



## **Committee Bay Project**

### ***Corporate and Social Responsibility Action Plan***

#### ***Revision 1***

North Country Gold Corp.  
November 2014

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## 2.0 **DOCUMENT CONTROL**

Version	Date	Section	Pages	Revision
1	17/Nov/2014	all	all	Re-write of existing 2012 NCGC Corporate and Social Responsibility Action Plan

### 3.0 **COMPANY AND PROJECT BACKGROUND**

North Country Gold Corp. ('NCGC') is a publically listed, Canadian based exploration company conducting mineral exploration within the Committee Bay area in the eastern portion of the Kitikmeot Region, Nunavut Territory, Canada.

The Committee Bay Project ('CBP') comprises mineral claims and leases located on both Crown Land and Inuit owned (surface rights) land pursuant to the Nunavut Land Claims Agreement. The project encompasses NCGC's flagship Three Bluffs gold deposit, numerous gold occurrences, four exploration camps and a number of fuel and equipment caches.

Exploration work programs are generally undertaken as seasonal campaigns occurring between March and October in any given year, largely dictated by market conditions. Work activities comprise claim and lease staking, prospecting, geological mapping, rock, till and soil sampling, airborne and ground geophysics and drilling. Supplies, including fuel are airlifted to the CBP from various towns and cities in Nunavut, Manitoba and the Northwest Territories.

In 2011, NCGC initiated an upgrade of its primary camp, Hayes Camp. These upgrades were designed to increase the camp capacity to 100 people and improve the overall safety, working conditions and environmental impacts of ongoing work at the Three Bluffs gold deposit. Upgrades completed in 2011 comprised construction of additional camp accommodation, the installation of new washroom facilities, quonset structures, a dual chambered incinerator, waste water treatment system, and initiation of the construction of a 3000' airstrip. NCGC intends to continue these camp upgrades and to construct an all-weather road from Hayes Camp to, and within, the Three Bluffs drilling area in coming years.

NCGC has the following permits and licences in place to support advanced exploration activity at the CBP.

Organization	Description	Permit/Licence #
Nunavut Impact Review Board	Project Reference Number	07EN021
Aboriginal Affairs and Northern Development Canada (AANDC)	Land Use Permit (Bullion camp)	N2014C0002
	Land Use Permit (Hayes camp)	N2014C0005
Kitikmeot Inuit Association	Land Use Licence for IOL (Ingot /Crater camps)	KTL314C003
Nunavut Water Board (NWB)	Water Licence	2BE-CRA1015
Aboriginal Affairs and Northern Development Canada (AANDC)	Commercial Leases	Lease 065J/11-1-2
		Lease 065J/12-1-2

## 4.0 **INTRODUCTION**

NCGC has developed a series of management plans to describe and document work activities and procedures employed at its Committee Bay Project within Nunavut Territory, Canada.

This plan has been developed as an overview of NCGC's environmental policies designed to promote responsible environmental and social stewardship. Additional detail can be found within the following supporting management plans:

- NCGC Abandonment and reclamation plan
- NCGC Archaeology plan
- NCGC Comprehensive waste management plan
- NCGC Explosives management plan
- NCGC Fuel management plan
- NCGC Quarry development plan
- NCGC Spill prevention and contingency plan
- NCGC Waste water treatment system management plan

## 5.0 **SCOPE AND OBJECTIVES**

NCGC is committed to maintaining high standards in environmental practices. The company appreciates that it conducts its business in remote and relatively pristine areas with sensitive ecosystems and challenging environmental and climatic conditions.

NCGC embraces safe, socially and environmentally responsible and sustainable work practises during all phases of exploration activities within Nunavut. NCGC aims to:

- Conduct all work practises with due regard for the protection of the health and safety of all workers, contractors and the community at large
- Conduct all work practises with due regard for the protection of the environment, flora, fauna and sites of natural, cultural and historical significance
- Conduct all work practises in compliance with all laws, regulations, standards, permits, licences and best practises
- Assess the potential environmental impacts of all work practises and to ensure that effective controls are in place to minimize, mitigate and manage risks

- Take prompt and appropriate corrective actions should unexpected environmental impacts occur
- Ensure effective communication and close liaison is maintained with employees, the public, communities, government agencies, regulators and all stakeholders with regard to health, safety and environmental matters
- Undertake sustainable work practises wherever possible by implementing practises to reduce, reuse and recycle resources, and considering environmental factors in the purchase of supplies and equipment and development of procedures.
- Ensure that all employees and contractors are aware of NCGC's environmental commitments, policies and procedures and that these principles are embraced in all work practises.

## 6.0 **PLANNING**

Exploration programs will be carefully planned to minimize disturbance and effectively manage environmental risks.

### **6.1 Risk Assessment**

The activities associated with the proposed exploration program will be assessed for environmental risks and impacts. Variables such as topography, climate, fauna, vegetation and stakeholders will be considered. Procedures and/or processes will be implemented to manage and mitigate the identified environmental risks and impacts.

### **6.2 Emergency Preparedness**

A *Spill Prevention and Response Plan* has been established for exploration programs and remote camp locations. The plan includes contingencies for probable environmental emergencies as a result of natural occurrences and/or as a result of program activities.

### **6.3 Budget**

Activities such as site clearance surveys, environmental training, and rehabilitation will be included in the program budget. These are a genuine program costs and must be treated as such. Good environmental planning and management will minimize environmental damage.

## **6.4 Due Diligence**

The environmental status of land will be reviewed prior to acquisition and any potential environmental liabilities recognized. This may involve discussions with landholders or joint venture partners, on-site inspections, reviewing maps, photographs and previous reports of the area. This process will be continued during the life of the program and will include mapping or photographing of possible sensitive sites.

## **6.5 Legislative Requirements**

All relevant legislation will be known, communicated and complied with.

## **6.6 Authorizations**

Any stakeholders of the land that will be explored will be notified. Relevant approvals from stakeholders and regulatory authorities will be obtained before exploration commences.

NCG has received a number of authorizations in order to conduct exploration activities in Nunavut. These authorizations are presented in table 1.

Organization	Description	Permit/Licence #
Nunavut Impact Review Board	Project Reference Number	07EN021
Aboriginal Affairs and Northern Development Canada (AANDC)	Land Use Permit (Bullion camp)	N2014C0002
	Land Use Permit (Hayes camp)	N2014C0005
Kitikmeot Inuit Association	Land Use Licence for Inuit Owned Lands (includes Ingot and Crater Camps)	KTL314C003
Nunavut Water Board (NWB)	Water Licence	NWB-2BE-CRA1015
AANDC	Commercial Lease	Lease 065J/11-1-2
		Lease 065J/12-1-2

Table 1 – NCGC Committee Bay Project authorizations

The Terms and Conditions of each of these authorizations are the rules that NCGC must abide by when conducting all activities. In addition to these there are a number of Acts, Regulations, Guidelines and Recommendations that must also be followed. These include (but are not limited to):

- Fisheries Act
- Department of Fisheries and Oceans Operational Statements and Guidelines
- Caribou Protection Plan/Caribou Protection Measures
- Keewatin Land Use Plan



- Nunavut Waters and Nunavut Surface Rights Tribunal Act
- Territorial Lands Act
- Territorial Land Use Regulations
- Nunavut Land Claims Agreement
- Environmental Protection Act
- Canadian Environmental Protection Act
- Species At Risk Act
- Territorial Wildlife Act
- Guide to Spill Contingency Planning and Reporting
- Public Health Act

### ***6.7 Responsibilities and Accountabilities***

Environmental responsibilities will be assigned and communicated to all members of the program team. This includes employees, contractors and sub-contractors. Contractor responsibilities will be outlined in the environmental schedule of the contract. The primary responsibility for protecting the environment from impacts related to program activities is assigned to the Project Manager.

### ***6.8 Induction and Training***

Field employees and contractors will undergo an environmental induction that includes relevant regulations.

### ***6.9 Contractors***

Preference will be given to contractors who display high standards of environmental management and performance.

### ***6.10 Closure Planning***

The short term and long term environmental implications of NCGC's activities will be considered and plans developed to eliminate or mitigate impacts upon program closure.

## **7.0 STAKEHOLDERS**

A stakeholder is an individual or group (i.e. landholder, local group, regulatory authority, community, etc.) concerned with or potentially affected by our exploration activities. Stakeholders will be identified for each program. Regular communication will be maintained with these stakeholders for the duration of the program, and afterwards in some cases. Any agreement made with stakeholders should be documented.

### **7.1 Cultural and Heritage Issues**

Cultural objects, remains and sites of spiritual, archaeological, anthropological or historical significance will be protected. Surveys may be required to identify sites of sacred, heritage and cultural significance. The results of these surveys must be documented. Any additional sites encountered during exploration will be left undisturbed and reported to the appropriate authority. Any discussions with local communities or traditional owners should be documented.

