The Ktunaxa Nation is characterized by the spirit of courage, initiative, innovation, perseverance and leadership that it has brought to the work of preserving and protecting both the past and the future of its people. This has been accomplished through the exceptional commitment and vision of its human resources. It is therefore expected that employees who represent the Ktunaxa Nation will be committed to honouring the spirit of the Nation’s work by putting their best into all that they do and by conducting themselves at all times ethically, professionally and respectfully.

POSITION SUMMARY:

The Ktunaxa Nation is seeking a self-motivated individual with GIS skills and preferably a complementary skill set in another natural resource field such as forestry or earth sciences.

This position operates within the objectives of conserving and restoring lands, fisheries/aquatic resources and ecosystems within ʔamakʔis Ktunaxa. It participates in the coordination, facilitation, and technical support of Ktunaxa Nation initiatives related to conservation and stewardship. Another objective is the mapping of significant sites and values that support Title and Rights.

The GIS Analyst is responsible for spatial and non-spatial tools to visibly articulate Ktunaxa values, history, and future objectives. Mapping and analysis inform decision making relevant to protecting Ktunaxa Nation interests. The GIS analyst will create, modify, and analyze digital GIS (and other) databases and create mapping products as well as other analyses outputs.

The variety of work includes participation with forestry projects, environmental assessments, sites of archaeological significance, wildlife corridors, Indigenous Protected and Conserved Areas, watersheds land stewardship projects, field data collection systems, and land use referral consultations. There is a focus on bridging the gap between data collection and analysis.

Ktunaxa communities and staff will benefit from this position’s expertise through assistance and training on the use of GIS and other related technology. Technical information is presented in plain language at Ktunaxa Nation Council (KNC) meetings and public forums related to work performed.

RESPONSIBILITIES:

CARTOGRAPHY

- Create maps specific to the Ktunaxa Nation. Read maps from external sources and integrate Ktunaxa values.
- Build custom modelling/analysis techniques for mapping requests and develop mapping products for in-house and public audiences.
- Manage design and quality control.
• Produce digital and printed output.
• Evolve with changing technologies and find cost-effective solutions for the work of the Nation.

DATABASE MANAGEMENT
• Create and update geographic databases;
• Develop methods for integrating field data into digital databases and GIS;
• Store vector and raster data in a relational database management system. Maintain the database of images to protect the digital assets created.
• Maintain awareness of government databases that are available to complement internal work and integrate information as required.

SPATIAL AND NON-SPATIAL ANALYSIS
• Develop and execute spatial analysis and presentation projects that integrate digital data from diverse sources.
• Manipulate, extract, locate, and analyze geographic data.
• Use geo-processing tools and data analysis to explore the relationships between map features.
• Develop workflow and GIS modeling techniques for Ktunaxa Nation Council (KNC) operations.

PROJECT SUPPORT
• Participate in internal and external meetings to support projects of the Lands and Resources Sector.
• Prepare and deliver briefing notes, technical reports, and recommendations to leadership, communities, or management for information-sharing and to support decision-making;
• Provide technical support to Ktunaxa staff and member communities;
• Support professional development of technical staff in relation to GIS.

OTHER DUTIES
• Provide coordination support for Guardian Team activities as assigned by the Team Lead.
• Occasionally manage all aspects of project implementation, including resourcing, budgeting, scheduling, reporting, quality management, and day-to-day liaising with KNC staff, contractors, and partners;
• Safety on the job.

QUALIFICATIONS:

Academic Preparation
• Minimum Diploma in Geographic Information Systems or related discipline with GIS experience; Forester Diploma, Natural Resource Management or biology background.
• Preferred Degree in Geographic Information Systems or related discipline such as geography, or earth science and GIS experience;

Required Skills, Knowledge and Experience
• A strong researcher and practitioner with the ability to create meaningful maps, plans, graphics and other presentation materials from GIS data;
• A broad understanding of resource and environmental management in a First Nations context;
  o Organized, analytical and creative when it comes to problem-solving;
  o Coordination, supervisory and/or mentorship experience with environmental technicians would be an asset;
• Experience in ecological monitoring and research related to GIS applications.
• Ability to communicate complex information to a variety of audiences;
• Knowledgeable in relevant GIS software and programming
  o ESRI's ArcMap and ArcCatalog,
- SQL, and Python.
- Experience in Avenza Maps, Pix4d, Saga GIS and R considered an asset;
- Experience in land and marine-related GIS applications
- Advanced computer skills in MS Word, Excel, databases, and statistical analysis programs; Programming skills an asset.
- Experience coordinating and organizing project activities within a budget;
- Demonstrated ability to proficiently complete the identified job duties/responsibilities.
- Excellent interpersonal skills (facilitation, mediation, negotiation, leadership);
- Ability to work independently;
- Ability and commitment to working within a team environment.
- Must have a valid Driver’s License;

Come with your willingness to learn!

Please submit your cover letter and resume telling us what attracts you to the position and how your experiences relate.

Human Resources
Ktunaxa Nation Council
PO 7825 Mission Road
Cranbrook, BC V1C 7E5
KNC-HR@ktunaxa.org
Fax: (250) 489-2438

CLOSING DATE: July 13th, 2020 at 4:30 pm MST

We thank those who apply; however, only those selected for an interview will be contacted.