



REQUEST FOR PROPOSAL

Title: Processing of Vibroseis seismic reflection data recorded in southern Nechako basin, British Columbia

Date Issued: 7th September 2007

GBC Ref. No: S-2007-02

Solicitation Closes: 2:00 PM on 12th October 2007 Pacific Daylight Savings Time

Enquiries to: Andrew J. Calvert, Nechako Project Leader
(Tel: 778-782-5511; Email: acalvert@sfu.ca)

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SECTION I – PART I: DESCRIPTION OF REQUIREMENT

Title

Processing of Vibroseis seismic reflection data recorded in southern Nechako basin, British Columbia

Statement of Work

You are invited to submit technical, management and price proposals for the processing of regional Vibroseis data to be recorded in the southern Nechako basin of British Columbia. The successful Bidder will be required to perform the Work in accordance with the Statement of Work attached as Annex “A”.

Delivery

All deliverables under any resultant contract must be received by Geoscience BC on or before 31st March 2008.

SECTION I – PART II: STANDARD INSTRUCTIONS, CLAUSES, GENERAL TERMS AND CONDITIONS

Ownership of Intellectual Property

Any intellectual property arising from Research and Development carried out in the course of Work under the Contract will vest in Geoscience BC.

Bidder Performance

- a) Geoscience BC may reject a bid where any of the following circumstances is present:
 - i. the Bidder becomes bankrupt or is insolvent or is seeking statutory creditor protection or where, for whatever reason, its activities are rendered inoperable for an extended period;
 - ii. evidence, satisfactory to Geoscience BC, of fraud, bribery, fraudulent misrepresentation or failure to comply with any law protecting individuals against any manner of discrimination, has been received with respect to the Bidder, any of its employees or any subcontractor included as part of its bid;
 - iii. Geoscience BC has exercised its contractual remedies of suspension or termination for default with respect to a Contract with the Bidder, any of its employees or any subcontractor included as part of its bid; or
 - iv. Geoscience BC determines that the Bidder’s performance on other contracts, including the efficiency and workmanship as well as the extent to which the Bidder executed the work in accordance with contractual terms and conditions, is lacking in sufficient quality to jeopardise the successful completion of the requirement being bid on.

- b) Where Geoscience BC intends to reject a bid pursuant to a provision of paragraph (a), the Contracting Authority will so inform the Bidder and provide the Bidder ten days within which to make representations, prior to making a final decision on the bid rejection.

SECTION I – PART III: OTHER INSTRUCTIONS

Contracting Authority

The Contracting Authority for this Request for Proposal (RFP) is:

Andrew J. Calvert
Nechako Project Leader
Department of Earth Sciences
Simon Fraser University
Burnaby, BC, Canada V5A 1S6

Tel: 778-782-5511
Fax: 604-662-4107

DO NOT SEND YOUR PROPOSAL TO THE CONTRACTING AUTHORITY

Enquiries/Time Extension to the RFP Closing Date

All enquiries and other communications related to this RFP throughout the solicitation period and until contract award shall be directed in writing only to the Contracting Authority by email at acalvert@sfu.ca or fax at 604-662-4107.

To ensure the equality of information among bidders, answers to enquiries which are relevant to the quality of proposals will be forwarded simultaneously to every bidder. Such enquiries must be received at least ten (10) working days before the closing date.

A request for a time extension to the bid closing date WILL NOT be considered.

Submission of Proposal

Bids will be accepted in the form of electronic submissions in PDF format to proposals@geosciencebc.com by the time and date indicated on page 1 of this RFP document.

Bids will also be accepted by direct delivery to the following location, by the time and date indicated on page 1 of this RFP document:

Bid Receiving (Attn: Lauren Elliot)
Geoscience BC
Suite 410 – 890 West Pender Street
Vancouver
BC Canada V6C 1J9
Tel: 604-662-4147

Proposals submitted in response to this RFP will not be returned.

