Sockeye alpha beta beta.std 2.5 0.00015 2.0 1.5 0.00010 -1.0 region AK Peninsula 0.00005 0.5 AYK **Bristol Bay** 0.00000 Chignik Cook Inlet sigma\_oe sigma\_pdo sigma\_npgo Kodiak 1.25 0.4 **PWS SEAK** 1.00 WA 0.3 WC 0.75 0.2 0.2 0.50 0.1 0.0 0.25 Region

## Chinook alpha beta.std beta 2.0 6e-04 2 1.5 4e-04 Distribution of Median Parameter Estimates 1.0 region 2e-04 AYK 0.5 Bristol Bay 0e+00 Cook Inlet sigma\_oe sigma\_pdo sigma\_npgo Westward Southeast 1.5 Kuskokwim 1.5 2 Norton Sound 1.0 0.5 0.5 0.0 Region

Pink alpha beta beta.std 2.0e-05 2 1.0 region 1.5e-05 AK Peninsula Distribution of Median Parameter Estimates 1.0e-05  $\mathsf{AYK}$ **Bristol Bay** 0.5 5.0e-06 Chignik Cook Inlet 0.0e+00 Kodiak **PWS** sigma\_npgo sigma\_oe sigma\_pdo **SEAK** 0.3 Inside WA 0.75 Fraser River 1.5 -BC South **BC** Central 0.2 0.50 BC North 1.0 Yakutat 0.25 0.1 0.5 -Region

## Chum alpha beta beta.std 3e-04 1.5 region 2 2e-04 AK Peninsula Distribution of Median Parameter Estimates 1.0 AYK **Bristol Bay** 1e-04 Chignik 0.5 Cook Inlet Kodiak 0e+00 **PWS** sigma\_pdo sigma\_npgo sigma\_oe **SEAK** 0.8 Inside WA 8.0 Fraser River 0.9 **BC** South 0.6 0.6 **BC** Central **BC North** 0.4 0.6 -0.4 Yakutat Outside WA 0.2 0.2 0.3 Region