- Photointerpretation
- Wetland & Environmental Science
- Geographic Information Systems

Our Clientele:
The **Natural Resources Assessment Group (NRAG)** is located at the University of Massachusetts Amherst in the Department of Plant & Soil Sciences. NRAG was formed in 1995 as a technical services group in cooperation with the US Fish & Wildlife Service’s Northeast Region.

**Integration of Ecology & Technology**

By integrating our ecological analysis expertise with the latest GIS technologies, NRAG creates high quality spatial data sets for our clients.

**Project Design & Implementation**

Our goal is to provide the client with a seamless process. Many projects are split among agencies or contractors that often have difficulty communicating between disciplines. The NRAG team is experienced in all aspects of project development, from government contracting to technical troubleshooting.

**Linking the Environment to the Map**

Field verification is performed by biologists with extensive training in wetland delineation, photointerpretation, coastal habitat mapping, field botany, wildlife biology, wildlife habitat evaluation and identification of hydric soil properties.

NRAG’s photointerpretation team uses Optem’s Digital Transfer Scope™ and ESRI’s ArcGIS™ software to create our spatial data sets. Direct editing of the digital data layers during production ensures an accurate and consistent product for our clients. Following a set quality control procedures is a standard aspect of NRAG projects.

**Data Capture Technologies**

Optem’s Digital Transfer Scope™

**NRAG Services**

- Wetlands Mapping
- Land Use/Land Cover Mapping
- Natural Resources Inventory
- Trends Analysis Mapping
- Field Verification & Delineation
- Wetland Restoration Identification
- GIS Analysis & Resource Cartography
- Educational Outreach