Validity of Proposal

Any proposal must remain open for acceptance for a period of not less than ninety (90) days after the closing date of the RFP. After the RFP closing date, no amendments to the proposal will be accepted. However, during the evaluation, the Contracting Authority may require clarification from or conduct interviews with Bidders.

Applicable Laws

The Contract 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 bidder for this requirement.

Incurring of Cost

No costs incurred before receipt of a signed contract or specified written authorisation from the Contracting Authority can be charged to any resulting contract.

SECTION II – PART I: PROPOSAL PREPARATION INSTRUCTIONS

Preparation of Proposal

Bidders shall prepare a proposal addressing all the requirements of this RFP.

The proposal must include a first sheet specifying the Bidder name and address, the name and title of the person authorised to sign on behalf of the Bidder, and their signature. The Bidder's signature indicates acceptance of the terms and conditions set out herein. Ensure that the signatory has authority to commit the organisation to making such a contractual offer.

Ensure that the proposal includes a contact name, address, phone number, and email address.

The proposal must be bound with three (3) copies supplied or transmitted as an electronic file with name S-2007-02_ YOUR-COMPANY-NAME. Include two clearly titled sections:

A – Technical and Management Proposal (with no reference to price)

B – Price Proposal and certifications (Annex “C”)

Your proposal should be concise and should address, but not necessarily be limited to the points listed in Annex “D”, Preparation of Proposals.

Certifications

In order to be considered for contract award, bidders must comply with the stated certification requirements detailed in Annex “C”.

SECTION II – PART II: EVALUATION CRITERIA AND CONTRACTOR SELECTION METHOD**Evaluation Criteria**

The technical proposal will be evaluated in accordance with the Evaluation Criteria and Contractor Selection detailed in Annex “B” attached. It is suggested that you address these criteria in sufficient depth in your proposal. The proposal will be evaluated solely on its content. Geoscience BC reserves the right to request additional data or clarification from the Bidder.

SECTION III: RESULTING CONTRACT CLAUSES

Additional terms and conditions applicable to any resulting contract:

Experience and Education

The Contractor certifies that all statements made with regard to the education and experience of individuals proposed for completing the subject Work are accurate and factual, and the Contractor agrees that Geoscience BC reserves the right to verify any information provided in this regard and that untrue statements may result in the Contract being terminated for default pursuant to the terms and the general conditions forming part of this Contract.

ANNEX “A”: STATEMENT OF WORK

TITLE: PROCESSING OF VIBROSEIS SEISMIC REFLECTION DATA RECORDED IN SOUTHERN NECHAKO BASIN, BRITISH COLUMBIA

1. Introduction

The seismic reflection survey in the Nechako basin region, west of Quesnel and Williams Lake in British Columbia, will be the first seismic work to be carried out in the area since the early 1980s when Canadian Hunter shot approximately 1300 km of seismic data using Vibroseis. Although 5 wells were drilled in the early 1980s as a result of this program, hydrocarbon exploration in the area ceased soon after. There is a strong interest on the part of Geoscience BC in seeing a renewed exploration effort in the Nechako basin. For this reason, a significant budget has been allocated to hydrocarbon-related studies of the Nechako basin. This RFP is part of a first phase of seismic acquisition, which is to be completed in 2007. This Phase I survey is aimed at defining better the regional structure of the basin, and evaluating the effectiveness of modern Vibroseis acquisition in the basin, which is largely covered by volcanics of variable thickness. It is anticipated that a second phase of seismic acquisition will take place in 2008, the precise details of which will depend on the results of the Phase I survey.

The key acquisition problems are likely to be signal penetration through the near-surface volcanic rocks and the imaging of underlying sedimentary strata. Since the results of the Phase I survey will be prominently publicised in an effort to encourage exploration of the Nechako basin, the successful processing contractor stands to gain useful publicity. The contractor will be acknowledged in all reports and scientific results derived from this work.

The acquired seismic data will be maintained confidential for at least one year after completion of the survey. The contractors shall not release any data resulting from this survey without the written permission of Geoscience BC.

