

## **RE: NWB - Description of 2009 Exploration Activities and Site Reclamation**

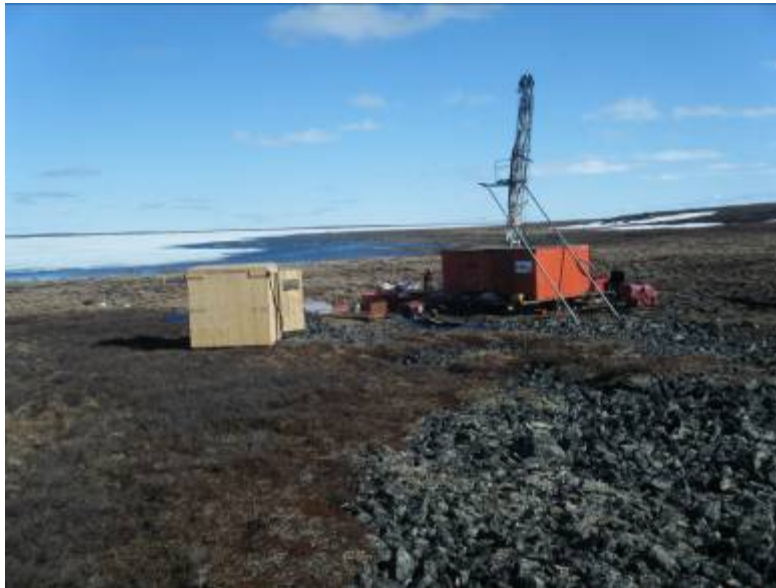
Turqavik – Aberdeen Projects 2009 field season lasted from April 28<sup>th</sup> to September 6<sup>th</sup> with the drilling program starting on June 8<sup>th</sup> and ending on August 12<sup>th</sup>. The exploration program included diamond drilling, prospecting, mapping and sampling, and ground gravity geophysical survey. Details of the water intake techniques, water monitoring and waste management at the camp, as well as at the drill sites, are described in the Annual Report. The following is a brief description of the work conducted at each drill site with photographs of site conditions before, during, and after completion of all operations. Sixteen drill holes were completed as part of the reconnaissance drilling program. ABR-003 to ABR-008 were drilled on the Aberdeen Project, and TUR-006 to TUR-013B were drilled on the Turqavik Project.

The majority of the figures are pre-drilling photos because we never had a chance to photograph most of the drill holes after drilling. We will photograph the sites in 2010 and provide them in the 2010 Annual Water Report.

### **ABR-003**

*Location - Latitude: 64°9'55.9"; Longitude: 98°30'22.3"*

Drilling of ABR-003 continued from June 14<sup>th</sup> to 16<sup>th</sup>. The water pump was located approximately 95 m away from the drill. The two figures demonstrate the condition of the site during drilling immediately after it began, and after drilling completed.



**Figure 1.** Overview of the drill in progress at the site of ABR-003 and the lake from which water was pumped. Photo is looking to the south.



**Figure 2.** Location of ABR-003 is marked by the stake with pink flagging, and in the background to the east is the lake that supplied water.

#### **ABR-004**

*Location - Latitude: 64°18'41.9"; Longitude: 98°25'13.2"*

Drilling of ABR-004 continued from June 17<sup>th</sup> to 19<sup>th</sup>. The water line for the pump to the nearest large lake was approximately 265 m long. Melting of the snow in the area lasted throughout June and the figure demonstrates the wet site conditions before drilling started.



**Figure 3.** The two front-sights (stakes with pink and green flags) mark the location and azimuth for ABR-004. Photo is taken before drilling at the site began. The photo is looking northwest.

### **ABR-005A and ABR-005B**

*Location - Latitude: 64°18'34.7"; Longitude: 98°25'36.0"*

ABR-005 is located approximately 380 m to the southwest of ABR-004 with the water line extending for approximately 245 m. Drilling of ABR-005 began on July 5<sup>th</sup>. After intersecting an interval of intense fracturing the drill hole was abandoned on July 7<sup>th</sup>. It was decided to re-drill to the originally estimated drill hole depth at a slightly shallower angle. Drilling of ABR-005B completed on July 11<sup>th</sup>.



**Figure 4.** The site of ABR-005 and ABR-005B shortly after the location was identified. The three front-sights, stakes with green and pink flagging, mark the location and azimuth of the drill hole.

