Population-specific covariate effects on Chinook salmon productivity. Effect size can be interpreted in the percent change in recruits per spawner for 1 standard deviation increase in in the covariate

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Covariate | Region | Population | Mean | Lower 80% | Upper 80% |
| Body Size | Kuskokwim | Aniak | -10.3 | -29.4 | 8.1 |
| Body Size | Kuskokwim | George | 3.6 | -16.7 | 26.2 |
| Body Size | Kuskokwim | Goodnews | -3.0 | -22.4 | 17.2 |
| Body Size | Kuskokwim | Holitna | 3.4 | -17.8 | 27.4 |
| Body Size | Kuskokwim | Holokuk | 1.9 | -20.1 | 27.1 |
| Body Size | Kuskokwim | Kisaralik | -6.2 | -26.6 | 14.1 |
| Body Size | Kuskokwim | Kogrukluk | -14.5 | -34.0 | 4.2 |
| Body Size | Kuskokwim | Kwethluk | 3.1 | -17.4 | 25.9 |
| Body Size | Kuskokwim | Oskawalik | -1.0 | -22.6 | 22.0 |
| Body Size | Kuskokwim | Pitka | -7.2 | -29.0 | 14.0 |
| Body Size | Kuskokwim | Swift | -5.2 | -24.7 | 14.1 |
| Body Size | Kuskokwim | Takotna | -4.3 | -24.3 | 16.0 |
| Body Size | Kuskokwim | Tatlawiksuk | -3.4 | -22.7 | 16.5 |
| Body Size | Kuskokwim | Tuluksak | 4.2 | -16.8 | 28.0 |
| Cross-shelf wind | Kuskokwim | Aniak | 1.8 | -5.9 | 8.9 |
| Cross-shelf wind | Kuskokwim | George | 3.5 | -3.6 | 10.5 |
| Cross-shelf wind | Kuskokwim | Goodnews | 1.0 | -7.1 | 8.2 |
| Cross-shelf wind | Kuskokwim | Holitna | 4.1 | -3.9 | 12.1 |
| Cross-shelf wind | Kuskokwim | Holokuk | 3.0 | -5.6 | 11.0 |
| Cross-shelf wind | Kuskokwim | Kisaralik | 2.4 | -5.8 | 10.1 |
| Cross-shelf wind | Kuskokwim | Kogrukluk | 4.4 | -2.1 | 11.0 |
| Cross-shelf wind | Kuskokwim | Kwethluk | 1.2 | -7.1 | 8.8 |
| Cross-shelf wind | Kuskokwim | Oskawalik | 3.2 | -5.0 | 11.1 |
| Cross-shelf wind | Kuskokwim | Pitka | 2.3 | -6.1 | 10.1 |
| Cross-shelf wind | Kuskokwim | Swift | 4.8 | -2.7 | 12.9 |
| Cross-shelf wind | Kuskokwim | Takotna | 6.8 | -0.8 | 15.2 |
| Cross-shelf wind | Kuskokwim | Tatlawiksuk | 2.6 | -5.3 | 9.8 |
| Cross-shelf wind | Kuskokwim | Tuluksak | 5.8 | -1.7 | 14.0 |
| Daily stream temp | Kuskokwim | Aniak | 3.8 | -7.7 | 15.3 |
| Daily stream temp | Kuskokwim | George | 17.7 | 3.1 | 31.1 |
| Daily stream temp | Kuskokwim | Goodnews | -5.1 | -19.0 | 8.1 |
| Daily stream temp | Kuskokwim | Holitna | -8.3 | -25.6 | 7.1 |
| Daily stream temp | Kuskokwim | Holokuk | -4.8 | -22.4 | 12.5 |
| Daily stream temp | Kuskokwim | Kisaralik | -5.9 | -22.2 | 9.5 |
| Daily stream temp | Kuskokwim | Kogrukluk | -4.6 | -15.5 | 6.1 |
| Daily stream temp | Kuskokwim | Kwethluk | -18.5 | -34.4 | -2.7 |
| Daily stream temp | Kuskokwim | Oskawalik | -5.7 | -24.6 | 11.5 |
| Daily stream temp | Kuskokwim | Pitka | 1.2 | -13.1 | 15.6 |
| Daily stream temp | Kuskokwim | Swift | -8.3 | -23.6 | 5.5 |
| Daily stream temp | Kuskokwim | Takotna | 3.7 | -7.5 | 15.3 |
| Daily stream temp | Kuskokwim | Tatlawiksuk | -4.6 | -14.8 | 5.9 |
| Daily stream temp | Kuskokwim | Tuluksak | -12.4 | -26.9 | 2.0 |
| Marine Competitors | Kuskokwim | Aniak | -20.8 | -39.2 | -2.4 |
| Marine Competitors | Kuskokwim | George | -20.0 | -41.0 | 0.4 |
| Marine Competitors | Kuskokwim | Goodnews | -14.1 | -36.4 | 7.9 |
| Marine Competitors | Kuskokwim | Holitna | -17.4 | -36.8 | 2.5 |
| Marine Competitors | Kuskokwim | Holokuk | -16.4 | -37.8 | 5.0 |
| Marine Competitors | Kuskokwim | Kisaralik | -18.8 | -39.5 | 1.6 |
| Marine Competitors | Kuskokwim | Kogrukluk | -13.6 | -30.6 | 4.1 |
| Marine Competitors | Kuskokwim | Kwethluk | -10.3 | -31.2 | 12.3 |
| Marine Competitors | Kuskokwim | Oskawalik | -13.3 | -33.9 | 8.6 |
| Marine Competitors | Kuskokwim | Pitka | -13.4 | -33.9 | 8.7 |
| Marine Competitors | Kuskokwim | Swift | -17.0 | -36.3 | 2.3 |
| Marine Competitors | Kuskokwim | Takotna | -17.8 | -39.4 | 3.2 |
| Marine Competitors | Kuskokwim | Tatlawiksuk | -12.7 | -32.6 | 8.5 |
| Marine Competitors | Kuskokwim | Tuluksak | -11.2 | -32.0 | 11.4 |
| Maximum Daily Migration Temp | Kuskokwim | Aniak | 0.1 | -7.1 | 7.4 |
| Maximum Daily Migration Temp | Kuskokwim | George | -0.4 | -6.8 | 6.1 |
| Maximum Daily Migration Temp | Kuskokwim | Goodnews | 0.1 | -7.4 | 8.0 |
| Maximum Daily Migration Temp | Kuskokwim | Holitna | -0.9 | -9.5 | 7.6 |
| Maximum Daily Migration Temp | Kuskokwim | Holokuk | -3.3 | -13.9 | 5.9 |
| Maximum Daily Migration Temp | Kuskokwim | Kisaralik | 2.5 | -6.1 | 12.5 |
| Maximum Daily Migration Temp | Kuskokwim | Kogrukluk | 5.3 | -3.0 | 14.5 |
| Maximum Daily Migration Temp | Kuskokwim | Kwethluk | 2.6 | -5.4 | 10.9 |
| Maximum Daily Migration Temp | Kuskokwim | Oskawalik | -2.9 | -12.9 | 5.9 |
| Maximum Daily Migration Temp | Kuskokwim | Pitka | -0.9 | -9.3 | 7.3 |
| Maximum Daily Migration Temp | Kuskokwim | Swift | -2.3 | -11.2 | 5.7 |
| Maximum Daily Migration Temp | Kuskokwim | Takotna | -3.8 | -13.1 | 4.2 |
| Maximum Daily Migration Temp | Kuskokwim | Tatlawiksuk | -2.0 | -9.7 | 5.4 |
| Maximum Daily Migration Temp | Kuskokwim | Tuluksak | -4.6 | -13.8 | 3.4 |
| Maximum daily streamflow | Kuskokwim | Aniak | 0.0 | -8.9 | 7.3 |
| Maximum daily streamflow | Kuskokwim | George | 1.3 | -6.1 | 8.0 |
| Maximum daily streamflow | Kuskokwim | Goodnews | 4.4 | -3.1 | 12.5 |
