



GENERAL REQUEST FOR PROPOSALS 2009

Geoscience to Stimulate Exploration Activity in the Nechako Basin, British Columbia

Issue Date: July 27, 2009

Closing Date: September 28, 2009

Deliver to:

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Geoscience BC is an innovative and applied geoscience centre dedicated to the collection, interpretation, and marketing of geoscience expertise, information, and products to attract exploration investment to BC.

REQUEST FOR PROPOSALS

Geoscience to Stimulate Exploration Activity in British Columbia

Due: September 28, 2009 (noon)

In support of our mandate to attract oil and gas investment to the Nechako basin area of BC, Geoscience BC is pleased to issue this request for proposals for applied geoscience projects that will further the understanding of the evolution and hydrocarbon potential of the Nechako basin. We encourage proposal submissions from industry, academia, government, First Nations, communities and not-for-profit organizations.

Over the last three years, Geoscience BC has provided funding for a range of geoscience projects in the Nechako basin, and many of these results are now available. Projects that obtain additional information from these existing datasets, or develop integrated interpretations from multiple datasets, or acquire additional appropriately targeted geoscience information are welcomed.

Areas of interest include, but are not limited to:

- Reprocessing of the 2008 Geoscience BC Vibroseis survey; attenuation of scattered coherent noise is one area of interest, but proponents are encouraged to examine the seismic data, which is available from the Geoscience BC web-site, and to propose their own approaches to improved seismic imaging.
- Quantitative simulation of the response of airborne electromagnetic surveys over the Nechako basin using the results from existing magnetotelluric and borehole surveys in order to discriminate Cretaceous sedimentary rocks from other lithologies at depths up to 2 km.
- Heat flow and thermal evolution of the Nechako basin. Cost effective measurement of heat flow or the identification of areas of elevated present heat flow from other data are areas of interest.
- Geological studies of basin stratigraphy and faulting, especially those that can provide age and paleoenvironmental constraints on the various stages of basin evolution using chips or cores recovered from boreholes or the available outcrop.
- Constraints on the distribution and thickness of the Eocene volcanics from either direct sampling or remote sensing methods.
- Development of regional tectonic models that integrate a wide variety of relevant geoscience datasets, including faulting history, and have the potential to indicate the thickness of Cretaceous and/or Eocene sedimentary rocks across the basin.
- Slimhole drilling to constrain stratigraphy under the volcanics and borehole logs that complement recovered core.

Considerations:

Proposals should include a clear justification for the proposed geoscience, including relevance to future hydrocarbon exploration of the basin if the project does not fall in the above areas. The expected results of the project and deliverables should be clearly laid out.

Preference will be given to proposals that incorporate matching funding from industry. Industry partners may negotiate exclusive access to the data for an appropriate amount of time prior to the data being released into the public domain.

In addition, proponents are encouraged to support student projects, or involve First Nations or local community expertise (e.g. prospectors, local contractors, etc.) in their proposal.

Funding for proposals will be considered at all levels; however, proposals requesting more than \$200,000 from Geoscience BC will be required to demonstrate both high technical merit and exceptional value to hydrocarbon exploration in central BC. Only proposals related to hydrocarbon exploration in BC's Nechako Basin will be considered.

Geoscience BC will only consider funding projects that will be completed on or before **March 31, 2011**.

For more information, please refer to Appendix A: Proposal Guidelines.

Eligibility:

Proposals will be accepted from individuals or teams working with industry, private consultants, universities or colleges, First Nations or government, communities or not-for-profit agencies.

Current Geoscience BC Projects:

Proposals requesting additional funding for a current Geoscience BC Project are asked to notify Geoscience BC well ahead of the proposal deadline, and to include an up to date statement of expenditures for the existing project.

Submission:

Persons or organizations wishing to make a submission under this RFP should submit a **maximum** 10 page proposal (including budget) describing the aim and scope of their project, reasons why the proposed work will attract hydrocarbon exploration investment to BC, personnel involved, an estimate of the total budget, and a summary of project deliverables and timing. Information on proposal guidelines and required budget template for an RFP can be found in Appendix A.

RFP's should be delivered, via email in MS Word or PDF format to Geoscience BC at proposals@geosciencebc.com by **noon on September 28, 2009**. All proposal proponents (successful or otherwise) will be notified in December 2009.

Geoscience BC
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APPENDIX A: PROPOSAL GUIDELINES

Proposal Submission

Persons (the proponents) wishing to make a submission under this request for proposals (RFP) should prepare a **maximum** ten page proposal that includes the items listed below. Any pages past the 10 page limit will be disregarded and not submitted for review. Any costs or fees associated with preparing a proposal under this call shall be at the expense of the proponent.