2. Objectives/Requirements

The contractor shall provide all of the necessary facilities, equipment, materials, competent and experienced personnel and supervisory and administrative support to process up to 389 km of regional Vibroseis seismic reflection data. Seven regional seismic lines, which will be acquired along crooked logging roads or highways, are anticipated.

The total length of data collected during the survey will depend on the cost per km of data acquisition and the final budget allocation. It is planned that data acquisition will be completed by December 31, 2007.

Field data and associated topographic survey information for each seismic line will be provided by the acquisition contractor to the processing contractor within five (5) working days of the acquisition of that line (five working days from the final day of vibrating on the line). The acquisition contractor is responsible for the safe transit of the tapes from the field to the

processing contractor. Each line of data must be processed to brute stack within seven (7) working days of receipt of the field data by the processing contractor.

Final deliverable items from the processing contractor must be delivered by March 31, 2008.

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.

3.0 Technical Specifications/Details

3.1 Regional Seismic Data

Two different sets of acquisition parameters are being considered for the regional seismic lines. Although it is possible that different acquisition parameters will be used, pricing should be based on the two sets of parameters listed below:

3.1.1 Regional Acquisition Parameters R4 (Six lines with total length 350 km)

- 960 channels
- 20 m group interval
- 10 m CDP bin spacing
- 40 m vibration point interval
- 28 s long, 8-80 Hz upswEEP
- 34 s uncorrelated field records at 2 ms sample interval

3.1.2 Regional Acquisition Parameters R5 (One line, length 39 km)

- 960 channels
- 20 m group interval
- 10 m CDP bin spacing
- 20 m vibration point interval
- 28 s long, 8-80 Hz upswEEP
- 34 s uncorrelated field records at 2 ms sample interval

3.2 Data Processing Specifications

State-of-the-art, high quality processing procedures to optimise data quality in volcanic-covered areas are required. The data will be processed to produce standard format 18 s sections, but the processed data quality should be optimised in the upper 4 s. The processing shall include, but need not be limited to the processing steps outlined below.

Consultation with the Contracting Authority, or their delegate, during the processing will be essential. There will be consultation concerning the choice of all important parameters, including frequency filters (bandpass and F-K), deconvolution operators, normal moveout functions, amplitude scaling, static corrections, order of processing, etc. Extensive testing to select the best

set of parameters may be necessary. Alternative processing specifications (to those given below) to optimise data quality will be considered. Preliminary processing up to brute stack must be completed within seven (7) days of receipt of the data by the contractor.

1) Reformat Field Records

Reformat uncorrelated field records, which will contain 960 primary channels plus auxiliaries with 34 s traces sampled at 2 ms. SEG-Y format DLT tapes of the raw uncorrelated data with all necessary shot and receiver geometry information included in the headers are deliverable items.

2) Correlation

Extended cross-correlation of the field records with the reference sweep, which will be stored in one of the auxiliary channels in each field record on tape. This is to be accomplished by reducing the length of the reference sweep during the correlation process to produce 18 s records. The bandwidth of the correlated data will thus decrease for times greater than 6 s.

3) Brute Stack

Sort and gather the raw data into common depth point (CDP) bins using crooked line geometry.

Brute stack processing will consist of the following processing sequence:

- Geometry assignment (UTM coordinates calculated using NAD83 datum or WGS 84)
- Amplitude recovery
- Mute first breaks and other high amplitude “noise”
- Apply elevation static corrections
- Apply automatic gain control with a 0.5 s window length
- Apply preliminary normal moveout corrections using velocity functions provided by the Contracting Authority
- CDP Stack

Provide displays (two copies of each line) of the initial brute stacks.

