



IDENTIFICATION

Department	Position Title	
Education, Culture and Employment	Climate Change Archaeologist	
Position Number	Community	Division/Region
71-16246	Inuvik	Culture and Heritage/Beaufort Delta

PURPOSE OF THE POSITION

The Climate Change Archaeologist promotes the conservation of archaeological sites in the Beaufort Delta region. The key focus of this position is management planning, research, and mitigation work with respect to the erosion of archaeological sites along the Beaufort Sea Coast, as well as other climate change-related impacts to archaeological sites in the region. The Climate Change Archaeologist also engages with regulatory and environmental assessment processes in the Inuvialuit Settlement Region (ISR) to promote the protection of archaeological sites in relation to development activities, and participates in the regulation of archaeological research in the ISR.

SCOPE

Located in Inuvik, the Climate Change Archaeologist reports to the Territorial Archaeologist, and is part of the Cultural Places Program (CPP) within the Culture and Heritage Division of the Department of Education, Culture, and Employment (ECE).

The Climate Change Archaeologist operates with a considerable degree of latitude in carrying out the duties of the position within the policies and goals of the Culture and Heritage Division, the *Historical Resources Act*, the Archaeological Sites Regulations (*Archaeological Sites Act*), the Northwest Territories Land Use Regulations (*Northwest Territories Lands Act*), the *Canadian Environmental Assessment Act*, and the Inuvialuit Final Agreement.

The Climate Change Archaeologist develops and implements programs to understand and mitigate impacts to archaeological sites from landscape disturbances caused or exacerbated by climate change. The incumbent establishes and maintains collaborative working relationships with organizations and communities in the Beaufort Delta Region. As the position is geographically distant from the rest of the Cultural Places Program, independent



decision-making will be required in all aspects of the incumbent's work, and they will need to establish a local network to facilitate program initiatives.

The incumbent will administer a Government of the Northwest Territories (GNWT) budget of up to \$30,000 annually, with other funds coming through external funding sources, and will be required to manage seasonal employees during summer fieldwork.

Fieldwork may require the incumbent to lift and move heavy objects and loads, to travel for extended periods of time, and to face potential risks and dangers. In field and community settings the incumbent is required to work in cross-cultural situations requiring particular attention to culturally appropriate behaviour and conduct. Throughout the year the incumbent may be required to travel to communities to attend meetings often outside of regular work hours.

RESPONSIBILITIES

1. Create and implement management plans for archaeological sites at risk of impact from climate change-related landscape disturbances in the Beaufort Delta Region, particularly coastal erosion along the Beaufort Sea Coast.

- Compile and analyze data to assess coastal erosion and other landscape disturbances in relation to archaeological sites. Create research partnerships with other experts to facilitate this work.
- Engage with Indigenous organizations and communities on areas of cultural significance and priorities for management actions.
- Conduct archaeological survey work to fill gaps in archaeological site information in areas at high risk of impact from coastal erosion and other landscape disturbances.
- Prepare management plans and monitoring protocols for archaeological sites at risk.

2. Conduct archaeological investigations and excavations to mitigate climate change impacts on archaeological sites in the Beaufort Delta Region.

- Seek and apply for funding to support archaeological mitigation efforts.
- Organize and conduct field campaigns, including logistical arrangements, supervising field crews, and developing and implementing field safety plans.
- Coordinate with conservation and collections experts on management of excavated materials.
- Report on research results through written reports and oral presentations.

3. Assist the Territorial Archaeologist with other climate change-related projects.

- Conduct research and maintain a general awareness of the effects of climate change on archaeological sites and other cultural resources in the NWT.



