

# Mean Annual Discharge and Brown Trout

Downloaded on: 2026-01-29, From: <https://mjbayly.com/stressor-response/mean-annual-discharge-and-brown-trout-0>  
Function Updated by mjbayly on Thu, 04/24/2025 - 18:53.

## Species Information

**Common Name:** Brown Trout

**Genus:** *Salmo trutta*

## Stressor Details

**Stressor Name:** Flow

**Units:** %

**Metric:** Mean Annual Discharge (MAD)

**Scale:** linear

**Function Type:** continuous

**Vital Rate/Process:** Large Brown Trout/km

## Life Stage & Context

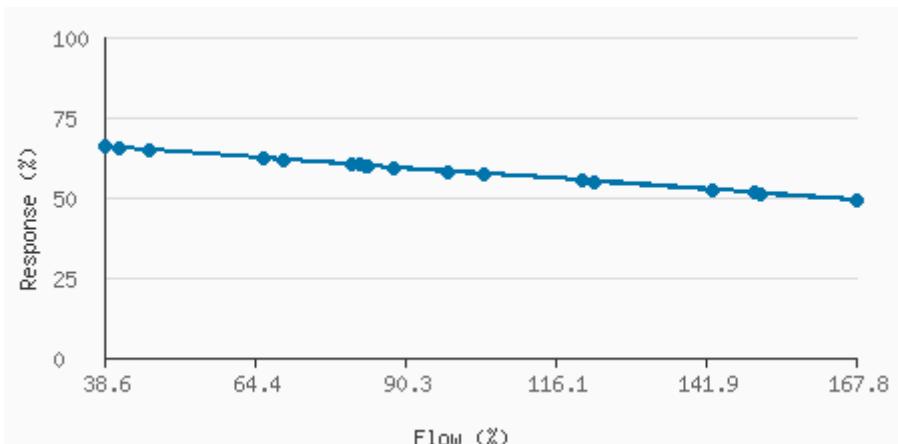
**Life Stages:** Adults

**Geography:** Colorado Rocky Mountain Streams

**Season:** All seasons

## Descriptions

### Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
38.593	65.80291	0	0	100
41.199	65.46413	0	0	100
46.412	64.78644	0	0	100
65.986	62.24182	0	0	100
69.27	61.8149	0	0	100
81.311	60.24957	0	0	100
82.406	60.10722	0	0	100
83.501	59.96487	0	0	100
84.048	59.89376	0	0	100
88.426	59.32462	0	0	100
97.731	58.11497	0	0	100

103.751	57.33237	0	0	100
120.718	55.12666	0	0	100
122.908	54.84196	0	0	100
143.158	52.20946	0	0	100
150.274	51.28438	0	0	100
151.368	51.14216	0	0	100
167.788	49.00756	0	0	100
120.7	55.129	0	0	100
84	59.9	0	0	100
84	59.9	0	0	100
66	62.24	0	0	100

## Citations

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Wilding, T.K., Bledsoe, B., Poff, N.L., and Sanderson, J. 2013. Predicting habitat response to flow using generalized habitat models for trout in Rocky Mountain Streams. *River Res. Applic.* DOI: 10.1002/rra