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**Retourner Les Soumissions à :**  
 Natural Resources Canada – Ressources naturelles Canada  
 Bid Receiving Unit – Mailroom  
 Unité de réception des soumissions, Salle du courrier  
 588 rue Booth Street  
 Ottawa, Ontario  
 K1A 0E4  
**Attention: Valerie Holmes**

**Request for Standing Offer**  
**Demande d'offre à commandes**

Canada, as represented by the Minister of Natural Resources Canada, hereby requests a Standing Offer on behalf of the client identified herein.

Le Canada, représenté par le ministre des Ressources naturelles Canada, autorise par la présente, une offre à commandes au nom de client identifié ci-après

**Comments – Commentaires**

**If using a courier service to deliver your bid response, please ensure that the Bid Solicitation Number, closing date and time are identified on the front of the courier envelope**

**Issuing Office – Bureau de distribution**

Finance and Procurement Branch  
 Natural Resources Canada  
 580 Booth Street, 5th Floor  
 Ottawa, Ontario  
 K1A 0E4

<b>Title – Sujet</b> <b>Heavy Mineral Concentrations</b>	
<b>Solicitation No. – No de l'invitation</b> <b>NRCan-50000360886</b>	<b>Date</b> April 9, 2018
<b>Client Reference No. - N° de reference du client</b> 5000036088	
<b>Requisition Reference No. - N° de la demande</b> 144444	
<b>Solicitation Closes – L'invitation prend fin</b> <b>at – à 02:00 PM EDT</b> <b>on – le May 18, 2018</b>	
<b>Address Enquiries to: - Adresse toutes questions à:</b>  <b>Valerie Holmes</b> <a href="mailto:Valerie.holmes@canada.ca">Valerie.holmes@canada.ca</a>	<b>Buyer ID – Id de l'acheteur</b>  <b>AB4</b>
<b>Telephone No. – No de telephone</b> (343) 292-8371	<b>Fax No. – No. de Fax</b> (613) 947-5477
<b>Security – Sécurité</b> This Standing Offer does not have a security requirement Cette d'offre à commandes n'est pas une exigence de sécurité	
<i>If marked "X" please see the box to the left</i> <input checked="" type="checkbox"/> <b>Acknowledgement copy required</b> <i>S'il ya un "X" ici, s.v.p. voir la boîte à la gauche</i> <b>Accusé de réception requis</b>	
<b>Destination – of Goods, Services and Construction:</b> <b>Destination – des biens, services et construction:</b>  Natural Resources Canada 580 Booth Street Ottawa, Ontario K1A 0E4	
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>          <b>Telephone No.:- No. de téléphone:</b> _____ <b>Facsimile No.: - No. de télécopieur:</b> _____ <b>Email : - Courriel :</b> _____	
<b>Name and Title of person authorized to sign on behalf of Vendor/Firm (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur</b> (taper ou écrire en caractères d'imprimerie)	
_____ <b>Signature</b>	_____ <b>Date</b>



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## **PART 1 – GENERAL INFORMATION**

### **1. Introduction**

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information:** provides a general description of the requirement;
- Part 2 Offeror Instructions:** provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3 Offer Preparation Instructions:** provides Offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection:** indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5 Certifications:** includes the certifications to be provided;
- Part 6 Security, Financial and Insurance Requirements:** includes specific requirements that must be addressed by Offerors; and
- Part 7 7A, Standing Offer, and 7B, Resulting Contract Clauses:**
  - 7A,** includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
  - 7B,** includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include:

- Annex “A”** - Statement of Work
- Annex “B”** - Basis of Payment
- Annex “C”** – Vendor Performance
- Annex “D”** – Quarterly Reporting Spreadsheet - Sample

### **2. Summary**

By means of this RFSO, Natural Resources Canada (NRCan) is seeking proposals from Bidders, to provide preparation of the heavy mineral fraction from stream and glacial sediments, soil or bedrock samples.

#### **2.1 Comprehensive Land Claims Agreements**

The Request for Standing Offers (RFSO) is to establish National Master Standing Offers for the requirement detailed in the RFSO, to the Identified Users across Canada, excluding locations within Yukon, Northwest Territories, Nunavut, Quebec, and Labrador that are subject to Comprehensive Land Claims Agreements (CLCAs). Any requirement for deliveries to locations within CLCAs areas within Yukon, Northwest Territories, Nunavut, Quebec, or Labrador will have to be treated as a separate procurement, outside of the resulting standing offers.

#### **2.2 Applicable Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA), the Canada-Peru Free Trade Agreement, the Canada-Chile Free Trade



Agreement, the Canada-Colombia Free Trade Agreement, the Canada-Honduras Free Trade Agreement, The Canada-Korea Free Trade Agreement, the Canada-Panama Free Trade Agreement, and the Canada-Ukraine Free Trade Agreement.

### **2.3 Federal Contractor’s Program (FCP)**

The Federal Contractors Program (FCP) for employment equity applies to this procurement; refer to Part 5 – Certifications and Additional Information, Part 7A – Standing Offer, and Part 7B – Resulting Contract Clauses and the annex title Federal Contractors Program for Employment Equity – Certification.

## **3. Security Requirement**

There is no security requirement associated with this requirement.

## **4. Debriefings**

After issuance of a standing offer, Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

## **5. Key Terms**

GEM	Geomapping for Energy and Minerals
GSC	Geological Survey of Canada
NRCan	Natural Resources Canada
TGI	Targeted Geoscience Initiative
IOCG	Iron-Oxide-Copper-Gold
SEM	Scanning Electron Microscope
KIMs	Kimberlite Indicator Minerals
HMC	Heavy Mineral Concentrate
NMHMC	Non-Ferro-Magnetic Heavy Mineral Concentrate
EPD	Electric Pulse Disaggregation



## **PART 2 – OFFEROR INSTRUCTIONS**

### **1. Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting call-ups issued against the Standing Offer, otherwise known as contract(s).

**The 2006 (2017-04-27) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements**, are incorporated by reference into and form part of the RFSO.

**Sub-Section 5.2 - Submission of Offers of 2006 (2017-04-27) Standard Instructions – Request for Standing Offers – Goods or Services – Competitive Requirements**, is amended as follows:

DELETE: PWGSC  
INSERT: NRCan

**Sub-Section 5.4 - Submission of Offers of 2006 (2017-04-27) Standard Instructions – Request for Standing Offers – Goods or Services – Competitive Requirements**, is amended as follows:

DELETE: sixty (60) days  
INSERT: one hundred and twenty (120) days

**Subsection 8.1 – Transmission by Facsimile of 2006 (2017-04-27) Standard Instructions – Request for Standing Offers - Goods or Services – Competitive Requirements**, is amended as follows:

DELETE: (819) 997-9776  
INSERT: (613) 995-2920

### **2. Submission of Offers**

It is the Bidders responsibility to ensure that proposals are delivered to the following location, by the time and date indicated on page 1 of this RFP document:

Natural Resources Canada  
Bid Receiving Unit - Mailroom  
588 Booth Street, Room 108  
Ottawa, Ontario K1A 0Y7  
**Attention: Valerie Holmes**

It is requested that the Bidder’s name, return address, Request for Proposal Number, and Bid Closing Date appear legibly on the outside of the envelope containing the Bidder’s proposal. Failure to do so may result in bids being misdirected. **NRCan will not assume responsibility for proposals directed to any other location.**

The onus is on the Bidder to ensure that the proposal is delivered to the location above. Not complying with the above instructions may result in NRCan’s inability to ascertain reception date and/or to consider the bid prior to contract award. Therefore, NRCan reserves the right to reject any proposal not complying with these instructions.