- Maintain a network of connections to other Northern archaeologists involved in climate change work.
- 4. Manage the protection of archaeological sites in relation to development projects in the Inuvialuit Settlement Region.**
 - Review environmental impact screenings, lease applications, and land use permit applications in the ISR, and makes recommendations for the protection of archaeological sites.
 - Review archaeological overview assessments and archaeological impact assessments for development projects in the ISR. Develop and communicate management recommendations to developers.
 - Prepare interventions for environmental assessment proceedings involving archaeological site management issues in the ISR.
 - 5. Assist with the administration of GNWT archaeological site management activities in the ISR.**
 - Review NWT Archaeology Permit applications for archaeological research in the ISR
 - Review archaeology permit reports pertaining to archaeological research in the ISR.
 - Develop policies and guidelines for archaeological site management in the ISR.
 - Provide expert advice to other GNWT departments for the purposes of land use planning, conservation area planning, land claim and self-government negotiations, and other initiatives in the ISR.

WORKING CONDITIONS

Physical Demands

During fieldwork, the incumbent's time is spent in remote and isolated field situations conducting archaeological research requiring physical endurance and strength. Fieldwork may require the incumbent to lift and move heavy objects and loads.

Environmental Conditions

Fieldwork may expose the incumbent to extreme environmental conditions, requiring mental and physical alertness at all times. In field situations the incumbent may be exposed to wildlife hazards and other potential risks and dangers and may be without emergency medical assistance for extended periods of time.

During fieldwork the incumbent may be exposed to, and often required to use a variety of potentially dangerous equipment, including firearms, axes and chainsaws, outboard motors and a variety of watercraft.



Sensory Demands

In field situations, the incumbent must use all senses to ensure safety of field crew and to attend to research responsibilities. Visual, aural and tactile acuity is particularly important in field situations, especially when operating mechanical equipment, and being alert to potential environmental and work-related risks and dangers.

Mental Demands

In field situations, the incumbent is required to ensure the safety of field crew. In field situations the incumbent will be away from home and family for extended periods of time.

KNOWLEDGE, SKILLS AND ABILITIES

- Knowledge of the archaeological record of the Canadian Arctic, and archaeological site management practices, policies, and legislation.
- Knowledge of landscape disturbances related to climate change and their effects on archaeological sites, as well as analytical methods for investigating these impacts.
- Skills relating to archaeological fieldwork in remote settings; knowledge of personal protective equipment, communication and safety protocols, and wilderness first aid.
- Knowledge of and/or the ability to acquire and apply knowledge of specialized equipment used in archaeological fieldwork (i.e. GPS, total station, satellite phones, firearms, water craft, photography equipment, camping equipment, generators, etc.).
- Skills relating to geographical information systems (GIS), including working with remote sensing products.
- Skilled in oral history and traditional knowledge research and have an understanding of research ethics related to this type of research.
- Written and verbal communication skills and the ability to communicate effectively in cross-cultural and public settings.
- Research, data analysis, and technical writing skills.
- Familiarity and sensitivity to Northern cultures and languages, places, and environments.
- Team-oriented with the ability to lead a field crew in remote fieldwork settings.
- Ability to commit to actively upholding and consistently practicing personal diversity, inclusion and cultural awareness, as well as safety and sensitivity approaches in the workplace.

Typically, the above qualifications would be attained by:

A Master of Arts or Master of Science in archaeology or anthropology (with an archaeology focus) and three (3) years of archaeological field research experience..

Equivalent combinations of education and experience will be considered.



ADDITIONAL REQUIREMENTS

Eligibility to hold a Possession and Acquisition License for firearms and to obtain a Class 5 NWT Driver's License.

Position Security

- ☒ No criminal records check required
- ☐ Position of Trust – criminal records check required
- ☐ Highly sensitive position – requires verification of identity and a criminal records check

French language (check one if applicable)

- ☐ French required (must identify required level below)

Level required for this Designated Position is:

ORAL EXPRESSION AND COMPREHENSION

Basic (B) ☐ Intermediate (I) ☐ Advanced (A) ☐

READING COMPREHENSION:

Basic (B) ☐ Intermediate (I) ☐ Advanced (A) ☐

WRITING SKILLS:

Basic (B) ☐ Intermediate (I) ☐ Advanced (A) ☐

- ☐ French preferred

Indigenous language: Select language

- ☐ Required
- ☐ Preferred