



A Protocol Using Coho Salmon to Monitor Tongass National Forest Land and Resource Management Plan Standards and Guidelines for Fish Habitat (Paperback)

By United States Department of Agriculture

Createspace, United States, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.We describe a protocol to monitor the effectiveness of the Tongass Land Management Plan (TLMP) management standards for maintaining fish habitat. The protocol uses juvenile coho salmon (*Oncorhynchus kisutch*) in small tributary streams in forested watersheds. We used a 3-year pilot study to develop detailed methods to estimate juvenile salmonid populations, measure habitat, and quantitatively determine trends in juvenile coho salmon abundance over 10 years. Coho salmon have been shown to be sensitive to habitat alterations, and we use coho salmon parr as the primary indicator in the protocol. A priori criteria for type I and type II error rates, effect size, and sample sizes for the protocol were derived with estimates of variance computed from the 3-year pilot study.

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