

Heritage Ranking Form - State Rank

Scientific Name: Rana cascadae

Common Name: Cascades Frog

Classification: Vertebrate Animal

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Range extent: 25,997 sq km based on PODS and EOs

Population Size: U = Unknown

Comments: None

Number of Occurrences: D = 81 - 300

Comments: 108 EOs; additional PODS records not in database., most within 25 years.

Area of Occupancy: F = 126-500 4-km² grid cells

Comments: 163 4-km sq grid cells based on unbuffered locaitons. With 1 km buffer, 534 4-km sq grid cells.

Good Viability: CD = Few to some (4-40) occurrences with good viability

Comments: Most occurrences are of a few individulas. There are fewer than 10 records that report large populations.

Environmental Specificity: Not Evaluated

Comments: None

Short Term Trends: F = Decline of 10 - 30%

Comments: None

Long Term Trends: F = Decline of 10 - 30%

Comments: None

Threat Impact: CD = Medium - Low

Comments: Threats from climate change, drying of ephemeral ponds. Southern part of range more vulnerable to changes in climate than northern Cascades. Pearl et al. (2009) found *R. cascadae* at 66% of historic breeding sites. Populations were more likely to be relocated further north in OR.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: **S3S4**

Comments: Range continues to be relatively large, with many populations. Some populations may be small. May be sensitive to climate change, especially in southern OR.

Rank Notes: None

Reference: Bruce Bury, USGS, pers com. | Pearl, C. A., M.J. Adams, R.B. Bury, W. H. Wentz, and B. McCreary. 2009. Evaluating Amphibian Declines with Site Revisits and Occupancy Models: Status of Montane Anurans in the Pacific Northwest USA. *Diversity* 2009, 1, 166-181; doi:10.3390/d1020166. | ORBIC PODs data |

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