Please submit your proposal via email in MS Word or PDF format to Geoscience BC, at proposals@geosciencebc.com by **noon on September 28, 2009**.

*Please include the following **required** information in your submission:*

- 1) Project executive summary and the relevance of the project to Geoscience BC's mandate and the project goal of stimulating hydrocarbon exploration in British Columbia's Nechako Basin.
- 2) Index or location map, at the appropriate scale, that shows the location of the project relative to towns, cities, roads or other cultural features (particularly parks and protected areas). This map must show NTS map boundaries and numbers.
- 3) Detailed project description that clearly outlines the objectives, methods, expected outcomes and key deliverables. The description must demonstrate that the project is scientifically sound, technically feasible and of an applied and innovative nature. It should also indicate how the project relates to other recent or on-going research by the proponents, other researchers or provincial or federal agencies. Include appropriate references as necessary.
- 4) Description of the key personnel involved in the project including their experience with related projects, their credentials and professional affiliation and any relevant publications. All persons or organizations that will play a key roll in the project must be identified in the proposal.
- 5) Dates for completion of the various parts of the proposed project. **Note:** All final deliverables for the proposed project must be submitted to Geoscience BC on or before March 31, 2011.
- 6) Detailed budget using the provided template (see below).

The following information is recommended to be included in your submission, if applicable:

- 1) Other maps, illustrations, and photographs as required to fully describe the project.
- 2) QA/QC procedures that will be employed.
- 3) The details of any training aspects to the project.
- 4) Letter(s) from industry or other sources of matching funds indicating their willingness to support the project if approved and the level of support anticipated.

Deliverables

In addition to any final project deliverables specified by the proponent, Geoscience BC requires that each funded project submit the following interim deliverables **annually** (until the project is complete):

- A poster for display at the Canadian Society of Petroleum Geologists joint annual convention in Calgary each May
- An article for Geoscience BC's Summary of Activities (submission deadline in mid-October)

Budget Details

A detailed budget **must** be submitted using Geoscience BC's "Proposal Budget Template" available at www.geosciencebc.com/s/RequestsforProposals.asp?ReportID=356715. As your project progresses, you will need to use this template to report your actual expenditures to Geoscience BC. This will allow for easy comparison between the proposed budget and actual expenditures. Please add lines as necessary to properly complete your budget (e.g. If there are multiple personnel at different rates of pay, add a line for each group).

In addition, please note the following information:

- Outline a complete budget for the project that includes the funding requested from Geoscience BC and any matching funding that has been secured, or will be requested from other sources. Components of the proposed project do not need to be separated out as to the source of funds, unless matching or Geoscience BC funds will be directed to a certain part of the project budget.
- Geoscience BC reserves the right to approve a smaller budget than submitted in the proposal.
- Geoscience BC does not pay overhead.
- It is expected that proposals will come with supporting funding from the proponent's organization in the form of salaries, laboratory facilities, computer resources, student stipends, equipment, logistics, etc. Proposals with a high level of supportive funding are looked upon favourably.

Selection

Proposal selection will be made by Geoscience BC's Technical Advisory Committee and Board of Directors.

Geoscience BC reserves the right to accept or reject any and all proposals received.

Information on successful proposals will be published on Geoscience BC's website.

Proposal reviews will focus on the following:

- **Technical Quality** – Is the project technically sound and well defined with clearly articulated objectives? Is it feasible? Is it innovative?
- **Industrial relevance** – Does the project demonstrate an application to hydrocarbon exploration in BC? Is it likely to result in increased investment in exploration? Is the project supported by matching industry funds?

- **Personnel** – Do the proponents have the experience and qualifications to complete the project? Have previous projects been completed and delivered in a timely manner? Are there any training aspects to the project?
- **Budget** – Is the budget well defined and competitive? Is it realistic? Has the project generated supportive funding?
- **Completion Date** – Will the project be completed on or before March 31, 2011?

For more information on submission guidelines, please contact:

Christa Sluggett, Project Geologist and Communications Coordinator, Geoscience BC
604-662-4147 ext 21
sluggett@geosciencebc.com

Kirstie Simpson, VP Minerals Research, Geoscience BC
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APPENDIX B: PROJECT AGREEMENT TERMS AND CONDITIONS

All successful proponents are required to enter into a Project Agreement with Geoscience BC. The terms and conditions required by Geoscience BC can be found on the following webpage: www.geosciencebc.com/s/RequestsforProposals.asp?ReportID=356715. Any questions or concerns regarding these agreements should be directed towards Christa Sluggett, Project Geologist and Communications Coordinator.