

Wood Cover and Steelhead Habitat Density Scalar

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Species Information

Common Name: Steelhead Trout
Genus: *Oncorhynchus mykiss*

Stressor Details

Stressor Name: Wood Cover
Units: Wood Complexity Rating
Metric: Wood Cover
Scale: linear
Function Type: continuous
Vital Rate/Process: Density

Life Stage & Context

Life Stages: Parr

Descriptions

Overview

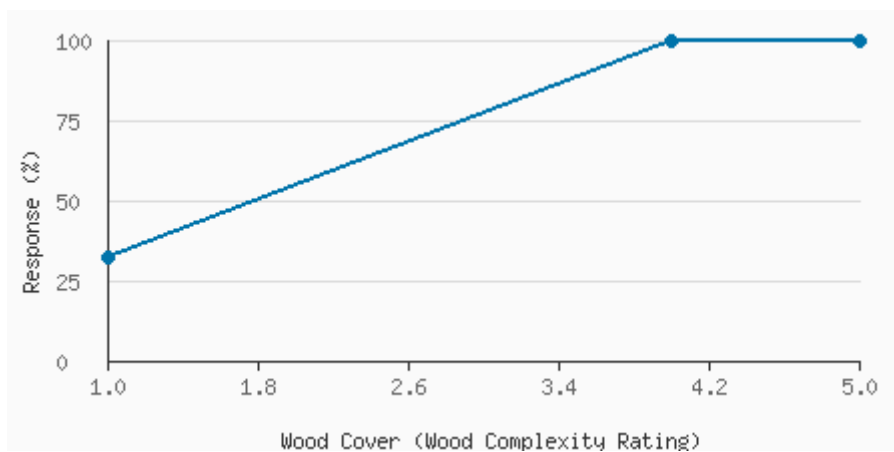
Figure 2. Habitat preference relationships applied within the UCM for scaling standard parr densities to those expected under the specific habitat features in a given stream.

Scaled from the original curve so that the highest upper limit value equals to 100%.

Function Derivation

expert opinion

Stressor Response Data



| Stressor (X) | Mean System Capacity (%) | SD | low.limit | up.limit |
|--------------|--------------------------|----|-----------|----------|
| 1 | 32.06521739 | 0 | 0 | 100 |
| 4 | 100 | 0 | 0 | 100 |
| 5 | 100 | 0 | 0 | 100 |

Citations

Cramer, S. P., & Ackerman, N. K. (2009). Prediction of stream carrying capacity for steelhead (*Oncorhynchus mykiss*): the unit characteristic method. In American Fisheries Society, Series: Symposium (Vol. 71, pp. 255-288).

References

Cramer & Ackerman 2009 - https://www.researchgate.net/profile/Steven-Cramer-4/publication/228957643_Prediction_of_stream_carrying_capacity_for_steelhead_the_unit_characteristic_method/links/00b495193f52d051of-stream-carrying-capacity-for-steelhead-the-unit-characteristic-method.pdf