2006 Activities - Supplemental Information for NWB Year-end Report

The following information is provided to supplement the year-end report form for 2006 activities at Cumberland Resources Ltd.'s Meadowbank Project as required under Part B, item 2 of the terms and conditions of NWB Water Use and Waste Disposal License NWB2MEA0507 and the subsequent amendment 2BB-MEA0507.

Summary of water use and waste disposal activities at the Meadowbank site for 2006:

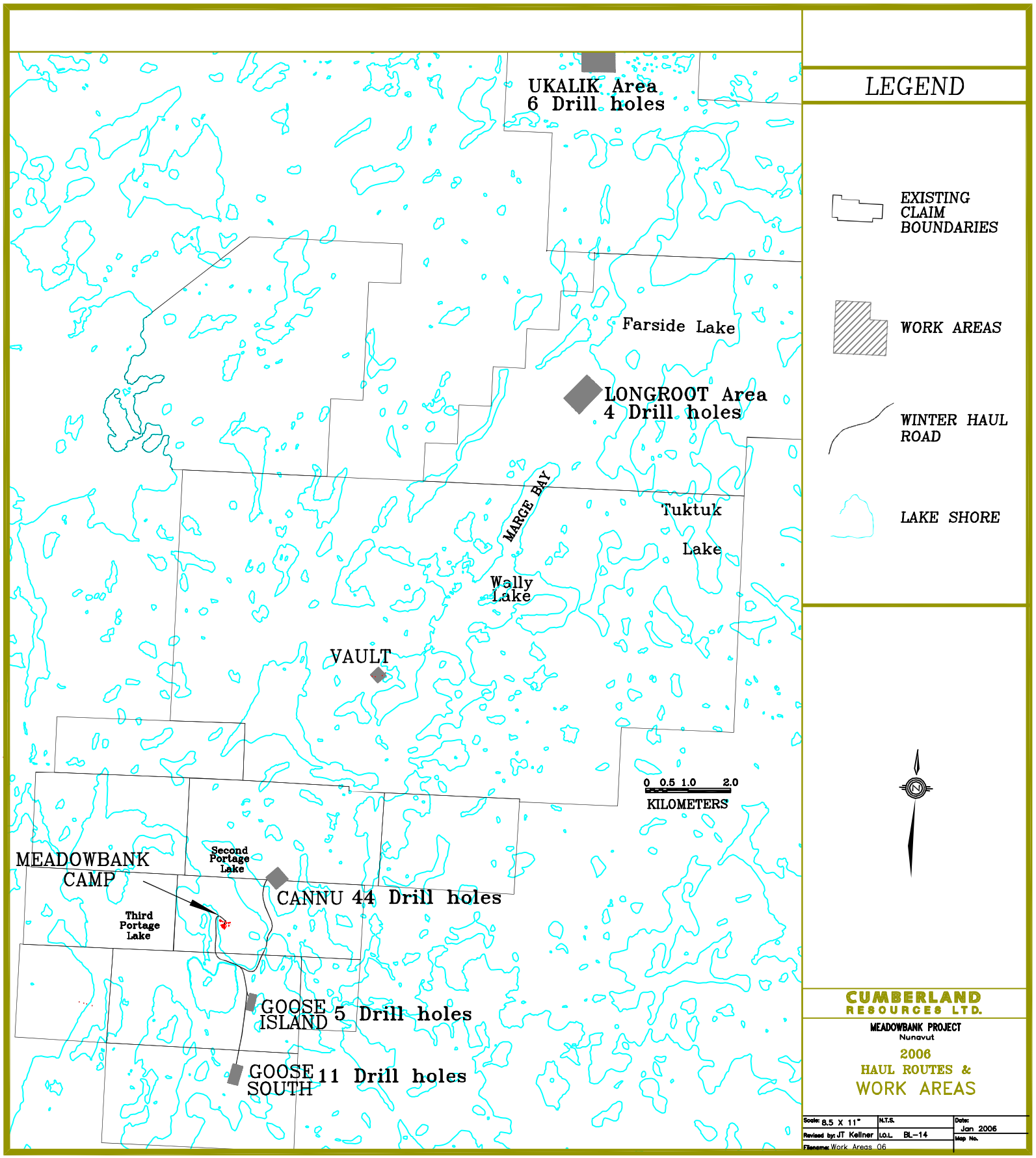
Water is used for both domestic and industrial purposes at the site. Domestic uses include: water required for cooking, cleaning, showers, etc. and averaged 2.4 m^3 per day (US gallons) sourced from Third Portage Lake. A water flow meter, which measures the volume of domestic water used, was been purchased and installed for use in 2006. This meter provides a quantitative measurement of the volumes of raw water pumped from the source. The camp facilities were in operation for approximately seven months during 2006. Total domestic water usage for 2006 equalled 432.13 m^3 for the year.

The water required for drilling operations is currently the only industrial water use at the site. Drilling utilizes approximately 27.5 m^3 per day per drill unit. Water required for drilling is sourced from lakes proximal to drill sites. All intake hoses have screens installed to prevent the entrapment of fish. The 2006 drill program was conducted in two phases. The phase I spring program utilized three drill rigs between April 10 and May 27; this equates to 110 drill days @ 27.5 m^3 per day, which equals 3,025 m^3 of raw water used. The phase II summer program utilized two drill rigs between June 29 and Sept. 8; this equates to 116 drill days @ 27.5 m^3 per day, which equals 3,190 m^3 of water used. Therefore, the total volume of raw water used in 2006 including both domestic and industrial purposes amounted to 6,647.13 m^3.

