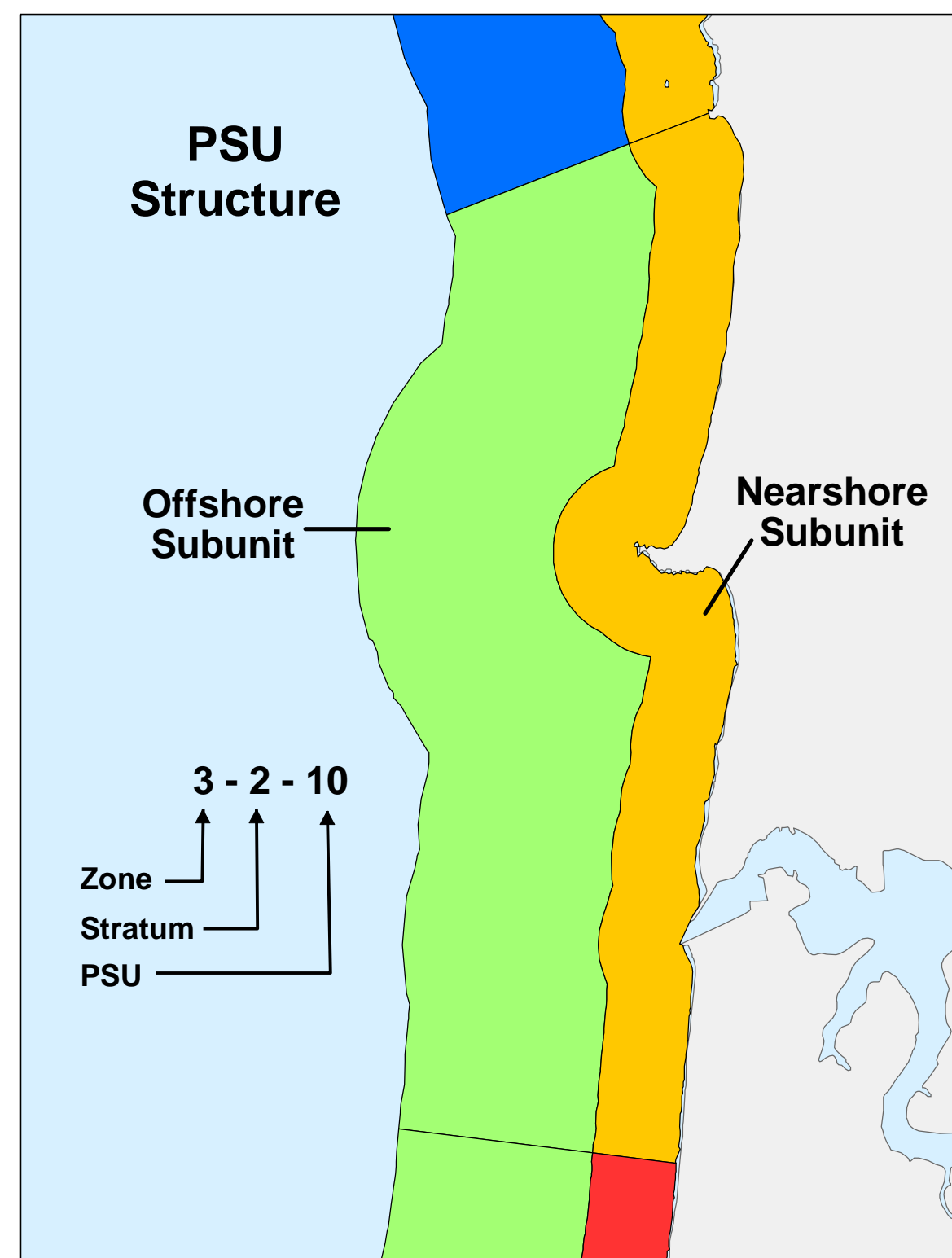
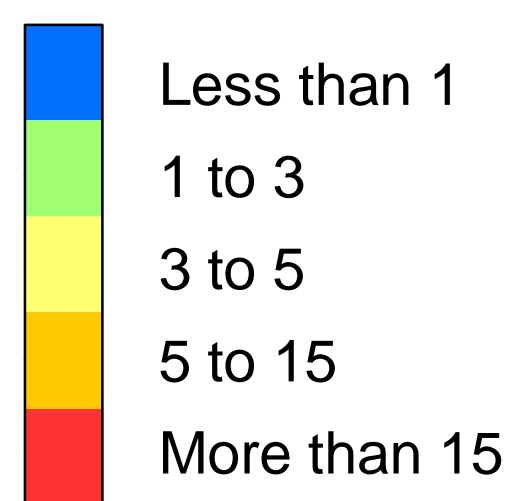


Average Estimated Population Density* of Marbled Murrelet by Primary Sampling Unit (PSU) for Oregon

*Based upon at-sea population surveys performed from 2000 through 2007 for the Northwest Forest Plan Effectiveness Monitoring Program.