| Maximum daily streamflow | Kuskokwim | Holitna | 2.6 | -4.9 | 9.7 |
| Maximum daily streamflow | Kuskokwim | Holokuk | 2.0 | -6.6 | 10.0 |
| Maximum daily streamflow | Kuskokwim | Kisaralik | 2.8 | -5.3 | 10.6 |
| Maximum daily streamflow | Kuskokwim | Kogrukluk | 4.6 | -1.7 | 11.2 |
| Maximum daily streamflow | Kuskokwim | Kwethluk | 3.3 | -3.6 | 10.3 |
| Maximum daily streamflow | Kuskokwim | Oskawalik | 2.1 | -6.3 | 9.9 |
| Maximum daily streamflow | Kuskokwim | Pitka | 4.1 | -3.2 | 12.2 |
| Maximum daily streamflow | Kuskokwim | Swift | 2.8 | -4.9 | 10.1 |
| Maximum daily streamflow | Kuskokwim | Takotna | 2.2 | -5.3 | 9.0 |
| Maximum daily streamflow | Kuskokwim | Tatlawiksuk | 4.4 | -2.0 | 11.1 |
| Maximum daily streamflow | Kuskokwim | Tuluksak | 5.0 | -2.5 | 13.8 |
| Median daily streamflow | Kuskokwim | Aniak | 2.1 | -5.7 | 10.4 |
| Median daily streamflow | Kuskokwim | George | -2.2 | -11.4 | 6.3 |
| Median daily streamflow | Kuskokwim | Goodnews | -1.7 | -10.8 | 6.8 |
| Median daily streamflow | Kuskokwim | Holitna | -1.3 | -10.5 | 7.7 |
| Median daily streamflow | Kuskokwim | Holokuk | -3.0 | -14.4 | 6.7 |
| Median daily streamflow | Kuskokwim | Kisaralik | -3.1 | -13.8 | 6.2 |
| Median daily streamflow | Kuskokwim | Kogrukluk | -0.7 | -8.2 | 6.5 |
| Median daily streamflow | Kuskokwim | Kwethluk | -0.2 | -8.7 | 8.2 |
| Median daily streamflow | Kuskokwim | Oskawalik | -1.5 | -11.6 | 7.8 |
| Median daily streamflow | Kuskokwim | Pitka | -0.8 | -9.8 | 7.6 |
| Median daily streamflow | Kuskokwim | Swift | 1.2 | -7.5 | 10.5 |
| Median daily streamflow | Kuskokwim | Takotna | 2.3 | -6.8 | 12.0 |
| Median daily streamflow | Kuskokwim | Tatlawiksuk | 0.4 | -7.8 | 8.6 |
| Median daily streamflow | Kuskokwim | Tuluksak | 4.6 | -4.8 | 15.8 |
| River Ice Breakup Date | Kuskokwim | Aniak | 1.9 | -6.4 | 9.5 |
| River Ice Breakup Date | Kuskokwim | George | 4.6 | -2.6 | 11.8 |
| River Ice Breakup Date | Kuskokwim | Goodnews | 0.9 | -9.0 | 9.4 |
| River Ice Breakup Date | Kuskokwim | Holitna | 1.4 | -8.2 | 9.7 |
| River Ice Breakup Date | Kuskokwim | Holokuk | 4.9 | -3.8 | 13.6 |
| River Ice Breakup Date | Kuskokwim | Kisaralik | 2.7 | -6.1 | 11.2 |
| River Ice Breakup Date | Kuskokwim | Kogrukluk | 4.3 | -2.9 | 11.6 |
| River Ice Breakup Date | Kuskokwim | Kwethluk | 3.9 | -3.9 | 11.8 |
| River Ice Breakup Date | Kuskokwim | Oskawalik | 4.3 | -4.1 | 12.8 |
| River Ice Breakup Date | Kuskokwim | Pitka | 5.1 | -3.1 | 13.7 |
| River Ice Breakup Date | Kuskokwim | Swift | 3.2 | -5.2 | 11.3 |
| River Ice Breakup Date | Kuskokwim | Takotna | 4.8 | -2.7 | 12.6 |
