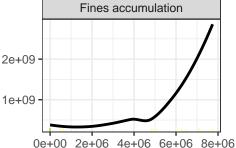


Chinook Floodplain width Avg Aug stream temperature Elevation Gravel accumulation 6e+11 -2.0e+11 4e+11 7.5e+11 1.5e+11 3e+11 4e+11 5.0e+11 1.0e+11 2e+11 2e+11 -2.5e+11 5.0e+10 1e+11 0e+00 0.0e+000.0e+000e+00 10.0 12.5 15.0 17.5 1000 2000 3000 500 1000 1500 2000 0.0e+050.0e+016.0e+017.5e+027.0e+07 Sinuosity Precipitation accumulation Natural PCA 2 Flow accumulation 4e+11 9e+07 6e+11 6e+09 -6e+07 3e+11 4e+11 4e+09 -3e+07 2e+11 2e+09 -2e+11 0e+00 0e+00 0e+00 1e+07 2e+07 3e+07 2.5 2.0 1e+10 2e+10 3e+10 1.0 1.5 0e+00 0e+00 0 Natural PCA 1 Alpine accumulation Gradient % Disturbance PCA 1 2.5e+10 1.6e+09 6e+09 3e+09 -2.0e+10 1.2e+09 1.5e+10 2e+09 -4e+09 1.0e+10 1e+09 -8.0e+08 2e+09 5.0e+09 0e+00 0.0e+000e+00 · 4.0e+08 0e+00 3e+05 6e+05 9e+05 -2 2 Fines accumulation