4) Final Stack and Migration

Final structure stack processing will include the following processing sequence:

- Pick first breaks
- Surface consistent RMS level noise analysis (29-33 s window for uncorrelated records and 14-17 s window for correlate records)
- Apply refraction statics corrections
- Test and apply deconvolution before stack (surface consistent, trace-by-trace spiking, spectral balancing etc)
- Test 2-D spatial filtering before stack (e.g. F-K), and apply if required
- Crooked line binning
- Velocity analysis using semblance velocity spectra and constant velocity stacks every 1 km along line (Repeated as required)
- Surface consistent residual static corrections
- Cross-dip corrections (linear moveout with cross-line distance)
- CDP stack
- Test deconvolution after stack, and apply if required.

- Test 2-D spatial filtering after stack (e.g. F-K), and apply if required.
- Test and apply coherency filters (e.g. F-X deconvolution)
- Time varying bandpass filtering and scaling

Final post-stack migration processing will include:

- Testing of migration algorithms for dips to 60 degrees

5) Pre-Stack Migration

Separate pricing should be included for pre-stack time migration and prestack depth migration, for which clear details of methodology should be provided.

3.3 Deliverable Items

Unless otherwise specified, digital tapes mentioned in the following will be in a SEG-Y standard format. Only DLT tapes (format 8000) may be used. Only new tapes will be accepted as deliverables. Field tapes are to be shipped from the field to the processing contractor and will reside with the processing contractor until the processing has been completed. The acquisition contractor is responsible for safe transit of the field tapes to the processing contractor. The processing contractor is then responsible for proper storage and curation of the field tapes until the end of the contract.

The following items will be deliverables to Geoscience BC, Suite 410 – 890 West Pender Street, Vancouver, BC Canada V6C 1J9:

Field Data as provided by acquisition contractor

- UNCORRELATED FIELD tapes in appropriate SEG format - one copy (1) of each.
- Topographic survey information in appropriate SEG format - one (1) copy.
- Field notes from the surveyor and observer, including the observer's log, chaining notes and information on monumentation along the lines - one (1) copy.

Processed Data as prepared by processing contractor

The processing contractor is required to supply sufficient information on the applied processing and selected parameters that the standard processing flow can be reproduced.

Seismic Data Files:

- CORRELATED SHOT GATHERS with no further processing in SEG-Y format on tape (18 s record length) with complete geometry (shot location/elevation, receiver location/elevation, common midpoint location, CDP bin centre location/elevation, floating datum, final datum), first break picks, refraction statics, residual statics stored in trace headers. Geometry calculation parameters and header byte locations should be fully documented in SEG-Y file header.
- CDP-BINNED GATHERS on tape with prestack processing in SEG-Y format (18 s record length). Applied processing will include refraction statics, amplitude recovery,

deconvolution, residual statics, and muting. Complete geometry (shot location/elevation, receiver location/elevation, common midpoint location, CDP bin centre location/elevation, floating datum, final datum), first break picks, refraction statics, residual statics should be stored in trace headers. Geometry calculation parameters, applied processing, and header byte locations should be fully documented in SEGY file header.

- STRUCTURE STACK with poststack processing, but no display filters or gain applied in SEGY format on tape and DVD (18s record length). Geometry information (CDP bin location/elevation, floating datum, final datum etc) necessary for import to standard interpretation software should be recorded in the trace headers. Geometry calculation parameters, applied processing, and header byte locations should be fully documented in SEGY file header.
- MIGRATED STACK with no display filters or gain applied in SEGY format on tape and DVD (18s record length). Geometry information (CDP bin location/elevation, floating datum, final datum etc) necessary for import to standard interpretation software s should be recorded in the trace headers. Geometry calculation parameters, applied processing, and header byte locations should be fully documented in SEGY file header.
- STRUCTURE STACK with poststack processing, display filters and gain in SEGY format (18s record length) on tape and DVD. Geometry information (CDP bin location/elevation, floating datum, final datum etc) necessary for import to standard interpretation software s should be recorded in the trace headers. Geometry calculation parameters, applied processing, and header byte locations should be fully documented in SEGY file header.
- MIGRATED STACK with display filters and gain in SEGY format (18s record length) on tape and DVD. Geometry information (CDP bin location/elevation, floating datum, final datum etc) necessary for import to standard interpretation software s should be recorded in the trace headers. Geometry calculation parameters, applied processing, and header byte locations should be fully documented in SEGY file header.
- ASCII FILES on CD/DVD containing all stacking velocity functions (indexed by CDP), mute functions (indexed by Shot Station or CDP as appropriate), and deconvolution windows.