| River Ice Breakup Date | Kuskokwim | Tatlawiksuk | 4.5 | -2.9 | 12.1 |
| River Ice Breakup Date | Kuskokwim | Tuluksak | 2.9 | -5.5 | 11.3 |
| Sea Ice Cover | Kuskokwim | Aniak | -22.2 | -33.6 | -11.3 |
| Sea Ice Cover | Kuskokwim | George | -12.8 | -20.9 | -4.6 |
| Sea Ice Cover | Kuskokwim | Goodnews | 0.9 | -13.6 | 15.8 |
| Sea Ice Cover | Kuskokwim | Holitna | -7.5 | -22.5 | 8.7 |
| Sea Ice Cover | Kuskokwim | Holokuk | -37.9 | -64.4 | -14.9 |
| Sea Ice Cover | Kuskokwim | Kisaralik | -4.3 | -20.0 | 13.2 |
| Sea Ice Cover | Kuskokwim | Kogrukluk | -22.9 | -34.2 | -12.0 |
| Sea Ice Cover | Kuskokwim | Kwethluk | -25.4 | -38.0 | -13.1 |
| Sea Ice Cover | Kuskokwim | Oskawalik | -32.7 | -55.8 | -12.6 |
| Sea Ice Cover | Kuskokwim | Pitka | -3.2 | -16.7 | 11.3 |
| Sea Ice Cover | Kuskokwim | Swift | -22.9 | -38.2 | -8.9 |
| Sea Ice Cover | Kuskokwim | Takotna | -11.6 | -21.1 | -2.0 |
| Sea Ice Cover | Kuskokwim | Tatlawiksuk | -5.0 | -14.6 | 4.6 |
| Sea Ice Cover | Kuskokwim | Tuluksak | -8.1 | -19.3 | 2.9 |
| Summer Sea Surface Temperature | Kuskokwim | Aniak | -16.2 | -24.5 | -8.2 |
| Summer Sea Surface Temperature | Kuskokwim | George | -11.6 | -18.8 | -3.6 |
| Summer Sea Surface Temperature | Kuskokwim | Goodnews | -12.5 | -20.7 | -3.2 |
| Summer Sea Surface Temperature | Kuskokwim | Holitna | -14.6 | -23.6 | -4.6 |
| Summer Sea Surface Temperature | Kuskokwim | Holokuk | -15.6 | -25.9 | -5.4 |
| Summer Sea Surface Temperature | Kuskokwim | Kisaralik | -19.3 | -29.9 | -10.1 |
| Summer Sea Surface Temperature | Kuskokwim | Kogrukluk | -17.4 | -25.6 | -10.1 |
| Summer Sea Surface Temperature | Kuskokwim | Kwethluk | -23.1 | -33.9 | -13.7 |
| Summer Sea Surface Temperature | Kuskokwim | Oskawalik | -15.2 | -25.2 | -4.8 |
| Summer Sea Surface Temperature | Kuskokwim | Pitka | -17.2 | -27.2 | -8.0 |
| Summer Sea Surface Temperature | Kuskokwim | Swift | -18.9 | -29.8 | -9.9 |
| Summer Sea Surface Temperature | Kuskokwim | Takotna | -13.5 | -20.8 | -6.0 |
| Summer Sea Surface Temperature | Kuskokwim | Tatlawiksuk | -13.0 | -20.3 | -5.1 |
| Summer Sea Surface Temperature | Kuskokwim | Tuluksak | -18.6 | -26.9 | -10.8 |
| Winter Sea Surface Temperature | Kuskokwim | Aniak | 18.9 | 8.8 | 28.3 |
| Winter Sea Surface Temperature | Kuskokwim | George | 19.7 | 10.9 | 28.3 |
| Winter Sea Surface Temperature | Kuskokwim | Goodnews | 19.6 | 8.9 | 30.0 |
| Winter Sea Surface Temperature | Kuskokwim | Holitna | 21.8 | 11.2 | 33.0 |
| Winter Sea Surface Temperature | Kuskokwim | Holokuk | 29.1 | 16.6 | 44.4 |
| Winter Sea Surface Temperature | Kuskokwim | Kisaralik | 25.0 | 14.1 | 37.6 |
