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Progress Report, for work completed through October 31, 2008
Grant No. 208-8009-6216: Integrated Dynamic Landscape and Coho Salmon Model

I had not begun work directly funded by this project by October 31, 2008; hence Earth Systems Institute (ESI) has not requested any funds for this project. This project involves the integration of three phases of research through collaboration of work by scientists at NOAA Fisheries, the Forest Service (FS), and ESI, starting with statistical modeling of landscape, stream habitat, and fish relationships, then dynamic modeling of landscape processes, and then coupling of results from these two phases for simulation modeling of coho salmon in the landscape. Ashley Steel (NOAA), Kelly Burnett (FS), and Steve Wondzell (FS) have provided results from the statistical modeling. I am currently working with Kelly Burnett and Pete Lawson (NOAA) to link the separate components of the landscape simulation models, the output from which will be used with the results of the statistical modeling to drive the coho simulation model. The landscape simulation models have been under extensive expansion during 2008, through other project funding, to expand the spatial extent over which they apply. These efforts should benefit this project by allowing us to run simulation models over a larger area than originally thought feasible.