**NOTE: WHEN SUBMITTING A BID TO THIS REQUIREMENT, BIDDERS MUST ENSURE THAT THE RFSO NUMBER AND CLOSING DATE ARE CLEARLY DETAILED ON ALL ENVELOPES, INCLUDING COURIER ENVELOPES AND/OR BOXES, IN ORDER TO AVOID ANY CONFUSION AT THE BID RECEIPT UNIT WHEN PACKAGES ARE RECEIVED WITHOUT ANY INDICATION AS TO WHAT THEY ARE FOR.**



- 2.1 Due to the nature of the bid solicitation, bids transmitted by facsimile to NRCan will not be accepted.
- 2.1.1 Electronic transmission (email) of proposals may be permitted if requested to the Contracting Authority.

### **3. Enquiries – Request for Standing Offers**

All enquiries must be submitted in writing to the Standing Offer Authority no later than **three (3)** business days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by Offerors to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that Offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all Offerors. Enquiries not submitted in a form that can be distributed to all Offerors may not be answered by Canada.

To comply with the [Code of Conduct for Procurement](#), bidders are obliged to alert the contracting authority to any factual errors that they discover in bid solicitations.

### **4. Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province samples are being prepared.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Offerors.





## PART 3 – OFFER PREPARATION INSTRUCTIONS

### 1. Offer Preparation Instructions

Canada requests that Offerors provide their offer in separately bound sections as follows:

In support of the Policy on Green Procurement, it is requested that bidders provide their bid in separately bound sections as follows:

#### **HARD COPY:**

**Section I:** Technical Bid – 1 copy

**Section II:** Financial Bid - 1 copy, **under separate cover**. Prices related to the current solicitation must appear in the financial bid only and are not to be indicated in any other section of the bid; prices referenced in the financial bid should not to be repeated in any other section of the bid.

**Section III:** Certifications – 1 copy

OR:

#### **ELECTRONIC STORAGE MEDIA (preferred method):**

Since NRCAN is working towards a greener environment by eliminating all hard copy file folders, we prefer to have all bids on a CD/DVD or USB. If you wish to submit in this format, please provide the following:

**Section I:** Technical Bid

**NOTE:** 1 CD/DVD/USB will contain: Original Technical, sole Financial Bid, Certifications and signed first page

**Section II:** Financial Bid

1 copy (included with original Technical Bid, **saved separately** please – not as part of Technical Bid).

**Section III:** Certifications –

1 copy (included with original Technical Bid, **saved separately** – not part of Technical Bid)

**Note:** NRCAN will accept either Hard copy or Electronic Storage Media submitted bids. However, it is NRCAN's preference that you submit via Electronic Storage Media in order to support our Green Initiative.

**Prices must appear in the financial offer only. No prices must be indicated in any other section of the offer.**

Canada requests that Offerors follow the format instructions described below in the preparation of their offer.

- (a) Use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) Use a numbering system that corresponds to that of the Request for Standing Offers.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement \(http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html). To assist Canada in reaching its objectives, Offerors are encouraged to:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and/or containing minimum 30% recycled content; and



- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

### **Section I – Technical Offer**

In their technical offer, Offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

### **Section II – Financial Offer**

Bidders must submit their financial bid in accordance with Annex "B"- Financial Proposal. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

All bids are evaluated in Canadian currency. Therefore, for evaluation purposes, the noon rate quoted by the Bank of Canada as being in effect on date of bid closing will be applied as the initial conversion factor for the specified currency.

Canada will pay the exchange rate adjustment amount in Canadian currency using the prevailing noon rate on the date of payment by Canada.

#### **1.1 Exchange Rate Fluctuation**

SACC C3011T (2013-11-06)

### **Section III – Certifications**

Offerors must submit the certifications required under Part 5.



## PART 4 – EVALUATION PROCEDURES AND BASIS OF SELECTION

### 1. Evaluation Procedures

- a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- b) An evaluation team comprised of representatives of Canada will evaluate the offers.

#### 1.1 Technical Evaluation

##### 1.1.1 Mandatory Technical Criteria

The Bidder must meet the mandatory technical criteria specified below. The Bidder must provide the necessary documentation to support compliance with this requirement. The offer, which fails to meet the mandatory technical criteria, will be declared non-responsive. Each mandatory technical criteria must be addressed separately.

Item	Mandatory Requirement	Compliant (Yes/No)	Reference to Bidder's Proposal
M1	The Bidder's laboratory must have at least ten (10) years of experience processing geological materials to recover heavy minerals.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
M2	The Bidder's laboratory must have a minimum of five (5) years of experience providing data by each of the mandatory analytical packages listed in SW5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
M3	The Bidder must list a minimum of five (5) major projects involving heavy mineral separations within the last five (5) years.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
M4	The Bidder's laboratory must clearly demonstrate that they have: <ul style="list-style-type: none"> <li>a) the ability to provide all of the mandatory packages listed in SW5</li> <li>b) all the necessary equipment to carry out all the analyses at their own facilities.</li> </ul> <b>Subcontracting is not permitted.</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	

##### 1.1.2 Mandatory Test Sample Completion

If the Bidder's laboratory is compliant for each of the above mandatory requirements (M1 – M4), they may be required to process and tabulate results from up to three (3) test samples. NRCan will cover cost of processing and picking the test samples.

Only those proponents who pass the test sample evaluation will continue to the next stage of evaluation.

### 1.2 Point Rated Requirements

Item	Requirement	Points Breakdown	Max Points	Cross reference to proposal (identifying page where information can be found)
R1	The Bidder may be asked to complete heavy mineral separations and indicator mineral counts on up to three (3) test samples provided by NRCan after the submission of their bid. The results reported by the Bidder and the	<b>Test Sample 1:</b>  <b>Mineral Identification:</b> Excellent            5 Very Good            4 Good                    3	<b>45</b>	



Item	Requirement	Points Breakdown	Max Points	Cross reference to proposal (identifying page where information can be found)
	<p>processed sample material of this requirement will be rated by NRCan technical reviewers as follows:</p> <p>NRCan will assess each sample and the report in terms of :</p> <ul style="list-style-type: none"> <li>• Accuracy of mineral identification</li> <li>• Accuracy of mineral grain counts</li> <li>• Clear reporting of processing procedures, processing data, and mineral grains identified</li> </ul> <p>15 points per sample will be awarded</p>	<p>Fair 2 Poor 1</p> <p><b>Mineral Grain Counts:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Clear Reporting of Data:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Test Sample 2:</b></p> <p><b>Mineral Identification:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Mineral Grain Counts:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Clear Reporting of Data:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Test Sample 3:</b></p> <p><b>Mineral Identification:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1</p> <p><b>Mineral Grain Counts:</b></p>		



Item	Requirement	Points Breakdown	Max Points	Cross reference to proposal (identifying page where information can be found)
		Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1  <b>Clear Reporting of Data:</b> Excellent 5 Very Good 4 Good 3 Fair 2 Poor 1		
<b>Total Points Available:</b>			<b>45</b>	
<b>Total Points Needed to be Considered Compliant:</b>			<b>27</b>	

## 2. Basis of Selection

To be considered for a Standing Offer Agreement, the Bidder must:

- Comply with all requirements of this Request for Standing Offer (RFSO) to be declared responsive.
- Meet the specifications listed in Appendix A-1.
- Provide the lowest overall price for any individual analytical project; which will be ranked according to lowest up to the highest overall price for any individual analytical project.

If only one bid is received, it will be recommended for award of a contract as the only Bidder and will receive 100 % of the work. Where two (2) or more responsive proposals submit identical evaluated prices for an analytical project, the proposal that offers more of the optional requirements will be awarded the next ranked position.

