



## JOB AVAILABLE

### RESEARCH ANALYST in GEOSPATIAL MODELING, BIOGEOGRAPHY, & ECOLOGY

**Position:** Research Analyst  
**Location:** University of Alaska Southeast in Juneau (Auke Bay), Alaska  
**Salary:** \$22.13/hr or \$46,030 per annum (the position has minimal benefits)  
**Duration:** Full time 40hrs/week, beginning July 1, 2009 for a one-year term. The position could possibly begin earlier depending on interest, is annually renewable based on funding availability and progress, and could be subject up to 1-2 months of furlough depending on candidate's interest and progress

**Job Description:** The spatial analyst will assist the PI on several projects relating to biogeographical modeling, landscape ecology, and GIS/Remote Sensing. Specifically, the duties of this position will be assistance with spatial analysis/GIS (40%), statistical analysis and publication support (20%), field support (20%), and generic assistance with project coordination and administration (20%), with the following projects:

- Spatial analysis and modeling of species distribution patterns across Alaska; as part of the Alaska GAP Analysis Project
- Spatial analysis of large-whale distribution data; and spatial modeling of ship-strike risk potential in Southeast Alaska
- Deriving spatial models of historical and contemporary landscape linkages to support studies of phylogeographic and gene flow patterns in Southeast Alaska
- Assistance with occupancy-based models of wildlife distribution
- Assistance with remote sensing analysis of changes in alpine ecosystems/forests
- Assistance with spatial models of future carbon sequestration potential due to ecological succession in Southeast Alaska

**Criteria.** The *ideal* candidate would have:

- At least a bachelor's degree in relevant field (ecology, environmental science, wildlife ecology, geography, etc.); master's degree preferred
- Analytical-level experience with GIS and knowledge of quantitative, raster-based GIS analysis
- Experience with quantitative analysis, with knowledge of multivariate statistics
- Some knowledge of sampling and experimental/survey design
- Ecological field experience and use of GPS technology
- Demonstrated ability to be self directed and productive in a multi-tasking role
- Experience with ArcGIS suite software, Microsoft Excel, Microsoft Access, and statistical packages (e.g. SPSS, SAS, R, etc.)
- Knowledge of Southeast Alaska

**Closing date:** Open until filled (job posting date 03/23/2009)

**To apply:** send your CV, references, and brief letter of interest (email) to Sanjay Pyare at the University of Alaska Southeast: [sanjay.pyare@uas.alaska.edu](mailto:sanjay.pyare@uas.alaska.edu) 907-796-6007