



## Canadian Forestry Accreditation Board Bureau canadien d'agrément en foresterie

### **Standard 6: Information Acquisition and Analysis**

**Principle:** The management of Canada's natural resources requires the acquisition and analysis of quantitative and qualitative data. Developing comprehensive measurement and sampling skills provides professional foresters with an ability to collect information and understand sources of uncertainty that affect data reliability.

#### **Demonstrable Competencies and Competency Elements**

Graduates of an accredited forestry program shall be able to:

##### **6.1 Employ tools for the measurement of forest resource attributes.**

- Orienteering (compass, maps and Global Positioning System (GPS))
- Field measurement tools and procedures
- Remote sensing tools and procedures
- Geographic Information Systems (GIS)

##### **6.2 Design basic sampling strategies.**

- Principles of basic statistics
- Sampling design and methods and their suitability for use
- Sampling precision, bias and effectiveness

##### **6.3 Analyze and interpret forest resource data.**

- Databases, spreadsheets and graphic presentations
- Geographic Information Systems (GIS)
- Forest resource inventory
- Statistical packages