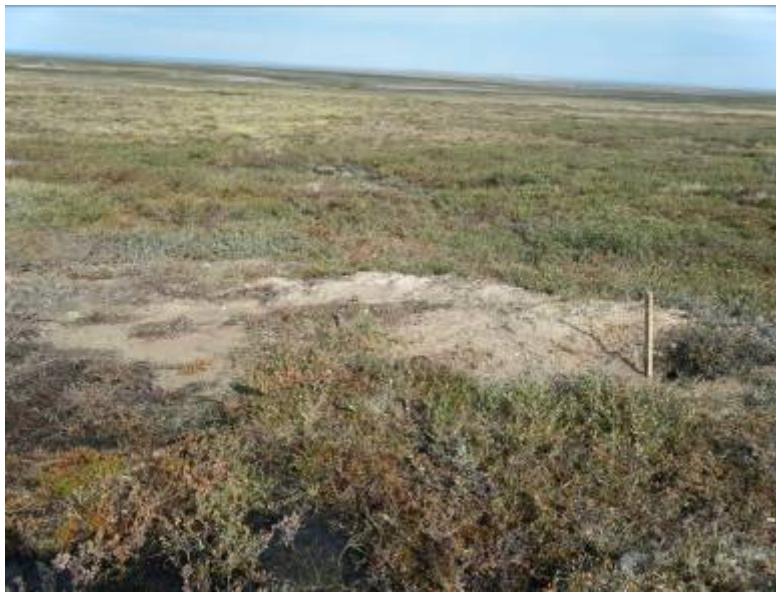
### **ABR-006**

*Location - Latitude: 64°19'8.6"; Longitude: 98°20'41.6"*

Drilling at the site of ABR-006 continued from July 11<sup>th</sup> to 14<sup>th</sup>. The water line for the pump was approximately 1,300 km because of the distant location to the nearest large lake.



**Figure 5.** Overview of ABR-006 drill site before drilling began. The location of the drill hole is marked by a stake with green flagging. The photo is looking to the southwest, in the direction of the lakes from which the water was drawn.



**Figure 6.** Overview of ABR-006 after drilling completed.

### **ABR-007**

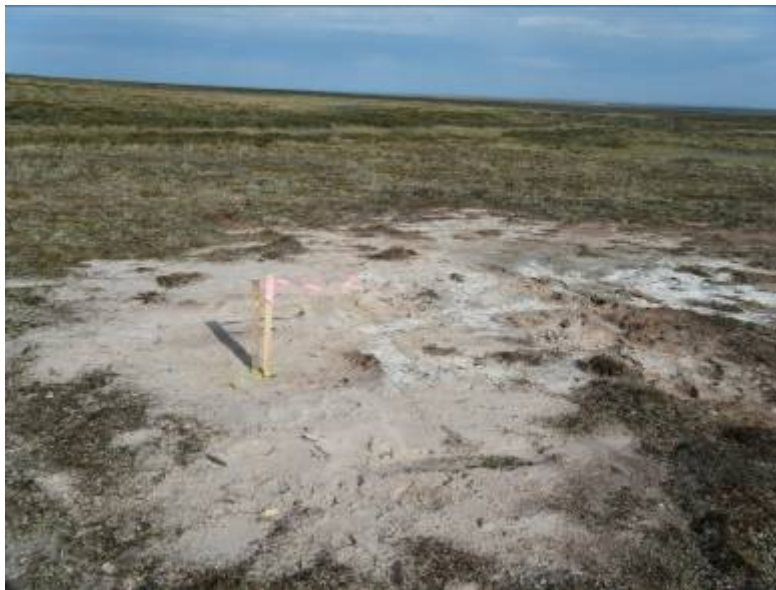
*Location - Latitude: 64°19'19.6"; Longitude: 98°21'8.9"*

Drilling of ABR-007 continued from July 14<sup>th</sup> to 17<sup>th</sup> being located 500 m to the northwest of ABR-006. The nearest lake for the water source is located approximately 1,450 m away to the northeast. The following figures demonstrate the conditions of the site before and after drilling completed.





**Figure 7.** The location of ABR-007 is near a long extensive system of sandy eskers that are seen in the distance. The photo is looking to the southeast with the pink front-sights in the background indicating the azimuth of the drill hole.

