

## Chinook Precipitation accumulation Alpine accumulation Natural PCA 2 Elevation -0.00486-0.00480-0.00483 -0.00484-0.00487-0.00482-0.00485-0.00486-0.00484-0.00488-0.00487-0.00488-0.00486-0.00489-0.004891000 1500 2000 0e+002e+104e+106e+108e+10 Avg Aug stream temperature Natural PCA 1 Flow accumulation Gravel accumulation -0.004850-0.00484-0.004845-0.00481 -0.004846-0.00482-0.004852 **-**-0.00485-0.004847-0.00483-0.004848-0.004854 **-**-0.00484Prediction per meter<sup>2</sup> -0.00486-0.004849 --0.00485-0.004856 -0.004850 -0.00486-0.004870.0e+005.0e+071.0e+081.5e+08 15 20 0.0e+00 5.0e+07 1.0e+08 1.5e+08 10 Disturbance PCA 1 Floodplain width Sinuosity Fines accumulation -0.004850 <del>-</del> -0.004846-0.0048541 -0.004835-0.004855-0.004848 -0.0048542-0.004840 -0.004860 -0.0048543-0.004850-0.004865 -0.004845 -0.0048544-0.004852 -0.004870-0.0048545 -0.004850 -0.0048751000 2000 3000 1.0 1.5 2.0 2.5 0e+00 2e+06 4e+06 6e+06 0 Gradient % -0.004840 $-0.004844 \cdot$ -0.004848 **-**-0.004852Covariate Value Entiat Minam Tucannon Wenatchee

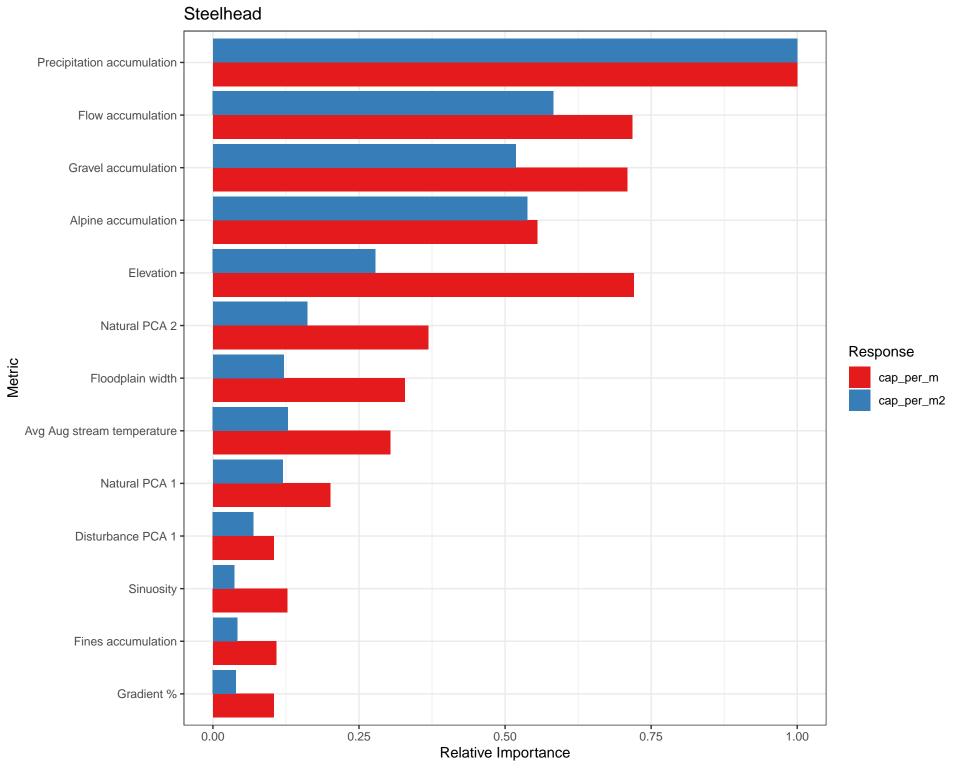
Lemhi

Methow —

South Fork Salmon

Upper Grande Ronde — Yankee Fork

Watershed

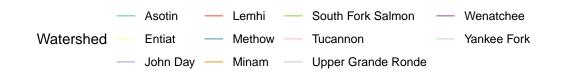


## Steelhead Precipitation accumulation Elevation Flow accumulation Gravel accumulation -0.00355-0.00380 --0.0037-0.00385-0.00360-0.00385-0.00390-0.00365-0.0038-0.00370 --0.00390-0.00395-0.0039-0.00375 **-**-0.00400-0.00395 -0.003800e+002e+104e+106e+108e+10 0.0e+00 5.0e+07 1.0e+08 1.5e+08 0.0e+005.0e+071.0e+081.5e+08 1000 1500 2000 Natural PCA 2 Floodplain width Avg Aug stream temperature Alpine accumulation -0.00370 **-**-0.00360-0.0039 -0.00375 **-**-0.003800 -0.00365-0.00370-0.0040-0.00380 **-**-0.00375Prediction per meter -0.003805 -0.00380-0.0041-0.00385 -0.0038515 2 1000 2000 3000 10 20 Natural PCA 1 Disturbance PCA 1 Sinuosity Fines accumulation -0.00373-0.00379-0.00370-0.00381 --0.00375-0.00380-0.00375-0.00382 **-**-0.00377-0.00381-0.00380-0.00383-0.00379-0.00385-0.00382-0.00384 -0.003810e+00 2e+06 4e+06 6e+06 -2 0 1.0 1.5 2.0 2.5 -3 -2 Gradient % -0.003795-0.003805-0.003815-0.003825



0

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## Steelhead Alpine accumulation Precipitation accumulation Flow accumulation Gravel accumulation -0.00486 --0.004895 --0.00491 **-**-0.004896-0.00488-0.004900-0.00492-0.004900 -0.00490-0.00493-0.004905-0.004904-0.00492-0.00494-0.004908-0.0049100e+002e+104e+106e+108e+10 0.0e+05.0e+071.0e+081.5e+08 0.0e+005.0e+071.0e+081.5e+08 Floodplain width Elevation Natural PCA 2 Avg Aug stream temperature -0.004885-0.00487-0.004901 **-**-0.004890-0.00488-0.00489-0.004895-0.004902-0.004900-0.00489Prediction per meter<sup>2</sup> -0.004903-0.00490-0.004905-0.00490-0.004910 -0.004904500 1000 1500 2000 1000 2000 0 10 15 20 3000 Natural PCA 1 Fines accumulation Gradient % Disturbance PCA 1 -0.0049015 -0.004901-0.00489 --0.0049041 -0.0049020-0.004902-0.00490-0.0049044-0.0049025-0.004903 -0.0049047 -0.00491-0.0049030 0 0e+00 2e+06 4e+06 6e+06 -2 0 Sinuosity -0.0049005-0.0049010 **-**-0.0049015 **-**-0.0049020 **-**-0.00490251.5 2.5 1.0 2.0 Covariate Value

