GIS Analyst Position Description

Role Title:	GIS Analyst		
Incumbent:			
Department:	Professional Services	Location:	Terrace BC
Reports to:	General Manager	Issue Date:	

General Summary of the Role

The GIS Analyst is Silverwood's expert for all aspects of geo-spatial mapping, data management (standards, compilation, production, storage and exchange), analysis, technology/device management, advice and training for a wide range of natural resource sector projects and related services.

The GIS Analyst works closely with other professionals to support defensible, sustainable resource management decisions and products. The GIS Analyst works largely in an office environment, but also is expected to be able to work in the field as required. This role may be combined with the Forest or Environmental Technologist position if the incumbent meets both qualifications.

At all times the GIS Analyst demonstrates a strong, safe work ethic and exhibits a high level of professionalism that positively represents the company and encourages positive attitudes and behaviours within the Silverwood team.   This includes communicating effectively and respectfully with colleagues, clients and First Nations within whose territories we operate.

Key Results Areas/Duties and Responsibilities

Technical Expertise

- Develops spatial and a-spatial procedures, tools and solutions to support company goals;
- Leads geo-spatial work for designated projects, including client liaison, planning, delivery (data collection, data processing, analysis and production) and quality control;
- Supports the Field Operations team for designated projects (scheduling of data acquisition activities, data collection standards/methodologies, data compilation and submission methodologies, quality control and digital tools management);
- Assists project managers with the development of geo-spatial and related data management project specifications and technical procedures, including monitoring and quality control;
- Identifies needs, develops material and leads training (both in office and in the field) for staff and clients on data applications, tools and related geo-spatial technology;
- Maintains expertise through self-initiated learning on tools/techniques appropriate to advance Silverwood business goals; and,
- Other related duties in office and field as required.

Corporate Support

- Identifies and collaborates with senior staff to develop new business opportunities for the company
- Actively collaborates within the company and with external partners, clients and where appropriate, First Nations to deliver business goals and promote future business opportunities;
- Promotes a culture of innovation, quality management and self-improvement;
- Works with project management and business development team to optimize business goals including client satisfaction; and,
- Supports and implements corporate initiatives.

Qualifications

- Undergraduate degree or diploma in Geographic Information Systems, resource management, geography, computer science or a related field;
- Minimum 1 year recent experience working with: ESRI ArcGIS Desktop 10.x and ArcGIS Pro for spatial analysis, cartography and data management; and, developing web-mapping applications using ArcGIS Online;
- Minimum 1 year recent experience managing and implementing geospatial projects, providing geospatial solutions and delivering complex analysis projects in support of client's business needs;
- Recent experience supporting clients' use of mobile devices for field work using ArcGIS Collector and data collection software;
- Must possess a valid Class 5 BC Driver's licence that does not limit or restrict the ability to conduct the duties of the job;
- Preference given to candidates with working knowledge of LIDAR, drone imagery, imagery interpretation and analysis;
- Preference given to candidates with knowledge of automating GIS workflows using python scripting and ability to develop web-mapping applications using JavaScript or HTMLS; and,
- Preference given to candidates with working knowledge of natural resource management data sets, particularly from BC.

Competencies (Skills & Abilities)

- Excellent analytical thinking skills including the ability to systematically break down the problem into key elements, determine cause and effect relationships and validate accuracy of information;
- Able to proactively identify innovative options to improve business processes and creative solutions to existing problems;

- Ability to establish and maintain positive working relationships with management, staff, sub-contractors and the public, including Indigenous Peoples;
- Strong desire and ability to identify and meet the needs of clients and colleagues;
- Strong planning, organizing and coordinating skills; and,
- Ability to communicate effectively verbally and in writing;

Provisos

- Must be willing and able to occasionally travel and stay in field camps to meet job requirements;
- Prefer ability to be able to travel in fixed and rotary winged aircraft and watercraft; and,
- All applicants MUST be eligible to work in Canada immediately.