

## <u>Detailed Exploration Plan and Schedule</u> <u>Committee Bay Project, Three Bluffs Deposit</u>

By North Country Gold Corp

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In 2011, North Country Gold Corp. is planning to spend up to \$20 million on an extensive exploration program at its properties along the Committee Bay greenstone belt, located northeast of Baker Lake, Nunavut. The planned 2011 exploration program is anticipated to comprise up to 60,000m drilling, a geological mapping program (at scales of 1:10,000 to 1:30,000), a till (frost boil) geochemical sampling program, reconnaissance prospecting (rock sampling), gridding and ground geophysical surveying, airborne geophysical surveying and and staking. A full baseline environmental program will also commence in 2011.

The planned 2011 exploration program is logistically complex and will comprise winter (Phase 1) and summer (Phase 2) work programs. Phase 1 will comprise equipment mobilization, and drilling at the Three Bluffs deposit and airborne/ground geophysical surveying. The remainder of the work described above, including drilling, will be conducted during the summer (Phase 2) work program.

## **2011 PHASE 1**

#### **Open Camp and Ice Airstrip Preparation**

15 March, 2011 - 30 March, 2011

It is currently anticipated that the Phase 1 program will commence in March of 2011 with the mobilization of a crew to Hayes Camp that will open camp and prepare an icestrip on Sandspit Lake beside camp. The ice-strip, as in previous years, will be suitable for landing aircraft as large as First Air's C-130 Hercules that will be utilized to position the majority of the equipment, fuels and supplies required for the 2011 program. Ice airstrip preparation will be performed using the John Deere Skidder, Caterpillar D6N dozer and Caterpillar IT24 front end loader that are already on-site.

## **Equipment Mobilization**

30 March, 2011 – 30 May, 2011

The Hercules mobilization is planned for late March through May, 2011. The highest priority items that need to be delivered first will be the equipment for the drill water system, heavy equipment for proposed earthworks, fuel, a new wastewater treatment plant, a new potable water treatment plant and a new incinerator. These items will be

closely followed by the generators and camp construction materials, drills and other supplies. Other aircraft may be utilised during this time to compliment the Hercules. The heavy equipment already on site will be utilized to maintain the ice-strip and move goods from the ice in to camp. The loader will be used to load/unload the planes and will stay at the strip location at all times. Drummed fuel, and any other potentially hazardous supplies arriving via the Hercules, will be removed from the ice as quickly as possible. Occasional Twin Otter flights may also be used at this time for supplying food and other supplies from local communities as well as moving people in and out of the Hayes camp. These flights will occur every 1 to 2 days.

The temporary winter road (trail) route will be staked and flagged as in previous years (see map). The D6 CAT, or other suitable machinery, will be used to haul the heavier parts of the new drill water supply system (i.e. generator) and new drills to the Three Bluffs area. Helicopters will also be used to place equipment appropriately.

## **Drill Water System Construction**

April 4, 2011- May 17, 2011

The new water system at the Three Bluffs site will supply the diamond drills with a reliable source of water. The system will comprise a generator, pump and heat source at a draw point along the Hayes River that will pump heated water along a heat traced HDPE pipe to at least 1, and possibly 3, storage tanks located on the grid. The water tanks will be placed strategically to allow for maximum water supply across the area (see map).. Locally, the main HDPE pipe may require cribbing to maintain a consistent gradient in the pipe. Water will be supplied to individual drills from the storage tanks on the grid via traditional 1" driller's water lines utilizing pumps and coil stoves for additional heating where necessary.

## **Existing Airstrip Grading and Lengthening**

1 April, 2011 - 31 July 2011

Lengthening of the existing airstrip at Hayes Camp will require the grading and levelling of portions of the esker top and will require the use of the existing CAT D6N dozer and IT loader as well as additional equipment including an excavator, packer, 730AD haul truck, grader, screening plant, and support vehicles.

## **Quarry Material for Airstrip Final Cover Layer**

1 April, 2011 – 31 July 2011

Three small quarry sites have been selected on the esker that NCG proposes to examine in order to extract 5000 cubic metres of coarse material for crushing and spreading as a final cover layer on the graded airstrip. To minimise any potential impacts, catch berms and silt fencing will be utilised where appropriate. The excavator and the Caterpillar 730AD truck will be utilized for the quarry work. The plan is to limit quarrying to an area of approximately 5,000 square metres from which only 1-metre of material will be removed, thus minimizing any impacts on the permafrost. A small screening plant will be used to size the material for use and it will be stockpiled onsite until it is ready to be

used. Once quarrying of this material is completed, the area will be re-sloped using the Caterpillar D6N dozer.

## **Clear Span Bridge Installation**

1 May, 2011 – 1 June, 2011

A small clear span bridge will be installed at the edge the Hayes Camp area to allow equipment and quarrying material to be mobilised to the Three Bluffs site. No in-stream work or supports are planned.

## **Airborne and Ground Geophysics**

1 May, 2011 – 1 June, 2011

Further ground magnetics, gridding and a Quantec (Titan 24) IP survey will be completed in the Three Bluffs area in the spring and early summer.

#### **2011 PHASE 2**

Phase 2 of the 2011 exploration program is expected to commence in mid May and continue to the end of September 2010 and will be based out of the Hayes Camp, as well as possible short term usage of camps at Bullion.

