Mean Annual Discharge and Brown Trout

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Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:11.

Species Information

Common Name: Brown Trout
Genus: Salmo trutta

Stressor Details

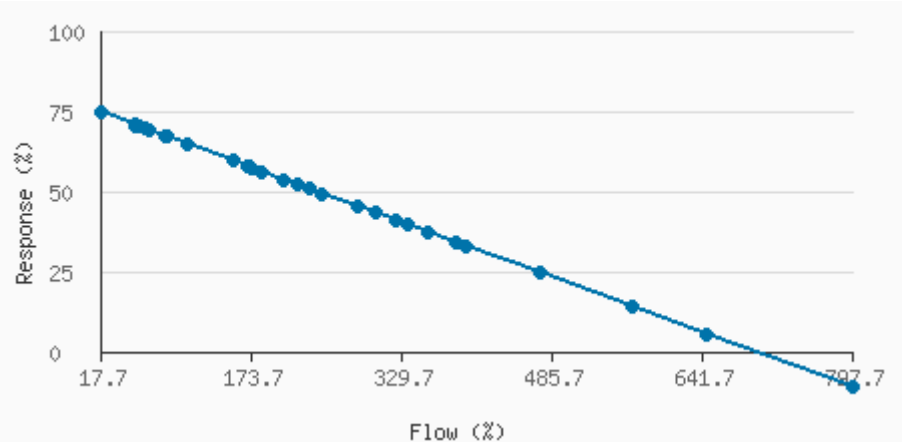
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Density standardized to site maximum

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.