

**Alaska Department of Fish and Game
State Wildlife Grant
ANNUAL INTERIM PERFORMANCE REPORT**

Grant Number: T-1 **Segment Number:** 6
Project Number: 6
Project Title: GIS mapping of terrestrial ecosystems in Southeast Alaska
Project Duration: July 1, 2004 – June 30, 2006
Report Period: July 1, 2004 – June 30, 2005
Report Due Date: September 30, 2005

Objectives (*as submitted in grant project statement*):

1. Develop a GIS database and map of terrestrial ecosystems in Southeast Alaska;
2. Conduct a retrospective analysis to evaluate climatic/geologic/landform characteristics associated with previously logged areas;
3. Conduct a GAP analysis of ecosystem types in areas protected under the Tongass Land Management Plan, Alaska State Forest Practices Act, and other statutes.

Summary of Accomplishments (*Describe accomplishments related to the work that was proposed to be done during this same period in the Project Description and work schedule*):

The following accomplishment relates to Objective 1:

1. Compiled GIS database for Southeast Alaska including land ownership & management, timber inventory, managed stands, plant associations, soils, landform, ecological subsections, biogeographic provinces, elevation (slope & aspect), Landsat ETM, wetlands, and a series of DEM-derived metrics to describe geomorphic setting.

The following accomplishments relate to Objective 2:

2. Completed review of scientific literature on the development of ecological classifications, role of landform in defining terrestrial ecosystems, and existing classifications that have been developed for Alaska and coastal British Columbia.
3. Developed an ecological framework of physical processes that define terrestrial systems, and a qualitative description of terrestrial communities to be included within the classification.

The following accomplishment relates to Objective 3:

4. Developed the theoretical framework for the comprehensive GAP analysis in the region including appropriate geographic stratification and scale of analysis. Conducted preliminary analysis of current condition and conservation status of rare big-tree forests on karst and riparian soils.

The following accomplishment relates to Objectives 1-3:

5. Peer review: To date we have presented this work for review to a wide range of interests including Tongass NF leadership, USFS regional scientists, and the local conservation community, within the context of the broader Ecoregional Conservation Assessment and conservation planning under development by The Nature Conservancy and National Audubon Society.

Significant Deviations *(if any, and explain the reasons for these):*

None

Actual Costs during this Report Period *(personnel plus all operating expense totals):*

Federal (from ADF&G):	Partner (nonfederal share):
\$21,796.59	\$7,265.53

Project Leader *(or Report Contact Person):* Rob Bosworth

Additional Information: *(Not required. Add any additional detail, if desired, related to the progress of the project):* None