



REQUEST FOR PROPOSAL

Title: SeArch Project Airborne Magnetic Survey

Date Issued: Monday, June 29, 2015

Solicitation Closes: 12:00 noon Pacific Time, Monday, July 13, 2015

Enquiries to: Christa Pellett
Project Manager, Geoscience BC

Email: pellett@geosciencebc.com

THE ORGANIZATION

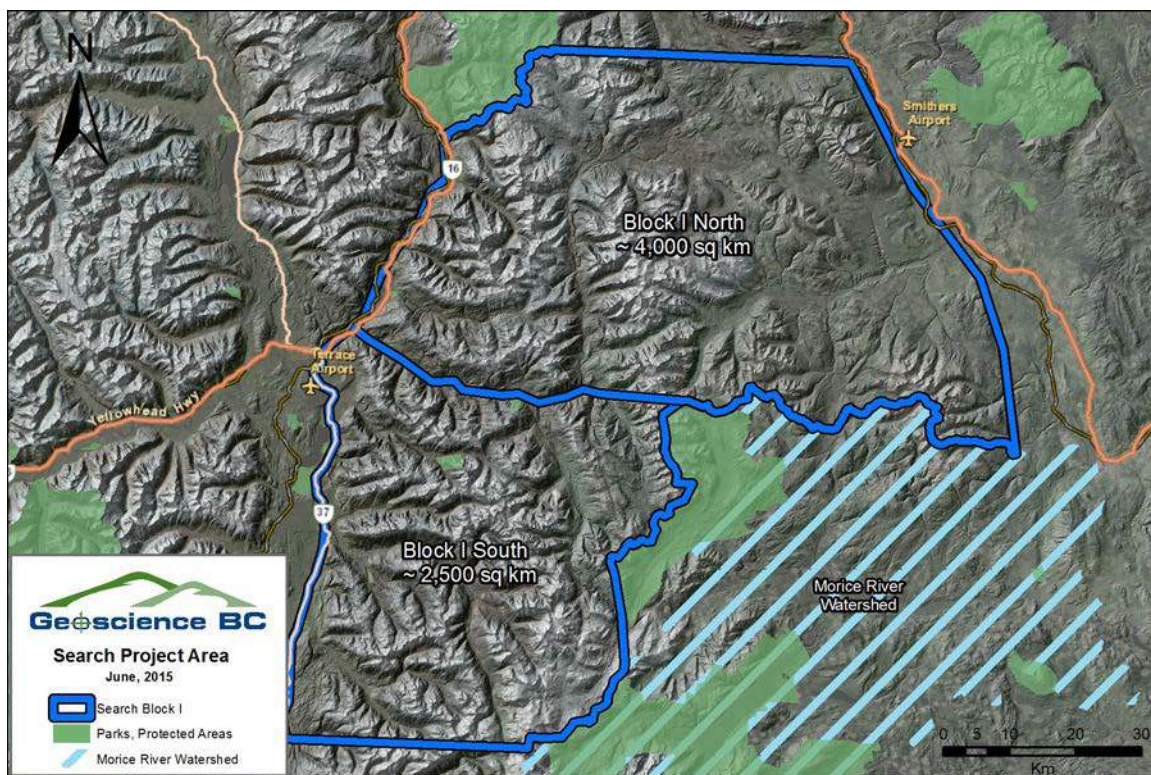
Geoscience BC is an independent, not for profit, geoscience organization with a mandate to attract new mineral and oil and gas investment to British Columbia through geoscience. Geoscience BC works in partnership with industry, academia, government, First Nations, and communities to fund innovative applied geoscience projects.

INTRODUCTION / THE PROJECT

The SeArch Project, launched in 2015, is designed to stimulate new mineral exploration activity and to enhance the success of existing exploration activities in central British Columbia. This project has been designed to develop a better understanding of the mineral potential of the area, by collecting new geophysical and geochemical data, and integrating the results into new geoscience products.

Geoscience BC is now seeking proponents to undertake **two** separate airborne magnetic geophysical surveys over the SeArch project area (Blocks 1 North and South respectively). **Proponents must submit separate proposals for Blocks 1 North and South.** ArcInfo Shapefiles are available for download from Geoscience BC's website at:

www.geosciencebc.com/s/RequestsforProposals.asp?ReportID=7144h



OBJECTIVES/REQUIREMENTS

The contractor shall provide all of the necessary facilities, equipment, materials, competent and experienced personnel and supervisory and administrative support to complete the project. It is planned that data acquisition will be completed during the summer and fall months of 2015.

