

# Mean Annual Discharge and Chinook Salmon

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Function Updated by jrosenfeld on Tue, 02/24/2026 - 21:03.

## Species Information

**Common Name:** Chinook Salmon  
**Genus:** *Oncorhynchus tshawytscha*

## Stressor Details

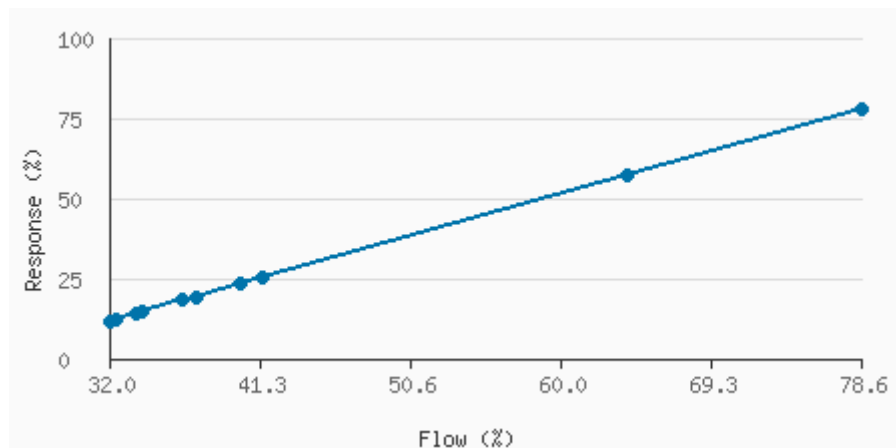
**Stressor Name:** Flow  
**Units:** %  
**Metric:** Mean Annual Discharge (MAD)  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** Egg-smolt survival

## Life Stage & Context

**Life Stages:** Juvenile  
**Geography:** Lehm River, Washington, USA  
**Season:** Fall-Early Summer

## Descriptions

## Stressor Response Data



?PERCENT_MAD	Mean System Capacity (%)	SD	low.limit	up.limit
32.01639344	11.6932787	0	0	100
32.48688525	12.3613771	0	0	100
33.73934426	14.1398688	0	0	100
34.05245902	14.5844918	0	0	100
36.56065574	18.1461312	0	0	100
37.42459016	19.372918	0	0	100
40.16721311	23.2674426	0	0	100
41.5	25.16	0	0	100
64.08196721	57.2263934	0	0	100
78.59180328	77.8303607	0	0	100

## Citations

Arthaud, D.L., Greene, C.M., Guilbault, K., and Morrow, J.V. Jr. 2010. Contrasting life-cycle impacts of stream flow on two Chinook salmon populations. *Hydrobiologia* 655: 171-188.