

Mean Annual Discharge and Atlantic Salmon

Downloaded on: 2026-05-25, From: <https://mjbayly.com/stressor-response/mean-annual-discharge-and-atlantic-salmon-2>
Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:38.

Species Information

Common Name: Atlantic Salmon
Genus: Salmo salar

Stressor Details

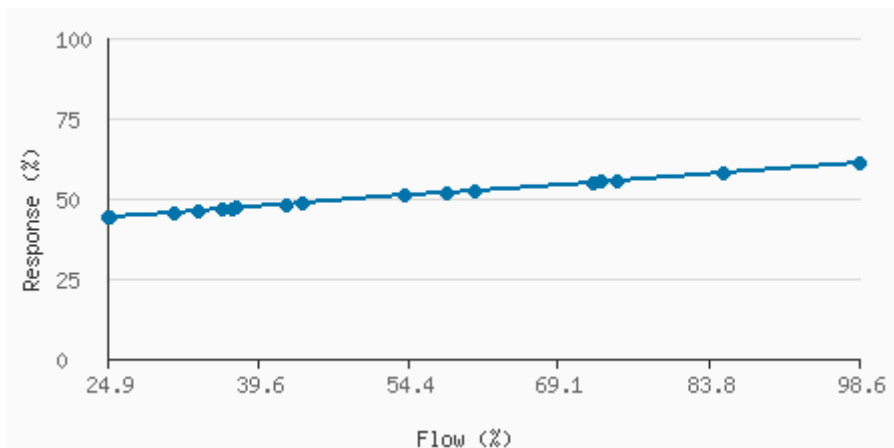
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Abundance

Life Stage & Context

Life Stages: Smolt
Geography: Catamaran Brook, NB, Canada
Season: Winter

Descriptions

Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
24.91769231	43.9710692	0	0	100
25.26738462	44.0514985	0	0	100
31.50723077	45.4866631	0	0	100
33.78138462	46.0097185	0	0	100
36.19030769	46.5637708	0	0	100
37.26046154	46.8099062	0	0	100
37.62738462	46.8942985	0	0	100
42.44338462	48.0019785	0	0	100
44.09461538	48.3817615	0	0	100
54.08276923	50.6790369	0	0	100
58.12476923	51.6086969	0	0	100

60.88615385	52.2438154	0	0	100
72.52969231	54.9218292	0	0	100
73.246	55.08658	0	0	100
74.80861538	55.4459815	0	0	100
85.37307692	57.8758077	0	0	100
98.56138462	60.9091185	0	0	100

Citations

Cunjak, R.A., Linnansaari, T., and Caissie, D. 2013. The complex interaction of ecology and hydrology in a small catchment: a salmon's perspective. *Hydrol. Process.* 27: 741-749.