

# Mean Annual Discharge and Brook Trout

Downloaded on: 2026-06-11, From: <https://mjbayly.com/stressor-response/mean-annual-discharge-and-brook-trout-0>  
Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:19.

## Species Information

**Common Name:** Brook Trout  
**Genus:** *Salvelinus fontinalis*

## Stressor Details

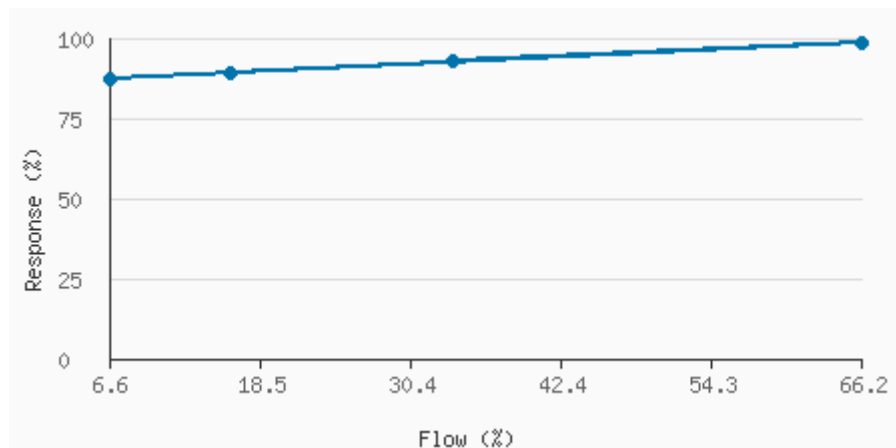
**Stressor Name:** Flow  
**Units:** %  
**Metric:** Mean Annual Discharge (MAD)  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** Growth

## Life Stage & Context

**Life Stages:** Adults, Juvenile  
**Geography:** Hunt Creek, Michigan, USA  
**Season:** Spring to Fall

## Descriptions

## Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
66.17647059	98.7135294	0	0	100
66.17647059	98.7135294	0	0	100
33.82352941	92.5664706	0	0	100
66.17647059	98.7135294	0	0	100
16.17647059	89.2135294	0	0	100
66.17647059	98.7135294	0	0	100
6.617647059	87.3973529	0	0	100
66.17647059	98.7135294	0	0	100

## Citations

Andrew J. Nuhfer, Troy G. Zorn, Todd C. Wills. 2017. Effects of reduced summer flows on the brook trout population and temperatures of a groundwater-influenced stream. *Ecology of Freshwater Fish* 2017: 26: 108–119.