

# **ABMI Remote Sensing Technologist**

## **Department of Biological Sciences**

Competition No. - **S106112331**  
Posting Date - **Aug 20, 2010**  
Closing Date - **Sep 13, 2010**

Position Type - **Full Time - Grant Funded**  
Salary Range - **\$4,369 to \$5,933 per month**  
Grade - **08**  
Hours - **40**

This position has an expected end date of one year, with the strong possibility of extension, and offers a comprehensive benefits package which can be viewed at: [www.hrs.ualberta.ca](http://www.hrs.ualberta.ca). Salary is subject to the University Furlough Levy.

The Alberta Biodiversity Monitoring Institute (ABMI) is an arms-length, value-neutral scientific organization that measures and reports on the health of Alberta's biodiversity. The ABMI is being applied to management systems to establish baselines and regional outcomes for biodiversity and then track performance against those outcomes.

The ABMI is currently seeking a highly motivated, results-oriented, self-starting individual to become our Remote Sensing Technologist. The Remote Sensing Technologist will be a key part of the ABMI team responsible for creation, development, support and maintenance of geographic information systems and image analysis platforms in support of the biodiversity monitoring program. The successful candidate's primary responsibility will be air photo interpretation for vegetation and other landscape features to ABMI specifications.

The Remote Sensing Technologist will be involved in digital image analysis through softcopy technology and quality control using multiple software packages including ESRI, SUMMET and Microsoft packages. The position will provide mapping and remote sensing products that are used for the planning and management of the provincial resources and will be responsible for managing contracts to acquire images and to assess the quality of interpretation products.

### **Duties**

- Conducts photo interpretation in a softcopy environment
- Is the ABMI data authority for AVI, GVI and related interpretation
- Develops production strategy and ensures production levels and standards are met
- Estimates manpower, resources and equipment required to acquire and interpret air photos
- Plans air photo interpretation to meet ABMI's fluctuating schedules and priorities
- Develops and manages contracts for image acquisition, and quality assurance
- Converts air photo products into summaries that can be readily used by ABMI staff

### **Qualifications**

- Post-secondary diploma in forest technology; undergraduate degree in natural resources preferred
- Minimum 5 years of practical experience with photo interpretation procedures, standards and application
- Certified AVI and GVI interpreter
- Experience with 3D Visualization and Softcopy software (e.g., Summit) required
- Demonstrated stereoscopic acuity of at least 80%
- Experience with quality control methods for air photo interpretation
- Experience with contract management
- Strong communication skills
- Working knowledge of air photo cameras and the acquisition of air photos an asset
- Working knowledge with ArcGIS software and file geodatabase an asset

### **How to Apply**

**Email**  
[pfoster@ualberta.ca](mailto:pfoster@ualberta.ca)