For additional details please refer to NCGC's *Archaeology and Palaeontology Plan*.

## **8.0 FLORA AND FAUNA**

All reasonable care will be taken to avoid interference with rare or endangered species or native flora or fauna.

### **8.1 Flora**

All reasonable care will be taken to avoid unnecessary impacts to flora and to mitigate required impacts.

### **8.2 Fauna**

Approaching and feeding wildlife is prohibited. NCGC has made commitments to communities and regulatory agencies that wildlife will not be harassed or disturbed. Harassment of all wildlife is strictly forbidden by all individuals conducting business on behalf of NCGC. This is also a Terms and Condition required by regulatory authorities.

Wildlife sightings will be recorded on wildlife observation sheets available at camps in the kitchen, office and other marked locations (as applicable). Field crews will also carry wildlife sighting sheets with them in their field books. This information will be collected and provided with annual reports.

### **8.3 Firearms**

In some instances, NCGC may allow appropriately licenced field personnel to carry firearms for safety reasons. Firearms will be handled, transported and stored in accordance with applicable regulations and whilst onsite will be stored within a locked safe or case. Any firearm discharges must be reported to the Project Manager.

### **8.4 Hunting**

The hunting of wildlife by employees and contractors while conducting business on behalf of NCGC is strictly forbidden. The regulatory agencies have made this a Term

and Condition as part of NCGC's land use permits and authorizations. There are no exceptions to this rule.

### **8.5 Aircraft**

Low-level aircraft and helicopter flights will avoid areas where nesting and denning habitats are identified or where concentrations of wildlife have been observed. A pre-screening survey of the area will be conducted prior to any low-level geophysical surveys to ensure that there is no wildlife present in the area.

Helicopters will not land in any area where wildlife are present unless under an emergency situation. Should an emergency situation arise this will be documented and reported to the appropriate regulatory agencies and will be noted in the annual report.

### **8.6 Caribou protection**

Special caribou protection measures are required for areas of Nunavut to avoid disturbing calving caribou and migrating herds. NCGC will adopt the following measures to ensure that caribou are not disturbed:

- In the event that any caribou cows (pregnant or with calves) are identified within the project area NCGC will suspend operations until the caribou have moved at least 1 km away from the area. This will include blasting, drilling, driving of snow machines, ATV's and equipment, low level flights and airborne surveys etc.
- In the event of any caribou migration, NCGC will cease all activities that may interfere with migration until caribou have passed. NCGC will not conduct any blasting activities within 10 km, or drilling activities within 5 km of important caribou paths or crossings.
- NCGC will ensure that activities do not block or cause any diversion to caribou migration.

### **8.1 Nest sites**

NCGC will ensure that eggs or nests are not disturbed by any activities. If nests are encountered and or identified, NCGC will take precaution to avoid further interaction and or disturbance (by establishing a buffer around the nests). If active nests of any bird are discovered (with eggs or young) NCGC will avoid these areas until nesting is complete and young have left the nest.

## **8.2 Den sites**

No active den sites are to be disturbed by any activities. If a den site is discovered, the GPS coordinates will be recorded so that the site can be avoided. These coordinates will be provided to the appropriate regulatory authorities.

The following buffers are provided (by the Government of the Northwest Territories) for active dens between the den and all exploration activities between May 1<sup>st</sup> and July 15<sup>th</sup>:

Wolves	800 m buffer
Grizzly Bear	300 m buffer
Wolverine	2 km buffer
Fox	150 m buffer

## **8.1 Nuisance wildlife**

NCGC believes that proper food storage and handling of cooking wastes will help to prevent problems with wildlife. All wastes will be stored such that they are not accessible to any wildlife until such time that they can be appropriately disposed of.

Any nuisance wildlife will be reported immediately to the Project Manager (or designated person). This will be reported to the Government of Nunavut Wildlife Biologist and the Kitikmeot Inuit Association immediately (See Table 2 – Contacts, at end of document). Any incidents resulting in harm or kills to wildlife will be reported to the Government of Nunavut and the Kitikmeot Inuit Association Senior Lands Officer in writing within 48 hours.

## **8.2 Human Bear Interactions**

All human-bear interactions will be reported immediately to the Project Manager (or designated person). The Project Manager (or designated person) will then contact Government of Nunavut Wildlife Biologist and the Kitikmeot Inuit Association Senior Lands Officer.

Employees and contractors are given an orientation when they arrive at site which includes information on working safely in bear country. Bear Safety material will be available in camp.

## **9.0 AIRBORNE OPERATIONS**

NCGC's exploration activities require airborne support due to the remote locations. Additionally, due to the lack of serviceable airstrips in the region, this support involves aircraft equipped for off-strip operations (float planes, helicopters). These types of

aircraft have a minimal potential impact upon the environment. The potential impacts include from the use of aircraft may involve petroleum product spill and disturbance of fauna and people from low altitude flying and frequent landings/take-offs.

The likelihood of disturbing or disrupting people is considered low due to the remote locations of the activity. All stakeholders will be contacted prior to the commencement of operations. The requests of all stakeholders will be respected.

### **9.1 Airstrips**

NCGC is in the process of upgrading the airstrip at Hayes Camp to accommodate larger aircraft and improve overall safety. NCGC will continue to use Otter aircraft equipped with tundra tires to access Bullion, Ingot and Crater camps.

### **9.2 Helipads**

Helicopter landings and take-offs have little impact upon the flora or ground surface. However, helicopters require an area clear of obstructions that allows for safe maneuverability of the aircraft. The size of this area is dependent upon the aircraft type.

The vast majority of NCGC's operations to date have been north of the tree line where the clearing of vegetation for landing site preparation is unnecessary. The following measures will be considered during helicopter operations:

- Landing sites will be selected, whenever possible that have a competent ground surface and are naturally free of vegetation or marginally covered.
- Landing sites that are designated for repetitive use which are blanketed by ground cover vegetation will have a helipad constructed.
- Helipads will be constructed in such a way as to minimize surface contact with vegetation.
- Helipads will be constructed using dimensional lumber. Where applicable, trees that have been cleared for the landing site may be used to construct helipads.

## **10.0 LAND DISTURBANCE**

NCGC will ensure that all necessary permits and permissions are obtained prior to conducting any activities likely to result in land disturbance. No disturbance will take place in areas of natural, cultural and historical significance.

The vast majority of NCGC's operations to date have been north of the tree line where the clearing of vegetation has largely been unnecessary. NCGC will make all efforts to avoid and minimize the need for land disturbance. Level areas free of vegetation will be selected for camps, caches, buildings and helicopter landing pads. Motive based operations will take place preferentially during periods of snow cover using low ground pressure equipment. Where surface disturbance is unavoidable, it will be carried out in a manner that does not promote rutting and erosion.

### **10.1 Earth moving**

Earthmoving activities will be restricted to within the Hayes camp site, the Hayes Camp to Three Bluffs all-weather road route, within the Three Bluffs grid area and a number of permitted quarry sites. Activities in these areas may include overland vehicle access and the blasting, excavation, loading, hauling, dumping, grading and packing of material. In some instances earthworks may comprise the construction of small pits and sumps for the collection of benign waste (greywater, drill fluids etc).

Earth moving and clearing activities will be supervised at all times by a NCGC representative who will clearly define the area to be disturbed using temporary markers.

Topsoil (or surface material useful for regeneration or re-vegetation) will be removed and stockpiled separately from subsoil. Topsoil will be returned as soon as possible (preferably within six months) to maintain seed viability, nutrient quality and microbial activity.

### **10.2 Quarrying**

All quarrying will be completed in accordance with NCGC's *Quarry Management Plan*, *Explosives Management Plan* and applicable guidelines and regulations.

### **10.3 Geochemical Sampling**

When taking soil/ till samples, areas naturally free of vegetation (frost boils) will be selected whenever possible. When this is not possible the organic layer and any topsoil should be put to one side and replaced after the sample is collected.

## **11.0 WINTER OPERATIONS**

NCGC expects that until the construction of the all-weather road between Hayes Camp and the Three Bluffs drilling area is complete, the majority of motive based operations will be completed during winter months during periods of snow cover. During this time NCGC will use skid mounted drill shacks, pumps and track mounted support equipment

to complete drilling activities. The following measures will be employed during winter operations:

- Winter road routes will be selected that maximize the use of frozen water bodies
- Ice thickness will be tested, and be of sufficient thickness to support vehicles and equipment
- Stream crossings will be constructed of ice and snow (free of sediment) to minimize approach grade
- Areas prone to natural erosion will be avoided
- A minimum of 10 cm of packed snow will be maintained on all road routes
- NCGC will suspend overland travel if rutting occurs or if frozen water bodies begin to thaw.

## 12.0 **GRIDDING**

NCGC will adopt the following when installing grids to support exploration activities.