#### **Drilling**

May 15, 2011 – 30 Sept, 2011

Drilling is expected to commence in mid May, starting with 4 diamond drills located at the Three Bluffs deposit. Up to seven diamond drills will be utilized at any one time, including 5 at Three Bluffs and 2 light fly drill rigs for regional exploratory drilling. Infill and extension drilling at Three Bluffs is planned, as well as exploratory drilling for several prospects including, but not restricted to, West Plains, Ghost, Maro, Muskox, Anuri, Raven, Cop, Four Hills, Coyote, Shamrock, and Ridge, Peanut and Inuk. Field work planned for the early summer of 2011 may be successful in identifying further drill targets at several other prospects including Ibex, Cop, Four Hills, Betwixt, Castle Rock and Kinngalugjuaq, Queen, and Kanosak. If exploration results warrant, these prospects may also be drilled in 2010. Camps will be supported throughout the summer by Twin Otter aircraft based in Rankin Inlet and helicopters.

#### **Fieldwork**

July 1, 2011 – 15 Aug, 2011

The field work planned for the 2011 exploration program will include regional mapping, prospecting (rock sampling) and till sampling along with detailed work at several prospects/areas. Detailed work, which may include gridding and subsequent mapping, sampling and ground geophysical surveying, is planned for the Kinng area, and JT areas. Fly camps may be utilized to conduct work in the Kinng Ag, Kinng Au, Kinng Mountain and Ellice Hills areas (northern greenstone belt).

## **Hayes Camp Upgrade Construction**

May 15 - August 30, 2011

Construction of the new upgraded camp facilities at Hayes will begin with some general leveling and grading of the current esker using the Caterpillar D6N dozer, excavator (if needed), grader and packer. The objective of the leveling is to achieve a reasonably level area in which to construct the new camp while minimizing disturbance and maintaining existing drainage patterns. Once a suitable portion of the camp area is leveled, construction of the water treatment system (waster water treatment plant and potable water system will begin. As leveling continues, construction of work area buildings will be possible. Piping and electrical work will also be completed during this construction and will be connected to the new generators once they are on-site, setup, and in operation. A new large, and emissions compliant, incinerator will also be installed.

## Road and potential new 5000 airstrip', site selection, ground truthing and staking July 1, 2011 – 15 Aug, 2011

A road is planned to connect Hayes Camp with the Three Bluffs deposit area. The precise road route will be determined during the summer and will be staked out/surveyed. Volumes of road materials required and the location of possible materials sources will be determined at this time. Construction of the road will involve all of the heavy equipment, the D6N dozer, excavator, packer, 730AD trucks, front end loader, grader, screening plant, and the fuel and mechanics trucks for support.

In addition, a new 1500m (~5000′) airstrip capable of accommodating Hercules aircraft is also planned. The proposed site of the larger airstrip is south of Hayes River and so a bridge crossing will be required to connect the airstrip with the Three Bluffs area and Hayes Camp. The potential site for a bridge crossing of the Hayes River will be thoroughly investigated during the coming summer. Further permitting will be required by NCG for the 5000′ airstrip, along with the connecting road and bridge, once detailed information has been collected during the 2011 season.

## Road Construction (Hayes Camp to Three Bluffs)

Aug 15, 2011 - Sept 30, 2011

If weather and timing allows, relevant heavy equipment will be staged at the head of the proposed road site. Site preparation and grading may begin at this time.

#### **Demobilization and Camp Closure**

September 15, 2011 – Sept 30, 2011

Crews and relevant equipment will be demobilized and Hayes Camp will be fully winterized. Camp is expected to be closed by the end of September.

## **Drilling and Fieldwork**

Up to 60,000m of drilling is expected during the 2012 and 2013 seasons at the Three Bluffs site with up to 7 diamond drills and 2 RC drills. In addition, exploratory drilling at our other prospects may also be required. Fieldwork (sampling, mapping and geophysics) will be ongoing belt wide.

# **Development of Road to Year-Round Hercules Airstrip** – April 2, 2012 through August 30, 2013

Development of the road between the upgraded camp and deposit area and the year-round Hercules airstrip, along with the construction of the larger airstrip itself, is a longer term objective projected for completion within the next two to three years. Construction of the road to the year-round Hercules airstrip will involve all of the heavy equipment, the D6N dozer, excavator, packer, 730AD trucks, front end loader, grader, screening plant, and the fuel and mechanics trucks for support. Precise location of the road will be determined and the cut and fill volumes will be calculated during the summer of 2011.

## **Development of Year-Round Hercules Airstrip**

April 2, 2012 through August 30, 2013

Development of the year-round Hercules airstrip, as discussed above, is a longer term objective, projected for completion within the next two to three years. Like the 900-metre Buffalo airstrip at Hayes Camp, the 1,400-metre airstrip will require the use of the D6N dozer, excavator, packer, 730AD trucks, front end loader, grader, screening plant, and the fuel and mechanics trucks for support. The work will require quarrying and levelling to enable the redistribution of material to provide a fairly level airstrip surface. The screening plant will be used to sort material for the right size classification (3/4") for the final 0.15-metre thick top layer. The year-round Hercules airstrip will provide a year-round transportation capability that will enable the project to receive bulk and oversize supplies year-round and allow for more efficient and safer shift changes of camp personnel using larger aircraft. A bridge crossing the Hayes River will be installed to connect Hayes Camp, the road via Three Bluffs site, and the new airstrip. Specific details on the bridge will be submitted to the relevant regulatory bodies for approval prior to any commencement of work.