

# Mean Annual Discharge and Coastal Cutthroat Trout

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Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:14.

## Species Information

**Common Name:** Coastal Cutthroat Trout  
**Genus:** *Oncorhynchus clarkii clarki*

## Stressor Details

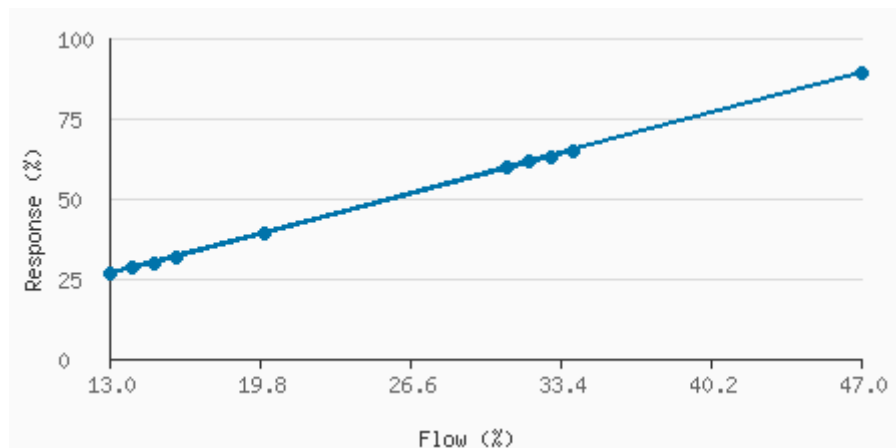
**Stressor Name:** Flow  
**Units:** %  
**Metric:** Mean Annual Discharge (MAD)  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** % change from the previous year in estimated total redds

## Life Stage & Context

**Life Stages:** Adults  
**Geography:** Irely Creek, Washington, USA  
**Season:** All seasons

## Descriptions

## Stressor Response Data



| ?PERCENT_MAD | Mean System Capacity (%) | SD | low.limit | up.limit |
|--------------|--------------------------|----|-----------|----------|
| 33           | 63.1                     | 0  | 0         | 100      |
| 13           | 26.3                     | 0  | 0         | 100      |
| 15           | 29.98                    | 0  | 0         | 100      |
| 34           | 64.94                    | 0  | 0         | 100      |
| 13           | 26.3                     | 0  | 0         | 100      |
| 14           | 28.14                    | 0  | 0         | 100      |
| 20           | 39.18                    | 0  | 0         | 100      |
| 32           | 61.26                    | 0  | 0         | 100      |
| 16           | 31.82                    | 0  | 0         | 100      |
| 31           | 59.42                    | 0  | 0         | 100      |
| 47           | 88.86                    | 0  | 0         | 100      |

## Citations

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Vadas, R.L. Jr., Beecher, H.A., Boessow, S.N., and Kohr, J.H. 2016. Coastal cutthroat trout redd counts impacted by natural water supply variations. *North Am. J. Fish. Manag.* 36:900-912.