Final processed data and reports must be delivered to Geoscience BC by November 30, 2015. A penalty will be negotiated for late delivery of the final deliverables.

Prior to the start of the survey, the contractor's representatives are required to meet with the Contracting Authority to discuss all aspects of the work.

TECHNICAL SPECIFICATIONS AND DETAILS

This Request for Proposals (RFP) is focused on acquiring airborne magnetic data in two separate survey blocks in the SeArch project area. **Proponents must submit separate proposals for Block 1 North and Block 1 South.**

A) Data Acquisition Specifications and Minimum Standards:

The requirement is for an airborne magnetic survey. The magnetic data is the primary data set.

The survey data acquired will comprise diurnally corrected, tie line levelled, total magnetic field.

Flight line spacing will be 250 m with flight lines oriented east-west on a UTM-based grid. North-south tie lines will be flown at an average spacing of 2500 m. The navigation will be GPS controlled, and east-west flight lines shall not vary from the planned flight line by more than 50 m over a distance of 1500 m. Tie lines shall be designed to maximize the usefulness of tie points.

Geoscience BC considers that this survey will likely be done using a helicopter.

The desired ground clearance is 80 m, subject to the safe operation of the aircraft. Potential contractors will submit with their proposal a map indicating the "drape surface" that the survey operator intends to fly taking into account the operational parameters of the survey aircraft and the safe operation of the aircraft. From this a map of the expected ground clearance will be provided, considering the proposed aircraft to be used. It is expected that there may be areas that cannot be flown with the sensor 80 m above the ground. Contractors will address the issue of differing flight heights when climbing and descending over ridge lines, designing the drape surface and processing to minimize this effect. Contractors will provide Geoscience BC their survey processing methodology in advance of executing the survey. Altitude during survey operations will be controlled within 15 m, providing tie-line fits of less than 30 m. Any tie-line with more than 10% of the tie-line intersections not meeting this specification will be reflown. The planned drape surface to be flown may be calculated using the **GSC Open File 7690 program Drape DTM 2.0**, for example.

The data sampling rate will be 10 samples per second. A noise envelope of 0.1 nanoteslas is required.

A base station magnetic recorder will be operated within the survey area to provide a magnetic storm record, and to provide data for diurnal correction. Survey operations will be restricted to periods of low geomagnetic activity. Using the method of chords on the geomagnetic base station record, the non-linearity of the diurnal activity over any five minute period will not exceed 10 nanoteslas. The base station will be located in a suitable location away from sources of local magnetic interference.

All corrections applied during the data reduction period will be documented and the data will be provided in a manner that each correction can be examined and removed if desired by future users of the data. For example, data corrections may comprise aircraft heading corrections, position lag corrections, adjustments for vertical sensor position, diurnal corrections, tie line corrections, micro-leveling corrections and IGRF removal. These will be individually documented in the digital data base supplied as a final deliverable. A current IGRF model shall be used and documented.

Final data will be provided as a digital database of located flight line data, and as a map of interpolated, residual magnetic intensity values and computed 1st vertical derivative of the residual magnetic intensity after all survey corrections and IGRF removal. Digital grids employed in the map generation process will be provided. Maps will be provided in paper copy, and in digital formats using pre-agreed scales and projections.

All coordinates will be recorded as latitude and longitude, and as UTM eastings and northings in the NAD83 datum.

Potential contractors providing a response to the RFP may propose alterations to these data specifications taking into account Geoscience BC's objective to acquire high quality aeromagnetic data. These will be considered on their merits.

B) Data Processing Specifications and Minimum Standards:

State-of-the-art, high quality processing procedures to optimize data quality are required.

C) Deliverable Items

Unless otherwise specified, digital data and summary maps of key results.

The following items will be delivered to Geoscience BC:

1. Daily progress reports and weekly progress reports, and regular field data uploaded to ftp facilities for QA/QC. The magnetic diurnal variation/magnetic storm monitor data record acquired during data acquisition flights shall be included with daily reports for review by Geoscience BC.
2. Location and flight line map.
3. Aircraft/instrument height map.
4. Final logistics and processing report to accompany maps and digital data. This report will contain information on processing strategy, testing and selection of final processing parameters. Two (2) print copies and one digital copy in PDF format, which must include the following:
 - i. A report number supplied by Geoscience BC;
 - ii. The name and location of the survey;
 - iii. The name and address of the contractor, the phone and fax numbers of the company and the date of the survey;
 - iv. A list of contents;
 - v. Details of individual processing steps applied; and
 - vi. A summary of specific problems encountered during processing and solutions developed.

