

# Mean Annual Discharge and Brown Trout

Downloaded on: 2026-06-11, From: <https://mjbayly.com/stressor-response/mean-annual-discharge-and-brown-trout-1>  
Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:11.

## Species Information

**Common Name:** Brown Trout  
**Genus:** Salmo trutta

## Stressor Details

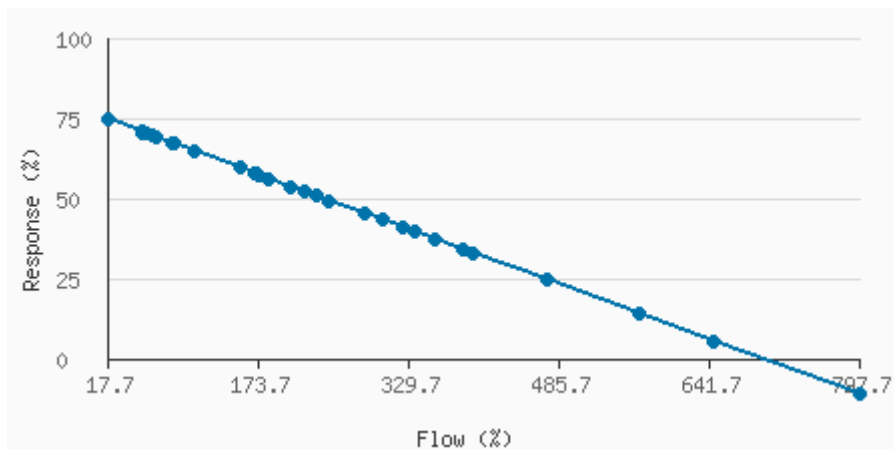
**Stressor Name:** Flow  
**Units:** %  
**Metric:** Mean Annual Discharge (MAD)  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** Density standardized to site maximum

## Life Stage & Context

**Life Stages:** Adults, Juvenile  
**Geography:** Arkansas, Gunnison, Rio Grande, South Platte and Cache la Poudre  
**Activity:** All activities  
**Season:** All seasons

## Descriptions

## Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
17.71	74.7019	0	0	100
54	70.71	0	0	100
54.93	70.6077	0	0	100
58.66	70.1974	0	0	100
64.24	69.5836	0	0	100
69.43	69.0127	0	0	100
85.64	67.2296	0	0	100
87.5	67.025	0	0	100
108.91	64.6699	0	0	100
156.59	59.4251	0	0	100

170.33	57.9137	0	0	100
172.19	57.7091	0	0	100
173.12	57.6068	0	0	100
174.31	57.4759	0	0	100
186.13	56.1757	0	0	100
208.29	53.7381	0	0	100
221.59	52.2751	0	0	100
234.88	50.8132	0	0	100
248.18	49.3502	0	0	100
285.11	45.2879	0	0	100
302.83	43.3387	0	0	100
304.31	43.1759	0	0	100
323.52	41.0628	0	0	100
336.81	39.6009	0	0	100
357.49	37.3261	0	0	100
387.04	34.0756	0	0	100
397.38	32.9382	0	0	100
474.19	24.4891	0	0	100
570.22	13.9258	0	0	100
647.03	5.4767	0	0	100
797.71	-11.0981	0	0	100

## Citations

Wilding, T.K., and Poff, L. 2008. Flow-ecology relationships for the watershed flow evaluation tool: Appendix B. 49pp.