

Runoff Potential - BEC Unit Score (BC-CEF IAP)

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Species Information

Common Name: Aquatic Ecosystems

Stressor Details

Stressor Name: BEC Sensitivity Score

Units: Unitless

Metric: BEC Unit Scores

Scale: linear

Function Type: continuous

Life Stage & Context

Geography: British Columbia

Descriptions

Overview

Biogeoclimatic Ecosystem Classification (BEC) unit sensitivity ranking from BC Cumulative Effect Framework (BC-CEF) Integrated Assessment Procedure (IAP, 2020).

A relative Biogeoclimatic Ecosystem Classification (BEC) unit sensitivity ranking as an indicator of average annual precipitation, average snowpack accumulation and persistence (Lewis et al., 2016; Smith et al. 2019), The BEC score is binned into 3 classes for the assessment unit:

1. Low (0 – 0.5)
2. Moderate (≥ 0.5 – 1.5)
3. High (≥ 1.5)

Interim Assessment Protocol for Aquatic Ecosystems in British Columbia – Standards for Assessing the Condition of Aquatic Ecosystems under British Columbia's Cumulative Effects Framework. Version 1.3 (December 2020). Prepared by the Provincial Aquatic Ecosystems Technical Working Group – Ministry of Environment and Climate Change Strategy and Ministry of Forests, Lands and Natural Resource Operations and Rural Development. 51 pp.

See: <https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/cumulative-effects/protocols/cef-aquatic-ecosystems-protocol-dec2020.pdf>

Transferability of Function

General across British Columbia

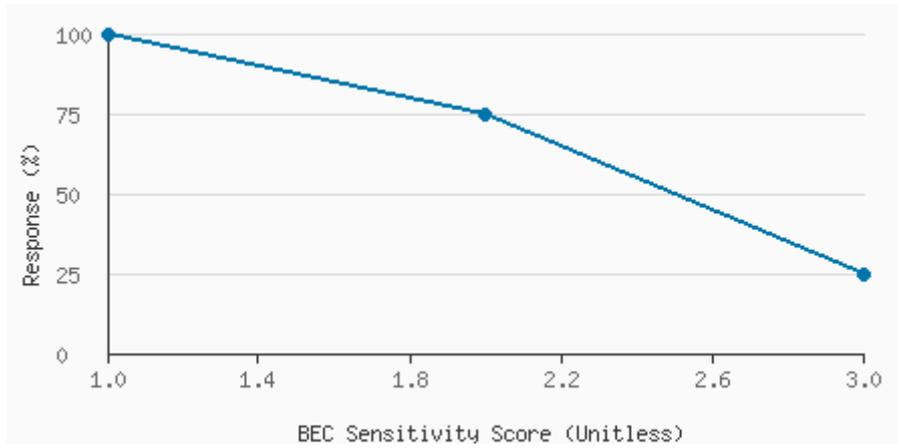
Source of Stressor Data

BC BEC Zone Units

Stressor Magnitude Data

See DataBC Catalogue: WHSE_FOREST_VEGETATION.BEC_BIOGEOCLIMATIC_POLY

Stressor Response Data



Raw Stressor Values	Scaled Response Values 0 to 100	SD	low.limit	up.limit
1	100	0	0	100
2	75	0	0	100
3	25	0	0	100

Citations

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References

BC Interim Protocol Aquatic Ecosystems 2020 - <https://www2.gov.bc.ca/assets/gov/environment/natural-resource-stewardship/cumulative-effects/protocols/cef-aquatic-ecosystems-protocol-dec2020.pdf>