| Winter Sea Surface Temperature | Kuskokwim | Kogrukluk | 24.9 | 15.7 | 35.3 |
| Winter Sea Surface Temperature | Kuskokwim | Kwethluk | 31.1 | 19.0 | 45.5 |
| Winter Sea Surface Temperature | Kuskokwim | Oskawalik | 23.6 | 12.6 | 35.4 |
| Winter Sea Surface Temperature | Kuskokwim | Pitka | 19.2 | 6.6 | 30.9 |
| Winter Sea Surface Temperature | Kuskokwim | Swift | 21.2 | 9.6 | 31.9 |
| Winter Sea Surface Temperature | Kuskokwim | Takotna | 19.4 | 9.9 | 28.2 |
| Winter Sea Surface Temperature | Kuskokwim | Tatlawiksuk | 19.3 | 9.3 | 28.4 |
| Winter Sea Surface Temperature | Kuskokwim | Tuluksak | 23.9 | 14.5 | 34.4 |
| Body Size | Yukon (CA) | Carmacks | 22.4 | 13.6 | 30.7 |
| Body Size | Yukon (CA) | Lower Mainstem | 28.1 | 18.5 | 39.1 |
| Body Size | Yukon (CA) | Mid Mainstem | 23.9 | 14.5 | 33.1 |
| Body Size | Yukon (CA) | Pelly | 22.7 | 14.1 | 31.1 |
| Body Size | Yukon (CA) | Stewart | 25.7 | 16.8 | 34.9 |
| Body Size | Yukon (CA) | Teslin | 24.8 | 15.7 | 34.1 |
| Body Size | Yukon (CA) | Upper Lakes Mainstem | 26.0 | 16.6 | 36.2 |
| Body Size | Yukon (CA) | White-Donjek | 24.6 | 15.7 | 33.6 |
| Cross-shelf wind | Yukon (CA) | Carmacks | -7.4 | -16.7 | 1.5 |
| Cross-shelf wind | Yukon (CA) | Lower Mainstem | -6.9 | -17.0 | 2.3 |
| Cross-shelf wind | Yukon (CA) | Mid Mainstem | 0.4 | -9.5 | 11.8 |
| Cross-shelf wind | Yukon (CA) | Pelly | -6.1 | -14.9 | 2.9 |
| Cross-shelf wind | Yukon (CA) | Stewart | 1.3 | -8.8 | 12.8 |
| Cross-shelf wind | Yukon (CA) | Teslin | -4.4 | -13.5 | 4.3 |
| Cross-shelf wind | Yukon (CA) | Upper Lakes Mainstem | -5.6 | -15.3 | 3.7 |
| Cross-shelf wind | Yukon (CA) | White-Donjek | -4.0 | -13.1 | 4.8 |
| Daily stream temp | Yukon (CA) | Carmacks | -7.2 | -19.8 | 3.8 |
| Daily stream temp | Yukon (CA) | Lower Mainstem | 3.7 | -8.4 | 19.2 |
| Daily stream temp | Yukon (CA) | Mid Mainstem | -0.2 | -11.7 | 12.1 |
| Daily stream temp | Yukon (CA) | Pelly | 0.8 | -9.3 | 11.4 |
| Daily stream temp | Yukon (CA) | Stewart | -3.9 | -14.7 | 6.9 |
| Daily stream temp | Yukon (CA) | Teslin | -5.1 | -16.3 | 5.6 |
| Daily stream temp | Yukon (CA) | Upper Lakes Mainstem | -1.7 | -12.8 | 10.8 |
| Daily stream temp | Yukon (CA) | White-Donjek | -5.3 | -14.8 | 4.1 |
| Marine Competitors | Yukon (CA) | Carmacks | 0.9 | -21.1 | 23.2 |
| Marine Competitors | Yukon (CA) | Lower Mainstem | -33.5 | -62.5 | -6.9 |
| Marine Competitors | Yukon (CA) | Mid Mainstem | -46.6 | -78.0 | -16.2 |
| Marine Competitors | Yukon (CA) | Pelly | -10.2 | -30.9 | 11.6 |
| Marine Competitors | Yukon (CA) | Stewart | -4.0 | -30.2 | 23.2 |
