Location	Surrey
Salary Range	$59,802.68 - $68,060.72 annually
Close Date	11:00 pm on June 10, 2022
Posting Type	External (government employees & general public)
Ministry/Organization	BC Public Service -> Land, Water & Resource Sustainability
Ministry Branch/Division	Natural Resource Information & Digital Services/GeoBC/South Coast

Geospatial Analyst
Scientific Technical Officer 21R

This posting is to establish an eligibility list for temporary opportunities in Surrey, BC and Metro Vancouver area. Temporary (auxiliary) opportunities are currently available until March 31, 2023.

Apply your specialized knowledge and skills in this challenging and rewarding role

As the Geospatial Analyst, you will conduct advanced spatial data analysis in support of natural resource sector provincial agencies on resource management and stewardship. The geospatial services you provide form the core of the evidence-informed expert advice for delivering timely and durable decisions on the land base for the South Coast Region, and addresses both economic prosperity and environmental sustainability.

You are familiar with using ESRI's suite of GIS software, including ArcGIS Desktop and ArcGIS Online. The ability to automate analyses using Python is essential.

The projects and programs you will support may include identifying critical wildlife habitats and old growth management areas, analyzing resource values and impacts, supporting natural resource authorization projects, consulting with First Nations and other stakeholders, responding to emergency events, such as flood and wildfires, and developing web mapping and mobile geospatial solutions. One of our priority projects is the Stewardship Baseline Objectives Tool (https://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/resource-stewardship-tools/sbot) which uses online maps and dashboards to communicate objectives and current conditions for a number of resource values on the land base.

For complete details about this opportunity, including accountabilities, please refer to the attached job profile. For specific position related enquiries, please contact Joshua.Chan@gov.bc.ca. Information and tips about how to complete your job application, including adding or editing your résumé and applying for jobs, are available at the following link: https://www2.gov.bc.ca/gov/content/careers-myhr/job-seekers/current-job-postings/job-application

The BC Public Service is committed to creating a diverse workplace to represent the population we serve and to better meet the needs of our citizens. Consider joining our team and being part of an innovative, inclusive and rewarding workplace.

Surrey is a bustling city just outside of Vancouver, BC and close the US border with Washington State. With over 200 parks, a variety of arts and heritage events - including various seasonal celebrations - this urban centre is in a prime location to enjoy big city amenities with a community charm all its own.

With over 200 different occupations available in 280 communities across the province, we offer exciting opportunities for your career. Come, be a part of the BC Public Service, a Top 100 Employer that embraces diversity, health and career growth. For more information, please visit What the BC Public Service Offers.

NOTE: Applications will be accepted until 11:00 pm Pacific Time on the closing date of the competition.

JOB REQUIREMENTS:

To be considered for this position, your application must clearly demonstrate how you meet the education and experience as outlined below:

- Diploma or higher in Geographic Information Systems, or in a natural resource related discipline (e.g. Geography, Forestry, Mining) plus six months related experience; **OR**,
- An equivalent combination of education, experience, and training may be considered.
- Minimum one year of experience with ArcGIS.

Related experience <u>must</u> include:
- Experience delivering spatial analysis projects in support of client's business needs.
- Experience using Python.
- Experience creating web mapping applications including dashboards and story maps. (e.g. using ArcGIS Online)

Preference may be given for one or more of the following:
- Degree or higher in Geographic Information Systems, or in a natural resource related discipline (e.g. Geography, Forestry, Mining).
- Completed ArcGIS Pro training.
- Experience building spatial mobile solutions.
- Experience with SQL, R and/or JavaScript.

Applicants selected to move forward in the hiring process may be assessed on the Knowledge, Skills, Abilities and Competencies as outlined in the attached Job Profile.

A Criminal Record Check (CRC) will be required.

COVID-19 related information:
The BC Public Service has transitioned to a return to office. The return would require staff to adhere to office safety protocols including proof of vaccination status using the BC Vaccine Card. Other safety protocols including the wearing of masks, enhanced cleaning, and social distancing will be implemented where applicable.
More information from the Office of the Provincial Health Officer is available at:
- https://www2.gov.bc.ca/gov/content/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/current-health-topics/covid-19-novel-coronavirus
- https://www2.gov.bc.ca/gov/content/covid-19/info/restrictions

APPLICATION REQUIREMENTS:

Cover Letter: YES - Please submit a cover letter highlighting some of your relevant experience and suitability for the position.

Résumé: YES - A résumé is required as part of your application.

Questionnaire (Comprehensive): NO

BRITISH COLUMBIA
BC Public Service

Where ideas work

TITLE: GEOSPATIAL ANALYST   **CLASSIFICATION: SCIENTIFIC TECHNICAL OFFICER 21**

JOB OVERVIEW

As the Geospatial Analyst, you will conduct advanced spatial data analysis in support of natural resource sector provincial agencies on resource management and stewardship. The geospatial services you provide form the core of the evidence-informed expert advice for delivering timely and durable decisions on the land base for the South Coast Region, and addresses both economic prosperity and environmental sustainability.