CONTENT OF PROPOSAL

The proposal **should** contain

1. A summary of the proponent's relevant past project work, including any previous projects completed for Geoscience BC.
2. A timeline for the project, including an undertaking to start the project in a timely manner with monthly reporting of the status of the project.
3. A specification of the airborne system to be used, including the aircraft, system geometry, compensation system and equipment specifications.
4. A specification of the data processing methodology to be used.

5. An undertaking to start the project in a timely manner with weekly reporting of the status of the individual aircraft and system to be used, both before and during the survey operations.
6. A price for the survey in Canadian dollars. This will be an all-inclusive price, including all mobilization, logistical support and aircraft costs, and including the final presentation of the data in maps and digital formats. Also, a cost to fly additional line kilometres should be included. The contractor will be obliged to fly additional line kilometres up to an additional 25% of the total contracted line kilometres if Geoscience BC should desire to do so. Further increases in the size of the survey will be by mutual agreement.
7. A commitment to work with Geoscience BC on community outreach and engagement activities in local communities in the vicinity of the project.

The submission of standard business development or promotional materials published corporate profiles, annual reports, standard marketing or sales brochures and other like materials is discouraged.

Each Proponent is solely responsible for conducting their own independent research, due diligence, and any other work or investigation, and seeking any independent advice necessary for the preparation of the Proposal. Nothing in this RFP is intended to relieve the Proponents from forming their own opinions and conclusions with respect to the matters addressed in this RFP.

CONFIRMATION OF INTEREST

Each Proponent who intends to submit a Proposal in response to this RFP shall confirm its intention and provide a single point of contact, phone number, fax number and e-mail address to Christa Pellett at Geoscience BC.

Contact:	Christa Pellett
E-Mail:	<i>pellett@geosciencebc.com</i>

SUBMISSION OF PROPOSALS

Proposals will be accepted in the form of an electronic submission in PDF format to pellett@geosciencebc.com by the time and date indicated on page 1 of this RFP document. Proposals submitted in response to this RFP will not be returned, and will be kept confidential. Original Proposals submitted after this deadline will not be accepted. Each Proponent shall be responsible for the timely delivery of its Original Proposal. All components of a proposal must be received by the submission deadline.

Geoscience BC may extend the Submission Deadline by issuing an Addendum prior to the Submission Deadline. Proponents who have confirmed their intention to submit a Proposal will be advised directly of any extension to the Submission Deadline.

ENQUIRIES / TIME EXTENSION TO THE RFP CLOSING DATE

All enquiries and other communications related to this RFP throughout the solicitation period shall be directed in writing only, by email, to Christa Pellett.

To ensure the equality of information among Proponents, answers to enquiries which are relevant to the quality of the proposals will be communicated to all proponents who have confirmed their interest in submitting a proposal. Such enquiries must be received at least two (2) working days before the submission deadline. A request for a time extension to the RFP submission deadline WILL NOT be considered.

VALIDITY OF PROPOSAL

Any cost estimates associated with the proposals must remain valid for acceptance for a period of not less than ninety (90) days after the submission deadline of the RFP. After the RFP closing date, no amendments to the proposal will be accepted. However, during the evaluation the Technical Authority may require clarification from or conduct interviews with the Proponents.

AMENDMENT OF PROPOSAL

A Proponent may amend its Proposal prior to the Submission Deadline by withdrawing its original Proposal and submitting a revised Proposal.

Geoscience BC may, in its sole discretion, seek clarification of any matter in a Proposal in any manner it considers appropriate including investigating the abilities and experience of a Proponent, seeking information from other parties about a Proponent, requiring Proponents to submit supplementary documentation and seeking a Proponent's acknowledgement of Geoscience BC's interpretation of the Proponent's Proposal.

APPLICABLE LAWS

Any contracts subsequently negotiated and awarded with respect to this RFP shall be interpreted and governed, and the relations between the Parties determined, by the laws in force in the province of British Columbia and the parties attorn to the jurisdiction of the British Columbia courts.

RIGHTS OF GEOSCIENCE BC

Geoscience BC reserves the right to:

- a) Reject any or all proposals received in response to this RFP
- b) Enter into negotiations with one or more Bidders on any or all aspects of its proposal;
- c) Accept any proposal in whole or in part;
- d) Cancel and/or reissue this requirement at any time;
- e) Award one or more contracts;
- f) Verify any or all information provided with respect to this requirement;
- g) Award contracts without competition for follow-on-work if any, to the successful Proponent for this requirement;
- h) Reduce or increase the overall RFP scope by up to 20%.