| Marine Competitors | Yukon (CA) | Teslin | -8.0 | -31.2 | 17.0 |
| Marine Competitors | Yukon (CA) | Upper Lakes Mainstem | -50.3 | -86.9 | -16.2 |
| Marine Competitors | Yukon (CA) | White-Donjek | 0.9 | -23.2 | 27.5 |
| Maximum Daily Migration Temp | Yukon (CA) | Carmacks | -8.6 | -18.6 | 1.5 |
| Maximum Daily Migration Temp | Yukon (CA) | Lower Mainstem | -2.6 | -15.6 | 11.4 |
| Maximum Daily Migration Temp | Yukon (CA) | Mid Mainstem | 5.3 | -10.7 | 21.0 |
| Maximum Daily Migration Temp | Yukon (CA) | Pelly | -17.1 | -27.8 | -6.9 |
| Maximum Daily Migration Temp | Yukon (CA) | Stewart | -25.2 | -40.2 | -10.9 |
| Maximum Daily Migration Temp | Yukon (CA) | Teslin | -6.3 | -18.9 | 6.9 |
| Maximum Daily Migration Temp | Yukon (CA) | Upper Lakes Mainstem | 0.5 | -14.9 | 17.5 |
| Maximum Daily Migration Temp | Yukon (CA) | White-Donjek | -29.5 | -44.9 | -13.2 |
| Maximum daily streamflow | Yukon (CA) | Carmacks | 6.9 | -6.4 | 19.3 |
| Maximum daily streamflow | Yukon (CA) | Lower Mainstem | -13.4 | -28.2 | -0.2 |
| Maximum daily streamflow | Yukon (CA) | Mid Mainstem | -19.0 | -33.8 | -5.4 |
| Maximum daily streamflow | Yukon (CA) | Pelly | -11.1 | -21.4 | -0.8 |
| Maximum daily streamflow | Yukon (CA) | Stewart | -6.5 | -17.6 | 4.6 |
| Maximum daily streamflow | Yukon (CA) | Teslin | -2.9 | -16.1 | 10.9 |
| Maximum daily streamflow | Yukon (CA) | Upper Lakes Mainstem | -18.2 | -34.0 | -4.0 |
| Maximum daily streamflow | Yukon (CA) | White-Donjek | -15.3 | -26.8 | -4.2 |
| Median daily streamflow | Yukon (CA) | Carmacks | -1.2 | -9.5 | 7.5 |
| Median daily streamflow | Yukon (CA) | Lower Mainstem | -2.8 | -12.4 | 6.4 |
| Median daily streamflow | Yukon (CA) | Mid Mainstem | -5.0 | -16.4 | 5.5 |
| Median daily streamflow | Yukon (CA) | Pelly | -2.1 | -11.4 | 7.0 |
| Median daily streamflow | Yukon (CA) | Stewart | -5.0 | -15.6 | 4.4 |
| Median daily streamflow | Yukon (CA) | Teslin | 1.4 | -8.5 | 11.9 |
| Median daily streamflow | Yukon (CA) | Upper Lakes Mainstem | -3.5 | -13.5 | 5.9 |
| Median daily streamflow | Yukon (CA) | White-Donjek | -0.9 | -9.3 | 7.4 |
| River Ice Breakup Date | Yukon (CA) | Carmacks | -10.9 | -19.7 | -2.0 |
| River Ice Breakup Date | Yukon (CA) | Lower Mainstem | -8.3 | -18.1 | 1.9 |
| River Ice Breakup Date | Yukon (CA) | Mid Mainstem | -13.6 | -24.5 | -3.3 |
| River Ice Breakup Date | Yukon (CA) | Pelly | -10.4 | -19.6 | -0.9 |
| River Ice Breakup Date | Yukon (CA) | Stewart | -9.8 | -19.6 | 0.1 |
| River Ice Breakup Date | Yukon (CA) | Teslin | -9.1 | -19.1 | 1.1 |
