



TGX:TSX-V

TRUE NORTH GEMS

Emerald Exploration History

Exploration: 2001 - 2004

In the summer of 2001, True North Gems began detailed stripping, sampling, and mapping of the occurrence leading to the discovery of a new emerald-bearing zone as well as developing a greater understanding of the mechanisms leading to emerald formation.

In 2002, a much larger field program was implemented, focusing on the recovery of emerald through bulk sampling the known surface showings identified in 2001. The program included sub-surface excavation, surface trenching, diamond drilling, soil sampling, and prospecting. An additional three emerald bearing zones were identified and seven of the ten known zones were sampled, leading to positive stone count results.

In 2003, a 1,250 metre diamond drill program was completed, and an underground adit was constructed going through the ridge. Another three emerald bearing zones were discovered, doubling the known size of emerald mineralization on the property, and underground sampling and diamond drilling confirmed the presence of emerald at depth. 5,801 grams (29,005 carats) of gem and near-gem emeralds were recovered from 465.1 tonnes of surface trenched and underground material in 2003.

In 2004, the exploration program included surface trenching, mini-bulk sampling, diamond drilling, soil sampling, and regional prospecting. In August, prospectors found emeralds on an adjacent ridge, one kilometre away from previously known existing mineralization, on an area named the Shadow Zone. The drill program consisted of 54 holes drilled totaling 3,503 metres, and emerald was found in core in 8 of the holes. A total of 15,837 grams (79,184 carats) of gem and near-gem emerald were recovered from processing material from 2,533 tonnes collected and processed in 2003 and 2004.

Exploration: 2005

The focus of the 2005 exploration program included follow-up of targets generated in 2004 as well as additional trenching and sampling, infill soil sampling, and mapping. Increased production from the processing plant allowed 3,300 tonnes of material to be processed over the course of the summer.

Twenty-one trenches were constructed, totaling 680 metres in length. Emeralds were found in 11 of 18 trenches sampled. More than 7,000 grams (35,000 carats) of gem and near-gem material were recovered in 2005, which returned 768 faceted stones weighing 67.28 carats after cutting.

Exploration: 2006

In 2006, work comprised mainly surface trenching, exploration sampling, and mapping. The processing plant was not scheduled to operate. Exploration work focused on targets hosting visible emerald and intervals of intense alteration in core, underground drifts, and trenches. Detailed geological and structural mapping was carried out over most of the project area. Detailed structural and alteration logging was completed on all drill core. 39 trenches were completed ranging in length from 50-200 metres over geochemical targets. They did succeed in identifying and extending emerald-bearing veins, as well as extending the area of known emerald mineralization by 500 metres north.