INFORMATION PROVIDED BY GEOSCIENCE BC

No representation or warranty, expressed or implied, is made and no responsibility of any kind is accepted by Geoscience BC, or its advisors, employees, consultants or agents, for the completeness or accuracy of any information contained in the RFP Documents or that is provided during the RFP process or contract negotiation process, or under a contract that may be entered into, if any.

CHANGES TO THE RFP DOCUMENTS

Geoscience BC may, prior to the Submission Deadline, without liability, cost or penalty, alter the Submission Deadline and amend or supplement the RFP Documents by Addenda only. No other communications of any kind whatsoever will modify the RFP Documents.

COSTS OF PROPOSAL

The Proponent shall bear all costs and expenses with respect to the preparation and submission of its Proposal and any other activity pertaining to its Proposal, including its participation in the RFP process and contract negotiation, if any. Geoscience BC shall not be liable to pay any such costs/expenses regardless of the conduct or the outcome of the RFP process.

CONFIDENTIALITY

Geoscience BC and its partners will take all reasonable precautions to maintain the confidentiality of the information submitted by the Proponents, subject to any disclosure required by law. Geoscience BC reserves the right, however, to disclose the Proposal to employees, servants, agents, advisors and consultants of Geoscience BC and its partners and affiliates for the purpose of assisting Geoscience BC in evaluating the Proposal. The employees, servants, agents, advisors and consultants of Geoscience BC and its partners and affiliates will not be liable for any damages resulting from any disclosure before, during or after the issuance of this RFP and the submission of a Proposal.

Proponents will take all reasonable precautions to maintain the confidentiality of any information provided by Geoscience BC, subject to any disclosure required by law. Proponents reserve the right, however, to disclose the Proposal to employees, the servants, agents, advisors and consultants of the Proponent and its affiliates for the purpose of assisting the Proponent in preparing the Proposal.

NO PUBLIC STATEMENTS

Recipients of and Proponents to this RFP shall not issue any public statement or news release pertaining to this RFP without the prior written consent of Geoscience BC.

ABSENCE OF CONTRACTUAL OBLIGATIONS DURING RFP PROCESS

- (a) Geoscience BC shall have no obligation to enter into a contract with a Proponent in respect of the provision of Services that are the subject of this RFP. Geoscience BC shall only have obligations to a Proponent if it decides to execute a written agreement with a Proponent and such obligations shall be in accordance with the terms and conditions of that agreement as finalized between Geoscience BC and the Proponent.
- (b) Geoscience BC may, in its sole discretion, for any reason and at any time, take any action in respect of the Proposals it receives including:
 - (i) Entering into further discussions or clarification meetings with one or more of the Proponents;
 - (ii) Entering into any contract or contract negotiations with one or more of the Proponents;
 - (iii) Inviting any of the Proponents to participate in another competitive process to carry out the Services;
 - (iv) Requesting one or more of the Proponents to supplement and resubmit their Proposal;
 - (v) Accepting or rejecting any Proposal;
 - (vi) Annulling this RFP process and rejecting all Proposals; or
 - (vii) Annulling this RFP process and commencing a new process;

at any time without incurring any liability to any Proponent and without any obligation to inform Proponents of the reasons for Geoscience BC's actions. Nothing in this subsection or elsewhere in the RFP Documents shall impact or affect the validity of (a) and (b).

FURTHER INFORMATION, CLARIFICATION AND CONTACT INFORMATION

Requests for further information, clarification or for any other purpose related to this RFP are to be made by e-mail to:

Christa Pellett

E-Mail: pellett@geosciencebc.com

- (a) Proponents are responsible for seeking any clarification that they require well in advance (at least 2 working days) of the Submission Deadline. Geoscience BC shall not be responsible for any misunderstanding of the RFP Documents.
- (b) For all purposes related to this RFP, Proponents shall not contact or attempt to contact:
 - (i) Any Geoscience BC officer, employee, subcontractor, agent, representative, consultant or volunteer with respect to this RFP, **other than the Geoscience BC contact set out in subsection (a) above; and**
 - (ii) Any other prospective Proponent except for the purpose of discussing the possibility of submitting a Proposal as a Joint Venture.

METHOD OF SELECTION

Geoscience BC shall, in its sole discretion, use any evaluation criteria (whether subjective or objective), it deems suitable to evaluate the Proposals. In the event that Geoscience BC selects a Proponent for the provision of the Services, Geoscience BC will notify each Proponent in writing, and Geoscience BC's method of selecting the Proponents will remain confidential to Geoscience BC.

AGREEMENTS

Geoscience BC will confirm the business arrangement in the form of a Project Agreement to be drafted after selection of the successful Proponent(s).