| River Ice Breakup Date | Yukon (CA) | Upper Lakes Mainstem | -13.0 | -23.8 | -2.5 |
| River Ice Breakup Date | Yukon (CA) | White-Donjek | -9.2 | -18.8 | 0.9 |
| Sea Ice Cover | Yukon (CA) | Carmacks | -6.4 | -12.4 | -0.1 |
| Sea Ice Cover | Yukon (CA) | Lower Mainstem | -6.8 | -13.8 | 0.2 |
| Sea Ice Cover | Yukon (CA) | Mid Mainstem | -4.7 | -11.8 | 3.0 |
| Sea Ice Cover | Yukon (CA) | Pelly | -8.2 | -14.9 | -1.9 |
| Sea Ice Cover | Yukon (CA) | Stewart | -6.7 | -13.4 | -0.1 |
| Sea Ice Cover | Yukon (CA) | Teslin | -6.9 | -13.7 | -0.4 |
| Sea Ice Cover | Yukon (CA) | Upper Lakes Mainstem | -5.3 | -12.4 | 2.3 |
| Sea Ice Cover | Yukon (CA) | White-Donjek | -8.2 | -15.4 | -1.4 |
| Summer Sea Surface Temperature | Yukon (CA) | Carmacks | -3.7 | -14.2 | 5.7 |
| Summer Sea Surface Temperature | Yukon (CA) | Lower Mainstem | -6.3 | -19.2 | 4.4 |
| Summer Sea Surface Temperature | Yukon (CA) | Mid Mainstem | 1.2 | -8.5 | 11.8 |
| Summer Sea Surface Temperature | Yukon (CA) | Pelly | -2.8 | -11.7 | 6.0 |
| Summer Sea Surface Temperature | Yukon (CA) | Stewart | 3.6 | -7.1 | 15.2 |
| Summer Sea Surface Temperature | Yukon (CA) | Teslin | -1.4 | -11.6 | 8.4 |
| Summer Sea Surface Temperature | Yukon (CA) | Upper Lakes Mainstem | 5.7 | -5.8 | 19.9 |
| Summer Sea Surface Temperature | Yukon (CA) | White-Donjek | -2.5 | -12.2 | 7.3 |
| Winter Sea Surface Temperature | Yukon (CA) | Carmacks | 12.9 | 4.5 | 21.4 |
| Winter Sea Surface Temperature | Yukon (CA) | Lower Mainstem | 15.0 | 5.6 | 24.8 |
| Winter Sea Surface Temperature | Yukon (CA) | Mid Mainstem | 13.1 | 4.6 | 22.1 |
| Winter Sea Surface Temperature | Yukon (CA) | Pelly | 12.1 | 3.5 | 20.6 |
| Winter Sea Surface Temperature | Yukon (CA) | Stewart | 11.7 | 3.0 | 20.5 |
| Winter Sea Surface Temperature | Yukon (CA) | Teslin | 11.9 | 3.0 | 20.8 |
| Winter Sea Surface Temperature | Yukon (CA) | Upper Lakes Mainstem | 14.2 | 4.7 | 23.9 |
| Winter Sea Surface Temperature | Yukon (CA) | White-Donjek | 11.7 | 2.7 | 20.4 |
| Body Size | Yukon (US) | Andreafsky East Fork | 26.0 | 0.8 | 48.7 |
| Body Size | Yukon (US) | Chena | 39.3 | 19.3 | 59.4 |
| Body Size | Yukon (US) | Gisasa | 42.9 | 20.7 | 65.6 |
| Body Size | Yukon (US) | Salcha | 34.3 | 16.9 | 51.8 |
| Cross-shelf wind | Yukon (US) | Andreafsky East Fork | -13.7 | -25.6 | -1.9 |
| Cross-shelf wind | Yukon (US) | Chena | -9.0 | -18.5 | 0.8 |
| Cross-shelf wind | Yukon (US) | Gisasa | -16.2 | -28.1 | -5.0 |
| Cross-shelf wind | Yukon (US) | Salcha | -9.9 | -18.3 | -1.6 |
| Daily stream temp | Yukon (US) | Andreafsky East Fork | 10.3 | -2.9 | 25.7 |