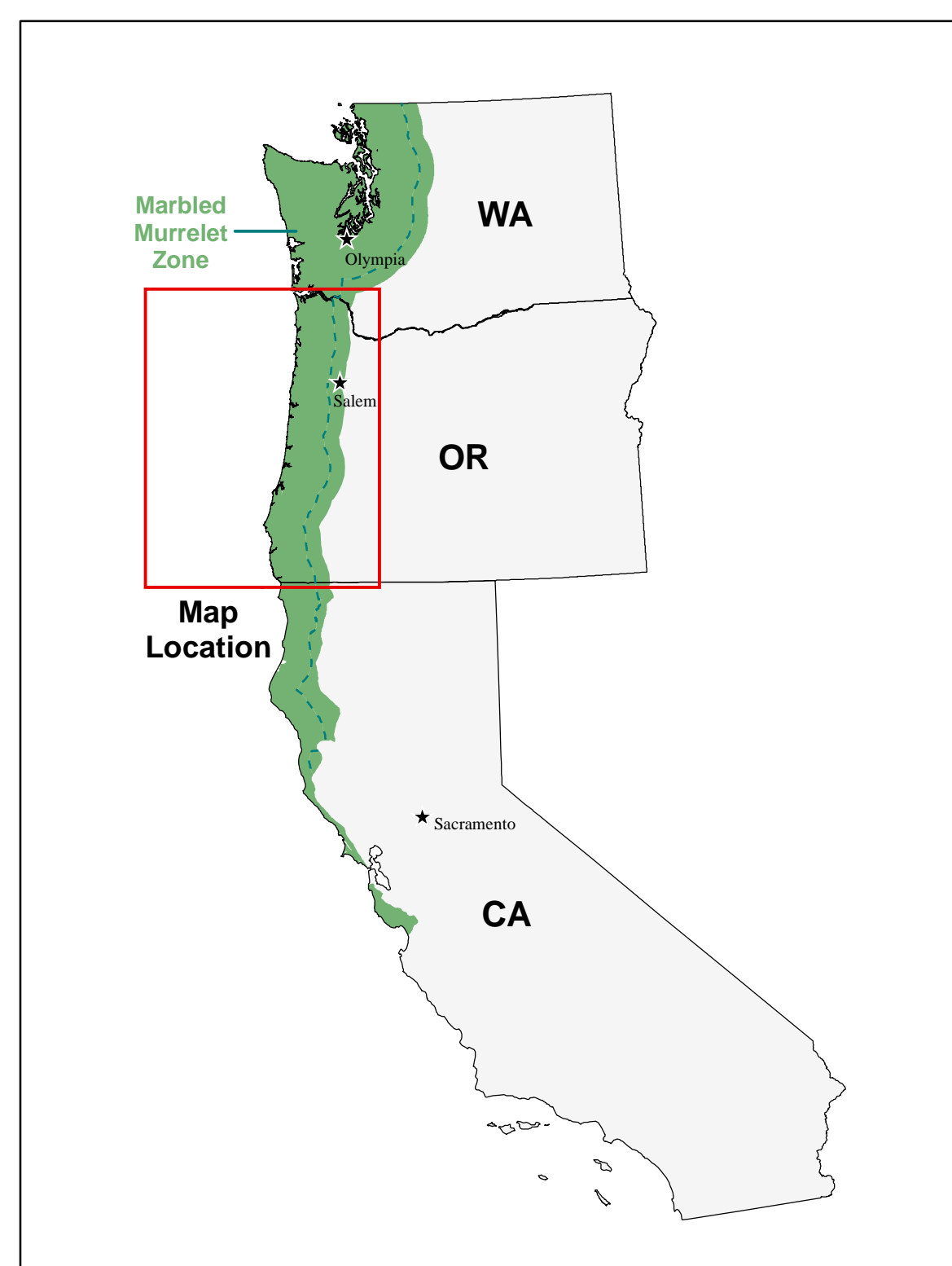
Average Estimated Density**



Other map symbols

- City or town
- Major road
- River
- Lake or reservoir
- Tribal Land (Reservation)
- Marbled Murrelet Zone (FEMAT 1993)

**Density values represent the average estimated population (in number of birds) per square kilometer across all survey years by PSU subunit.



NOTE: The information in this figure is provided only to illustrate general patterns of marbled murrelet distribution within the areas sampled, and should not be used for other analyses. The sampling program was designed to monitor density at the conservation zone scale. The PSU density estimates shown are average at-sea densities over the time period indicated. These density estimates may have large confidence intervals, which are not shown. For additional information, refer to the following publications:

M. Huff et al. 2006. Northwest Forest Plan-the first 10 years (1994-2003): Status and trends of populations and nesting habitat for the marbled murrelet. PNW-GTR-650 (Chapter 3)

M. Raphael et al. 2007. Regional Population Monitoring of the Marbled Murrelet: Field and Analytical Methods. PNW-GTR-716

Program information, including links to these and other relevant publications, can be found at:
<http://www.rso.gov/monitoring/mmm-overview.shtml>

PLEASE CITE AS:
Marbled Murrelet Effectiveness Monitoring Module. 2008. Northwest Forest Plan Interagency Regional Monitoring Program, Portland, OR.
For further information regarding this map, contact Gary Falsa, Marbled Murrelet Module Lead, at gary_falsa@rso.gov

