**Summary Water Temperature Model (RBM10) Results for Low Flow Historical Years**

CRITFC, May 2018. Draft Results (Not for Distribution)

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| **Scenario** | **RCC80** | **4E80** | **RCC80** | **4E80** |
| **Location** | **RM146 (Columbia R at Bonneville Dam)** | | **RM 318 (Columbia R blw Snake R Confluence)** | |
| **Jan** | 1.77 | 2.04 | 0.99 | 1.58 |
| **Feb** | 2.39 | 2.73 | 1.77 | 2.14 |
| **Mar** | 5.65 | 5.79 | 4.89 | 4.97 |
| **Apr** | 9.85 | 9.73 | 8.74 | 8.53 |
| **May** | 13.77 | 13.33 | 12.67 | 12.36 |
| **Jun** | 17.65 | 17.56 | 16.82 | 16.75 |
| **Jul** | 21.01 | 20.91 | 19.86 | 19.76 |
| **Aug** | 22.07 | 22 | 20.54 | 20.53 |
| **Sep** | 19.83 | 19.76 | 18.41 | 18.41 |
| **Oct** | 15.67 | 15.99 | 14.33 | 14.02 |
| **Nov** | 9.79 | 10.06 | 8.98 | 8.11 |
| **Dec** | 4.94 | 4.87 | 4.29 | 4.18 |

Daily water temperature model (RBM10) was run for historical years (1928-1998) using antecedent tributary inflow and meteorological data, with scenario information derived from CIS for hydrosystem operations. Results above are summarized for the “Q1” lowest flow years, which were the set of years composing the lowest (20% percentile) April-August volume forecast in this range. All temperature values are in degrees Celsius. RCC80 = Current hydrosystem operations, 4E80 = Preferred ecological hydrosystem operations. Results are averaged monthly at two locations on the Columbia River.