Displays:

Two (2) print copies and one digital TIFF image copy (on CD/DVD) are required

- BRUTE STACK with full side header (processing and acquisition parameters)
- STRUCTURE STACK with full side header (processing and acquisition parameters)
- MIGRATED STACK with full side header (processing and acquisition parameters)
- NOISE ANALYSIS DISPLAYS ON STACKING CHART STYLE FORMAT
- SHOT POINT LOCATION MAPS
- CROOKED LIN BINNING MAPS

Contractor's report:

Report with information on processing strategy, testing and selection of final processing parameters. Two (2) print copies and one digital copy in PDF format. This must include the following:

- the name and location of the reflection survey
- the name and address of the contractor, the phone and fax numbers of the company, the date of the survey
- a list of contents;
- details of individual processing applied
- summary of specific problems encountered during processing and solutions developed

3.4 Schedule

Data acquisition must be completed by December 31, 2007, and data processing will be completed by March 31, 2008.

Seismic field data and associated topographic survey for each line will be provided to the processing contractor within five (5) working days of completion of the line. The acquisition contractor is responsible for safe transit of the tapes from the field to the processing contractor.

Each seismic line will be processed to brute stack within seven (7) days after receipt of the data by the processing contractor, and to final stack within sixty (60) working days following receipt of the data.

ATTACHMENT “T” of ANNEX “A”: DETAILS OF SEISMIC LINE LOCATIONS

Summary of Line Locations

Line lengths have been determined from maps and are approximate. The locations of the beginning-of-line (BOL) and end-of-line (EOL) points will be finalised after the contractor is selected, and initial feedback from local communities and First Nations has been received. It will be the responsibility of the contractor to ensure that the total length of seismic line agreed in the contract is not exceeded.

- 2007-01 (96 km): Nemaiah valley to Red Stone IR: Nemaiah valley road and Taseko Lake Road
- 2007-02 (75 km): Redstone to Bull Canyon along Young Rd, then along Highway 20 to Harper Lake
- 2007-03 (28 km): Alexis Creek to White Pelican Provincial Park: Stum Lake FSR
- 2007-04 (64 km): Bull Canyon Provincial Park toward Canyon Mountain: Alexis Lakes Rd and Aneko River FSR
- 2007-05 (48 km): Nazko to Nazko Lakes Provincial Park: Honolulu Rd/Nazko Falls FSR
- 2007-06 (39 km): Fishpot Lake to Udy Creek Rd: Michelle FSR and Nazko Rd
- 2007-07 (39 km): Willan Lake to Vedan Creek: Chilcotin South (2000) FSR

Approximate total line length is 389 km

Line Coordinates

Coordinates are provided for the BOL and EOL as UTM zone 10 coordinates, which have been converted from WGS84 to NAD27. These UTM coordinates have also been converted to geographic latitude and longitude. The accuracy of these preliminary coordinates is approximately ± 250 m.