- Wooden survey pegs will be used in preference to steel.
- Steel marker posts will only be used as permanent survey points and where possible will be positioned where they will not cause injury to animals or people, or interfere with vehicle movement.
- No pointed stakes that will endanger humans or animals will be left onsite
- Care will be taken to ensure all pegs are removed at the completion of exploration.
- Flagging tape and spray paint will be used sparingly. If possible, biodegradable items will be used.
- Hip-chain line will be broken after crossing a track or trail and care taken to ensure that the line has fallen clear of the right of way.

## 13.0 **GEOPHYSICAL SURVEYS**

During geophysical surveys electrical wires will be monitored during surveys (where practical) to avoid endangering animals or people in the area. If potential exists for other people to be present in the area, warning signs will be erected. At no time are wires or cables to be left unattended.

## 14.0 **DRILLING OPERATIONS**

Contracts for exploration drilling services will stipulate adherence to the environmental component of the environmental procedures contained within this document and all

terms and conditions of licences and authorizations. Contracts will include penalties for non-compliance.

#### **14.1 Site Selection**

NCGC will make every effort to ensure that drill sites are selected which minimizes damage to the environment.

#### **14.2 Sumps**

NCGC will use the following criteria when constructing sumps

- All drill sumps will be located a minimum of 31 metres above the high water mark of any water body
- Natural depressions will be used in preference to excavation.
- Sumps will preferentially be positioned down slope of drill collars to ensure run-off flows into the sump
- The number/size of sumps will be adequate to contain all potential drilling fluids.
- If excavation is required, the organic layer and any topsoil should be stockpiled separately for replacement during backfilling.
- Excavated sumps should be fenced or barricaded until they have been backfilled.
- Excavated sumps should be allowed to dry out (by evaporation) prior to burial.

#### **14.3 Drilling Fluids**

NCGC will ensure that drilling fluids utilized at the CBP are:

- biodegradable (where such products exist),
- contained in sumps or by another suitable and approved method (e.g. tank),
- disposed of according to regulations.

#### **14.4 Groundwater**

If artesian water is encountered during the course of drilling operations NCGC will ensure that the drill hole is immediately plugged and permanently sealed. Details on the location of the hole, depth and date will be provided to the Nunavut Water Board.

#### **14.5 Reverse Circulation / Percussion drilling**

When handling drill samples (cuttings), care will be taken to prevent mixing of sub-soil with topsoil if they are significantly different from each other. A tarp or similar device should be placed around the hole to contain drill cuttings and to prevent contact with the ground surface. Water injection should be used to control dust. On completion of the hole, all cuttings not required for analysis or storage will be poured back into the hole or otherwise disposed of according to regulations.



#### **14.6 Drilling on Ice**

NCGC will contact the Nunavut Impact Review Board (NIRB) and Environment Canada prior to undertaking any on ice drilling.

NCGC will ensure that on ice drilling is completed in accordance with the following:

- Drilling fluids and cuttings will be recirculated or contained to prevent contact with the ice surface or water.
- Drilling fluids and cuttings will be disposed of on land in a natural depression or excavated sump or otherwise in accordance with the land use permit.
- A method to clean up an accidental spill of this material will be devised and the required equipment made available prior to the commencement of operations.

#### **14.7 Spill Prevention**

Details on spill prevention are provided in *NCGC's Spill Prevention and Response Plan*. Methods will be implemented for the handling and care of petroleum products, drilling additives, etc. so as to prevent accidental spillage of these materials. Drip pans will be placed under leaking equipment and, if practicable, the leaks will be repaired as soon as possible.

#### **14.8 Core Cutting**

Wastewater from core sawing will be controlled to prevent erosion of the ground surface and the silting of watercourses. Where practicable, it will be contained and recycled through the core saw. Cuttings and unwanted core cut offs will be collected and disposed by burial.

#### **14.9 Drill site abandonment**

At the completion of drilling, drill holes will be plugged to eliminate hazards to wildlife. Where re-entry of a hole is not required casing will be removed if possible. Drill cuttings and chips will be poured back down the hole. Water remaining in the hole will be left to freeze and seal the hole. Drill hole plugs may also be installed where necessary. Drill steel, casing and anchors will be cut off at ground level.

#### **14.10 Waste**

Receptacles will be provided for garbage at drill sites. Food waste will be removed from drill sites daily. Once drilling is complete all waste will be removed from site to camp and handled, sorted, and disposed of in accordance with NCGC's *Comprehensive Waste Management Plan*.

#### **14.11 Drill Safety**

All drill personnel and contractors will be appropriately trained. All drill staff will have standard First Aid and CPR training. In addition drillers will have applicable Workers Safety and Compensation Committee (WSCC) Supervisor Training. Drills will be equipped with first aid supplies, communications (two way radio or satellite phone) and emergency survival kits. Emergency shelters will be located proximal to drill sites and equipped with beds, food and a heat source.

### **15.0 CAMP SITE SELECTION AND DESIGN**

To prevent disruption to flora and fauna, camps, wherever possible, will be located in naturally clear areas more than 31 metres from the high water mark of any water body. Sites will be selected in areas not frequented by wildlife.

To mitigate potential impacts, decisions regarding site selection and the type of structures and facilities to be established must consider the following criteria:

- Number of people to be accommodated.
- Duration of the camp.
- Activities to be undertaken at the camp.
- Time of year.
- Land use permit stipulations.

#### **15.1 Fire Protection and Prevention**

- Fire regulations will be observed at all times and permits obtained if necessary.
- Personnel will be advised that disposing of cigarettes onto the ground is prohibited.
- Additional precautions such as prohibiting smoking and open flames will be implemented for areas of greater risk.

### **16.0 WATER MANAGEMENT**

Precautions will be taken throughout NCGC's operations to prevent direct or indirect pollution of watercourses. This will include the following:

- Potable water will be tested for water quality.
- Regular water monitoring will be completed in areas of advanced exploration or semi-permanent camps.

- Used water will be contained in excavated sumps or natural depressions. Water flow will be controlled to prevent erosion of the ground surface and the silting of watercourses.

## 17.0 **HAZARDOUS MATERIALS MANAGEMENT**

Whenever possible, the use of hazardous materials will be avoided and other methods or non-hazardous substitutes will be employed. The following procedures will be employed to manage the storage, handling and disposal of hazardous materials:

- All hazardous materials will be stored in clearly labelled original containers (where possible)
- If a substance is taken from its primary container and placed into a secondary container, the secondary container will be adequately labeled as to its contents.
- Personnel handling hazardous materials will be adequately trained
- Appropriate Personal Protective Equipment (PPE) will be provided to persons handling hazardous materials
- Material Safety Data Sheets (MSDS's) will be available for all hazardous materials on site.
- All fuels, oils and chemicals will be stored within secondary containment a minimum distance of 31 metres from the high water mark of any water body
- Bulk tanks of fuel will be equipped with secondary containment that is capable of holding 110% of the primary tank.
- Flammable materials will be stored in cleared areas or in a metal storage cabinet that is segregated from combustible material.
- Disposal of hazardous materials will occur in accordance with NCGC's *Comprehensive Waste Management Plan*

## 18.0 **WASTE MANAGEMENT**

NCGC has developed a *Comprehensive Waste Management Plan* to manage all non-hazardous and hazardous wastes generated at the CBP. The objectives of this plan are to minimize waste products generated, implement reduce-reuse-recycle practises and provide a framework for the management of waste which minimized any potential environmental impacts.

All waste products generated at the CBP will be segregated and sorted as follows:

- Non-Hazardous wastes
  - Combustible

- Non-combustible
  - Reusable
  - Recycle able
  - For disposal
- Hazardous wastes

Wastes will then be disposed by various methods. Please refer to NCGC's *Comprehensive Waste Management Plan* for additional details.

### **18.1 Greywater and sewage waste**

NCGC's Hayes Camp is equipped with a Sanitherm Inc. Membrane Bioreactor (MBR) Waste Water Treatment System<sup>1</sup> (WWTS) capable of treating greywater and sewage waste. This facility will be utilized to treat greywater and sewage waste for large scale programs where there is sufficient waste products generated. Bricks of pressed dry sludge produced by the WWTS will be incinerated as combustible waste.

In all other instances, and for satellite camps, NCGC will use conventional grease traps and small covered sumps for greywater, and pacto toilets (or latrine pits) for sewage waste. Pacto (sewage) bags will be incinerated as combustible waste in an incinerator designed to process this type of waste.

### **18.2 Combustible non-hazardous wastes**

Combustible non-hazardous wastes including paper, cardboard, untreated wood products, food waste, putrescible food waste and pacto (sewage) bags will be incinerated onsite using NCGC's Westland CY-50-CA diesel fired, dual chambered, controlled air, incinerator located at Hayes Camp. Large pieces of untreated wood, cardboard and material comprised of natural fibres will be burned in a controlled open burn in accordance with the Government of Nunavut's Guideline for the burning and incineration of solid waste.

