Mean Annual Discharge and Steelhead

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Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:15.

Species Information

Common Name: Steelhead
Genus: Oncorhynchus mykiss irideus

Stressor Details

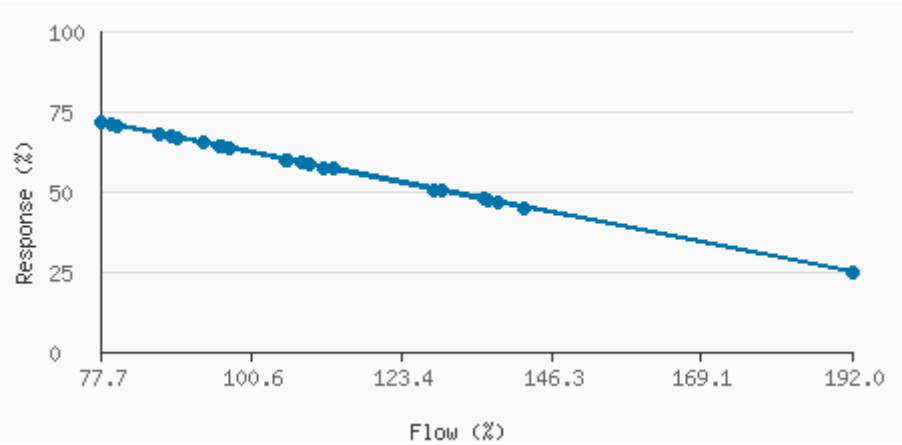
Stressor Name: Flow
Units: %
Metric: Mean Annual Discharge (MAD)
Scale: linear
Function Type: continuous
Vital Rate/Process: Standardized Catch per Angler Day Deviate (i.e. an index of adult steelhead abundance in the Skeena) transformed to positive values

Life Stage & Context

Life Stages: Adults
Geography: Skeena River, British Columbia, Canada
Season: Summer

Descriptions

Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
106.2222222	59.7388889	0	0	100
93.33333333	65.0233333	0	0	100
136.6666667	47.2566667	0	0	100
129.7921147	50.075233	0	0	100
113.1792114	56.8865233	0	0	100
135.9390681	47.5549821	0	0	100
111.827957	57.4405376	0	0	100
142.2258064	44.9774194	0	0	100
108.3512545	58.8659857	0	0	100
191.9820789	24.5773477	0	0	100
105.874552	59.8814337	0	0	100

96.21863799	63.8403584	0	0	100
89.34050179	66.6603943	0	0	100
88.55913979	66.9807527	0	0	100
95.72043011	64.0446237	0	0	100
79.44086021	70.7192473	0	0	100
109.4767025	58.404552	0	0	100
138.2616488	46.602724	0	0	100
97.31541219	63.390681	0	0	100
86.6344086	67.7698925	0	0	100
77.69892473	71.4334409	0	0	100
128.5376344	50.5895699	0	0	100
80.16845878	70.4209319	0	0	100

Citations

Smith, B.D. 2000. Trends in wild adult steelhead (Oncorhynchus mykiss) abundance for snowmelt-driven watersheds of British Columbia in relation to freshwater discharge. Can. J. Fish. Aquat. Sci. 57:285-297.