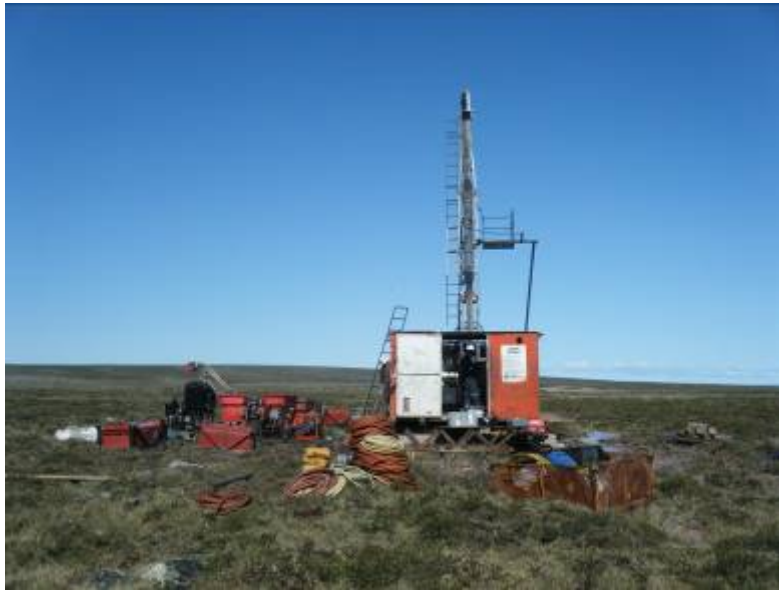


**Figure 8.** Overview of the site of ABR-007 after drilling completed. The majority of the light coloured sediment is minor remobilized sand from the sandy soil in the area and not drill cuttings. See esker in previous photo to get a sense of the terrain type.

### **ABR-008**

*Location - Latitude: 64°20'46.4"; Longitude: 98°18'17.0"*

Drilling of ABR-008 continued from July 18<sup>th</sup> to 23<sup>rd</sup> and the water line for the pump was approximately 400 m long. The following figure is an overview of the site during drilling.

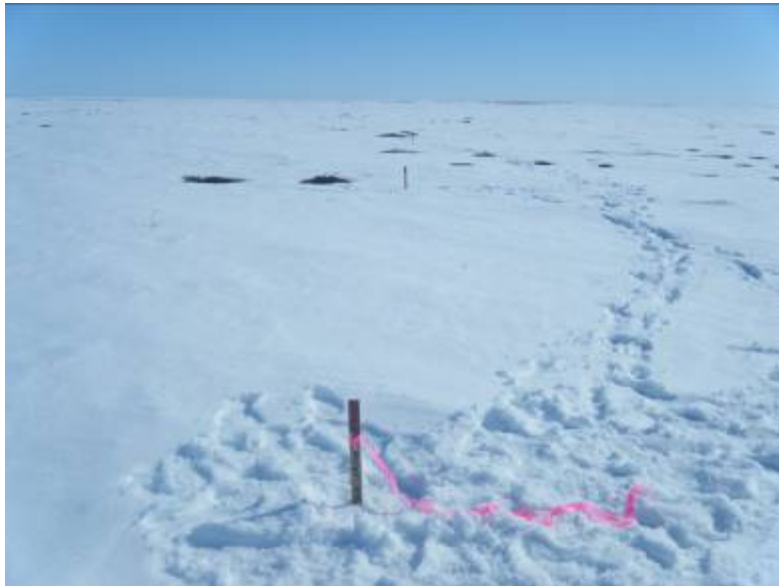


**Figure 9.** The photo is taken during drilling of ABR-008.

### **TUR-006**

*Location - Latitude: 64°20'39.7"; Longitude: 97°58'58.0"*

Drilling of TUR-006 continued from June 8<sup>th</sup> to 12<sup>th</sup>. The nearest large enough lake for the water source is located approximately 530 m to the southwest. The following figures demonstrate the conditions of the site before, during and after drilling completed.



**Figure 10.** Location of TUR-006 immediately after the site was marked. The three front-sights, stakes with pink flagging, mark the location and azimuth of the drill hole.



**Figure 11.** Overview of drilling in progress at TUR-006. All fuel is stored in double-walled metal containers.



**Figure 12.** TUR-006 after drilling completed.

### **TUR-007**

*Location - Latitude: 64°23'33.3"; Longitude: 97°8'34.5"*

Drilling of TUR-007 continued from June 20<sup>th</sup> to 24<sup>th</sup>. The nearest large lake for the water source was located approximately 1,300 m to the southeast. We have no pre-photo of this site.

