



Geographic Decisions

Project:	Matanuska-Susitna Borough Agriculture and Forestland Development Potential
Location:	Matanuska-Susitna Borough, Alaska
Client:	Matanuska-Susitna Borough, Alaska Land & Resources management 350 E. Dahlia Ave. Palmer, AK 99645
Contact:	Steven Cypra– (907) 745-9894 Electronic Mail: SCypra@msb.co.mat-su.ak.us
Duration:	December 2002-January 2003
Contract:	#02-0003951-001 for \$49,600

IGIS Technologies, Inc. created three Potential developable resources maps, an inventory of Landcover, GPS field data, and editable GIS spatial models for use by the Matanuska-Susitna Borough Land & Resources Management team. This project used satellite imagery in conjunction with GPS field data and other GIS layers to create the first generation of comprehensive land resources for the Matanuska-Susitna Borough.

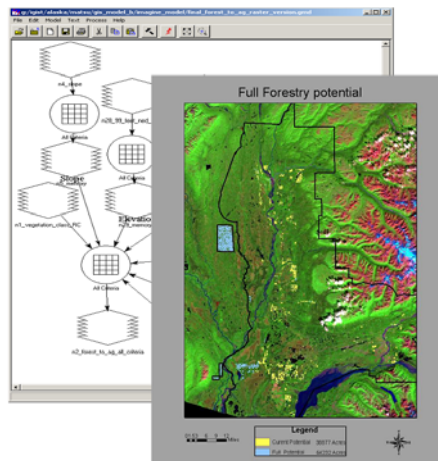
Satellite imagery was classified using a hybrid classification methodology and accuracy assessment was derived with GPS field data. The classification along with other geo-physical and human data sources were used as input to an editable GIS spatial model to create potential developable resources map. Additionally, the model was used to identify future land resources by examining different scenarios.

Key Personnel:

Arman Eshraghi
Image Processing
Jason Geck –
GPS Field Sampling

Key Components:

- Satellite Imagery Classification
- GPS Field Work
- Extraction of Land Resource potential
- Development of Spatial models



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