

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

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Function Updated by stobias on Fri, 12/27/2024 - 17:34.

## 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

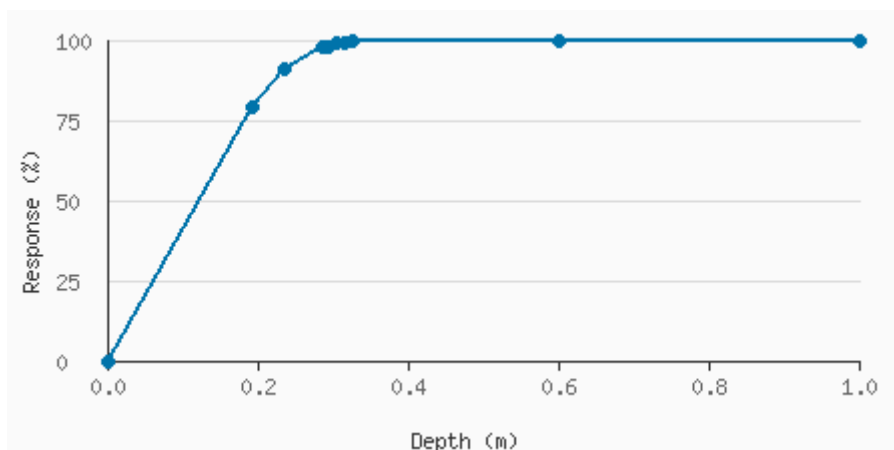
## Descriptions

### 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
0.02	0.00	0.00	0.00	0.00
0.21	78.77	0.00	78.77	78.77
0.25	90.95	0.00	90.95	90.95
0.30	98.00	0.00	98.00	98.00
0.31	98.00	0.00	98.00	98.00
0.32	99.28	0.00	99.28	99.28
0.33	98.96	0.00	98.96	98.96
0.34	100.00	0.00	100.00	100.00

0.61	99.92	0.00	99.92	99.92
1.00	100.00	0.00	100.00	100.00

## Citations

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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.

## References

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