

Athabasca Diamond Project - Magnetic Modelling

Towards the goal of defining new drill targets within the project area, the 50m line spacing survey flown by De Beers, combined with information from the drilling carried by De Beers, is being used to model the magnetic profiles of selected anomalies.

The first results were that some anomalies are explained by the presence of a shallow superficial magnetic body, but others require the combination of a shallow superficial magnetic body with one or more deep-rooted magnetic bodies that fit the geometry expected from kimberlite pipes or dykes.

The two figures below show examples of such anomalies containing deeper rooted bodies. Work is continuing on the re-processing of the 200m and the 50m line spacing magnetic surveys as well as further modeling of selected anomalies.



