

## Heritage Ranking Form - State Rank

**Scientific Name:** *Cicindela hirticollis couleensis*

**Common Name:** Hairy-necked tiger beetle

**Classification:** Invertebrate Animal

**Heritage Rank:** **S2?**

Rank Date: 5/18/2016

Comments: Limited information available. Surveys needed.

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

Comments: 38623 sq km, as estimated by Xerces Society from Pearson et al. 2006.

**Population Size:** U = Unknown

Comments: None

**Number of Occurrences:** B = 6 - 20

Comments: 7 records, possibly more. Most (all?) are historic.

**Area of Occupancy:** DE = 6-125 4-km<sup>2</sup> grid cells

Comments: 7 known locations in Oregon, but records are vague.

**Good Viability:** AB = None to very few (0-3) occurrences with good viability

Comments: limited habitat - sandy beaches along Columbia & Snake Rivers. No known recent occurrences in OR despite searching.

**Environmental Sensitivity:** Not Evaluated

Comments: None

**Short Term Trends:** U = Unknown

Comments: None

**Long Term Trends:** CE = Decline of 30 - 80%

Comments: Declines since dams built on larger rivers.

**Threat Impact:** B = High

Comments: Habitat loss from dams

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

Calculated Rank: S2?

Rank Adjustment Notes: None

References: Pearson, D.L., Knisley, C.B., and C.J. Kazilek. 2006. A field guide to the tiger beetles of the United States and Canada: Identification, natural history, and distribution of the Cicindelidae. Oxford University Press, NY, 288 pp.; | Jepsen, S. 2009. *Cicindela hirticollis couleensis* Survey Protocol. Unpublished report by Xerces Society. | Wayne Steffens, personal communication, 1/2016 | Jepsen, S. and C. Mazzacano. 2010. Final Report on Miller Island Surveys for the Columbia River Tiger Beetle ( *Cicindela columbica* ) and the Hairy - necked Tiger Beetle ( *Cicindela hirticollis couleensis* ). Submitted to the Interagency Special Status/Sensitive Species Program Modification to Assistance Agreement L08AC13768 (HAA081034)  
<http://www.fs.fed.us/r6/sfpnw/issssp/documents/inventories/inv-rpt-iico-crgnsa-MillerIsland-Xerces-2010.pdf> |

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