% | 100.1\% | 98.2\% | 98.8\% | 99.0\% | 99.5\% | 99.7\% |
|  | BRTS | 34.3\% | 76.9\% | 86.5\% | 99.0\% | 16.5\% | 41.0\% | 59.8\% | 73.8\% | 84.3\% | 91.4\% | 91.6\% | 93.6\% | 95.4\% | 96.8\% | 98.1\% |
| AVERAGE |  | 58.7\% | 86.7\% | 92.3\% | 100.3\% | 51.0\% | 65.6\% | 76.8\% | 84.9\% | 91.1\% | 95.2\% | 95.3\% | 96.5\% | 97.4\% | 98.2\% | 99.1\% |
| MEDIAN |  | 45.7\% | 80.5\% | 88.0\% | 100.9\% | 37.0\% | 59.3\% | 70.4\% | 78.6\% | 86.2\% | 92.5\% | 92.7\% | 94.4\% | 95.8\% | 97.1\% | 98.2\% |
| MINIMUM |  | 6.1\% | 42.3\% | 58.0\% | 84.1\% | 3.0\% | 8.4\% | 22.3\% | 37.5\% | 54.8\% | 65.4\% | 76.4\% | 80.9\% | 85.2\% | 89.2\% | 94.3\% |
| MAXIMUM |  | 153.6\% | 134.4\% | 126.8\% | 111.9\% | 159.5\% | 148.6\% | 144.9\% | 136.8\% | 128.4\% | 122.7\% | 115.9\% | 113.0\% | 110.1\% | 107.4\% | 104.9\% |

