Annual Report for Calendar Year 2021

Nunavut Research Licence –01-006-20R-M
Chidliak Environmental Baseline Studies – Peregrine Diamonds Ltd.
Dated: December 31, 2021

Research Licence 01-006-20R-M was granted for a three-year term commencing on December 20, 2018 and terminating on December 31, 2021. The research licence was obtained by Peregrine Diamonds Ltd. a wholly owned subsidiary of De Beers Group. This is the third annual report for this licence.

Research activities are for environmental baseline studies for the Chidliak Project and surrounding area. The Chidliak Project is located on the Hall Peninsula of Baffin Island and is 120 kilometers northeast of the City of Iqaluit and 200 kilometers south of the Hamlet of Pangnirtung. The project is centered at the juncture of four 1:50,000 NTS maps: 26B01, 26B02, 26B07 & 26B08. The Lat/Long WGS84 central coordinate for the project area is Latitude (Y): 64.25 and Longitude (x) -66.50.

In 2021 De Beers continued its environmental baseline work at the Chidliak Project. Environmental baseline work. The field program was conducted in August 2021. All activities were based out of Iqaluit. The site was accessed daily by Twin Otter and by Helicopter. Field work was hampered by poor weather and the field program took longer than anticipated.

Field work consisted of;

1) Installation of a new Meteorological Station (x1)
2) Maintenance on existing Meteorological Stations (x2)
3) Maintenance of existing land observation cameras (x37)
4) Installation of new land observation cameras (x26)
5) Water quality samples (x14)
6) Water flow measurements (x4)
7) Drone surveys (x1) – Camp & Area
8) Satellite remote sensing studies - desktop
9) Soil samples (x21)
10) Scat samples (x11)
11) Lichen samples (x27)
12) Plant samples (x1)

Field samples collected in 2021 will be processed in 2022 and all collected data will continue to advance baseline knowledge work for the Chidliak Project.

In addition to the individual point date collected in the field one of the overall research objectives is to link field observations to satellite remote sensing data.