| Daily stream temp | Yukon (US) | Chena | 1.6 | -8.4 | 11.3 |
| Daily stream temp | Yukon (US) | Gisasa | 6.7 | -4.3 | 18.6 |
| Daily stream temp | Yukon (US) | Salcha | -0.4 | -11.3 | 9.5 |
| Marine Competitors | Yukon (US) | Andreafsky East Fork | 39.4 | -26.9 | 110.7 |
| Marine Competitors | Yukon (US) | Chena | -14.7 | -47.4 | 17.3 |
| Marine Competitors | Yukon (US) | Gisasa | -7.2 | -60.9 | 44.5 |
| Marine Competitors | Yukon (US) | Salcha | -51.0 | -87.8 | -14.9 |
| Maximum Daily Migration Temp | Yukon (US) | Andreafsky East Fork | -9.1 | -27.6 | 14.1 |
| Maximum Daily Migration Temp | Yukon (US) | Chena | -20.0 | -32.1 | -8.1 |
| Maximum Daily Migration Temp | Yukon (US) | Gisasa | -22.7 | -36.9 | -9.1 |
| Maximum Daily Migration Temp | Yukon (US) | Salcha | -15.2 | -26.2 | -3.9 |
| Maximum daily streamflow | Yukon (US) | Andreafsky East Fork | -7.8 | -22.3 | 5.3 |
| Maximum daily streamflow | Yukon (US) | Chena | -9.1 | -21.1 | 1.7 |
| Maximum daily streamflow | Yukon (US) | Gisasa | 0.9 | -11.6 | 14.7 |
| Maximum daily streamflow | Yukon (US) | Salcha | -6.1 | -15.8 | 3.2 |
| Median daily streamflow | Yukon (US) | Andreafsky East Fork | 4.1 | -13.0 | 25.0 |
| Median daily streamflow | Yukon (US) | Chena | -10.5 | -22.7 | 1.1 |
| Median daily streamflow | Yukon (US) | Gisasa | -3.1 | -17.2 | 11.9 |
| Median daily streamflow | Yukon (US) | Salcha | -10.4 | -21.5 | 0.4 |
| River Ice Breakup Date | Yukon (US) | Andreafsky East Fork | 29.6 | 1.1 | 57.0 |
| River Ice Breakup Date | Yukon (US) | Chena | -9.3 | -21.7 | 2.5 |
| River Ice Breakup Date | Yukon (US) | Gisasa | 5.2 | -10.4 | 20.7 |
| River Ice Breakup Date | Yukon (US) | Salcha | -13.1 | -23.4 | -2.4 |
| Sea Ice Cover | Yukon (US) | Andreafsky East Fork | -1.4 | -12.2 | 9.5 |
| Sea Ice Cover | Yukon (US) | Chena | -4.1 | -14.8 | 6.2 |
| Sea Ice Cover | Yukon (US) | Gisasa | 2.8 | -8.2 | 13.6 |
| Sea Ice Cover | Yukon (US) | Salcha | -4.6 | -14.4 | 5.1 |
| Summer Sea Surface Temperature | Yukon (US) | Andreafsky East Fork | -19.7 | -32.3 | -8.1 |
| Summer Sea Surface Temperature | Yukon (US) | Chena | -17.8 | -29.2 | -6.7 |
| Summer Sea Surface Temperature | Yukon (US) | Gisasa | -22.3 | -35.2 | -9.9 |
| Summer Sea Surface Temperature | Yukon (US) | Salcha | -10.6 | -21.9 | 1.7 |
| Winter Sea Surface Temperature | Yukon (US) | Andreafsky East Fork | 14.9 | 3.5 | 25.9 |
| Winter Sea Surface Temperature | Yukon (US) | Chena | 24.0 | 13.1 | 35.9 |
| Winter Sea Surface Temperature | Yukon (US) | Gisasa | 16.0 | 5.1 | 26.4 |
| Winter Sea Surface Temperature | Yukon (US) | Salcha | 24.2 | 13.2 | 36.1 |