NRCan is willing to set-aside one (1) Standing Offer to a compliant Aboriginal firm.



## **PART 5 – CERTIFICATIONS**

### **1. Conditions Precedent to Award of Standing Offer**

Offerors must provide the required certifications and associated information to be issued a standing offer. Canada will declare an offer non-responsive if the required certifications are not completed and submitted as requested.

The certifications provided by Offerors to Canada is subject to verification by Canada at all times. Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a Contractor in default in carrying out any of its obligations under any resulting contracts, if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority may render the Offer non-responsive, may result in the setting aside of the Standing Offer or constitute a default under the Contract.

#### **1.1 Certifications Precedent to Issuance of a Standing Offer**

The certifications listed below should be completed and submitted with the offer, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror of a time frame with which to provide the information. Failure to comply with the request of the Standing Offer Authority and to provide the certifications within the time frame provided will render the offer non-responsive.

##### **1.1.1 Integrity Provisions – Declaration of Convicted Offences**

In accordance with the Integrity Provisions of the Standard Instructions, all offerors must provide with their offer, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

##### **1.1.2 Federal Contractors Program for Employment Equity – Standing Offer Certification**

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [Employment and Social Development Canada-Labour's](#) website.

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

### **2. Additional Certifications Precedent to Issuance of a Standing Offer**

#### **2.1 Status and Availability of Resource**

The Offeror certifies that, should it be issued a standing offer as a result of the Request for Standing Offer, every individual proposed in its offer will be available to perform the Work resulting from a call-up against the Standing Offer as required by Canada's representatives and at the time specified in a call-up or agreed to with Canada's representatives. If for reasons beyond its control, the Offeror is unable to provide the services of an individual named in its offer, the Offeror may propose a substitute with similar qualifications and experience. The Offeror must advise the Standing Offer Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Offeror: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.



If the Offeror has proposed any individual who is not an employee of the Offeror, the Offeror certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Offeror must, upon request from the Standing Offer Authority, provide a written confirmation, signed by the individual, of the permission given to the Offeror and of his/her availability. Failure to comply with the request may result in the offer being declared non-responsive.

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date

**2.2 Education and Experience Certification**

The Offeror certifies that all information provided herein is accurate. Furthermore, the Offeror certifies that the personnel proposed for this requirement are capable of satisfactorily performing the requirement described herein.

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date

**2.3 Former Public Servants**

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, Offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the offer non-responsive

**Definitions**

For the purposes of this clause,

"Former public servant" means a former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police and includes:

- (a) An individual;
- (b) An individual who has incorporated;
- (c) A partnership made up of former public servants; or
- (d) Sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"Lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the Public Service.

"pension" means, in the context of the fee abatement formula, a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c. C-17, the *Defence Services Pension Continuation Act*, 1970, c. D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c. R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c. R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c. M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c. C-8.



**Former Public Servant (FPS) in Receipt of a Pension**

Is the Bidder a FPS in receipt of a pension as defined above? YES ( ) NO ( )

If so, the Bidder must provide the following information:

- (a) Name of former public servant;
- (b) Date of termination of employment or retirement from the Public Service.

**Work Force Reduction Program**

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of a work force reduction program? YES ( ) NO ( )

If so, the Bidder must provide the following information:

- (a) Name of former public servant: \_\_\_\_\_
- (b) Conditions of the lump sum payment incentive: \_\_\_\_\_
- (c) Date of termination of employment: \_\_\_\_\_
- (d) Amount of lump sum payment: \_\_\_\_\_
- (e) Rate of pay on which lump sum payment is based: \_\_\_\_\_
- (f) Period of lump sum payment including:
  - Start date: \_\_\_\_\_
  - End date: \_\_\_\_\_
  - Number of weeks: \_\_\_\_\_
- (g) Number and amount (professional fees) of other contracts subject to the restrictions of a work force reduction program: \_\_\_\_\_
- (h) Other Contracts subject to Work Force Reduction Program Restrictions:

**Contract Number:**

**Contract Amount (Professional Fees):**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For all contracts awarded during the lump sum payment period, the total amount of fee that may be paid to a FPS who received a lump sum payment is \$5,000, including the Goods and Services Tax or Harmonized Sales Tax.

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date

**2.4 Aboriginal Designation**

Who is eligible?

- a. An Aboriginal business, which can be:
  - i. a band as defined by the Indian Act
  - ii. a sole proprietorship
  - iii. a limited company
  - iv. a co-operative
  - v. a partnership
  - vi. a not-for-profit organization





in which Aboriginal persons have at least 51 percent ownership and control,

OR

- b. A joint venture consisting of two or more Aboriginal businesses or an Aboriginal business and a non-Aboriginal business(es), provided that the Aboriginal business(es) has at least 51 percent ownership and control of the joint venture.

When an Aboriginal business has six or more full-time employees at the date of submitting the bid, at least thirty-three percent of them must be Aboriginal persons, and this ratio must be maintained throughout the duration of the contract.

The supplier must certify in its submitted bid that it is an Aboriginal business or a joint venture constituted as described above.

Our Company is NOT an Aboriginal Firm

Our Company is an Aboriginal Firm, as identified above. The bidder must complete the certificate from the appropriate clause below:

SACC Manual clauses [A3000T](#), [A3001T](#), [M3030T](#), [M9030T](#), [S3035T](#) and [S3035T](#) contain a certification that suppliers must complete and submit with their bid/offer/arrangement.

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date

**2.5 Rate or Price Certification**

The Bidder certifies that the price proposed is not in excess of the lowest price charged anyone else, including the Bidder's most favoured customer, for the like quality and quantity of the goods, services or both.

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date

**2.6 Integrity Provisions - Certification**

In accordance with the [Ineligibility and Suspension Policy \(http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

**List of Names:** All applicants, regardless of their status under the policy, must have the following information at the time to participate in a procurement process:

Suppliers that are corporate entities, including those bidding as joint ventures, must provide a complete list of the names of all current directors or, for a privately owned corporation, the names of the owners of the corporation;

Suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, must provide a complete list of the names of all owners;

Suppliers that are a partnership do not need to provide a list of names.

Name of Supplier: \_\_\_\_\_

OR

Name of each member of the joint venture:



Member 1: \_\_\_\_\_

Member 2: \_\_\_\_\_

Member 3: \_\_\_\_\_

Member 4: \_\_\_\_\_

Identification of the directors / owners:

NAME	FIRST NAME	TITLE

\_\_\_\_\_  
Signature of Authorized Company Official

\_\_\_\_\_  
Date



## **PART 6 – SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS**

### **1. Security Requirement**

There is no security requirement associated with this requirement

### **2. Financial Capacity**

*SACC Manual* clause M9033T (2011-05-16) - Financial Capability

### **3. Insurance Requirements**

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under this Request for Standing Offer and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.



## **PART 7 – STANDING OFFER AND RESULTING CONTRACT CLAUSES**

### **A. STANDING OFFER**

#### **1. Offer**

The Offeror offers to fulfill the requirement in accordance with the Statement of Work at Annex "A".

#### **2. Security Requirement**

There is no security requirement associated with this Standing Offer

#### **3. Standard Clauses and Conditions**

All clauses and conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

##### **3.1 General Conditions**

**2005 (2017-06-21) - General Conditions - Standing Offers - Goods or Services**, apply to and form part of the Standing Offer.

**Section 1 of 2005 (2017-06-21) – Interpretation**, should be amended as follows:

DELETE:      Public Works and Government Services Canada

INSERT:      Natural Resources Canada

##### **3.2 Standing Offers Reporting**

The Supplier must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Supplier must provide this data in accordance with the reporting requirements detailed in Annex "E". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Supplier must still provide a "NIL" report.

The data must be submitted on a quarterly basis to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

1st quarter: April 1 to June 30;

2nd quarter: July 1 to September 30;

3rd quarter: October 1 to December 31;

4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than **ten (10)** calendar days after the end of the reporting period.

##### **3.3 Foreign Nationals**

SACC Manual clause [A2000C](#) (2006-06-16) - Foreign Nationals (Canadian Contractor)



## 4. Dispute Resolution

### *Mediation*

If a dispute arising from this contract cannot be settled amicably through negotiation, then the parties agree in good faith to submit the dispute to mediation as administered by the Arbitration and Mediation Institute of Canada Inc. (AMIC). The parties acknowledge receipt of the rules of AMIC. The cost of mediation shall be borne equally by the parties.

### *Arbitration*

If the parties cannot resolve the dispute through mediation within sixty (60) days, the parties agree to submit the dispute to arbitration pursuant to the Commercial Arbitration Act (Canada). The party requesting such arbitration shall do so by written notice to the other party/parties. The cost of the arbitration and fees of the arbitrator shall be borne equally by the parties. The arbitration shall take place in the city where the contractor carries on business before a single arbitrator to be chosen jointly by the parties. If the parties cannot agree on the choice of arbitrator within thirty (30) days of written notice to submit the dispute to arbitration, each party will choose a representative who will select the arbitrator.

The parties may determine the procedure to be followed by the arbitrator in conducting the proceedings, or may ask the arbitrator to do so. The arbitrator shall issue a written award within thirty (30) days of hearing the parties. The award may be entered in any court having jurisdiction and enforced as a judgment of that court.

### *Meaning of "Dispute"*

The parties agree that the word "dispute" in this clause refers to a dispute of fact or of law, other than a dispute of public law.

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request or consent of the parties to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term and condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa.opo@boa.opo.gc.ca](mailto:boa.opo@boa.opo.gc.ca).

## 5. Compliance with Mandatory Certifications

Compliance with the Certifications provided by the successful Bidder (Contractor) is a condition of the Contract and is subject to verification by Canada during the entire period of the Standing Offer. In the event that the Contractor does not comply with any certification or that it is determined that any certification made by the Contractor in its proposal is untrue, whether made knowingly or unknowingly, the Minister shall have the right, pursuant to the default provisions of the Standing Offer, to terminate the Standing Offer and/or any resulting Call-up issued against the Standing Offer for default.

## 6. Method of Payment

Upon completion of any services provided, and the submission of an invoice in a form, and containing required information (as will be detailed in the contract), acceptable to the Project Authority; the Method of Payment is as follows:

- Payment upon completion for charges incurred in accordance with the Basis of Payment.

## 7. Term of Standing Offer

### *7.1 Period of the Standing Offer*

The period for the Standing Offer is for a **twelve (12)** month period from Standing Offer Award with **four (4)** twelve month option periods. The period shall be from date of award of Agreement until **April 31, 2019**.



## **7.2 Option to Extend Standing Offer**

NRCan reserves the right to extend the period of the Standing Offer for up to **four (4)** additional **twelve (12)** month periods, under the same terms and conditions. NRCan may exercise the option, or any extension thereof, at any time by written notice to the Offeror (Contractor) at least 30 calendar days prior to the Standing Offer expiry date.

The Contractor agrees that, during the extended period of the Standing Offer, the rates/prices will be in accordance with the provisions of the Standing Offer.

The option may only be exercised by the Project Authority and any extension to the period will be evidenced through a formal Standing Offer amendment issued by the Contracting Authority.

## **7.3 Standing Offer Holder Performance Evaluation**

NRCan will be evaluating the performance of all Standing Offer Holders during the course of **each** awarded Call-up. The performance will be evaluated against Annex "D" – Vendor Performance Evaluation, upon completion of each call-up. The Vendor Performance Evaluation will be used to ensure the Standing Offer Holders are providing quality services under each call-up.

The purpose of the Vendor Performance Sheet is intended to promote ongoing communications with and acceptable performance from the Standing Offer Holders. The Vendor Performance Evaluation is to be used for **each** completed call-up by a selected SO Holder and the SO Holder will be provided a copy of the assessment of their performance. The SO Holder shall have the opportunity to provide comments on their scored performance. At the end of each call-up, the Vendor Performance Evaluation will be provided to the SO Holder for their response and the final score attributed by NRCan shall be deemed final, at NRCan's full discretion.

Failure to pass the Vendor Performance Evaluation with a score of 80% or higher could result in the SO Holder being penalized for their performance. Such penalties could result in one or more of the following:

- Meet with NRCan, at the Vendor's expense, to review the issues and to determine how to resolve the issue(s);
- Deny inviting the SO Holder on the next two (2) opportunities, after the first two (2) scores obtained below 80%;
- Deny inviting the SO Holder on any future requirements during the full duration of the Standing Offer, including option periods, after the fourth failed score obtaining below 80%.

## **8. Authorities**

### **8.1 Standing Offer Authority**

The Standing Offer Authority will be:

#### **Valerie Holmes**

Procurement Specialist  
Natural Resources Canada  
580 Booth Street, 5<sup>th</sup> Floor  
Ottawa, Ontario  
K1A 0E4  
Tel: 343-292-8371  
Fax: 613-947-5477  
Email: [Valerie.holmes@canada.ca](mailto:Valerie.holmes@canada.ca)

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he/she is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.



## **8.2 Project Authority**

The Project Authority for the Standing Offer is (*identified in the call-up against the Standing Offer*).

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

## **8.3 Offeror's Representative**

Name:

Title:

Company:

Telephone:

Facsimile:

Email:

## **8.4 Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

## **9. Identified Users**

The Identified User authorized to make call-ups against the Standing Offer is: **Natural Resources Canada**

## **10. Call-up Procedures**

When there is only one qualified supplier, the Technical Authority will establish the Scope of Services to be performed under each individual Call-up and will negotiate a price offer based on service and in accordance with the Basis of Pricing.

If there is more than one qualified supplier and have been awarded a Standing Offer, then the Standing Offers will be ranked (based on pricing) and used based on first point of refusal as detailed below:

### **Right of first refusal basis:**

The call-up procedures require that when a requirement is identified, the identified user will contact the highest-ranked offeror to determine if the requirement can be satisfied by that offeror. If the highest-ranked offeror is able to meet the requirement, a call-up is made against its standing offer. If that offeror is unable to meet the requirement, the identified user will contact the next ranked offeror. The identified user will continue and proceed as above until one offeror indicates that it can meet the requirement of the call-up. In other words, call-ups are made based on the "right of first refusal" basis. When the highest-ranked offeror is unable to fulfill the need, the identified user is required to document its file appropriately. The resulting call-ups are considered competitive and the competitive call-up authorities can be used.

However, if NRCan needs to continue with a particular company for continuity of results, NRCan reserves the right to go to this company regardless of whether or not another company offers a lower price.

## **11. Call-up Instrument**

The Work will be authorized or confirmed by the Identified User(s) using a call-up against a Standing Offer (942).



## 12. Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed **\$150,000.00** (Goods and Services Tax or Harmonized Sales Tax included).

## 13. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) The Call up Against the Standing Offer, including any annexes;
- b) The Articles of the Standing Offer;
- c) The General Conditions **2005 (2017-06-21), General Conditions - Standing Offers - Goods or Services**
- d) Annex "A" - Statement of Work;
- e) Annex "B" - Basis of Payment;
- f) Annex "C" – Vendor Performance Evaluation
- g) The Offeror's offer dated \_\_\_\_\_.

## 14. Certifications and Additional Information

### 14.1 Compliance

The continuous compliance with the certifications provided by the Offeror with its offer and the ongoing cooperation in providing associated information are conditions of issuance of the Standing Offer (SO). Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO. If the Offeror does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

### 14.2 Federal Contractors Program for Employment Equity – Setting Aside

The Offeror understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Offeror and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Standing Offer. If the AIEE becomes invalid, the name of the Offeror will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC may result in the setting aside of the Standing Offer.

## 15. Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in province the samples are being processed in.





## **B. RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

### **1. Statement of Work**

The Contractor must perform the Work described in each call-up against the Standing Offer.

### **2. Standard Clauses and Conditions**

#### **2.1 General Conditions**

**2035 (2016-04-04) - General Conditions – Services (Higher Complexity)**, apply to and form part of the Contract.

### **3. Dispute Resolution**

#### *Mediation*

If a dispute arising from this contract cannot be settled amicably through negotiation, then the parties agree in good faith to submit the dispute to mediation as administered by the Arbitration and Mediation Institute of Canada Inc. (AMIC). The parties acknowledge receipt of the rules of AMIC. The cost of mediation shall be borne equally by the parties.

#### *Arbitration*

If the parties cannot resolve the dispute through mediation within sixty (60) days, the parties agree to submit the dispute to arbitration pursuant to the Commercial Arbitration Act (Canada). The party requesting such arbitration shall do so by written notice to the other party/parties. The cost of the arbitration and fees of the arbitrator shall be borne equally by the parties. The arbitration shall take place in the city where the contractor carries on business before a single arbitrator to be chosen jointly by the parties. If the parties cannot agree on the choice of arbitrator within thirty (30) days of written notice to submit the dispute to arbitration, each party will choose a representative who will select the arbitrator.

The parties may determine the procedure to be followed by the arbitrator in conducting the proceedings, or may ask the arbitrator to do so. The arbitrator shall issue a written award within thirty (30) days of hearing the parties. The award may be entered in any court having jurisdiction and enforced as a judgment of that court.

#### *Meaning of "Dispute"*

The parties agree that the word "dispute" in this clause refers to a dispute of fact or of law, other than a dispute of public law.

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request or consent of the parties to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term and condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa.opo@boa.opo.gc.ca](mailto:boa.opo@boa.opo.gc.ca).

#### **3.1 Foreign Nationals**

SACC Manual clause [A2000C](#) (2006-06-16) - Foreign Nationals (Canadian Contractor)

#### **3.2 Compliance with Mandatory Certifications**

Compliance with the Certifications provided by the successful Bidder (Contractor) is a condition of the Contract and is subject to verification by Canada during the entire period of the Standing Offer and any resulting Call-up issued against the Standing Offer. In



the event that the Contractor does not comply with any certification or that it is determined that any certification made by the Contractor in its proposal is untrue, whether made knowingly or unknowingly, the Minister shall have the right, pursuant to the default provisions of the Standing Offer, to terminate the Standing Offer and/or any resulting Call-up issued against the Standing Offer for default.

**3.3 Method of Payment**

Not more frequently than once a month, upon submission of an invoice in a form, and containing required information (as will be detailed in the contract), acceptable to the Project Authority; the Method of Payment is as follows:

- Payment monthly for charges incurred in accordance with the Basis of Payment.

**4. Term of Contract**

**4.1 Period of the Contract**

Delivery must be completed in accordance with the call-up against the Standing Offer.

**5. Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada

**6. Payment**

**6.1 Basis of Payment (Firm Price, Firm Unit Price(s) or Firm Lot Price(s))**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in each call-up. Customs duties are included, travel and living expenses included and Applicable Taxes are extra.

Canada will not pay extra for Travel and Living Expenses. All travel and living expenses are to be built into the firm all-inclusive rates.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

**6.2 SACC Manual Clauses**

A9117C (2007-11-30) – T1204 – Direct Request by Customer Department

**7. Invoicing Instructions**

Invoices shall be submitted using one of the following methods:

<p><u>E-mail:</u></p> <p><a href="mailto:NRCan.invoice_imaging-service_dimagerie_des_factures.RNCan@canada.ca">NRCan.invoice_imaging-service_dimagerie_des_factures.RNCan@canada.ca</a></p> <p><b>Note:</b> Attach "PDF" file. No other formats will be accepted</p>	<p><b>OR</b></p>	<p><u>Fax:</u></p> <p>Local NCR region: <b>613-947-0987</b> Toll-free: <b>1-877-947-0987</b></p> <p><b>Note:</b></p>
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	Use highest quality settings available.
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Please do not submit invoices using more than one method as this will not expedite payment.

Invoices and all documents relating to a contract must be submitted on the Contractor's own form and shall bear the following reference numbers: Call-up number: \_\_\_\_\_

Invoicing Instructions to suppliers: <http://www.nrcan.gc.ca/procurement/3485>

## **8. Insurance**

*SACC Manual* Clause G1005C (2008-05-12) – Insurance

## **9. Contract Administration**

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute. The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa.opo@boa.opo.gc.ca](mailto:boa.opo@boa.opo.gc.ca).



## **ANNEX “A” – STATEMENT OF WORK**

### **SW1 Title**

#### **Heavy Mineral Separations/Concentrations**

### **SW2 Background**

Stream sediments, glacial sediments, soil and bedrock samples are being collected on an annual basis by the Geological Survey of Canada (GSC) over Canada’s landmass. Samples collected as part of GSC surveys are processed to recover heavy minerals as this method has been proven successful for evaluating the mineral potential of a given area, developing new mineral exploration methods, and establishing environmental baselines. A number of existing and new projects being carried out by the GSC will require heavy mineral analyses to achieve these objectives.

This work is in compliance with the themes and objectives of a number of NRCan’s programs including and not limited to the Targeted Geoscience Initiative (TGI), Geomapping for Energy and Minerals (GEM), and Environmental Geoscience programs.

### **SW3 Objective**

There is a requirement, on a regular basis, for the preparation of the heavy mineral fraction from stream and glacial sediments, soil or bedrock samples. This preparation includes the separation and picking of minerals indicative of various mineral deposit types from stream sediment, and bulk glacial sediment, soil and bedrock samples. This processing also involves a gold grain count, a mineral assemblage determination, checking visual mineral identification using scanning electron microscope (SEM), and the picking of base metal deposit indicator mineral species, porphyry-Cu indicator minerals, kimberlite indicator minerals (KIMs), and minerals indicative of iron-oxide-copper-gold (IOCG) mineralization or other types of mineralization.

### **SW4 Scope of Services**

Samples will be collected during the field season, which usually extends for any length of time between the months of May and September. Samples will be shipped to the preparation facilities at irregular intervals depending on field logistics and transportation.

The GSC is estimating that the number of samples submitted for heavy mineral analyses will be approximately 400 to 500 in 2018-19 and 400 to 600 in 2019-20 pending project approval and objectives. Samples will have to be processed using one or more of the requirements listed below, depending on the project objectives.

### **SW5 Mandatory Requirement**

#### **SW5.1 Primary Sample Preparation**

Conduct primary sample preparation using wet sieving of up to 10 kg bulk sample at 2.0 mm, heavy mineral preconcentration of the <2.0 mm fraction using one pass across a shaking table, and dry sieving of table concentrate at 0.25 mm. The following fractions for each sample must be retained: >2.0 mm fraction in labeled plastic bag and the <0.25 mm preconcentrate in labeled plastic bag.

Cost per sample

#### **SW5.2 Heavy Liquid Separation**

Separate the 0.25-2.0 mm table preconcentrate into density fractions using heavy liquids at a specific gravity of 2.8, 3.0, and/or 3.2:

- 5.2 a)** Heavy Liquid separation at specific gravity 3.2. Retain >3.2 and <3.2 specific gravity fractions in separate, labeled plastic bags.



Cost per sample

**5.2 b)** Mid-density liquid separation at specific gravity 3.0. Retain >3.0 and <3.0 specific gravity fractions in separate, labeled plastic bags.

Cost per sample

**5.2 c)** Mid-density liquid separation at specific gravity 2.8. Retain >2.8 and <2.8 specific gravity fractions in separate, labeled plastic bags.

Cost per sample

### **SW5.3 Gold and Platinum Grain Counts**

Determine the abundance, and describe individual grain dimensions, of all gold grains in the table preconcentrate. Determine the abundance of all platinum group minerals contained in the table preconcentrate. Describe gold grains using the classification scheme (pristine, modified, and reshaped) of DiLabio (see DiLabio 1990 reference provided at end of document) and calculate the total estimated gold value in ppb for each sample. Return all gold and platinum group mineral grains to the table preconcentrate immediately following their recovery and analysis, unless otherwise specified by the Technical Authority.

**5.3 a)** < 30 gold grains. Cost per sample

**5.3 b)**  $\geq 30$  grains gold grains. Cost per sample

**5.3 c)** <30 platinum group mineral grains. Cost per sample

**5.3 d)**  $\geq 30$  platinum group mineral grains. Cost per sample

### **SW5.4 Ferromagnetic and Paramagnetic Separations and Sieving**

Following heavy liquid separation, use an automagnet to remove ferromagnetic minerals from the heavy mineral concentrate produced in section 4.2. Retain ferromagnetic fraction in a labeled plastic vial. Dry sieve the non-ferromagnetic fraction at 1.0 mm, 0.5 mm, and 0.25 mm and retain all sieving fractions in labeled plastic vials. Conduct paramagnetic separations on the 0.5 to 0.25 mm non-ferromagnetic fraction using a paramagnetic separator at setting of 0.6, 0.8, and 1.0 amp.

**5.4 a)** Isolate in plastic labeled vials and report the masses of the following fractions of the heavy mineral concentrate: 2.0 to 1.0 mm non-ferromagnetic fraction; 1.0 to 0.5 mm non-ferromagnetic fraction; 0.5 to 0.25 mm paramagnetic fraction (<0.6 amp); 0.5 to 0.25 mm paramagnetic fraction (0.6-0.8 amp); 0.5 to 0.25 mm paramagnetic fraction (0.8-1.0 amp); 0.5 to 0.25 mm paramagnetic fraction (>1.0 amp). Report the mass of each fraction produced.

Cost per sample

**5.4 b)** Perform heavy liquid separation at specific gravity of 3.2 to clean up the >1.0 amp paramagnetic fraction. Isolate in plastic labeled vials and report the masses of the >3.2 and <3.2 separations of this >1.0 amp fraction.

Cost per sample

### **SW5.5 Oxalic Acid Bath**

Wash the 0.5-0.25 mm non-ferromagnetic heavy mineral fraction with oxalic acid to remove oxidation stains (tarnish) from the grains and restore their natural colour.

Cost per sample

### **SW5.6 Identification of Indicator Minerals**

Identify indicator minerals listed below in sections 5.6 a,b, or c and determine the number of grains of each indicator mineral



present (identification and counting are referred to in this document as 'picking') in of each of the 6 size and paramagnetic fractions listed in section 5.4a. Use the scanning electron microscope (SEM) to check up to 30 ambiguous, unusual, or difficult grains per sample to confirm their identification. Set aside 30 representative grains of each indicator mineral species in plastic vials labeled with full sample number, grain size fraction, amp fraction, and mineral species name. Set aside all grains if there are <30 grains in the sample. Prepare a digital spreadsheet in Microsoft Excel™ format to record each indicator mineral species and include: the number of grains that have been counted, miscellaneous comments about each mineral, and the number of grains set aside in plastic vials.

**5.6 a) Indicator Mineral Counts for Base Metal Deposits including Magmatic Ni-Cu-PGE, VMS, MVT, Sedex deposits**

Determine the major background mineral assemblage, pick the indicator minerals of base metal deposits, including magmatic Ni-Cu-PGE, VMS, MVT, and Sedex, and their metamorphosed equivalents and associated alteration zones, and perform all required SEM checks (up to 30 grains/sample) to identify questionable or unknown minerals.

Cost per sample

**5.6 b) Kimberlite Indicator Mineral Counts (KIM)**

Determine the major background mineral assemblage, pick Kimberlite Indicator Minerals (KIM) (including Cr-pyropite, eclogitic garnet, Mg-ilmenite, Cr-diopside, chromite, forsteritic olivine, diamond), and perform all required SEM checks (up to 30 grains/sample) to identify questionable or unknown minerals.

Cost per sample

**5.6 c) Porphyry Copper Indicator Mineral Counts**

Determine the major background mineral assemblage, pick porphyry copper indicator minerals and perform all required SEM checks (up to 30 grains/sample) to identify questionable or unknown minerals.

Cost per sample

**SW6 Optional Requirements**

**SW6.1 Electric Pulse Disaggregation (EPD)**

This comminution technique liberates mineral grains from rocks. Place the rock under water in a special chamber. Pass high voltage pulses through the sample chamber to disaggregate the rock. Use the mass and lithology of the bedrock sample as a guide to determine the amount of time required to process the sample.

**6.1 a)** Routine sample (up to 1 kg). Cost per sample

**6.1 b)** Large sample (>1 kg). Cost per hour

**6.1 c)** Special sample. Cost per hour

**SW6.2 Preparation of Mineral Separates from Rock Samples (Geochronology and Isotope Sample Preparation)**

Liberate mineral grains by electric pulse disaggregation. Concentrate the heavy minerals using shaking table, panning, and heavy liquid and/or magnetic separation techniques. Isolate/pick specific mineral grain species as requested by the Technical Authority (e.g., zircon). Confirm mineral identification by SEM/EDS. Pack sample fractions in labeled plastic vials for shipping to the Geological Survey of Canada.

**6.2 a)** Separation of zircon grains from up to 1 kg rock sample after electric pulse disaggregation and heavy mineral separation as indicated above. Concentrate the zircon grains and isolate/pick 20 to 50 grains.

Cost per sample

**6.2 b)** Separate zircon grains from provided pulverized rock sample. Concentrate the zircon grains and isolate/pick 20 to 50 grains.

Cost per sample



- 6.2 c)** Prepare a heavy mineral separate from up to 1 kg rock sample after electric pulse disaggregation, and variable density heavy liquid separation and refining of mineral separate.

Cost per sample

- 6.2 d)** Prepare a heavy mineral separate from provided pulverized rock sample using variable density heavy liquid separation and refining of mineral separate.

Cost per sample

**SW6.3 High Resolution Digital Photograph in JPEG or TIFF format including Scale Bar**

- 6.3 a)** Gold grain photography. Cost per sample

- 6.3 b)** Mineral grain photography. Cost per species

- 6.3 c)** Rock sample photography (grab sample or drill core). Cost per sample

- 6.3 d)** Lay out pebbles into separate lithological categories provided by Technical Authority or completed under section 5.6c. Photograph the pebbles. Cost per photo

**SW6.4 Grain Mount**

- 6.4 a)** Mounting of grains in circular, 25 mm diameter epoxy grain mounts, unpolished. Cost per grain

- 6.4 b)** Epoxy mount polishing. Cost per mount

**SW6.5 Sample Refining**

- 6.5 a)** Refine the <0.25 mm table preconcentrate using heavy liquid separation and ferromagnetic separation for future mineralogical and/or geochemical analysis. Retain all fractions generated in labeled plastic vials.

Cost per sample

- 6.5 b)** Conduct heavy mineral separation using heavy liquid specific gravity (SG) 3.3 or diluted to SG 3.2 of up to 200 grams of till samples, pre-sieved at 0.250-0.063 mm. Retain heavy and light mineral fractions in labeled plastic bags.

Cost per sample

**SW6.6 Pebble Cleaning and Classification**

- 6.6 a)** Oxalic acid bath of the >2.0 mm clast fraction (oxidized samples only).

Cost per sample

- 6.6 b)** Wet screen pebbles at 5.0 mm or other requested screen size, and retain all fractions in new, labeled plastic bags.

Cost per sample

- 6.6 c)** Classify 5.0-2.0 or >5.0 mm clast fraction into maximum of 15 different lithological categories and report the number of pebbles in each lithological category. Place pebbles into separate labeled bags for each lithology.

Cost per sample

**SW6.7 Other Indicator Mineral Identifications**

Identify other specific indicator minerals (as requested by the Technical Authority) and report the number of grains present (identification and counting are referred to in this document as 'picking') in of each of the 6 size and paramagnetic fractions listed in section 5.4a. Use the scanning electron microscope (SEM) to check up to 30 ambiguous, unusual, or difficult grains per sample to confirm their identification. Set aside 30 representative grains of each indicator mineral species in plastic vials labeled with full sample number, grain size fraction, amp fraction, and mineral species name. Set aside <30 grains if there are <30 grains in the



sample. Prepare a digital spreadsheet in Microsoft Excel™ format that reports for each indicator mineral species: the number of grains that have been counted, miscellaneous comments about each mineral, and the number of grains set aside in plastic vials.  
Cost per sample

**SW6.8 Heavy Mineral Counts under Short and/or Long Wave Ultraviolet Light**

Determine the number of grains of specific fluorescent minerals as requested by the Technical Authority (e.g., scheelite)  
Cost per sample

**SW6.9 Disaggregation of Clay Rich Sample**

Necessary procedure prior to heavy mineral separation of clay rich samples. Prior to primary sample preparation, soak the sample in a dilute solution of a suitable deflocculant (i.e., Calgon or sodium metaphosphate). Mix sample in an industrial mixer until sample is disaggregated and matrix material is not adhering to clasts. Monitor potential metal contamination (e.g. metal shavings or particulates) from the mixer and report if present in the sample. Report to Technical Authority if this disaggregation procedure is used on a sample.  
Cost per sample

**SW6.10 Heavy Liquid Separations of Oversized Samples**

Perform a second heavy liquid separation on a table preconcentrate that yields an excess of 100 g of heavy minerals.  
Cost per separation

**SW6.11 Paramagnetic Separations of Oversized Samples**

Perform additional paramagnetic separations on the 0.5 to 0.25 mm non-ferromagnetic heavy mineral concentrate in excess of 60 g.  
Cost per separation

**SW6.12 Picking and Mineral Identification of Oversized Concentrates**

- 6.12 a)** Perform picking and mineral identification for the 2.0 to 1.0 mm non-ferromagnetic heavy mineral fraction in excess of 10 g. Cost per gram >10 g
- 6.12 b)** Perform picking and mineral identification for the 1.0 to 0.5 mm non-ferromagnetic heavy mineral fraction in excess of 20 g. Cost per gram >20 g
- 6.12 c)** Perform picking and mineral identification for the 0.5 to 0.25 mm non-ferromagnetic heavy mineral fraction in excess of 30 g. Cost per gram >30 g

**SW6.13 Bedrock Hand Specimen Description**

Examine and write a paragraph that describes the lithology and mineralogy of a drill core or bedrock hand sample.  
Cost per sample

**SW6.14 Scanning Electron Microscope (SEM) and Mineral Grain Identification**

Examine grain using a Scanning Electron Microscope (SEM) and identify its mineral species.

- 6.14 a)** Report mineral name. Cost per grain
- 6.14 b)** Provide EDS spectrum of mineral grain. Cost per grain
- 6.14 c)** Provide backscattered electron image of grain. Cost per grain





### **SW6.15 Processing of Oversized Samples**

Conduct primary sample preparation using wet sieving of bulk sample material in excess of 10 kg at 2.0 mm; heavy mineral preconcentration of the <2.0 mm fraction using one pass across a shaking table.  
Cost per kg in excess of 10 kg

### **SW6.16 Ad Hoc Report Writing, per Hour**

**6.16 a)** Senior Scientist

**6.16 b)** Junior Scientist

### **SW6.17 100 Grain Mineral Counts**

Identify all mineral species and determine their number of grains in a random 100-grain aliquot of a 0.5-0.25 mm heavy mineral concentrate.  
Cost per sample

### **Reference**

Dilabio, R.N.W. 1990. Classification and interpretation of the shapes and surface textures of gold grains from till on the Canadian Shield; *in* Current Research, Part C, Geological Survey of Canada, Paper 90-1C, p. 323-329. <https://doi.org/10.4095/131269>  
[https://geoscan.nrcan.gc.ca/starweb/geoscan/servlet.starweb?path=geoscan/geoscan\\_e.web](https://geoscan.nrcan.gc.ca/starweb/geoscan/servlet.starweb?path=geoscan/geoscan_e.web)

## **SW7 Constraints**

The work area used by the Contractor shall be such that the samples being prepared will not be contaminated either by the equipment or by other samples. Work areas shall be free of flaking paint, loose plaster, or accumulated dust or dirt. The drying area and sieving areas shall also be free of contamination. Ore or highly mineralized samples shall not be prepared in the same work area or with the same equipment used for the preparation of GSC samples.

## **SW8 Deliverables**

The contract deliverable consists of final analytical report for samples submitted for analysis, provided in English or French (as requested by the Technical Authority), in digital format with the option of receiving the hard copy paper version upon request. Data in digital files will be in Microsoft Excel™ spreadsheet format unless both the Contractor and the Technical Authority have agreed upon an alternate format. Data to be reported for each sample include the mass of all splits and fractions generated. The abundance data for each mineral species is to be reported in a single column. Report must include a schematic flowchart indicating the details and order of procedures that were used on every single sample batch, and any changes to the procedures that might affect heavy mineral separation and identification.

## **SW9 Sample Shipping**

The Geological Survey of Canada will be responsible for shipping all samples for analysis to the Contractor. The Geological Survey of Canada will provide the samples in plastic bags or other containers/pails, as appropriate. A manifest list of samples will be sent both as hard copy and by email in a Microsoft Excel™ format to the contractor. The Geological Survey of Canada will also provide the contractor with a list indicating the order in which the samples must be processed.

The Geological Survey of Canada will be responsible for return shipping costs.

Return of the samples from the Contractor's storage facility may be required at any time. Under no circumstances is excess sample material to be discarded without the permission of the Geological Survey of Canada.



## ANNEX “B” – BASIS OF PAYMENT

### 1. General Information

#### 1.1 Taxes as Related to Bids Received

For Canadian-based Offerors, prices/rates, as applicable, **MUST** be firm (in Canadian funds) with Canadian customs duties and excise taxes as applicable **included**, and Goods and Services Tax (GST) or Harmonized Sales Tax (HST) as applicable, **excluded**;

For foreign-based Offerors, prices/rates, as applicable, **MUST** be firm (in Canadian funds) and **exclude** Canadian customs duties, excise taxes and GST or HST, as applicable. Canadian customs duties and excise taxes payable by the consignee will be added, for evaluation purposes only, to the prices submitted by foreign-based Offerors;

### 2. Offeror Financial Offer – Pricing Details to be Completed by the Offeror

The Offeror hereby offers to Natural Resources Canada, as requested by the Minister, to furnish all necessary expertise, supervision, materials, equipment and other things necessary to perform the work as described in the Statement of Work of the Request for Standing Offer and in accordance with the terms and conditions of the Request for Standing Offer, to the satisfaction of the Minister, or his authorized representative, for the following price(s):

The Offeror is required to provide firm, **all-inclusive rates**, in CANADIAN FUNDS, GST/HST extra, Travel and Living Expenses included. Bidders will not be reimbursed for any Travel and Living Expenses. The format for submitting rates should conform to the following grid.

#### 2.1 Firm Rates

Firm all inclusive rates (GST/HST extra) for all items listed below

Item	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Average	Frequency	Total
<b>Mandatory</b>									
5.1	Primary sample preparation, per sample						NRCan to input	381	NRCan to input
5.2a	Heavy liquid separation at specific gravity 3.2, per sample						NRCan to input	381	NRCan to input
5.2b	Mid-density liquid separation at specific gravity 3.0, per sample						NRCan to input	381	NRCan to input
5.2c	Mid-density liquid separation at specific gravity 2.8, per sample						NRCan to input	381	NRCan to input
5.3a	Gold grain counts, <30 grains per sample						NRCan to input	381	NRCan to input
5.3b	Gold grain counts, ≥30 grains per sample						NRCan to input	381	NRCan to input
5.3c	Platinum group mineral grain counts, <30 grains per sample						NRCan to input	381	NRCan to input
5.3d	Platinum group mineral grain counts, ≥30 grains per sample						NRCan to input	381	NRCan to input
5.4a	Ferromagnetic and paramagnetic separation, per sample						NRCan to input	381	NRCan to input
5.4b	Clean up of the >1.0 amp non-paramagnetic fraction, per sample						NRCan to input	381	NRCan to input
5.5	Oxalic acid bath, per sample						NRCan to input	381	NRCan to input
5.6a	Picking of base metal indicator minerals, per sample						NRCan to input	381	NRCan to input



Item	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Average	Frequency	Total
5.6b	Picking of kimberlite indicator minerals, per sample						NRCan to input	381	NRCan to input
5.6c	Picking of porphyry Cu indicator minerals, per sample						NRCan to input	381	NRCan to input
<b>Optional</b>									
6.1a	Electric pulse disaggregation of rock sample, <1 kg, per sample						NRCan to input	108	NRCan to input
6.1b	Electric pulse disaggregation of rock sample, >1 kg, per hour						NRCan to input	89	NRCan to input
6.1c	Electric pulse disaggregation of rock sample, special sample, per hour						NRCan to input	89	NRCan to input
6.2a	Zircon separation from rock sample, per sample.						NRCan to input	89	NRCan to input
6.2b	Zircon separation from provided pulverized rock sample, per sample.						NRCan to input	89	NRCan to input
6.2c	Preparation of mineral separate from rock sample, per sample.						NRCan to input	89	NRCan to input
6.2d	Preparation of mineral separate from provided pulverized rock sample, per sample.						NRCan to input	89	NRCan to input
6.3a	Gold grain photography, per sample						NRCan to input	89	NRCan to input
6.3b	Mineral grain photography, per species						NRCan to input	89	NRCan to input
6.3c	Rock sample photography (grab sample or drill core), per sample						NRCan to input	89	NRCan to input
6.3d	Pebble sample photography, per photo						NRCan to input	158	NRCan to input
6.4a	Mounting of grains in 25 mm diameter epoxy grain mounts, unpolished, per grain						NRCan to input	89	NRCan to input
6.4b	Epoxy mount polishing, per mount						NRCan to input	89	NRCan to input
6.5a	Refining of the <0.25 mm table concentrate, per sample						NRCan to input	89	NRCan to input
6.5b	Heavy liquid separation of up to 200 g till pre-sieved at 0.250-0.063 mm, per sample						NRCan to input	89	NRCan to input
6.6a	Oxalic acid bath on >2.0 mm clasts, per sample						NRCan to input	89	NRCan to input
6.6b	Wet screen pebbles at 5.0 mm or other requested screen size, per sample						NRCan to input	148	NRCan to input
6.6c	Classification of 5.0-2.0 or >5.0 mm pebble fraction, per sample						NRCan to input	148	NRCan to input
6.7	Other indicator mineral identifications, per sample						NRCan to input	89	NRCan to input
6.8	Heavy mineral counts under short and/or long wave UV light, per sample						NRCan to input	89	NRCan to input
6.9	Disaggregation of clay rich sample, per sample						NRCan to input	89	NRCan to input
6.10	Second heavy liquid separation when yield > 100 g, per separation						NRCan to input	89	NRCan to input
6.11	Additional paramagnetic separation, per separation						NRCan to input	89	NRCan to input
6.12a	Indicator mineral picking of oversized (>10 g) heavy mineral concentrate 2.0-1.0 mm, per gram						NRCan to input	89	NRCan to input
6.12b	Indicator mineral picking of oversized (>20 g) heavy mineral concentrate 1.0-0.5 mm, per gram						NRCan to input	89	NRCan to input
6.12c	Indicator mineral picking of oversized (>30 g) heavy mineral concentrate 0.5-0.25 mm, per gram						NRCan to input	89	NRCan to input
6.13	Bedrock hand specimen description, per sample						NRCan to input	89	NRCan to input
6.14a	Scanning electron microscope identification of mineral name, per grain						NRCan to input	89	NRCan to input
6.14b	EDS spectrum of mineral grain, per grain						NRCan to input	89	NRCan to input
6.14c	Backscattered electron image of mineral grain, per grain						NRCan to input	89	NRCan to input



Item	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Average	Frequency	Total
6.15	Primary sample preparation for samples that weigh in excess of 10 kg, per kg in excess of 10 kg						NRCan to input	89	NRCan to input
6.16a	Ad Hoc report writing, Senior Scientist, per hour						NRCan to input	89	NRCan to input
6.16b	Ad Hoc report writing, Junior Scientist, per hour						NRCan to input	89	NRCan to input
6.17	100 grain mineral identification, per sample						NRCan to input	89	NRCan to input

Total to be used for evaluation purposes only: NRCan to input



## ANNEX "C" – VENDOR PERFORMANCE

Call-up Number: \_\_\_\_\_

Details of Requirement: \_\_\_\_\_

Date: \_\_\_\_\_

	Strongly Disagree (40%)	Disagree (60%)	Agree (80%)	Strongly Agree (100%)
The SO Holder delivered to our satisfaction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The SO Holder delivered on schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The SO Holder provided samples as requested	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Any other comments?

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## ANNEX "E" – QUARTERLY REPORTING SPREADSHEET – SAMPLE

Note to Bidders: NRCan reserves the right to adjust this reporting spreadsheet in order to adhere to the obligatory reporting requirements yet to be put in place under the NLCA.

# Heavy Mineral Concentrations

This Report is to be provided to the Standing Offer Contracting Authority: **Valerie Holmes**

Tel: **343-292-8371**

Email: **valerie.holmes@canada.ca**

Please select your name from the drop down list provided below.

PBN:

Details of Primary Contact regarding this Report

Name:   
 Title:

Tel:   
 Email:

If applicable, alternate contract regarding this report

Name:   
 Title:

Tel:   
 Email:

REPORTING PERIOD:

TOTAL UTILIZATION VAULE FOR THE PERIOD:

\$

SA NUMBER:

	Contract or Amendment	Contract Number	Amendment Number	Contract/ Amendment Issuance Date (DD-MM-YYYY)	Contract Start Date (DD-MM-YYYY)	Contract End Date (DD-MM-YYYY)	Delivery Location	Project Authority	Total Contract / Amendment Value	Comments
1										
2										
3										
4										
5										
6										
7										