**Supplemental Table A.** Temperature logger metadata.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **State/ Province** | **Site** | **UTM Zone** | **Easting** | **Northing** | **Water Year or dates used in calculation** | **Which logger(s) were used for calculation of annual temperature** | **Notes** |
| BC | Erlandsen | 9 | 516969 | 6050849 | 08/29/2016-08/25/2017 | upstream |  |
| BC | Rylee | 9 | 516437 | 6050850 | *NA* | *NA* | No data available - used Erlandson, which is adjacent to Rylee |
| BC | Kleanza | 9 | 558620 | 6047977 | 08/27/2016-07/17/2017 | downstream |  |
| OR | Bear | 10 | 542151 | 4887252 | 2016 | average of upstream and downstream |  |
| 10 | 542160 | 4887247 |
| OR | Bulldog | 10 | 538628 | 4806332 | 2017 | average of upstream and downstream |  |
| OR | Flunky | 10 | 561018 | 4900381 | 2017 | average of upstream and downstream |  |
| OR | Kink | 10 | 581568 | 4991248 | 2017 | average of upstream and downstream |  |
| OR | Lamb | 10 | 573566 | 4881933 | 2017 | upstream |  |
| OR | Lookout High | 10 | 570504 | 4896876 | 2017 | upstream |  |
| 10 | 570503 | 4896894 |
| OR | Marten | 10 | 540750 | 4882750 | 2016 | upstream |  |
| 10 | 540612 | 4882821 |
| OR | Salmon | 10 | 519296 | 4811471 | 2017 | average of upstream and downstream |  |
| OR | Shellrock | 10 | 581426 | 4997767 | 2017 | average of upstream and downstream |  |
| OR | Tidbits | 10 | 555356 | 4899411 | 2017 | downstream |  |
| CA | Jiggs | 10 | 421297 | 4526710 | 07/01/2016-06/30/2017 | upstream |  |
| CA | Stoney | 10 | 510299 | 4526853 | 07/02/2016-06/30/2017 | upstream |  |
| CA | Trinity | 10 | 509917 | 4526895 | 07/02/2016-06/30/2017 | downstream |  |
| MT | Cedar | 11 | 651786 | 5221161 | 2017 | upstream |  |
| MT | CedarMid | 11 | 648921 | 5214668 | 2017 | upstream |  |
| MT | Hoodoo | 11 | 650774 | 5205237 | 2017 | upstream |  |
| MT | LowerLostHorse | 11 | 700701 | 5112392 | 2017 | downstream |  |
| MT | NBranchMarten | 11 | 583653 | 5304212 | 2017 | upstream |  |
| MT | OregonGulch | 11 | 645372 | 5213879 | 2017 | upstream |  |
| MT | SFTrout | 11 | 653658 | 5205276 | 2017 | downstream |  |
| MT | Trout | 11 | 657984 | 5216421 | 08/07/2016-07/30/2017 | downstream |  |