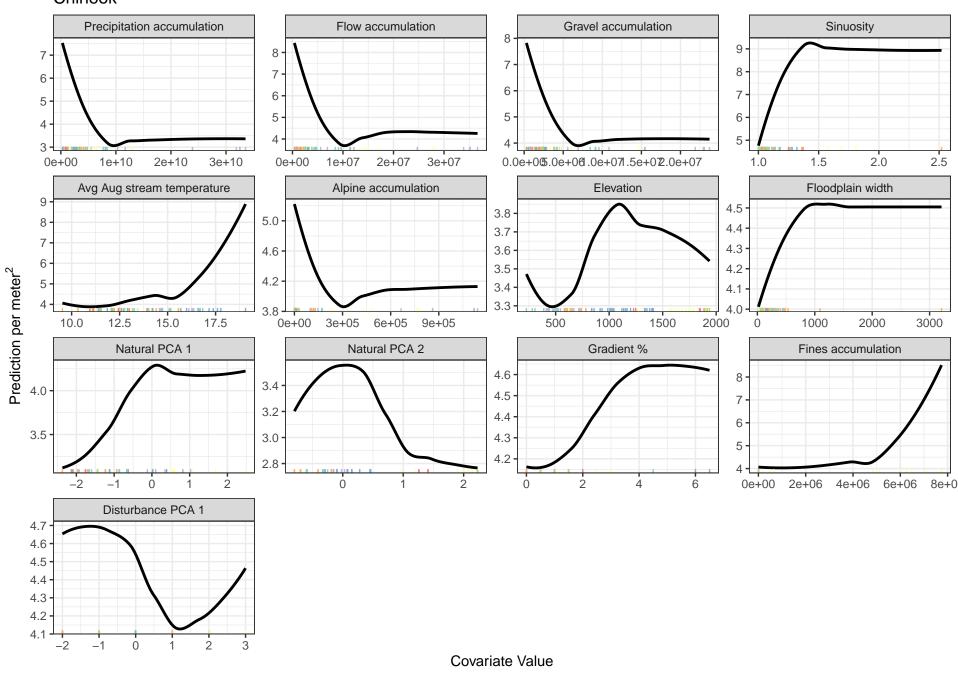


Prediction per meter

Covariate Value



Chinook

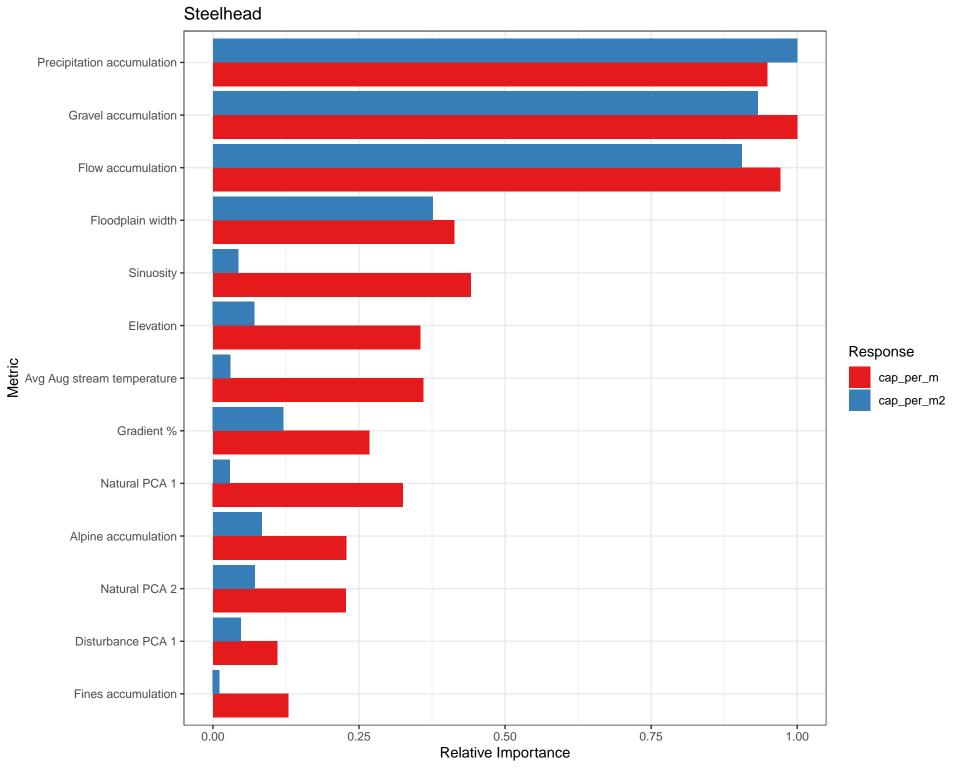


Lemhi — South Fork Salmon — Wenatchee

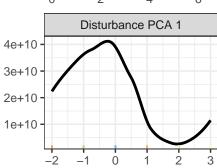
Entiat — Methow

Watershed

— Upper Grande Ronde — Yankee Fork



Steelhead Precipitation accumulation Sinuosity Gravel accumulation Flow accumulation 5e+16 7.5e+27 -4e+16 1e+30 1e+30 · 3e+16 5.0e+27 2e+16 5e+29 5e+29 · 2.5e+27 · 1e+16 0e+00 0e+00 0.0e+000e+00 0e+00 1e+07 2e+07 3e+07 2e+10 3e+10 1.5 0.0e+0500e+0160e+017.5e+027.0e+07 0e+00 1e+10 2.0 2.5 1.0 Floodplain width Avg Aug stream temperature Natural PCA 1 Elevation 1.5e+13 · 1.2e+10 1.5e+15 -7.5e + 131.0e+13 -8.0e+09 1.0e+15 -5.0e+13 5.0e+12 -4.0e+09 · 5.0e+14 · 2.5e+13 · 0.0e+00 0.0e+000.0e+000.0e+00 -5.0e+12 12.5 1000 3000 15.0 1500 2000 2000 10.0 17.5 500 1000 Gradient % Alpine accumulation Natural PCA 2 Fines accumulation 6e+12 -2.0e+11 -3e+12 · 1e+10 -1.5e+11 8e+09 4e+12 -2e+12 1.0e+11 -6e+09 2e+12 -1e+12 · 5.0e+10 4e+09 · 0e+00 0e+00 0e+00 3e+05 6e+05 9e+05 0e+00 2e+06 4e+06 6e+06 8e+0



Prediction per meter

Covariate Value



Steelhead Precipitation accumulation Gravel accumulation Flow accumulation Floodplain width 600 2.0e+07 -3e+07 1.5e+08 400 1.5e+07 -2e+07 1.0e+08 200 1.0e+07 -1e+07 5.0e+07 5.0e+06 -0 0.0e+000e+00 0.0e + 00-200 0e+00 1e+07 2e+07 3e+07 0.0e+06.0e+06.0e+07.5e+027.0e+07 0e+00 1e+10 2e+10 3e+10 1000 2000 3000 Gradient % Alpine accumulation Natural PCA 2 Elevation 25 6.0 6.75 20 8 5.5 -6.50 15 5.0 -Prediction per meter² 6.25 6 10 6.00 4.5 -5 · 0e+00 3e+05 6e+05 9e+05 500 1000 1500 2000 Disturbance PCA 1 Sinuosity Avg Aug stream temperature Natural PCA 1 6.9 30 7.00 6.6 8 25 6.75 6.3 20 6.50 6 -6.25 15 6.0 -6.00 5.7 2.5 12.5 -2 1.0 1.5 2.0 10.0 15.0 17.5 -2 Fines accumulation 12 -10 8 -0e+00 2e+06 4e+06 6e+06 8e+06

Covariate Value

