

Mean Annual Discharge and Atlantic Salmon

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Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:38.

Species Information

Common Name: Atlantic Salmon
Genus: Salmo salar

Stressor Details

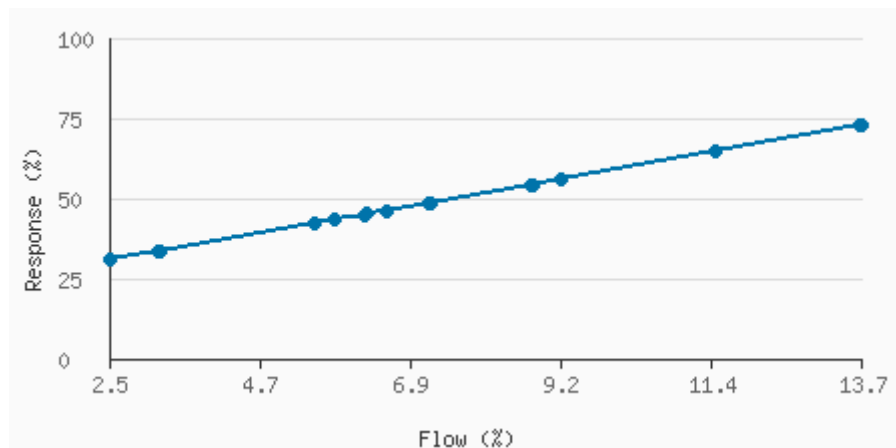
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Density change (%)

Life Stage & Context

Life Stages: Fry
Geography: Catamaran Brook, NB, Canada
Season: Summer

Descriptions

Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
2.451846154	30.6353862	0	0	100
2.452307692	30.6371077	0	0	100
3.18	33.3514	0	0	100
3.230923077	33.5413431	0	0	100
5.535692308	42.1381323	0	0	100
5.535846154	42.1387062	0	0	100
5.828461538	43.2301615	0	0	100
5.828615385	43.2307354	0	0	100
6.286153846	44.9373538	0	0	100
6.309076923	45.0228569	0	0	100
6.598461538	46.1022615	0	0	100

7.223692308	48.4343723	0	0	100
7.251846154	48.5393862	0	0	100
8.766923077	54.1906231	0	0	100
8.790769231	54.2795692	0	0	100
9.205384615	55.8260846	0	0	100
11.51876923	64.4550092	0	0	100
13.68876923	72.5491092	0	0	100
13.69	72.5537	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.