

Appendix 3: Photos of 15 marbled murrelet nests monitored 2004-2008 in northwestern Washington and Southwestern British Columbia. Photos were taken during or after nesting season.

Figure 1a. 2004 Lake Mills nest cup with fecal ring. Nest was presumed successful based on fecal ring.





Figure 1b. 2004 Lake Mills nest limb in Douglas-fir.



Figure 1c. Northern anchovy (*Engraulis mordax*) found at base of 2004 Lake Mills nest tree.





Figure 2. 2004 Boulder Creek nest platform in Douglas-fir. This nest failed when the egg did not hatch after 35 days of incubation by the parent murrelets. A Douglas squirrel visited the nest nine days after incubation ceased and rolled the egg of the limb with its head. This was observed on video.





Figure 3a. 2004 Morse Creek nest platform in Douglas-fir. This nest failed during the nestling phase for unknown reasons.



Figure 3a. 2004 Morse Creek nest limb in Douglas-fir. Nest is circled.

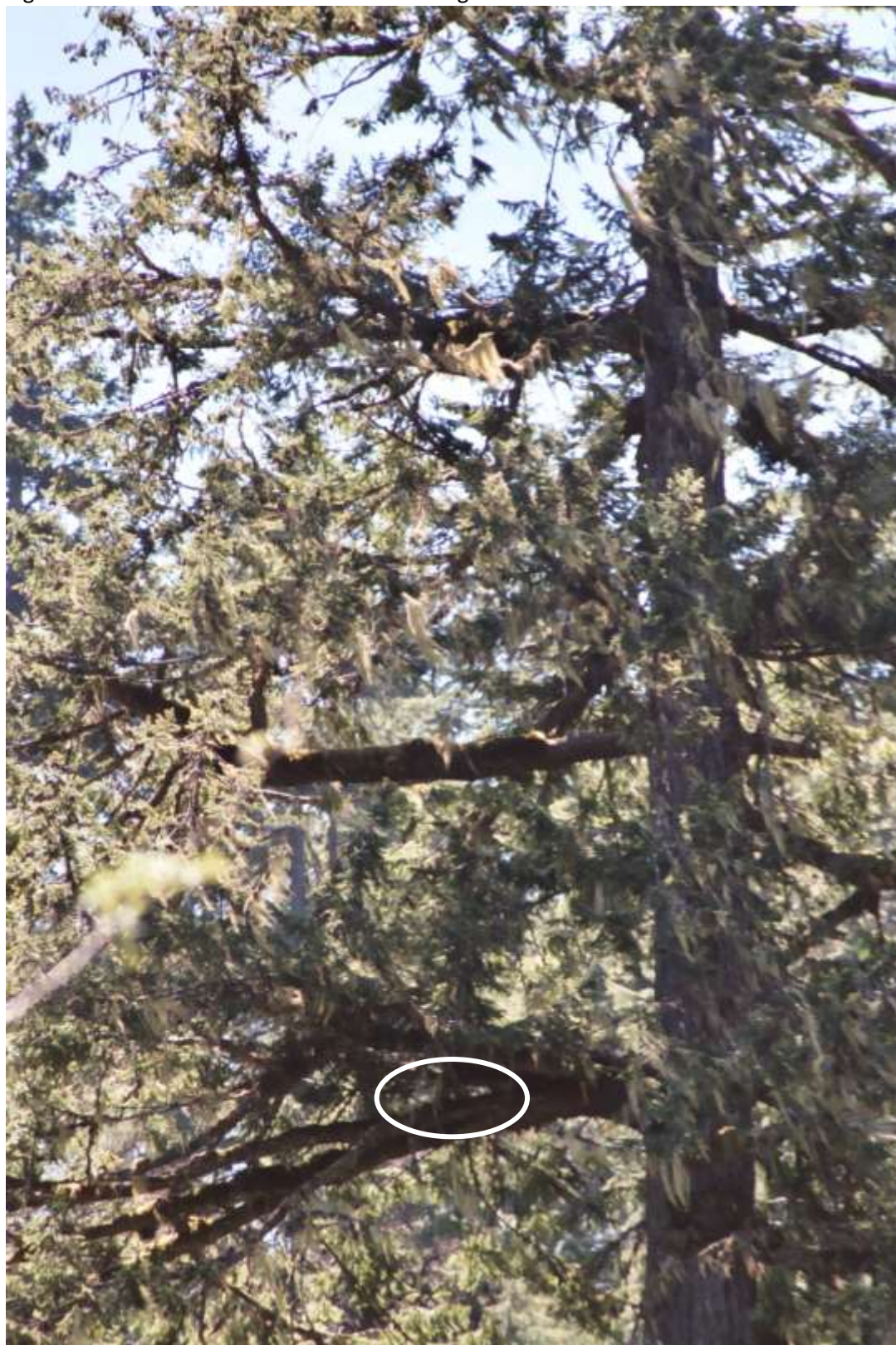




Figure 4a. Radio tagged adult male marbled murrelet incubating egg at 2005 Rica Canyon nest. This nest failed 20 days post-hatching. The chick died of unknown causes.



Figure 4b. Nest platform at 2005 Rica Canyon nest.



Figure 4c. Overhead view of 2005 Rica Canyon nest platform in Western Hemlock.





Figure 5a. Abandoned egg within 2005 Duckabush nest.





Figure 5b. Abandoned egg within 2005 Duckabush nest against trunk of Douglas-fir





Figure 6a. 2005 Upper Hoh nest cup with fecal ring. Nest was presumed successful based on fecal ring.





Figure 6b. Close-up photo of 2005 Upper Hoh nest cup with fecal ring on limb of Western Hemlock.





Figure 6c. 2005 Upper Hoh nest cup with fecal ring on limb of Western Hemlock.





Figure 7a. 2005 Cullite Creek nest cup with light fecal ring. This nest failed during nestling stage.





Figure 7b. 2005 Cullite Creek nest limb in Western Hemlock.



Figure 7c. Remains of marbled murrelet nestling found beneath 2005 Cullite Creek nest.