### **TUR-008**

*Location - Latitude: 64°23'33.5"; Longitude: 98°7'36.6"*

TUR-008 is located 775 m to the east of TUR-007, closer to several small lakes. The water line for the pump was approximately 590 m. Drilling of TUR-008 continued from June 24<sup>th</sup> to 27<sup>th</sup>.



**Figure 13.** Overview of TUR-008 while drilling is still in progress. Core boxes are heli-transported in a metal basket seen in the foreground.

### **TUR-009**

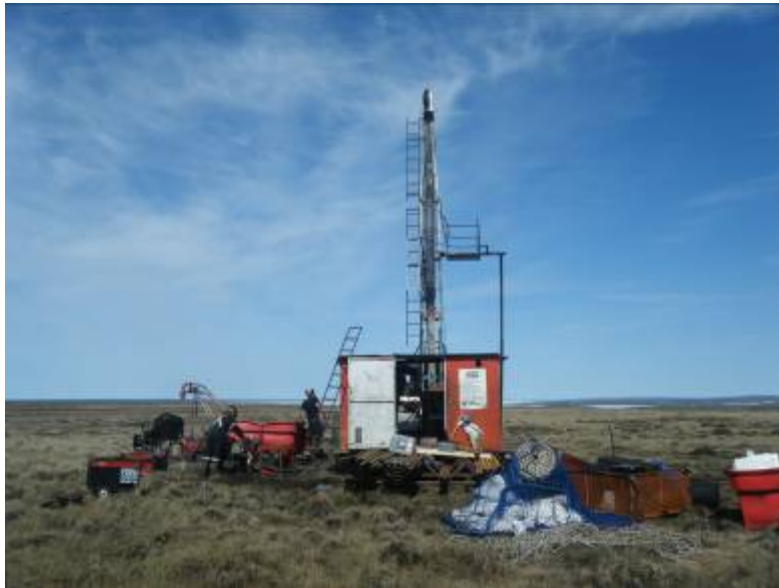
*Location - Latitude: 64°24'17.4"; Longitude: 98°8'42.5"*

TUR-009 is located 1,370 m to the north of TUR-007. Drilling at the site continued from June 28<sup>th</sup> to 30<sup>th</sup>. The nearest large lake that provided water for the drill was approximately 250 m to the west. The following figures are of the site before and during drilling.





**Figure 14.** Overview of the site of TUR-009 before drilling. The three front-sights, stakes with pink and green flagging, mark the drill hole location and azimuth.



**Figure 15** Overview of TUR-009 in progress.

### **TUR-010**

*Location - Latitude: 64°24'6.8"; Longitude: 98°4'60.0"*

Drilling of TUR-010 continued from June 30<sup>th</sup> to July 4<sup>th</sup>. The water line for the pump was approximately 500 m. The following is an overview of the site during and after drilling completed.



**Figure 16.** Drill site during the drilling of TUR-010.

### **TUR-011**

*Location - Latitude: 64°22'59.8"; Longitude: 98°7'54.1"*

Work on TUR-011 continued from July 25<sup>th</sup> to 27<sup>th</sup>. The nearest lake for the water source was located approximately 715 m to the east.



**Figure 17.** Overview of the site of TUR-011 after drilling completed.

## **TUR-012**

*Location - Latitude: 64°27'42.3"; Longitude: 98°40'1.8"*

Drilling of TUR-012 continued from July 29<sup>th</sup> to August 2<sup>nd</sup>. A lake that was used for the water source is located 55 m to the west of the drill set-up.



**Figure 18.** Overview of TUR-012 during drilling.

## **TUR-013A and TUR-013B**

*Location - Latitude: 64°29'4.7"; Longitude: 97°31'23.7"*

Drilling of TUR-013 began on August 4<sup>th</sup>, but due to permafrost complications down at 200 m the drill hole had to be abandoned on August 6<sup>th</sup>. TUR-013B was re-drilled in the same location but at a different azimuth to the southeast. Drilling of TUR-013B completed on August 10<sup>th</sup>. The water line for the pump at the TUR-013 location was approximately 300 m long. The following figure shows the pre-drilling conditions of the site.



**Figure 19.** Overview of the site of TUR-013.