Mean Annual Discharge and Brown Trout

Downloaded on: 2026-11-09, From: https://mjbayly.com/stressor-response/mean-annual-discharge-and-brown-trout-0
Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:12.

Species Information

Common Name: Brown Trout
Genus: Salmo trutta

Stressor Details

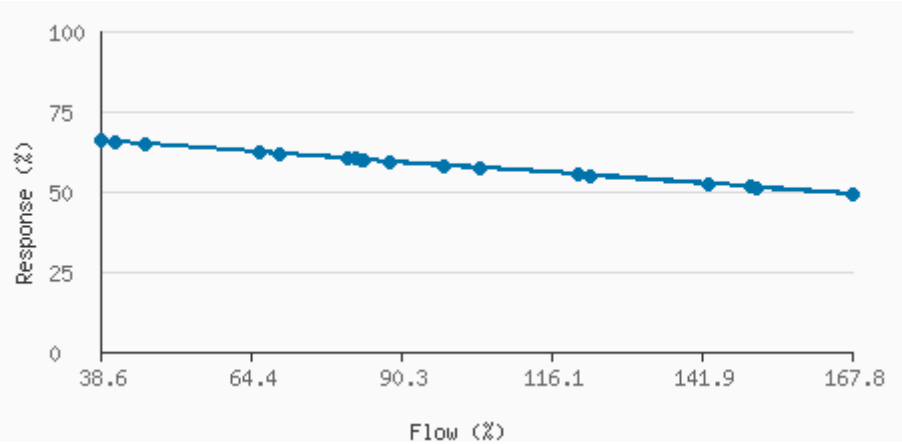
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Large Brown Trout/km

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

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