

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

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Function Updated by mbayly on Mon, 06/24/2024 - 18:24.

## 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 ( $\geq 0.5$  – 1.5)
3. High ( $\geq 1.5$ )

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

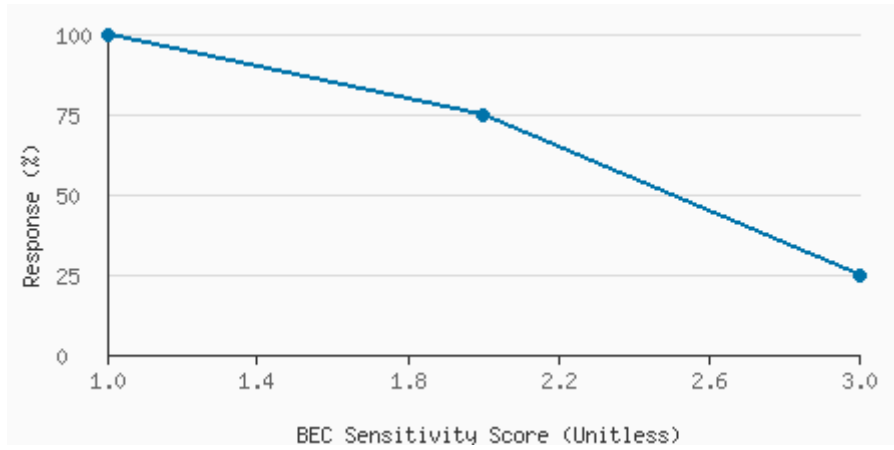
### Source of Stressor Data

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>