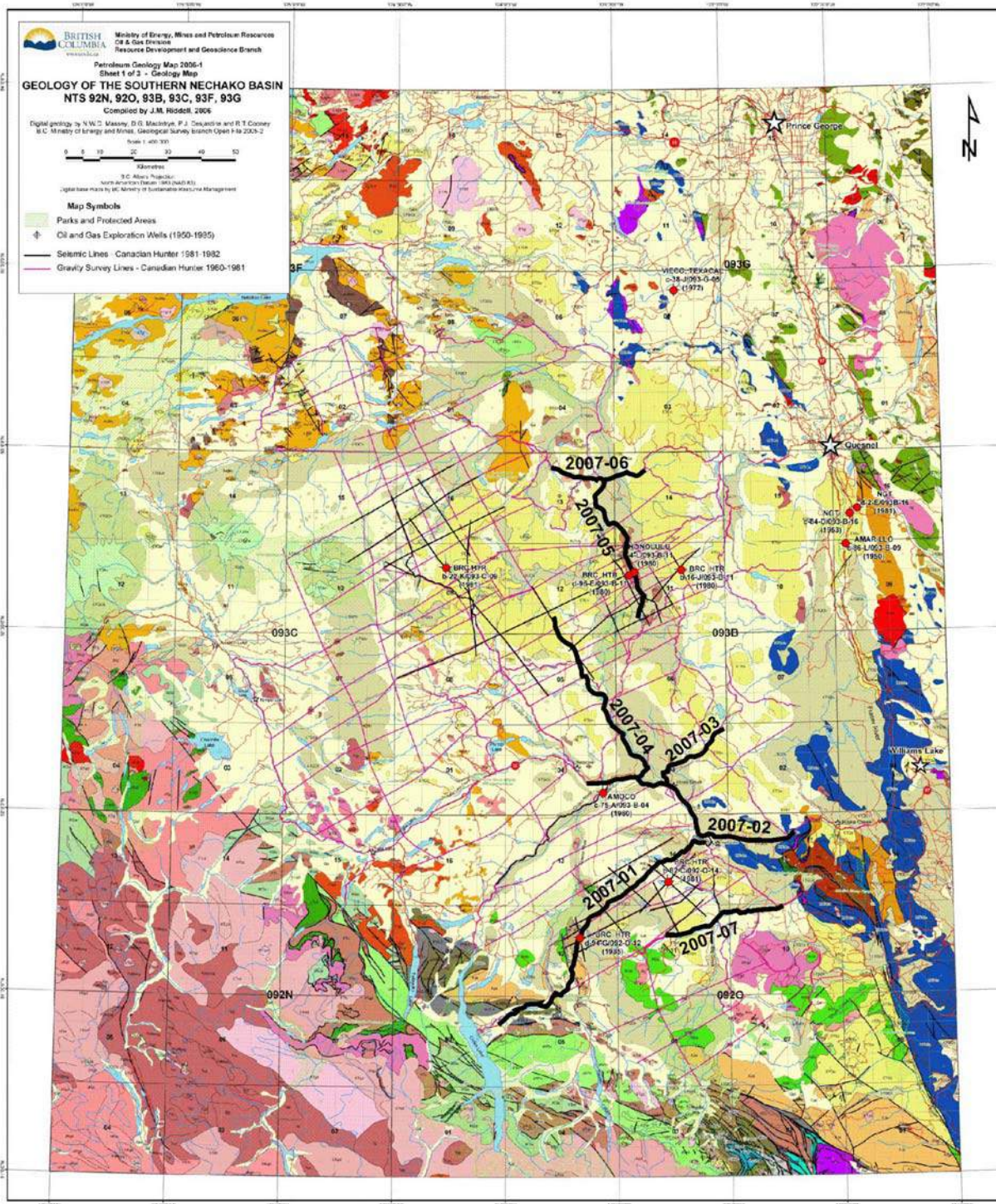


Figure 1: Seismic line locations shown on a map of the geology of the southern Nechako basin

ANNEX “B”: EVALUATION CRITERIA AND CONTRACTOR SELECTION

1) Evaluation Criteria

This section details the methodology that will be employed for evaluation of the bidder’s responses to the stated requirements of this RFP. The bidder’s proposal will be evaluated in accordance with the following:

1.1 Data Processing Proposal

1.1.1 Data Processing

Suitability and quality of the hardware, software and general data processing procedures to be used for this requirement, including subcontract work, if required. Innovative software likely to improve the quality of seismic images beneath volcanic-cover will be given extra weight

1.1.2 Company and Personnel

Competence of the contractor and any sub-contractor, which can be demonstrated by similar or related past work, sufficient back-up manpower and resources, experience and competence of the person in charge of the processing or other key personnel, understanding and recognition of the scope and objectives for the survey, and an understanding required to obtain optimum quality seismic sections with the resources available, management capability and proposed interaction with the other contractors (e.g. the acquisition contractor) and Geoscience BC personnel.