### **18.3 Recyclables, non-combustible inert waste and scrap metal**

Recyclables, non-combustible inert waste and scrap metal will be collected, sorted, packaged and stored until they can be backhauled and included in recycling programs or disposed of in approved municipal landfill (as appropriate).

### **18.4 Hazardous Waste**

All hazardous wastes generated at the CBP will be handled, sorted, packaged and labelled in accordance with applicable regulations, stored within appropriate secondary

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<sup>1</sup> Please see NCG WWTS Management Plan

containment and transported to approved waste disposal facilities. Waste manifests will accompany all hazardous wastes.

## 19.0 **REHABILITATION**

NCGC will take all reasonable steps to rehabilitate, re-vegetate and stabilize disturbed sites during the course of its operations. NCGC's *Abandonment and Reclamation Plan* provides additional detail on progressive, seasonal and final abandonment strategies.

NCGC will undertake the following steps at the conclusion of exploration operations:

- Remove garbage and waste material and dispose of in accordance with *NCGC Comprehensive Waste Management Plan*
- Cleanup of drill sites, cap holes, drill steel, casing and anchors will be cut off at ground level.
- All holes, trenches, sumps and excavations will be filled with stockpiled subsoil and compacted
- Where applicable and necessary, disturbed areas will be contoured to match natural drainage
- Where clearing has occurred, the area may be ripped or scarified to enable moisture and seed collection. Preserved topsoil or other surface material (useful for revegetation) may be spread over the disturbed area.
- Cleanup and rehabilitation will be documented. Photographs will be taken during the process.
- Rehabilitated areas should be monitored after exploration is complete either by physical inspection or by contacting the appropriate licensing authority.

## 20.0 **REPORTING**

Any significant environmental incident will be promptly reported to the appropriate authorities and adequately investigated.

## 21.0 **REVIEW**

NCGC will conduct annual reviews of this document to address changes in technology and operational practices. Changes will be implemented upon approval from the NWB. Contact details and information will be updated as required and distributed accordingly.

## 22.0 WILDLIFE CONTACTS

Name	Position	Office	Contact details	
Dustin Fredlund	Wildlife Manager, GN	Kugluktuk	Phone	867-982-7441
			Email	dfredlund@gov.nu.ca
Allen Niptanatiak	Conservation Officer, GN	Kugluktuk	Phone	867-982-7451
			Email	ANiptanatiak1@gov.nu.ca
Mathieu Dumond	Wildlife Biologist, GN	Kugluktuk	Phone	867-982-7444
			Email	mdumond@gov.nu.ca
Jorgen Bolt	Wildlife Technician, GN	Kugluktuk	Phone	867-982-7446
Mitch Campbell	Wildlife Manager, GN	Arviat	Phone	867-857-2828
Sarah Medill	Wildlife Deterrent Specialist, GN	Igloolik	Phone	867-934-2075
Monica Angohiatok	Conservation Officer, GN	Kugluktuk	Phone	867-982-7450
Jacob Keanik	Conservation Officer, GN	Gjoa Haven	Phone	867-360-7605
Geoff Clark	Director, Lands, Environment and Resources, KIA	Kugluktuk	Phone	867-983-2458
Wynter Kuliktana	Lands Officer, KIA	Kugluktuk	Phone	867-983-2458
Luigi Torretti	Senior Environment Officer, KIA	Kugluktuk	Phone	867-983-2458
	Senior Lands Officer, KIA	Kugluktuk	Phone	867-982-3310
			Fax	867-982-3311
John Williamson	CEO, NCGC	Edmonton	Phone	780-437-6624
Peter Kleespies	VP Exploration, NCGC	Edmonton	Phone	780-966-6638
Simeon Robinson	Project Manager, NCGC	Edmonton	Phone	780-616-9459
Andy McMullan	Bear wise	Yellowknife	Phone	867-766-4847

Table 2 – Key wildlife contacts

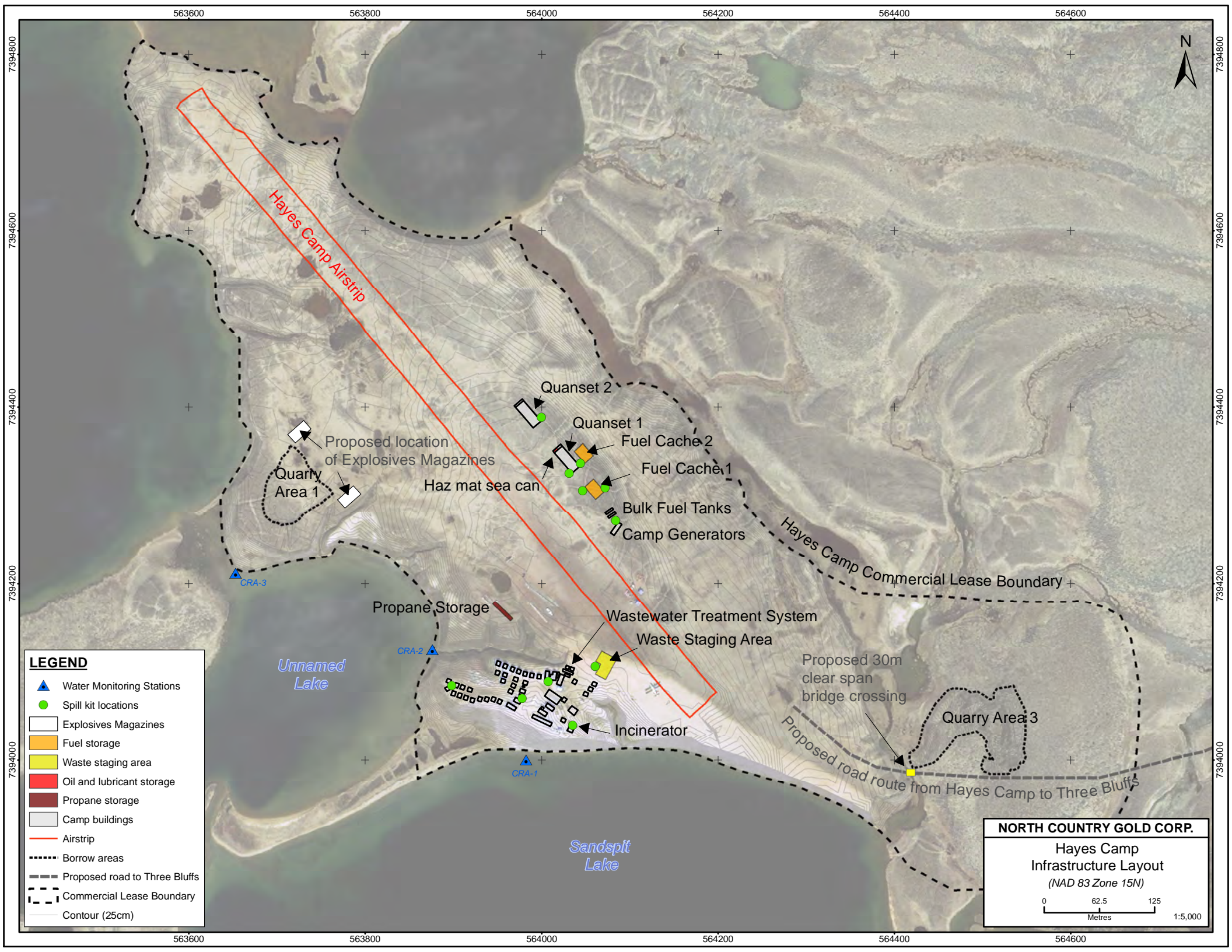
Abbreviations: GN = Government of Nunavut, KIA = Kitikmeot Inuit Association

