



JOB DESCRIPTIONS AND OCCUPATIONAL PROFILES

SURVEYOR'S ASSISTANT

- Helps the surveyor as required.
- Uses a rod with prisms to reflect the beam of the survey instrument to measure distances and angles (conventional survey).
- May operate the GPS equipment (GPS survey).
- Is responsible for giving the surveyor accurate shots on all shot points and land contours.
- If placing flags, responsible for choosing locations for shot points, as well as the accurate numbering and placement of flags at proper intervals.
- Reports to the Surveyor.

Working Conditions

- Some lifting (up to 20 kilograms) is required.
- Crews work outdoors in remote locations.
- They may have to stay in hotels, motels or camps when away from home for extended periods.
- They may be exposed to extreme weather, dirt, dust, mud, noise and fumes.

Personal Characteristics

Land surveyors need the following characteristics:

- A strong aptitude for mathematics and computers.
- The ability to visualize objects, distances, sizes and other abstract forms.
- The ability to work outdoors with precise electronic surveying instruments.
- Analytical and organizational skills.
- The ability to work effectively in a team environment.
- Good communication skills.

They should enjoy:

- Taking an innovative approach to problems.
- Using instruments and equipment in a precise, accurate manner.
- Making decisions and co-ordinating the work of others.

Educational Requirements

- Land surveyors need a good understanding of mathematics, physics, earth sciences, computer programming and cartography.

Preference is also given to applicants that possess safety training related to job duties:

- First aid/CPR training
- All-Terrain Vehicle (ATV) Canada Safety Council training and certification
- Snowmobile training certification
- General Oilfield Driver Improvement (GODI)

GWR offers in-house training for certain safety tickets:

- Hydrogen Sulphide (H₂S) Awareness
- WHMIS (Workplace Hazardous Materials Information System)
- Transportation of Dangerous Goods (TDG)
- Seasonal Training such as Wildlife Awareness and Cold Weather/Wilderness Awareness