1.2 Acceptance Criteria

Proposals for the processing contract will be evaluated according to items 1.1.1 and 1.1.2. Bidders evaluated as having major deficiencies in any of the above items will not be considered further.

2) Contractor Selection

The potential contractor will likely be selected from those that meet the required technical standards on the basis of lowest overall price to Geoscience BC for items 2.3.1 and 2.3.2 of Annex “D”. Geoscience BC, however, reserves the right to select a potential contractor that offers a higher technical quality irrespective of price.

Prices should be presented separately for each of the specified acquisition parameter sets (defined in sections 3.1 of Annex “A”). The lowest overall price will be calculated using the following items (see section 2.3 of Annex “D”):

- For Item 2.3.1 - processing 350 km of regional data acquired using the parameters detailed in section 3.1.1 (40 m VP interval) of Annex “A”
- For Item 2.3.2 - processing 39 km of regional data acquired using the parameters detailed in section 3.1.1 (20 m VP interval) of Annex “A”
- For Item 2.3.3 - Firm price for deliverable items specified in section 3.3 of Annex “A”

3) Follow-On Work

At the discretion of Geoscience BC, contracts for subsequent phases of work may be considered by Geoscience BC on a directed basis to the same Contractor, subject to the results of this work, the Contractor’s satisfactory work performance, the availability of funding and program priorities. However, there is no implied commitment by Geoscience BC to proceed with any follow-on work.

ANNEX “C”: CERTIFICATIONS

To be considered responsive, proposals must contain the following certifications:

Legal Entity and Corporate Name

Please provide a statement to certify whether the bidder is a sole proprietorship, partnership or corporate entity, indicating the laws under which the partnership or corporate entity was registered or formed, together with the registered corporate name. Also provide a statement identifying the country where the controlling interest/ownership (name if applicable) of your organization is located.

Any resulting contract may be executed under the following corporate legal name and at the following place of business:

Date _____ Signature _____ Print Name _____

for: _____ (Name of Proposing Party)

Availability and Status of Personnel

The Bidder certifies that, should it be authorized to provide services under any contract resulting from this solicitation, the persons proposed in its bid will be available to commence performance of the work within a reasonable time from contract award, or within the time specified herein, and will remain available to perform the work in relation to the fulfillment of this requirement.

If the Bidder has proposed any person in fulfillment of this requirement who is not an employee of the Bidder, the Bidder hereby certifies that it has written permission from such person (or the employer of such person) to propose the services of such person in relation to the work to be performed in fulfillment of this requirement and to submit such person’s resume to the Contracting Authority.

During the bid evaluation, the Bidder must upon the request of the Contracting Authority provide a copy of such written permission, in relation to any or all non-employees proposed. The Bidder agrees that failure to comply with such a request may lead to disqualification of the Bidder’s proposal from further consideration.

Date _____ Signature _____ Print Name _____

for: _____ (Name of Proposing Party)

Education/Experience Certification

We certify that all statements made with regard to the education and the experience of individuals proposed for completing the subject work are accurate and factual, and we are aware that Geoscience BC reserves the right to verify any information provided in this regard and that untrue statements may result in the proposal being declared non-responsive.

Should a verification by Geoscience BC disclose untrue statements, Geoscience BC shall have the right to treat any contract resulting from the Bid as being in default and to terminate it accordingly. Failure to include this representation and warranty with the Bid by executing the signature block immediately following this paragraph shall render the bid non-responsive.