## ***APPENDIX 1***

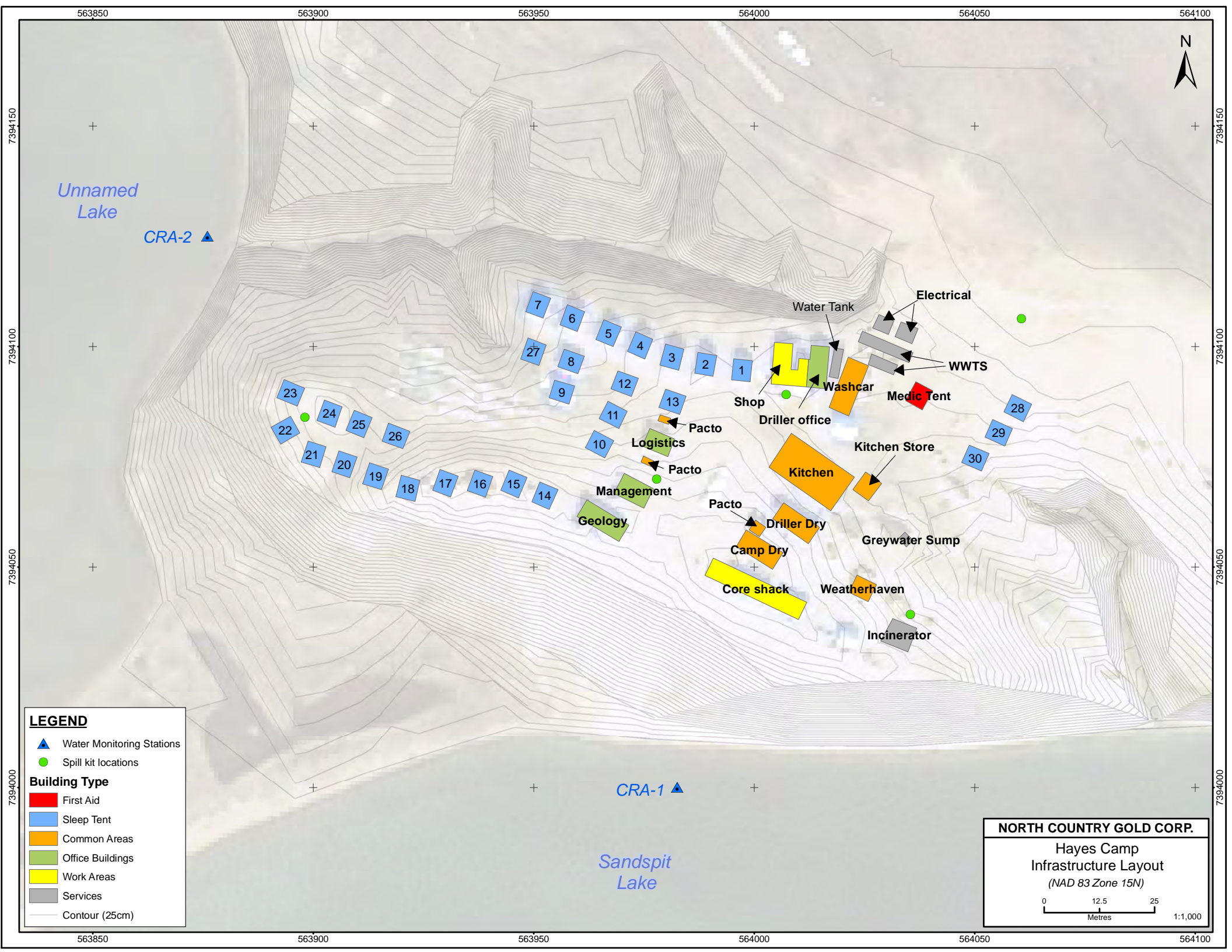
### NCGC Camp Layouts

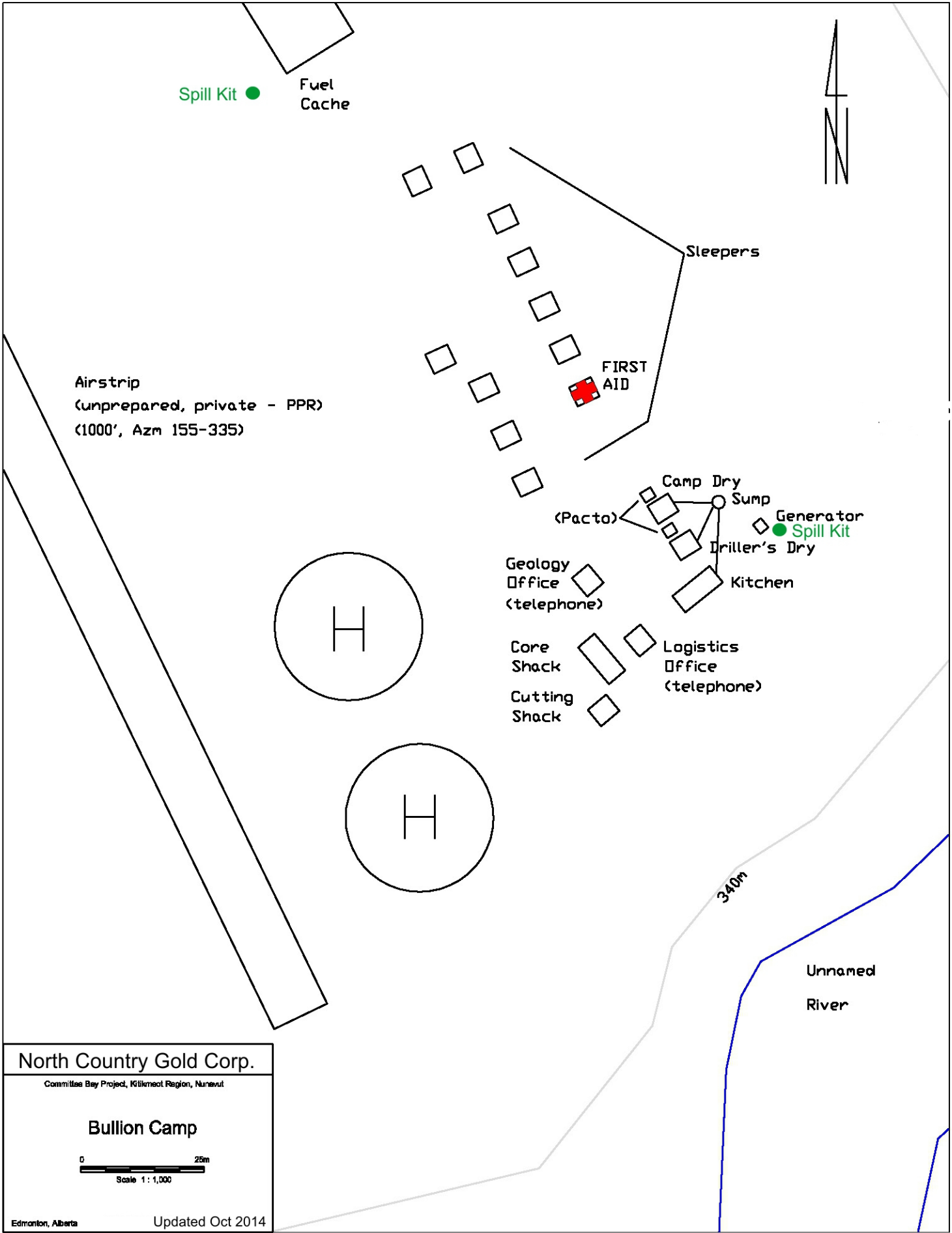
- Hayes Camp
- Bullion Camp
- Ingot Camp
- Three Bluffs drilling area











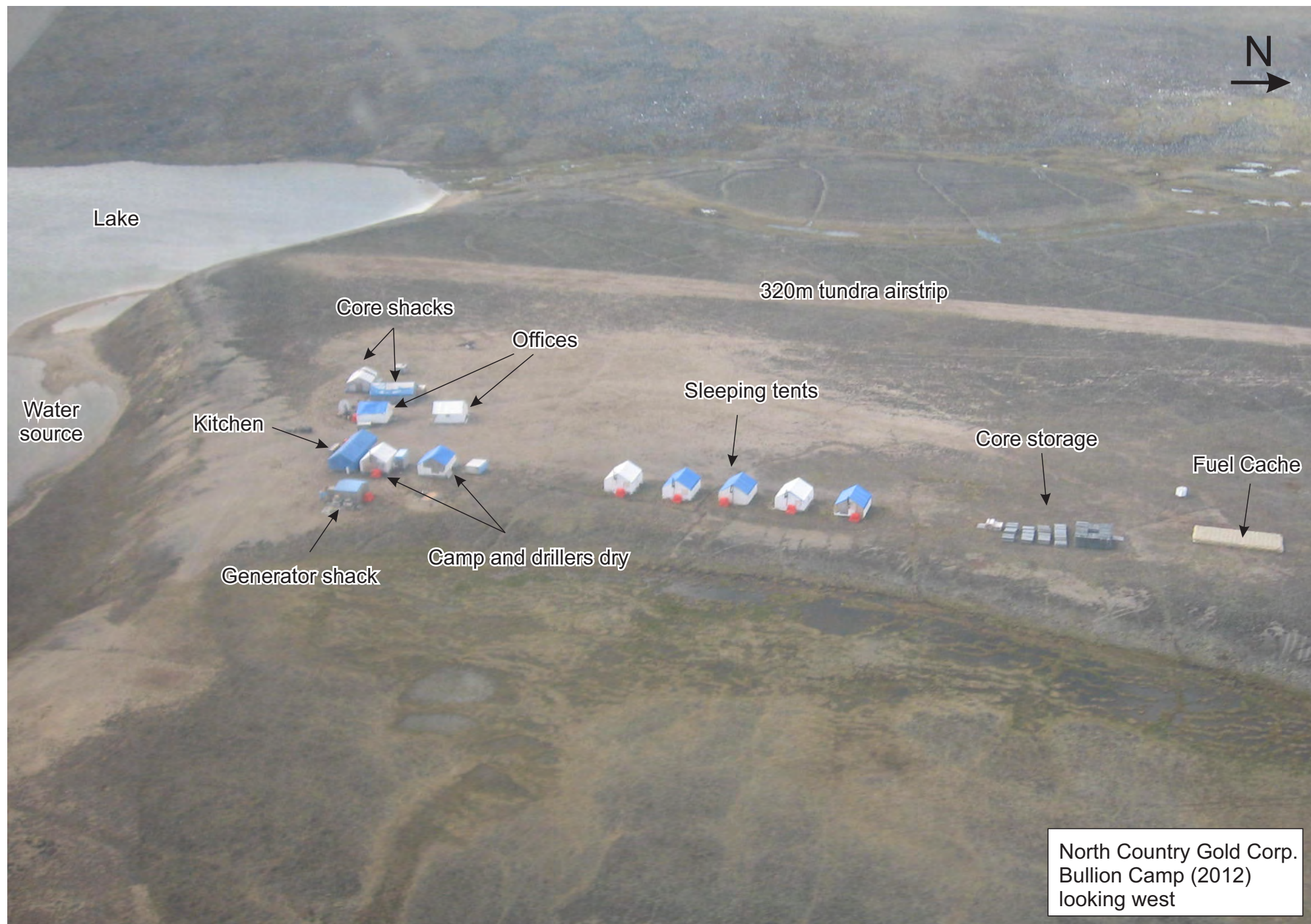
North Country Gold Corp.