You are familiar with using ESRI's suite of GIS software, including ArcGIS Desktop and ArcGIS Online. The ability to automate analyses using Python and/or Model Builder is essential. Your questionnaire responses need to showcase your experience performing spatial overlays, queries, analyses and statistical summaries.

The projects and programs you will support may include identifying critical wildlife habitats and old growth management areas; analyzing resource values and impacts; supporting natural resource authorization projects; consulting with First Nations and other stakeholders; responding to emergency events, such as flood and wildfires; and, developing web mapping and mobile geospatial solutions.

ACCOUNTABILITIES

- Conceptualizes designs, develops and executes advanced spatial analysis
- Reviews progress of projects for consistency with project management plan, compliance with ministry policy and standards, and prepares reports for clients.
- Provides advice to clients in the initiation, design, and specifications of projects, types of source data required and available, database structure, limitations and related specialized applications.
- Performs integrated spatial analysis from multiple combinations of spatial and attribute data from a diverse range of sources.
- Designs and develops spatial analysis applications using programming languages and tools to create custom program code.
- Conducts quality control checks to ensure end-user product reliability and validity.
- Develops spatial and attribute databases required for spatial analysis processes.
- Plans and coordinates the acquisition, processing and analysis of all data.
- Develops new data sets based on queries and models against existing data bases using a combination of spatial and relational data base management system tools.
- Contributes to spatial technology standards and procedures to support integrity, security and transferability of data and coordinating processes for quality assurance and archiving.
- Applies corporate data models and creates custom data models for local data sets.
- Integrates data from various sources and creates web map products including dashboards, maps, storymaps, and mobile apps.

JOB REQUIREMENTS

- Diploma or higher in Geographic Information Systems, or in a natural resource related discipline (e.g. Geography, Forestry, Mining) plus six months related experience; **OR**,
- An equivalent combination of education, experience, and training may be considered.
- Minimum One Year of experience with ArcGIS.

Career Group:	**Job Family**:	**Job Stream**:	**Role:**	**Revised Date:**
Scientific/Technical	Geomatics		Professional	November 2018

Related experience <u>must</u> include:
- Experience delivering spatial analysis projects in support of client's business needs.
- Experience using Python and Model Builder.
- Experience creating web mapping applications including dashboards, story maps and mobile apps. (e.g. using ArcGIS Online).

Preference may be given for one or more of the following:
- Degree or higher in Geographic Information Systems, or in a natural resource related discipline (e.g. Geography, Forestry, Mining).
- Completed ArcGIS Pro training.
- Experience building spatial mobile solutions.
- Experience with SQL, R and/or JavaScript.

SECURITY SCREENING
- Successful completion of security screening requirements of the BC Public Service, which may include a criminal records check, and/or Criminal Records Review Act (CRRA) check, and/or enhanced security screening checks as required by the ministry **(Note: It is important that you read the job posting carefully to understand the specific security screening requirements pertaining to the position).**

BEHAVIOURAL COMPETENCIES
- **Analytical Thinking** is the ability to comprehend a situation by breaking it down into its components and identifying key or underlying complex issues. It implies the ability to systematically organize and compare the various aspects of a problem or situation, and determine cause-and-effect relationships ("if...then…") to resolve problems in a sound, decisive manner. Checks to ensure the validity or accuracy of all information.
- **Commitment to Continuous Learning** involves a commitment to think about the ongoing and evolving needs of the organization and to learn how new and different solutions can be utilized to ensure success and move the organization forward.
- **Service Orientation** implies a desire to identify and serve customers/clients, who may include the public, coworkers, other branches/divisions, other ministries/agencies, other government organizations and non-government organizations. It means focusing one's efforts on discovering and meeting the needs of the customer/client.
- **Teamwork and Cooperation** is the ability to work cooperatively within diverse teams, work groups and across the organization to achieve group and organizational goals. It includes the desire and ability to understand and respond effectively to other people from diverse backgrounds with diverse views.

INDIGENOUS RELATIONS BEHAVIOURAL COMPETENCIES
- **Cultural Agility** is the ability to work respectfully, knowledgeably and effectively with Indigenous people. It is noticing and readily adapting to cultural uniqueness in order to create a sense of safety for all. It is openness to unfamiliar experiences, transforming feelings of nervousness or anxiety into curiosity and appreciation. It is examining one's own culture and worldview, and the culture of the BC Public Service, and to notice their commonalities, and distinctions with Indigenous cultures, and worldviews. It is recognition of the ways that personal and professional values may conflict or align with those of Indigenous people. It is the capacity to relate to or allow for differing cultural perspectives and being willing to experience a personal shift in perspective.

The competencies listed above complement the required accountabilities for this position. For more information about behavioural interviews, competency definitions, and to watch interview videos, please visit: [Competencies in the BC Public Service](#).