The raw water used during the 2005 program was sourced from several different lakes: Second Portage (drilling), Third Portage (drilling and domestic use), T-Bone Lake (Ukalik drilling) and Farside Lake (Longroot Drilling). In total, approximately 2,750 m^3 of water was sourced from Second Portage Lake, 2,165 m^3 of water was sourced from Third Portage Lake, 633 m^3 from T-Bone Lake and 468 m^3 was sourced from Farside Lake. See figure 1 below for a map showing the location of the drill areas.

Summary of water use and waste disposal activities at the Meadowbank site for 2006:

All solid waste, along with combustible garbage, is burned in diesel-fired incinerators on site and all residue from incineration and non-combustible refuse is sent to the land fill in Baker Lake for disposal. Grey water from camp operations (domestic uses) is deposited in a natural depression near the kitchen building. A grease trap has been installed in the drain line which removes the majority of the kitchen grease prior to release into the sump. It is estimated that 345.7 m^3 of grey water was deposited in the sump in 2005 (80% of the water intake). Drill water (for lake holes) is returned to the lake, after the removal of drill cuttings in a settling barrel, or is deposited in a natural depression on land.


UKALIK Area
6 Drill holes
Farside Lake
LONGROOT Area
4 Drill holes
MARGE BAY
Tuktuk
Lake
Wolly
Lake
VAULT
0 0.5 1.0 2.0
KILOMETERS
MEADOWBANK
CAMP
Second
Portage
Lake
Third
Portage
Lake
CANNU 44 Drill holes
GOOSE
ISLAND
5 Drill holes
GOOSE
SOUTH
11 Drill holes
LEGEND
EXISTING
CLAIM
BOUNDARIES
WORK AREAS
WINTER HAUL
ROAD
LAKE SHORE
CUMBERLAND
RESOURCES LTD.
MEADOWBANK PROJECT
Nunavut
2006
HAUL ROUTES &
WORK AREAS
Scale: 8.5 X 11"
N.T.S.
Date:
Jan 2006
Revised by: JT Kellner
L.O.L. BL-14
Map No.
Filename: Work_Areas_06

Progressive Reclamation Work Undertaken:

Reclamation of the South Camp at Meadowbank was essentially completed in 2006. During the summer season, all of the remaining drilling supplies and equipment were relocated in the north camp. The only structures that remain at the site are the core shack and drill core storage racks. The core shack will be left intact at the site to facilitate processing of core from the racks, if required, and to provide a refuge station in the event of emergency.

Several photos of the south camp, taken this past summer, are included below. Photo A shows an aerial shot of the south camp during the summer of 2006, photo B shows a close up of the camp site, particularly the location of the old office and photo B shows the previous location of the 50,000 litre fuel tanks which were relocated to the north camp

Construction of the foundation for the 5 million litre fuel tank:

Construction of the foundation for the 5 million litre fuel tank was initiated during the summer of 2006 under an amendment (2BB-MEA0507) to the existing NWB License. During the summer program at the site, a small quarry was established and material was blasted and crushed for use as a foundation material for the tank pad.

The gravel pad for the tank was laid down and the high density polyethylene liner was installed on top. The remainder of the required foundation work and the erection of the steel for the tank will be completed during work at the site in 2007. Also during the summer months surfacing of the airstrip was continued, utilizing crushed gravel from the quarry site. By the end of the 2006 construction season, approximately 1000 feet of the airstrip had been surfaced with crushed gravel. Further work will be conducted to complete the strip in 2007. An as-built drawing showing the location of the airstrip, quarry site and fuel tank foundation is provided in figure 2 below, followed by an aerial photo of the area.

Photo A - Aerial view of South Camp
Summer 2006

Photo B - South Camp - Office Location

Photo C - South Camp - Old Fuel Tank Location

7214500 mN
7214000 mN
7213500 mN
637500 mE
637000 mE
638000 mE
638500 mE

COLLECTOR DITCH
SETTLING POND
CUT
FILL
INTERCEPT DITCH
PIONEER AIRSTRIP ~764 m
NO. 154
SLOPE 0 %
BORROW AREA
WASTE PILE
COLLECTOR DITCH
SETTLING POND
BORROW AREA
SETTLING POND
CRUSHER
CUT
FILL
COLLECTOR DITCH
638355.565 E
7214219.309 N
SETTLING POND
COLLECTOR DITCH
SETTLING POND
CORE SHACK
COVERALL
FUEL STORAGE
KITCHEN
SLEEP TENTS
Natural Drainage
SETTLING POND
SETTLING POND
SETTLING POND
Natural Drainage
SETTLING POND

Second Portqage Lake

Third Portage Lake

0 50 100 200
metres

LEGEND
LAKESHORE
BUILDING
CONTOUR
ROAD
SETTLING POND
DRAINAGE DIRECTION

AIRSTRIP
SECOND PORTAGE LAKE
THIRD PORTAGE LAKE

CUMBERLAND RESOURCES LTD.
Meadowbank Gold Project
Nunavut
Fuel Tank Access Road & Pioneer Airstrip
Jul, 2006

> CRUSHING PLANT AND QUARRY OPERATIONS