

## Heritage Ranking Form - State Rank

**Scientific Name:** *Entosphenus lethophagus*  
**Common Name:** Pit-Klamath Brook Lamprey  
**Classification:** Vertebrate Animal

**Heritage Rank:** **S3**

Rank Date: 7/11/2016

Comments: Small distribution in OR, but widespread where it does occur. Significant threats from habitat alteration, but species appears tolerant of some alteration. Some taxonomic uncertainty.

**Range Extent:** D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: 4172 sq km estimated range extent.

**Population Size:** Not assessed

Comments: None

**Number of Occurrences:** A = 1 - 5

Comments: Based on NatureServe 10km separation distance there are approximately 5 EOs

**Area of Occupancy:** F = 126-500 4-km<sup>2</sup> grid cells

Comments: Do not have stream distribution for this species, so point records are buffered to 10km (NatureServe separation distance), resulting in 1099 4km<sup>2</sup> grid cells. However, this undoubtedly overestimates occupancy since much of this area is terrestrial. Approximately 150 cells appear to be along streams.

**Good Viability:** C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: None

**Environmental Sensitivity:** Not Evaluated

Comments: None

**Short Term Trends:** G = Relatively Stable (<=10% change)

Comments: None

**Long Term Trends:** 0

Comments: None

**Threat Impact:** C = Medium

## Comments:

Widespread aquatic habitat alteration, but appears tolerant of some changes.

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

Rank Notes: None

## References:

NatureServe. 2014. *Entosphenus lethophagus*. The IUCN Red List of Threatened Species 2014: e.T202629A18235333. <http://dx.doi.org/10.2305/IUCN.UK.2014-3.RLTS.T202629A18235333.en>. Downloaded on 11 July 2016.

Lorion, C.M., Markle, D.F., Rei, S.B. and Docker, M.F. 2000. Redescription of the presumed-extinct Miller Lake lamprey, *Lampetra minima*. *Copeia* 2000: 1019-1028.

ORBIC Biotics database

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