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Stephen T. Lancaster
[Curriculum Vitae](#)

Personal Website: <http://www.geo.oregonstate.edu/~lancasts/>

Year Hired: 2001

Specialty: Fluvial geomorphology, hydrology

Research Interactions between forest and geomorphic processes; landscape
Interests: evolution modeling; river meandering.

Recent Publications: Lancaster, S.T., S.K. Hayes, and G.E. Grant, 2003. Effects of wood on debris flow runout in small mountain watersheds, *Water Resources Research*, 39(6), 1168, doi:10.1029/2001WR001227.

Lancaster, S.T., and G.E. Grant, 2003. You want me to predict what? in *Prediction in Geomorphology*, edited by P.R. Wilcock and R.M. Iverson, pp. 41-50 (DOI: 10.1029/135GM04), American Geophysical Union, Washington.

Lancaster ST and Bras RL, 2002. A simple model of river meandering and its comparison to natural channels, *Hydrological Processes*, 16, 1-26.

Lancaster, S.T., S.K. Hayes, and G.E. Grant, 2001. Modeling sediment and wood storage and dynamics in small mountainous watersheds, in *Geomorphic Processes and Riverine Habitat*, J.M. Dorava, D.R. Montgomery, B.B. Palcsak, and F.A. Fitzpatrick (eds.), pp. 85-102, American Geophysical Union, Washington.

Tucker, G.E., S.T. Lancaster, N.M. Gasparini, R.L. Bras, and S.M. Rybarczyk, 2001. An object-oriented framework for hydrologic and geomorphic modeling using triangulated irregular networks, *Computers and Geosciences*, 27(8), 959-973.

Recent Graduate Activities: Establishing a Hierarchy of Controls on Historical Channel Change, Willamette River, Oregon
Student Titles: Change, Willamette River, Oregon"

Nathan Casebeer (fall, 2004): "Sediment Storage in a Headwater Valley of the Oregon Coast Range: Erosion Rates and Styles, and Capacitance of the Valley Floor"

Courses Taught: GEO 322 Surface Processes

GEO 202 Earth Systems Science

GEO 309 Environmental Justice

GEO 432/532 Applied Geomorphology

Degrees: PhD in Hydrology, Massachusetts Institute of Technology, 1998

AB degree, cum laude (physics concentration), Harvard University, 1990

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