| | | | |
|---|---|---|---|
| | **Species Data:** | **Index Result:** | |
| Species | *Rubus bartonianus* | **Highly Vulnerable** | |
| English Name | **Batonberry** | **Confidence** | **Low** |
| Taxonomic Group | Vascular Plant | (confiedence in species information) | |
| Geographic Area | **Northeastern Oregon** | | |
| Range Rel. | East/west edge of range | Assessor | Lindsey Wise |
| Cave/Ground Water Obligate | No | | |
| GRank | G2 | | |
| SRank | S2 | | |

## Climate Change Vulnerability Index Values:     (greatest shown when range was selected)

| | | |
|---|---|---|
| Temperature Scope | A >5.5F | 0 |
| | A 5.1F | 0 |
| | A 4.5F | 100 |
| | A 3.9F | 0 |
| | A <3.9F | 0 |
| Hamon AET:PET Moisture Metric Scope | < -0.119 | 0 |
| | -0.119 | 100 |
| | -0.096 | 0 |
| | -0.073 | 0 |
| | -0.05 | 0 |
| | >-0.028 | 0 |
| Sea level rise | B1 | N |
| Natural barriers | B2a | N |
| Anthropogenic barriers | B2b | N |
| Climate Change mitigation | B3 | SI |
| Dispersal/Movement | C1 | N |
| Historical thermal niche | C2ai | SI |
| Physiological thermal niche | C2aii | SI |
| Historical hydrological niche | C2bi | SI |
| Physiol. hydrological niche | C2bii | N |
| Disturbance dependence | C2c | N |
| Ice/snow dependence | C2d | N |
| Physical habitat restrictions | C3 | Inc |
| Other spp create habitat | C4a | N |
| Dietary Versatility | C4b | N/A |
| Pollinator Versatility | C4c | N |
| Other spp for dispersal | C4d | N |
| Other spp interaction | C4e | N |
| Genetic variation | C5a | U |
| Genetic bottleneck | C5b | U |
| Phenological response | C6 | U |
| Documented response | D1 | U |
| Modeled change | D2 | U |
| Modeled overlap | D3 | U |
| Modeled protected Areas | D4 | U |

**Affect to Vulnerability:**

| |
|---|
| GI = Greatly Increase |
| Inc = Increase |
| SI = Somewhat Increase |
| N = Neutral |
| SD = Somewhat Decrease |
| Dec = Decrease |
| U = Unknown |

**Index Scores:**
**Extremely Vulterable:** Abundance and/or range extent within geographical area assessed extremely likely to     substantially decrease or disappear by 2050.
**Highly Vulnerable:** Abundance and/or range extent within geographical area assessed likely to decrease significantly by 2050.
**Moderately Vulnerable:** Abundance and/or range extent within geographical area assessed likely to decrease by 2050.
**Not Vulnerable/Presumed Stable:** Available evidence does not suggest that abundance and/or range extent within the geographical area assessed will change (increase/decrease) substantially by 2050. Actual range boundaries may change.
**Not Vulnerable/Increase Likely:** Available evidence suggests that abundance and/or range extent within geographical area assessed is likely to increase by 2050.

Assessment Notes: Climate and precipitation data from Climate Wizard using the A1B emissions scenario and ensemble average general circulation model. Historical = past 50 years; Future = mid-century (2050s). Species data from ORBIC database. Assessment performed in conjunction with the Element Rank Calculator.

Index Notes: