

Request for Quote: Geographic Information System (GIS) Services

Deadline: January 17, 2025

Inuvialuit Regional Corporation (IRC) is seeking a contractor to review the alignment between Canada Lands Survey plans for Inuvialuit Private Lands and the metes and bounds in Annexes D-1, F-1, F-2, G-1, G-2, H-1, H-5, I-1, I-5, J-1, J-5, K-1, K-5 of the Inuvialuit Final Agreement (subject to corrections and notes about the text contained in Appendix 1 of this RFQ).

The successful proponent must provide:

- a report analyzing any differences between the survey plans and the IFA text
- a georeferenced image for each page of the IFA survey atlases
- a shapefile that reflects the current extent of Inuvialuit Private Lands (including subsurface rights), by adjusting the metes and boundaries according to Appendix 1 and 2 of this RFQ.
- a list of all reference documents used, such as NTS mapsheets and air photos

Background

With the signing of the 1984 Inuvialuit Final Agreement (IFA), Inuvialuit, as represented by IRC were granted fee simple title to over 90,000 square kilometres of lands in the Western Arctic region of the Northwest Territories (“Inuvialuit Lands”). The lands are divided into two categories: 7(1)(a) lands and 7(1)(b), with different subsurface ownership rights. These lands were surveyed by Canada Lands Company surveyors over the 80s and 90s and registered with the NWT Land Titles Office, but IRC has not verified the survey plans to ensure they conform with the metes and bounds. Additionally, there have been changes to the boundaries of Inuvialuit Private Lands for various reasons in the intervening years, including the addition of new subsurface rights and easements.

Proposal Format

Submission

- Must be submitted electronically to the contact below no later than the deadline on the cover of this RFQ or modified through an addendum.
- Include all required documentation, drawings, specifications and cost estimates as outlined in the RFQ.

Timeline

- Proposals must include a schedule highlighting key milestones.
- The project must be complete by March 14, 2025. The ability to commit to a tighter timeline will be considered an asset in evaluation.
- Use the submission form (Appendix 3)..

Experience

- Proposals must highlight the experience of the project team required to complete the project
- Project team must have demonstrated experience working on similar projects. Include details of relevant projects completed.

Cost breakdown

- Submit a cost proposal for the completion of the project, not including GST, using the submission form (Appendix 3).

Evaluation

- Proposals will be evaluated based on experience, cost, completion timeline and evidence of ability to complete the project.
- The selection committee reserves the right to reject any proposal and to negotiate terms with selected bidders.
Preference will be given to Inuvialuit-owned businesses and/or proponents and proponents who can clearly demonstrate and agree that employment opportunities will be extended to beneficiaries of the Inuvialuit Final Agreement (“IFA”).

- **Questions and Clarifications**
All questions and requests for clarifications regarding the RFQ must be submitted in writing to the contact listed below by January 10, 2024. Responses to inquiries will be provided in writing to all bidders.

Terms

- The successful bidder will be required to enter a formal contract with Inuvialuit Regional Corporation outlining the terms and conditions of the project
- Contract negotiations will commence following the selection of the preferred bidder.

Confidentiality

All information provided in response to this RFQ is confidential and may not be disclosed to third parties without prior written consent.

For inquiries and submissions please contact: Sam Dyck sdycck@inuvialuit.com

Scope of Work

The successful proponent must provide:

- a report analyzing any differences between the survey plans and the IFA
- a georeferenced image for each page of the IFA survey atlases
- a shapefile that reflects the current extent of Inuvialuit Private Lands (including subsurface rights), by adjusting the metes and boundaries according to Appendix 1 and 2 of this RFQ. a list of all reference documents used, such as NTS mapsheets and air photos

Relevant documents

- Canada Lands survey plans 75719, 75720, 75721, available for free as an un-referenced multi-sheet PDFs from the Canada Lands Survey.
- The 2005 consolidation of the IFA, available at [https://irc.inuvialuit.com/documents/the-inuvialuit-final-agreement/Appendixes 1 and 2 of this RFQ](https://irc.inuvialuit.com/documents/the-inuvialuit-final-agreement/Appendixes%201%20and%202%20of%20this%20RFQ).

The contractor shall use the NTS maps indicated in the IFA annexes as the references for the locations of natural boundaries such as rivers and coastlines. Where those are not applicable, natural references should be aligned with official sources from the time of survey, or as close as possible. An analysis of the changes in the location of natural boundaries is outside the scope of this project.

Appendix 1: Known errors in the IFA metes and bounds, and amendments not included in the 2005 Consolidation.

Annex F-1

Delete "thence westerly along latitude 68° 20 to its intersection with longitude 135° 15'" and replace it with "thence westerly along latitude 68° 20 to its intersection with longitude 136° 15'"

Annex F-2

Two amendments were made to this annex:

“following the words fifthly add "Commencing at the point on the southwesterly bank of Shallow Bay at latitude 68° 46' and approximate longitude 135° 41' 50"; thence westerly along latitude 68° 46' to a point on the easterly bank of an unnamed channel at approximate longitude 135° 43' 30"; thence northeasterly and southeasterly along the sinuosities of the banks of said unnamed channel and Shallow Bay to the point of commencement.”

following “Sixthly” delete “134° 40” add; "135° 40,"

This appears to create an impossible polygon. Contractor should assume the surveyor’s work reflects the intent of the IFA and include a disclaimer in the polygon data in the shapefile.

Annex G-2

delete 69° 02' 10; add "69° 01 '"
delete 69° 01'; add "69° 02' 10"

Annex K-5

There is some conflict between the IFA survey and the later Nunavut boundary survey around the mouth of the Kugaluk River and Bell Island. The contractor will use the natural boundaries used in the NTS maps listed in the IFA. This requires additional discussions with NRCan.

Appendix 2: Subsequent land adjustments to be reflected in the new Inuvialuit Lands shapefile

Inuvialuit Lands transferred to Canada or the GNWT, Inuvialuit do not have subsurface rights:

- Wynnait Adjustment Area (80977 CLSR NT)
- Surveyed Road 7(1)(b), Plan 4240 Inuvialuit retain an easement over this parcel which should be noted.

Inuvialuit Lands transferred to Canada or the GNWT, where Inuvialuit retain mineral (but not sand and gravel) rights:

- Lot 1003, Quad 97 G/15, Plan 4239 (Sachs Harbour)
- Lot 1001, Quad 97C/8, Pan 4248 (Paulatuk)
- Surveyed Road 7(1)(a) Plan 4240 Inuvialuit retain an easement over this parcel which should be noted.
- Lots 1000, 1002, and 1003, Quad 87 F/10 Plan 4240 (Ulukhaktok)
- Road 1000, Quad 107 C/7, Plan 4713, 106216 CLSR
- Road 1000, Quad 107 B/7, Plan 4707, 106212 CLSR
- Road 1000, Quad 107 B/15, Plan 4710 LTO, 106214 CLSR
- Road 1002, Quad 107 B/15, Plan 4710 LTO, 106214 CLSR
- Road 1004, Quad 107 B/15, Plan 4710 LTO, 106214 CLSR
- Road 1006, Quad 107 B/15, Plan 4710 LTO, 106214 CLSR
- Road 1001, Quad 107 C/2, Plan 4710 LTO, 106214 CLSR
- Pingo Canadian Landmark (CLSR 71851)

Inuvialuit Lands transferred to Canada or the GNWT, where Inuvialuit retain mineral, sand and gravel rights:

Paulatuk

- Lots 1004, 1005, 1006, Plan 4301 (residential lots)
- Roads R21 and R22, Plan 4301 (road to water lake)
- Lot 1007, Plan 4301 (water intake)
- Lot 1002, Plan 4302 (part of tank farm)
- Lot 1003 and Road R20, Plan 4289 (dump and sewage lagoon) (sewage lagoon extends slightly onto private lands under a lease which need not be noted)

Sachs Harbour

- Lot 1005 and Road R13, Plan 4290 (water intake)
- Lot 1006 and Road R15, Plan 4290 (dump and access road)
- Lot 1004 and Road R16, Plan 4290 (sewage lagoon)

Tuktoyaktuk

- Lots 1022 and 1023, Plan 4715 (sewage lagoon)
- Road R69, Plan 4300 (Sewage Lagoon access road converted into ITH, has a much narrower right-of-way than much of the ITH)

Lands transferred to Inuvialuit under special regime:

- 1020, Quad 107B/7, Plan 3030 (surface and granular rights only)

Lands transferred to Inuvialuit as 7(1)(b) lands:

- Lot 1000 Quad 87 F/10 Plan 4240 (Melville Island)
- Lot 1000, Quad 107 B/15, Plan 4712 LTO, 106218 CLSR
- Lot 1001, Quad 107 B/15, Plan 4712 LTO, 106218 CLSR
- Lot 1002, Quad 107 B/15, Plan 4712 LTO, 106218 CLSR
- Road 1007, Quad 107 B/15, Plan 4712 LTO, 106218 CLSR

Appendix 3: Submission Form

Please include a separate document outlining relevant experience and capabilities.

Proponent Name:	
Email:	
Mailing Address:	
Are you an Inuvialuit Business?	
Bid Price (excl. GST)	

Timeline

Based on a contract start date of January 31^s, the contractor will complete the following deliverables by no later than:

Deliverable	Date
Provide a report analysing any differences between the survey plans and the IFA	
Provide a georeferenced image for each page of the IFA Survey Atlases	
Provide a georeferenced image for each page of the IFA Survey Atlases	
Provide a list of all reference documents used, such as NTS mapsheets and air photos	