Rempel et al 2012: Depth and Rainbow Trout Parr HSI (Raleigh)

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Species Information

Common Name: Rainbow Trout
Genus: Oncorhynchus mykiss

Stressor Details

Stressor Name: Depth
Units: m
Metric: Water depth
Scale: linear
Function Type: continuous

Life Stage & Context

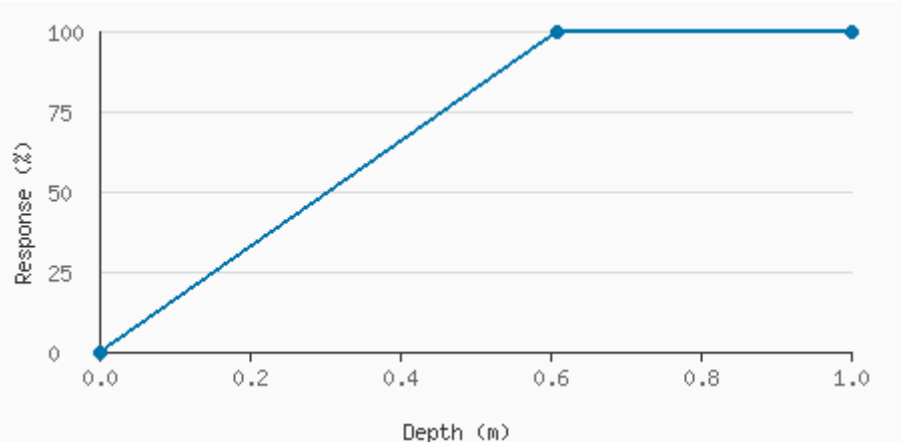
Life Stages: Parr

Descriptions

Overview

> For Fraser River Rainbow Trout yearlings, depth suitability is similar though slightly shallower compared to the WUP Delphi curve. Suitability also tapers off beyond 90 cm depth for Fraser fish.
>
> Depth units converted from cm to m.

Stressor Response Data



Stressor (X)	Mean System Capacity (%)	SD	low.limit	up.limit
0.00	0.00	0.00	0.00	0.00
0.61	100.00	0.00	100.00	100.00
1.00	100.00	0.00	100.00	100.00

Citations

Rempel, L. L., Healey, K., & Lewis, F. J. A. (2012). Lower Fraser River juvenile fish habitat suitability criteria. Ecosystem Management Branch, Fisheries and Oceans Canada.

Raleigh, R. F. (1984). Habitat suitability information: rainbow trout. Western Energy and Land Use Team, Division of Biological Services, Research and Development, Fish and Wildlife Service, US Department of the Interior.

References

Rempel et al. 2012 - https://www.ecofishresearch.com/wp-content/uploads/2016/09/346413.pdf

Raleigh et al. 1984 - https://sitesreservoirproject.riptideweb.com/references/REF21/_Ch11_AquaticBiologicalResources/Raleigh_et_al_1984_USFWS_HSI_ste