Date _____ Signature _____ Print Name _____

for: _____ (Name of Proposing Party)

ANNEX “D”: PREPARATION OF PROPOSALS

1. General Comments

- The proposal should be concise.
- Do not use filler pages and unnecessary attachments.
- Each proposal will be evaluated solely on its own merit.
- When preparing a proposal, you should do so in conjunction with the stated Evaluation and Selection Criteria (Annex “B”) against which your proposal will be evaluated
- The restatement of the technical requirements with a statement to the effect of “Intent to Perform” does not reveal the Bidder’s understanding of the task nor an ability to carry it out.

2. Technical, Management and Price Proposals

2.1 Submission of Proposal

When responding, your proposal is to be submitted on or before the time stated on the first page of this RFP.

2.2 Technical Proposal

Your attention is drawn to Annex “B”, against which the technical aspects of the acquisition will be evaluated. General requirements, line lengths, technical specifications and deliverable items (including a minimum processing sequence) are described in Annex “A”. The regional data will be acquired using the parameter sets specified in section 3.2 of Annex “A”.

The successful contractor will be invited to become involved in “fine tuning” the processing parameters to obtain an optimal quality section in the upper 4 s. Your technical proposals should be concise and should address, but not necessarily be limited to, the following points:

Describe the data processing capabilities, including any specialised hardware or innovative software likely to improve the quality of the seismic imaging. Include the following details of the proposed processing sequence:

- 2.2.1 A description of the work program which you intend to subcontract, if applicable.
- 2.2.2 State your request or recommendations, if any, for deviations from the requirements; specify the reasons for such deviations.
- 2.2.3 Identify the key personnel who will be assigned to these requirements, showing experience, education and qualifications and their participation in each task.
- 2.2.4 Outline the facilities, background and experience of your organisation, particularly as they refer to these requirements. Include any technical literature or brochures.
- 2.2.5 Identify any proprietary information that you propose to use in the project.

2.3 Price Proposal

The price proposals should consist of the following:

- 2.3.1 Firm Price per shot for processing the regional seismic reflection data acquired with R4 parameters (see section 3.1.1) using steps 1 to 4 inclusive (and any modifications or improvements to this sequence) as described in section 3.2 of Annex “A”.
- 2.3.2 Firm Price per shot for processing the regional seismic reflection data acquired with R5 parameters (see section 3.1.2) using steps 1 to 4 inclusive (and any modifications or improvements to this sequence) as described in section 3.2 of Annex “A”.
- 2.3.3 Firm Price for all deliverable items specified in section 3.3
- 2.3.4 Firm Price per shot for prestack time-migration of regional seismic reflection data acquired with R4 parameters.
- 2.3.5 Firm Price per shot for prestack time-migration of regional seismic reflection data acquired with R5 parameters.
- 2.3.6 Firm Price per shot for prestack depth-migration of regional seismic reflection data acquired with R4 parameters.
- 2.3.7 Firm Price per shot for prestack depth-migration of regional seismic reflection data acquired with R5 parameters.
- 2.3.8 Sales Tax and duties: Various items in your cost proposal maybe subject to various taxes, customs duties, etc., and this charge must be included in the prices **with the exception of Goods and Services Tax (GST).**
- 2.3.9 Goods and Services Tax (GST): The GST is **not** to be included in the price quoted by the Bidder. The total amount of GST is to be shown separately.

2.4 Management Proposals

Comprehensive Management Plans shall be submitted as part of the technical proposal. These Plans should address, but not necessarily be limited to the following points:

- a) Specify how you propose to control the management of the project and identify the project manager who will be responsible for overall control.
- b) Specify how you propose to control management of subcontracts, as applicable.

2.5 Method of Payment

The final payment for processing the seismic data shall be made after all deliverables specified in section 3.5 of Annex “A” have been received and accepted by the Nechako Project Leader.

The progress and final payments for the processing contract will only be made provided that:

- a) the final claim is accompanied by the final processing report;
- b) the final report is accepted by the Contracting Authority, and no deficiencies related to processing are identified in the deliverables;
- c) the final claim is approved by Geoscience BC.

The processing contractor shall certify an original and three (3) copies of each claim and forward the original and two copies to Geoscience BC, and one copy to the Contracting Authority.