

## Heritage Ranking Form - State Rank

**Scientific Name:** *Brachyramphus marmoratus*

**Common Name:** Marbled murrelet

**Classification:** Vertebrate Animal

**Heritage Rank:** **S2B**

Rank Date: 2/16/2016

Comments: Marbled murrelets are vulnerable to habitat loss, gill-net fishing, oil spills. Persistent decline in population.

**Range Extent:** E = 5,000-20,000 sq km (~2,000-8,000 sq mi)

Comments: 19,228 sq km.

**Population Size:** E = 2,500 - 10,000 individuals

Comments: 18,000 individuals in Oregon, Washington and California (Falxa et al. 2009, Peery et al. 2008), and productivity in these states is low (USFWS 2009).

**Number of Occurrences:** 0

Comments: None

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

Comments: 275 4sqkm grid squares occupied.

**Good Viability:** D = Some (13-40) occurrences with excellent or good viability or ecological integrity

Comments: Remaining viable occurrences largely limited to federal lands.

**Environmental Sensitivity:** Not Evaluated

Comments: None

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

Comments: None

**Long Term Trends:** E = Decline of 30 - 50%

Comments: Decline of 30% over the last 9 years.

**Threat Impact:** B = High

Calculated Threat Comments: Logging, habitat loss, gill-nets, oil spills, marine pollution all threaten Marbled Murrelets.

Assigned Threat Comments: None

**Intrinsic Vulnerability:** Not Evaluated

Comments: None

Rank Notes: Calculator Rank (unrevised)=S2.

References: McShane, C., T. Hamer, H. Carter, G. Swartzman, V. Friesen, D. Ainley, R. Tressler, K. Nelson, A. Burger, L. Spear, T. Mohagen, R. Martin, L. Henkel, K. Prindle, C. Strong, and J. Keany. (2004). Evaluation report for the 5-year status review of the marbled murrelet in Washington, Oregon, and California. Unpublished report. EDAW, Inc. Seattle, Washington. Prepared for the U.S. Fish and Wildlife Service, Region 1. Portland, Oregon | D. B. Marshall, M. G. Hunter, and A. L. Contreras (editors), *Birds of Oregon: A General Reference*. Oregon State University Press, Corvallis. | Huff, M.H., M.G. Raphael, S.L. Miller, S.K. Nelson, J. Baldwin, tech. coords. (2006). Northwest Forest Plan—The first 10 years (1994-2003): status and trends of populations and nesting habitat for the marbled murrelet. Gen. Tech. Rep. PNW-GTR-650. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 149 p. | Falxa, et al, (2010). Northwest Forest Plan Interagency Regional Monitoring, 15 Year Report Status and Trend of Marbled Murrelet Populations and Habitat | <http://www.reo.gov/monitoring/reports/15yr-report/MAMU%202%20pg%20brief%20042111.pdf> | [http://www.biologicaldiversity.org/species/birds/marbled\\_murrelet/CBD-MAMU-90-day-comments.html](http://www.biologicaldiversity.org/species/birds/marbled_murrelet/CBD-MAMU-90-day-comments.html) | USFWS. 2009. Marbled murrelet (*Brachyramphus marmoratus*) 5-year review. [http://www.fws.gov/arcata/es/birds/MM/documents/Mamu2009\\_5yr\\_review%20FINAL%2061209.pdf](http://www.fws.gov/arcata/es/birds/MM/documents/Mamu2009_5yr_review%20FINAL%2061209.pdf) | Peery, M.Z., L.A. Hall, J.T. Harvey, and L.A. Henkel. 2008. Abundance and productivity of marbled murrelets off central California during the 2008 breeding season. Final report submitted to California State Parks. September 2008. 10 pp. |

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