

Title**First Name** Peter

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Middle Name Andrew**Permission date****Last Name** Beedlow**Photo****Institution** US Environmental Protection Agency**Department** Western Ecology Division**Email** beedlow.peter@epamail.epa.gov**Website****Phone** 541.754.4634www.epa.gov/wed**Research Fields****Specific Research Interests**

- Atmospheric chemistry
- Biogeochemistry
- Carbon Footprint Analysis
- Climatology
- Community & Disaster Planning
- Data Analysis & Statistical Modeling
- Ecology & Ecosystem Management
- Economics
- Energy policy & technology
- Ethics
- Fire
- Forestry & Forest Management
- Geographic Information Systems
- Horticulture
- Human Impacts - economics
- Human Impacts - health
- Human Impacts - policy
- Hydrology
- Impacts - agriculture & horticulture
- Impacts - ecosystems, populations
- Impacts - physical
- Instrumentation
- Mitigation Policy
- Modeling Climate
- Modeling Ecosystems
- Modeling Socioeconomic Processes
- Natural Resource Policy & Planning
- Outreach & Engagement
- Paleoclimatology
- Paleoecology
- Physical Ecology
- Physiological Ecology
- Urban Ecology
- Water Policy & Planning
- Other...

Carbon sequestration in forest ecosystems.

Effects of climate change on terrestrial ecosystems.

Developing carbon accounting mechanisms for unmanaged ecosystems.

Plant Ecology

Plant-Animal Interactions

Community Ecology

Projects

EPA Global Change Research Program

Selected Recent Publications

- Beedlow, P.A.**, D. T. Tingey, E. H. Lee, D. L. Phillips, C. P. Andersen, R. S. Waschmann and M. G. Johnson. Sapwood moisture in Douglas-fir boles and seasonal changes in soil water. *Canadian Journal of Forest Research*. (In Press, 2007).
- Hogsett, W. E., D. T. Tingey, E. H. Lee, **P. A. Beedlow**, and C. P. Andersen. An approach for evaluating the effectiveness of various ozone air quality standards for protecting trees. *Environmental Management* (In Press, 2007)
- Beedlow, P. A.** and D. T. Tingey (eds.). 2007. A Summary of NHEERL Ecological Research on Global Climate Change. US Environmental Protection Agency, EPA/600/R-05/007 (April).
- Beedlow, P. A.**, D. T. Tingey, R.S. Waschmann, D.L. Phillips and M.G. Johnson. 2007. Bole water content shows little seasonal variation in century-old Douglas-fir trees. *Tree Physiology* 27, 737–747.
- Lee E. H., D.T. Tingey, **P.A. Beedlow**, M.G. Johnson, C. A. Burdick. 2007. Relating fine root biomass to soil and climate conditions in the Pacific Northwest. *Forest Ecology and Management* 242: 195–208.
- Tingey D.T., D.L. Phillips, M.G. Johnson, P.T Rygielwicz, **P.A. Beedlow**, and W.E.Hogsett. 2005. Estimates of Douglas-fir fine root production and mortality from minirhizotrons. *Forest Ecology and Management*. 204: 359-370.
- Lee, E.H. , D.T. Tingey, **P.A. Beedlow**, M.G. Johnson, and R.B. McKane. 2004. A spatial analysis of fine-root biomass from stand data in the Pacific Northwest. *Canadian Journal of Forest Research* 34: 2169-2180.
- Beedlow, P.A.**, D.T. Tingey, D.L. Phillips, W.E. Hogsett, and D.M. Olszyk. 2004. Rising atmospheric CO₂ and carbon sequestration in forests. *Frontiers in Ecology and the Environment* 2(6):315-322.
- Lewis, J.D., R.B. McKane, D.T. Tingey, and **P.A. Beedlow**. 2000. Vertical gradients in photosynthetic light response within an old-growth Douglas-fir and western hemlock canopy. *Tree Physiology* 20:447-456.

Professional Activities