

Rempel et al 2012: Depth and Mountain Sucker HSI

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Species Information

Common Name: Mountain Sucker
Genus: *Catostomus platyrhynchus*

Stressor Details

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

Life Stage & Context

Life Stages: Juvenile
Geography: Fraser River

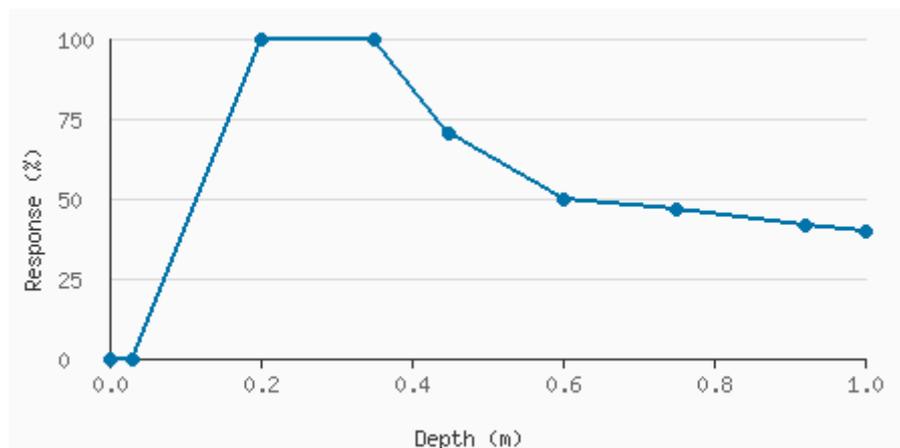
Descriptions

Overview

For both depth and velocity, the composite channel curve of Mountain Sucker 1+/2+ matches habitat suitability. Mountain Sucker 1+/2+ HSC curves for depth and velocity. The curve shows all channel types (main, side and summer channels) of the Fraser River gravel analyzed together.

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
0.03	0.00	0.00	0.00	0.00
0.20	100.00	0.00	100.00	100.00
0.35	100.00	0.00	100.00	100.00
0.45	70.44	0.00	70.44	70.44
0.60	50.00	0.00	50.00	50.00
0.75	46.31	0.00	46.31	46.31

0.92	41.87	0.00	41.87	41.87
1.00	39.90	0.00	39.90	39.90

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.

References

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