Figure 8a. 2005 South Fork Hoh chick dead in nest with one fish in bill and one fish lying underneath (on left side of chick in this photo). Nest failed during nestling stage of unknown cause.



Figure 8b. 2005 South Fork Hoh chick dead in nest with compass for scale.





Figure 8c. 2005 South Fork Hoh nest with chick removed showing partial fecal ring.



Figure 8d. 2005 South Fork Hoh nest limb in Sitka Spruce. Chick and nest circled.





Figure 9a. Adult marbled murrelet incubating egg at 2006 Hemmingsen Creek nest. This nest failed 30 days post-hatching when the chick fell from the limb while being fed.





Figure 9b. Dead murrelet chick lying below 2006 Hemmingsen Creek nest.





Figure 9c. 2006 Hemmingsen Creek nest tree.





Figure 10a. Egg with holes from predator or scavenger found in Lillian River murrelet nest, 2007.



Figure 10b. 2007 Lillian River nest with egg in Douglas-fir.





Figure 11. 2007 Hughes Creek nest that failed from unknown causes.





Figure 12a. 2007 Sombrio nest. This failed when the egg did not hatch after a 40-day incubation period.





Figure 12b. Close-up photo of abandoned murrelet egg in 2007 Sombrio nest.



Figure 12c. 2007 Sombrio nest platform in Western Redcedar.





Figure 12d. Sombrio nest tree viewed from ground with nest platform circled.





Figure 13a. 2007 North Fork Sol Duc cliff nest viewed in June from airplane. Approximate location of nest is circled.





Figure 13b. 2007 North Fork Sol Duc cliff nest viewed in August from below nest. Approximate location of nest is circled.





Figure 13c. Remains of marbled murrelet in juvenile plumage beneath the 2007 North Fork Sol Duc cliff nest in August.





Figure 14. 2008 Sunday Creek nest cup with fecal ring. Nest was presumed successful based on fecal ring.





Figure 15a. 2008 North Fork Sol Duc tree nest with dead nestling in nest cup.



Figure 15b. 2008 North Fork Sol Duc tree nest with dead nestling removed from nest cup showing partial fecal ring.

