



Forest Photo Interpreters

Occupational Family/Code – Science and Technology: SPI

Profile created: 1997 04

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Occupation Summary	Selection of Competencies	Knowledge	Skills	Personal Attributes
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The forest photo interpreter interprets aerial photographs in order to provide a database defining forested lands for use in multiple resource applications. They also collect, verify and analyze field survey data as part of a survey team.

They participate in the development of classification systems and specifications to meet special and ongoing programs through discussions with individuals, groups and committees. They organize and participate in the collection of field information using ground and aerial methods. They also organize and collect field data using structured surveys to provide data for use in volume estimates, stand analysis and permanent sample plot survey.

Forest photo interpreters respond to client inquiries or concerns and deliver information sessions for students and other interest groups explaining all aspects of interpretive photogrammetry and the Forest Inventory Mapping section's role.

They need to be able to see stereoscopically to conduct photo interpretations, requiring exactness and extended concentration to details. They are required to travel, sometimes in low level flying aircraft, and often work in isolation in field conditions.



Knowledge

Knowledge is the baseline of information acquired through work and life experiences, learning situations and formal education which enables an individual to perform from an informed perspective.

Acts/Regulations/ Legislation

- Knowledge of relevant acts, regulations, policies, procedures and programs. **(Learn)**
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Theories/Principles

- Knowledge of ecological and successional relationships on forest lands. **(Bring)**
 - Knowledge of human resource management practices, including strategies to recruit, support and sustain a diverse workforce. **(Bring - Supervisor only/Learn)**
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Technical

- Knowledge of remote sensing technology for vegetation and ecological classification. **(Bring)**
 - Knowledge of specification and classification standards for forest ecosystems.
(Learn - trainee/level 1 Bring - 2 or 3 level)
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Skills

Skills are those demonstrated abilities, or proficiencies which one has learned from their past. These are acquired/developed from past work and life experience, including volunteer work, independent study, life events, community and leisure activities, and formal training.

Skills are demonstrable, measurable and are transferable from one situation to another.

Communication

- Ability to document and/or develop technical, production, research reports and correspondence in a timely, clear, concise and complete manner. **(Bring)**

Personal attributes which may link with this skill statement include: conscientious, independent...

- Ability to verbally relay technical and/or forestry related information to client groups and the public clearly, accurately and at a level appropriate to the audience. **(Bring)**

Personal attributes which may link with this skill statement include: leader, conscientious, team player, confident...

- Ability to develop and/or deliver accurate presentations on ecosystem related information to promote understanding and educate a wide and varied audience including schools, coworkers, ministry and industry personnel.
(Learn - trainee/level 1 Bring - 2 or 3 level)

Personal attributes which may link with this skill statement include: leader, conscientious, confident, independent...

Leadership

- Ability to independently or in consultation with others train, coach, delegate work, set standards and monitor performance of employees to meet ministerial goals.
(Learn - trainee/level 1 Bring - 2 or 3 level)

Personal attributes which may link with this skill statement include: confident, conscientious...



- Ability to guide and coach a diverse group of employees, that results in a team that can meet its goals and objectives, while maintaining a healthy, productive, respectful and safe work environment that is free of discrimination.

(Bring - Supervisor only/Learn)

Personal attributes which may link with this skill statement include: team player, leader, confident...

Interpersonal

- Ability to co-operate, negotiate, and collaborate with co-workers, government agencies, public or private sector and non-government organizations. **(Bring)**

Personal attributes which may link with this skill statement include: team player, receptive, flexible...

- Ability to create an environment that recognizes, supports, respects and welcomes diversity of employees and clients. **(Bring - Supervisor only/Learn)**

Personal attributes which may link with this skill statement include: team player, receptive, flexible, confident...

Organizational

- Ability to independently and/or in collaboration with others plan, prioritize and schedule work assignments to meet unit, branch and ministry objectives. **(Bring)**

Personal attributes which may link with this skill statement include: independent, flexible, diligent...

Analytical

- Ability to identify, delineate and classify on a stereoscopic view of aerial photographs, various themes including vegetation, ecological sites, land forms and land use according to established classification systems, standards and specifications. **(Bring)**

Personal attributes which may link with this skill statement include: confident, independent, diligent, attentive to detail...



Technical

- Ability to accurately input, edit, update and retrieve information utilizing databases, spreadsheets or word processing software. **(Learn - trainee/level 1 Bring - 2 or 3 level)**

Personal attributes which may link with this skill statement include: attentive to detail, independent, conscientious ...

- Ability to accurately collect field data within photo interpretation, vegetation mapping and ecological inventory programs. **(Learn - trainee/level 1 Bring - 2 or 3 level)**

Personal attributes which may link with this skill statement include: conscientious, independent...

- Ability to operate, maintain and/or utilize a variety of types of field and office equipment such as ATV, vehicles, watercraft, chainsaws, increment borers, suunto, transfer scope, and stereo scopes according to applied safety and operational standards. **(Learn - trainee/level 1 Bring - 2 or 3 level)**

Personal attributes which may link with this skill statement include: conscientious, independent, diligent...

- Ability to develop and implement classification systems for specific themes (i.e. vegetation, ecosites, land forms) in a collaborative and/or consultative forum to meet the requirements of resource inventory and management programs. **(Learn)**

Personal attributes which may link with this skill statement include: confident, independent, flexible...



Personal Attributes

(Bring)

Personal Attributes identify qualities of character, which a person must have to be an effective and successful performer in the job. They are underlying characteristics which are deep and enduring parts of an individual expressed most of the time. They are one's personal style or personal effectiveness, such as feelings, attitudes, habits and traits. Each of these is demonstrated by behavioural examples which allow one to objectively determine whether an individual possesses the required personal attributes.

Attributes, together with the knowledge and skill competencies, help you to predict what a person will do in a given situation.

Personal attributes for the Forest Photo Interpreters include:

To Be...

- a leader
- a team player
- conscientious
- receptive
- accommodate individual differences
- understanding
- self-motivated
- personable
- diligent
- flexible
- objective
- open-minded
- flexible
- confident
- independent
- respectful
- welcoming
- equitable
- supportive
- empathetic

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