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Services of Ecosystems Northwest and Kim Mattson

Stream Surveys

Since formation fourteen years ago, Ecosystems Northwest has completed a wide variety of stream survey contracts. These contracts include stream surveys for fish habitat, physical channel, riparian function, stream mapping, fish distribution surveys, and effectiveness of restoration projects. Collectively Ecosystems Northwest has surveyed 2,000 miles of streams in Oregon, Washington, and California.

Watershed Assessments and other Analyses

Ecosystems Northwest has been the lead contract on four watershed assessments or analyses (Rickreall, Marys River, Quartz Creek, Mercer Berry) and has contributed to others (Middle Fork Willamette River). Other assessments include Effectiveness Monitoring of Restoration in the Shasta Basin, Flood Effects in the Breitenbush Basin, Riparian Conifer Regeneration in the Mapleton and Waldport Districts of the Siuslaw National Forest.

Data Collection and Research

Mattson has a Ph.D. in ecology, has performed field research since 1980, and has published in the peer-reviewed literature on topics such as forest ecosystems and watershed processes. Mattson approaches projects with a research perspective and understands well the role of data collection, quality control, and the generation of information.

Carbon Budgets for Forests

Through field measurements and modeling, carbon accumulations can be estimated for forests of the Pacific Northwest. Such estimates can help in determining strategies for carbon credits, particularly in soils. Work is ongoing in Northern California and Southeast Alaska.