

# Winter cover and Steelhead Habitat Density Scalar

Downloaded on: 2026-07-04, From: <https://mjbayly.com/stressor-response/winter-cover-and-steelhead-habitat-density-scalar>  
Function Updated by stobias on Mon, 12/16/2024 - 00:31.

## Species Information

**Common Name:** Steelhead Trout  
**Genus:** *Oncorhynchus mykiss*

## Stressor Details

**Stressor Name:** Winter cover  
**Units:** %  
**Metric:** Proportion of substrate in cobble  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** Density

## Life Stage & Context

**Life Stages:** Parr

## Descriptions

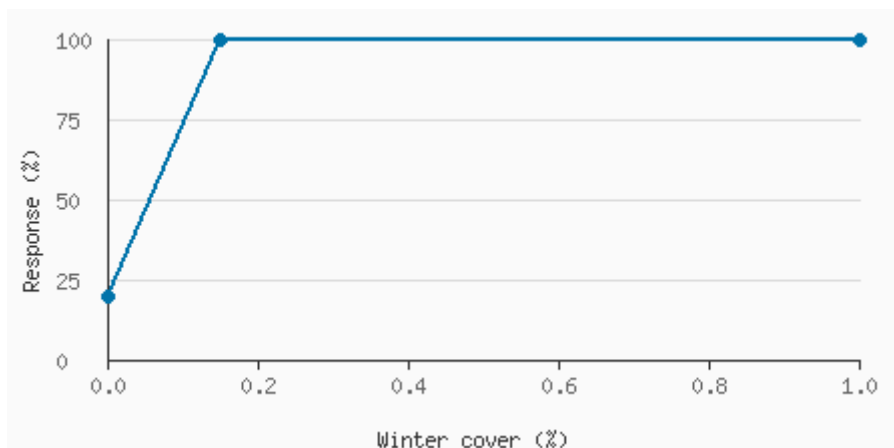
### Overview

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.

### Function Derivation

expert opinion

## Stressor Response Data



Stressor (X)	Mean System Capacity (%)	SD	low.limit	up.limit
0	20	0	0	100
0.15	100	0	0	100
1	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](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)