Mean Annual Discharge and Rainbow Trout

Downloaded on: 2026-11-23, From: https://mjbayly.com/stressor-response/mean-annual-discharge-and-rainbow-trout-0
Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:26.

Species Information

Common Name: Rainbow Trout
Genus: Oncorhynchus mykiss

Stressor Details

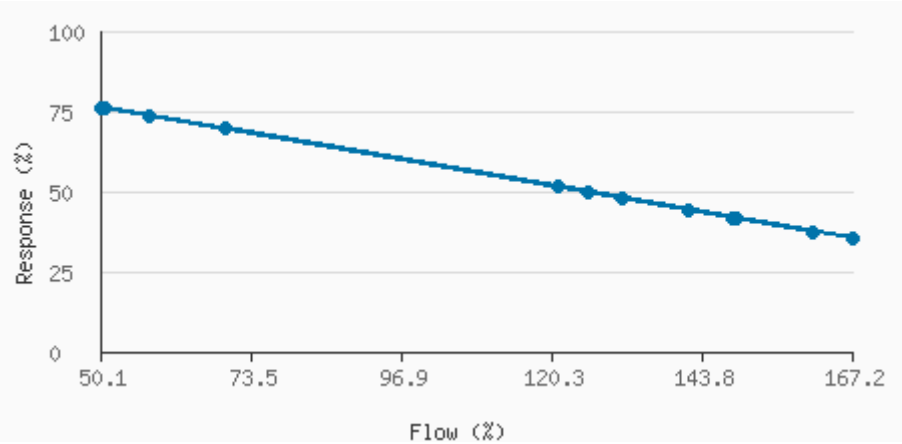
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Biomass

Life Stage & Context

Life Stages: All life stages
Geography: Harrison Lake watershed, British Columbia, Canada
Season: May-Sept

Descriptions

Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
167.1910104	35.2431464	0	0	100
131.5106984	47.7312556	0	0	100
167.1910104	35.2431464	0	0	100
69.46320481	69.4478783	0	0	100
141.5949922	44.2017527	0	0	100
126.2410016	49.5756494	0	0	100
141.5949922	44.2017527	0	0	100
50.96557121	75.9220501	0	0	100
161.1725406	37.3496108	0	0	100
148.5619929	41.7633025	0	0	100
161.1725406	37.3496108	0	0	100

57.70753043	73.5623643	0	0	100
149.1124749	41.5706338	0	0	100
121.4488978	51.2528858	0	0	100
149.1124749	41.5706338	0	0	100
50.08082832	76.2317101	0	0	100

Citations

Hocking, M.D., Faulkner, S.G., Akaoka, K., Harwood, A., Hatfield, T., and Lewis, F.J.A. 2021. Surprising salmonid response to water diversion at four run-of-river hydroelectric projects in British Columbia. Can. J. Fish. Aquat. Sci. 78: 1383-1396.