Committee Bay Project, Kitikmeot Region, Nunavut

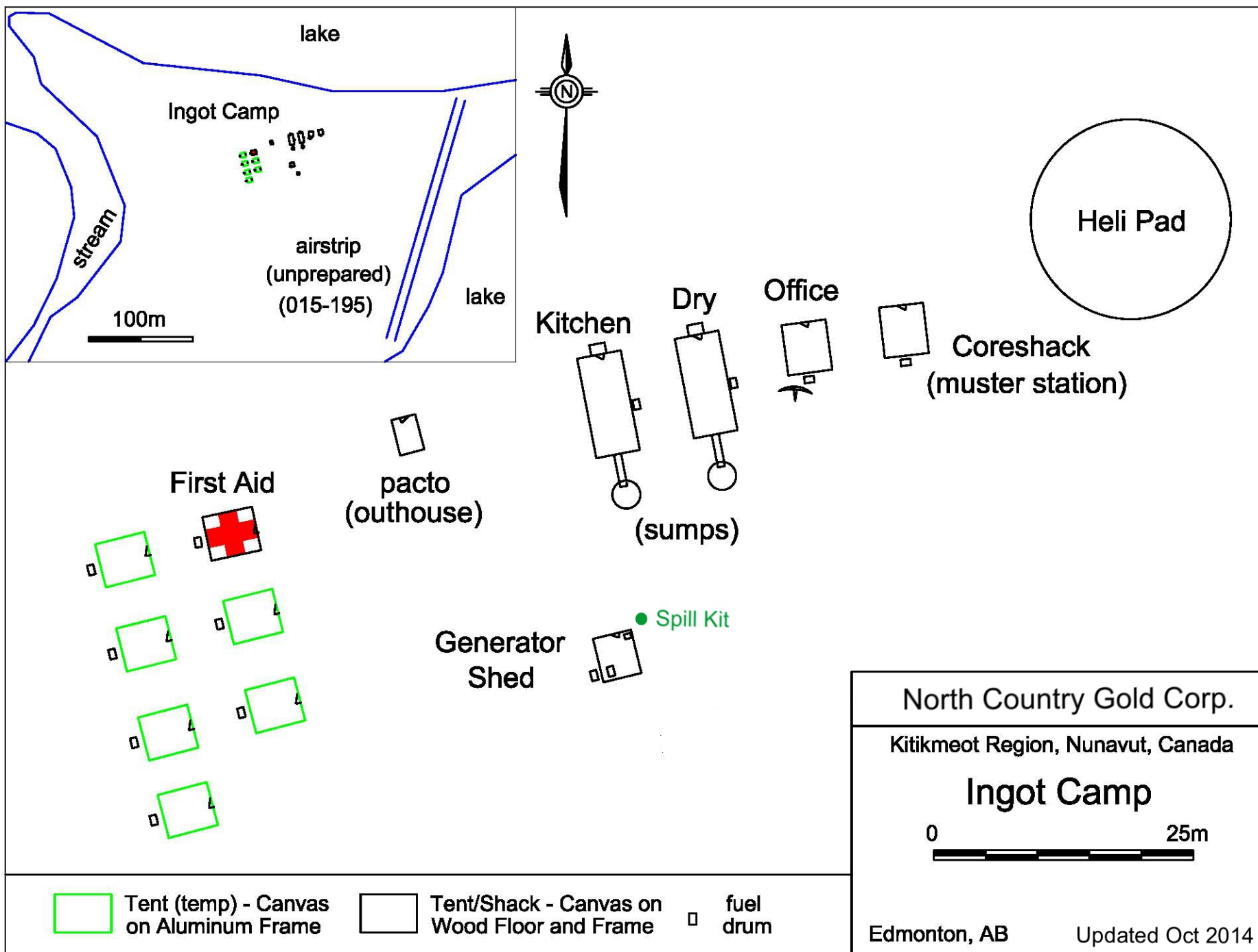
**Bullion Camp**



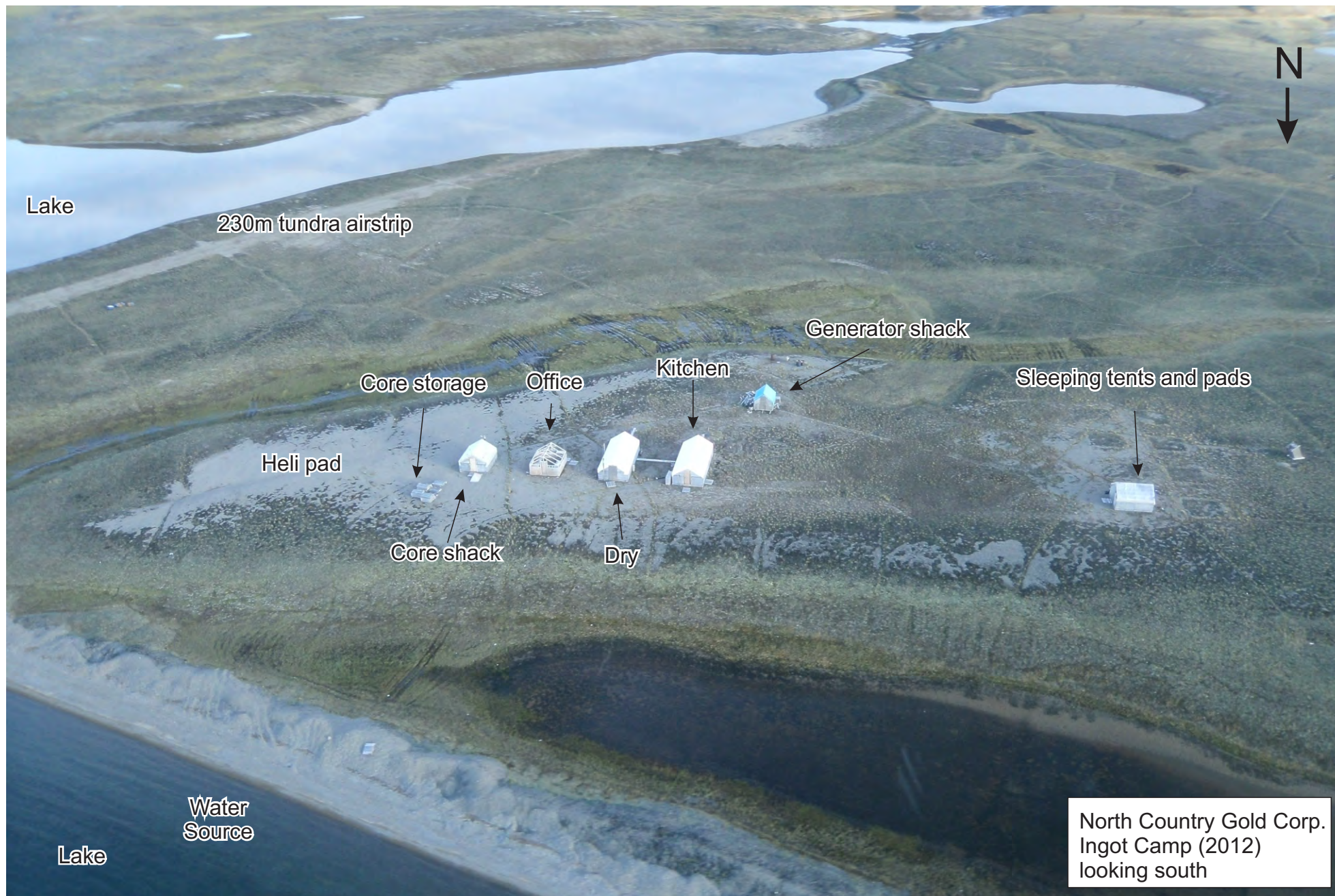




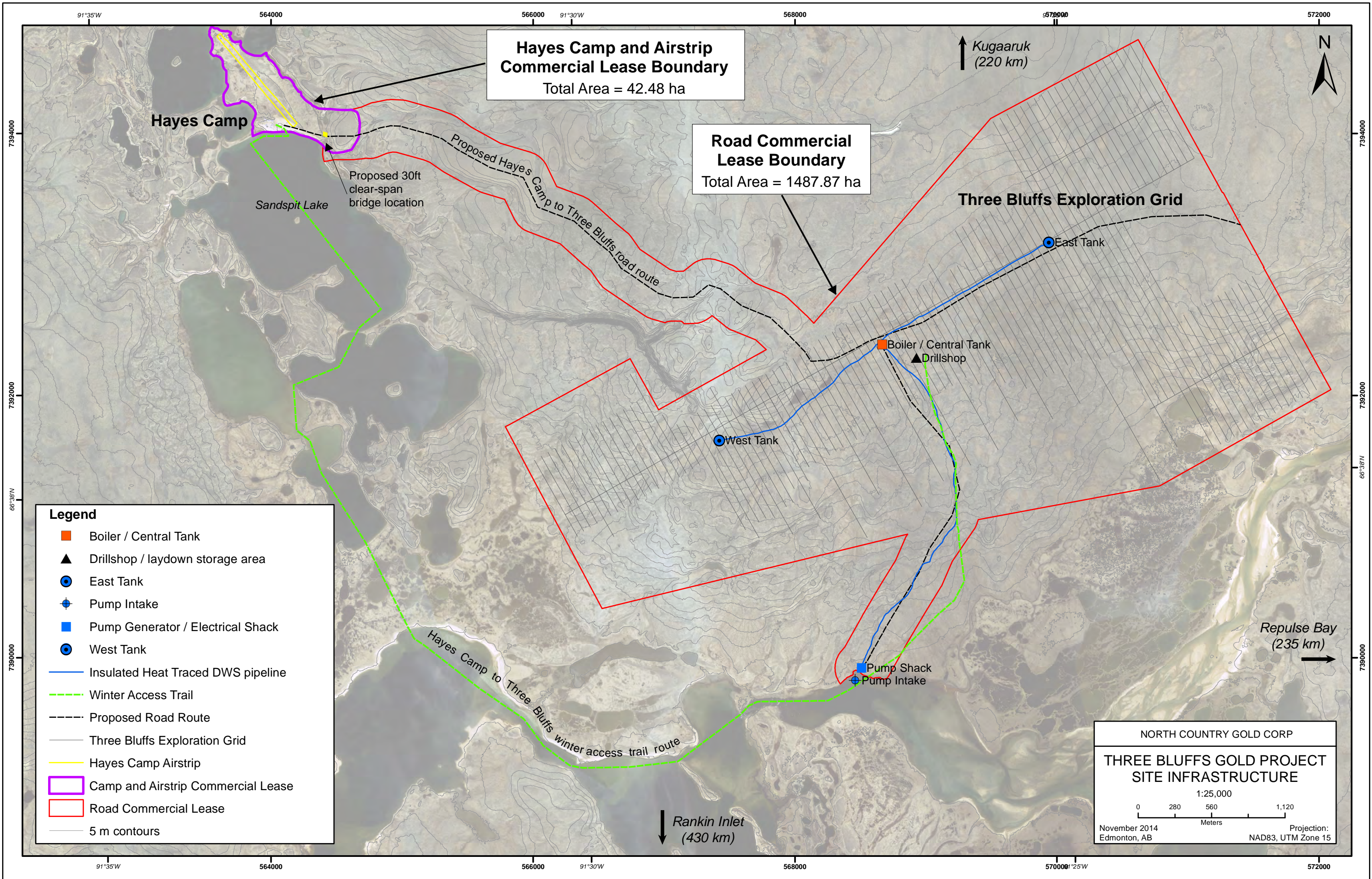
North Country Gold Corp.  
Bullion Camp (2012)  
looking west











**Hayes Camp and Airstrip  
Commercial Lease Boundary**  
Total Area = 42.48 ha

**Road Commercial  
Lease Boundary**  
Total Area = 1487.87 ha

**Three Bluffs Exploration Grid**

**Hayes Camp**

Sandspit Lake

Proposed 30ft  
clear-span  
bridge location

Proposed Hayes  
Camp to Three Bluffs road route

West Tank

Boiler / Central Tank  
Drillshop

East Tank

Pump Shack  
Pump Intake

Hayes Camp to Three Bluffs winter access trail route

Rankin Inlet  
(430 km)

Kugaaruk  
(220 km)

Repulse Bay  
(235 km)

**Legend**

- Boiler / Central Tank
- Drillshop / laydown storage area
- East Tank
- Pump Intake
- Pump Generator / Electrical Shack
- West Tank
- Insulated Heat Traced DWS pipeline
- Winter Access Trail
- Proposed Road Route
- Three Bluffs Exploration Grid
- Hayes Camp Airstrip
- Camp and Airstrip Commercial Lease
- Road Commercial Lease
- 5 m contours

