Also, stream sediment sampling conducted immediately west of Kenney Lake returned highly anomalous levels of molybdenum in two samples. Follow-up of the anomaly has not been conducted.

7.4.4 COPPER MINERALIZATION

In September 2012, prospecting and surface sampling identified several porphyry-style showings at the head of the valley northwest of the resource area.

The Pond and H-Spot showings are discoveries of bulk tonnage, porphyry-style copper+/-silver mineralization and associated alteration. They are located at the head of the valley north of the Deer Horn adit and 2.3 km west of Lindquist Peak in an area with no known exploration history. A second area of anomalous porphyry-related copper-gold mineralization occurs on a ridge crest 1.8 km northwest of Kenney Lake. The following description of the showings is adapted from Lane (2013).

The Pond showing consists of coarse blebs and knots of pyrite, and traces of chalcopyrite and molybdenite in propylitic and potassic-altered diorite. The H-Spot showing, located 200 m north of Pond, consists of potassic-altered granodiorite containing coarse aggregates of pyrite and bands and coarse aggregates of intergrown magnetite-chalcopyrite. Grab and channel samples collected from the two showings graded from 18.5 to 4240 ppm Cu, from 0.06 to 6.6 ppm Ag and from <5 – 24 ppb Au. The full dimensions of the H-Spot showing are unknown because it is covered by snow pack and glacial debris. Several other small showings of chalcopyrite were located nearby and additional pyrite-altered tuffaceous volcanic rocks were identified 450 m to the north. These new showings, and their broad distribution may be evidence of a largely hidden porphyry copper system. Another new area of anomalous copper-gold mineralization was discovered along ridge crests northwest of Kenney Lake. This area is underlain by rocks mapped as part of the Telkwa Formation (Hazelton Group). Chalcopyrite occurs in hairline fractures in propylitic to weakly potassic-altered andesitic flows. Select grab samples graded from 10 to 4540 ppm Cu, from 0.07 to 7.72 ppm Ag and from <5 to 262 ppb Au.