NORTH COUNTRY GOLD CORP

THREE BLUFFS GOLD PROJECT  
SITE INFRASTRUCTURE

1:25,000

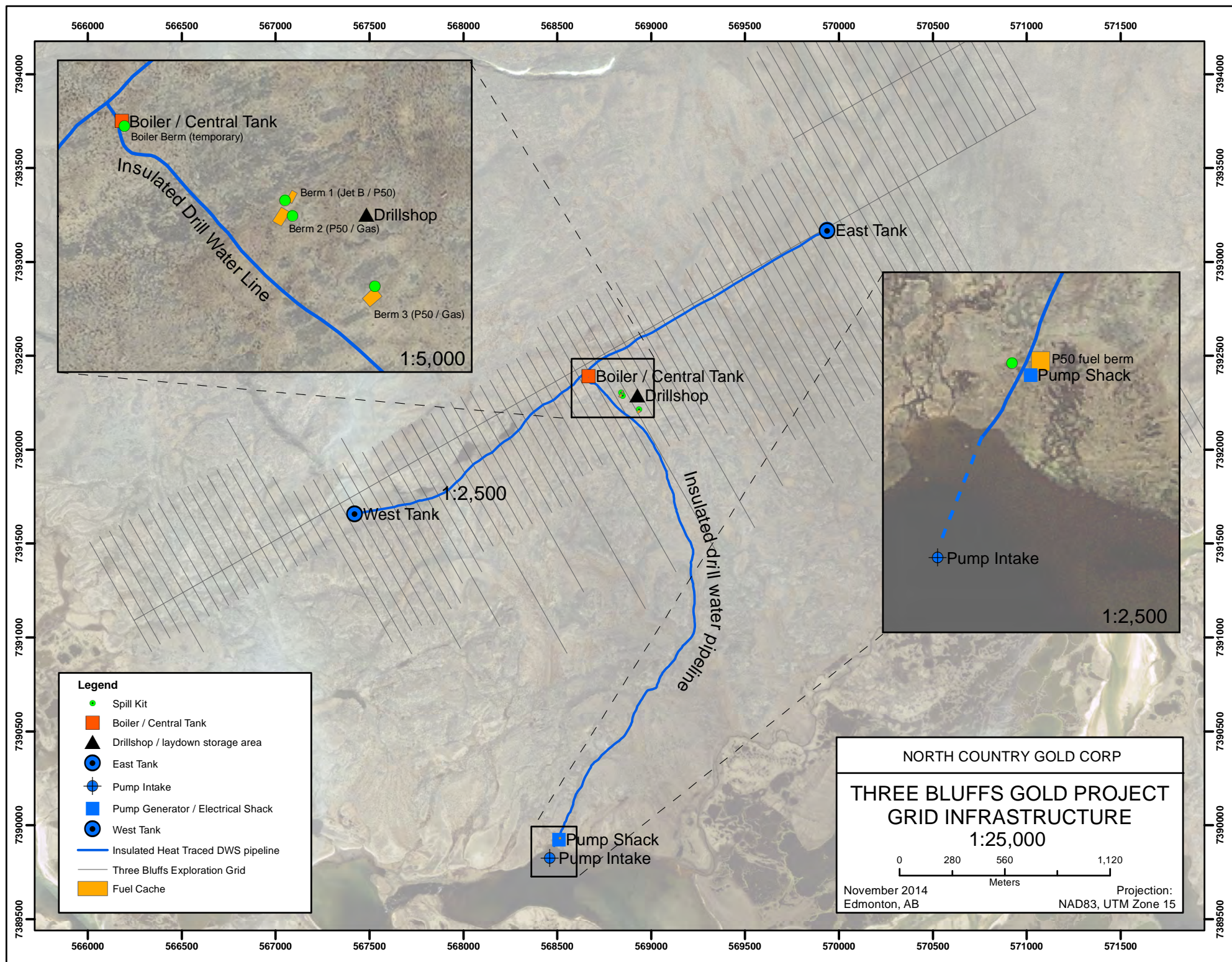
02805601120

Meters

November 2014  
Edmonton, AB

Projection:  
NAD83, UTM Zone 15







## ***APPENDIX 2***

Hayes Camp – Buildings and equipment

**Table 1 – Structures and Infrastructure currently permitted, approved and onsite**

Quantity	Make	Description	Fuel Type
2	All Weather Shelters	Quonset (100'x40')	N/A
1	MTH Housing	Kitchen Unit (10'x8'x40')	Propane
1	MTH Housing	Washcar Unit (10'x8'x40')	N/A
1	MTH Housing	Washcar/Open Room Unit (10'x8'x40')	N/A
30	Custom built	12'x14' sleeping tent	Diesel
1	Custom built	12'x14' medical tent	Diesel
1	Custom built	12'x14' food storage tent	Diesel
1	Custom built	12'x24' Management office	Diesel
1	Custom built	12'x28' Geology office	Diesel
1	Custom built	12'x14' Logistics office	Diesel
1	Custom built	12'x28' Camp workshop	Diesel
1	Custom built	12'x28' Camp dry	Diesel
1	Custom built	12'x28' Drillers dry	Diesel
1	Custom built	12'x40' Kitchen/dining	Diesel
1	Custom built	12'x60' Core processing tent	Diesel
1	Weatherhaven	12'x14' Storage weatherhaven	N/A
4	Washroom	4'x4' Pacto unit	N/A
4	Sea container	8'x8'x20' sea container	N/A
1	Sanitherm	Internal Membrane Waste Water Treatment System	N/A
2	Enviro	35k litre double walled fuel tanks	Diesel
2	CAT	XQ 230 230k Generators	Diesel
1	Ketek/Westland	CY2050-CA incinerator	Diesel
1	Tidy Tank	500 litre double walled fuel tank - Incinerator	Diesel

**Table 2 – Structures and Infrastructure currently permitted, approved but yet to be moved to site**

Quantity	Make	Description	Fuel Type
2	Enviro	Skid mounted 35k litre double walled fuel tanks	Diesel
2		Explosive Magazines (Sea Cans)	

**Table 3 – Vehicles and Heavy Equipment currently permitted, approved and onsite**

Quantity	Make	Description	Fuel Type
1	Caterpillar	140H Grader	Diesel
1	Caterpillar	289C Skid Steer Loader	Diesel
1	Caterpillar	320 DL RR Excavator	Diesel
1	Caterpillar	730 Articulating Dump Truck	Diesel
1	Caterpillar	CS563E Packer	Diesel
1	Caterpillar	D6NLGP Dozer	Diesel
1	Caterpillar	D6R XL PAT Dozer	Diesel
1	Caterpillar	IT 24 F Loader	Diesel
1	John Deere	640D Skidder	Diesel
1	Westpro	PCU1030 Portable Crushing Unit	Diesel
1	Dodge	Ram 4x4 pickup	Diesel
1	Ford	F450 4x4 Service Truck	Diesel
1	GMC	Sierra 4x4 pickup	Gasoline
2	Kubota	RTV1140P 4x4 ATV	Diesel
1	All Track AT80HD	All track utility vehicle	Diesel
2	Hagglund BV206	Tracked Personnel carrier	Diesel
1	Magnum Pro	MLT5080 Lighting Plant	Diesel
1	Ingersoll Rand	Lighting Plant	Diesel
8	Polaris	Polaris LXT 136 Snowmobile	Gasoline
2	Skidoo	GTSP 55 Snow Machine	Gasoline
2	Skidoo	Skandic Wide Track 550 Snow machine	Gasoline
5	Yamaha	Bravo Snow Machine	Gasoline

**Table 4 – Large Equipment currently permitted and approved but yet to be moved to site**

Quantity	Make	Description	Fuel Type
1		Screening Plant	
1		Fuel Services Truck	
1	Caterpillar	730 Articulating Dump Truck	Diesel
1		Blasting Mini Rig	

**Table 5 – Diamond and RC Drilling equipment currently permitted, approved and onsite.**

Quantity	Make	Description	Fuel Type
5	Irving Machine	Drill shack	N/A
5	Irving Machine	Rod Sloop	N/A
5	Irving Machine	Pump Shack	N/A
5	Zinex	A5 B20 Core Drill heli/skid shack portable	Diesel
	Miscellaneous	Drill spares/pumps/parts	
2	CAT	XQ80 80k Generators	Diesel
2	CAT	XQ60 60k Generators	Diesel
2	Enviro	2000 litre Double walled fuel tanks	Diesel
1	Drill water system	Pumping station, insulated pipeline, water storage tanks, boiler	Diesel

**Table 6 – Diamond and RC Drilling Equipment currently permitted and approved but yet to be moved to site.**

Quantity	Make	Description	Fuel Type
2	Zinex	A5 B20 Core Drill and pump shacks	Diesel
2	Northspan	Super Hornet Reverse Circulation drills	Diesel

**Table 7 – Air Transport Equipment**

Type	Make	Description	Fuel
Fixed Wing	de Havilland	DHC-6 Turbo Otter	Diesel/Jet turbine
Fixed Wing	de Havilland	DHC-6 Twin Otter	Diesel/Jet turbine
Fixed Wing	de Havilland	DHC-5 Buffalo or similar	Jet turbine
Fixed Wing	Lockheed	C130 Hercules	Jet turbine
Fixed Wing	Boeing	737-200	Jet turbine
Fixed Wing	Convair	580	Jet turbine
Helicopter	Bell	206LR/L3/L4 H	Jet turbine
Helicopter	Airstar	B2	Jet turbine

### ***APPENDIX 3***

Wildlife sighting forms

## Incidental Wildlife Sighting / Sign Form

(please fill in as much information as possible)



**NORTH COUNTRY GOLD**  
NCG: TSX-V

(space is provided on the reverse for an illustration of the wildlife's location and activity along with additional space for notes and/or a description of the wildlife "sign" observed)

### 1. What was sighted?

a. Species sighted: \_\_\_\_\_  
(see Common Species List on reverse)

b. How many in each group?:

Age		Sex	
	Adult		Male
	Sub-Adult		Female
	Yearling / newborn		Unknown
	Unknown		

### 2. When was the sighting?

a. Date (MM/DD/YY): \_\_\_\_\_

b. Time (exact or approximate): \_\_\_\_\_

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Day	Night	Dusk	Dawn

c. Description (e.g. any notes on species, size, color, antlers, etc.): \_\_\_\_\_

d. Behaviour - Please provide a description of the animals' behaviour. What was it / were they doing? How long? etc.

e. Was the individual / group sighted over a period of time? ☐ Yes ☐ No If so, for how long? \_\_\_\_\_

f. Was any action taken? ☐ Yes ☐ No If so, what? \_\_\_\_\_

### 3. Where was the sighting?

a. GPS Coordinates: \_\_\_\_\_ b. Datum: \_\_\_\_\_

c. Was sighting within camp? ☐ Yes ☐ No d. If not, how far from camp boundary? \_\_\_\_\_

e. Please describe the location (e.g. "on hill next to cook's tent"), as well as the direction the wildlife was traveling:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 4. Weather Conditions:

Snowfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy	Rainfall	<input type="checkbox"/> Light <input type="checkbox"/> Moderate <input type="checkbox"/> Heavy
Wind	<input type="checkbox"/> Breeze <input type="checkbox"/> Moderate <input type="checkbox"/> Strong	Sky	<input type="checkbox"/> Clear Sky <input type="checkbox"/> Partly Cloudy <input type="checkbox"/> Overcast

Recent Conditions: \_\_\_\_\_

f. Was a photo taken? ☐ Yes ☐ No

Photo (file) name/number: \_\_\_\_\_

Observed by: \_\_\_\_\_

**Illustration:**

(please indicate scale and north direction)

**Common Species:**

Ptarmigan  
Snowy Owl  
Falcon/Eagle  
Goose  
Duck  
Loon

Arctic Hare  
Sik Sik (Arctic Ground Squirrel)  
Lemming

Caribou  
Musk Ox

Fox  
Wolverine  
Arctic Wolf  
Bear  
(Polar or Barren-lands Grizzly)

**Additional Information / Description of Wildlife "Sign":** \_\_\_\_\_

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