

## EM 31 detail Exploration Process

The EM survey was carried out on 28 of April 2015 at Birds Hill Provincial Park (Figure 1). The data were collected using a 50 m by 50 m grid. A total of eleven traverses were distributed in the east-west directions, with 5 m distance between each traverse. Each traverse had ten reading stations distributed in the north-south direction, with 5 m distance between each station. Harsimran carried the instrument while Gafaar took the horizontal and vertical reading for each point, which was measured in mS/m. The data was carried out at UTM coordinates of: 14U653218-5541994m, 14U 0653217-5541952m, 14U 0653279-5541950m, 14U 0653264-5542000m.

Before the survey, a simple test was carried out of assess the sensitivity. Harsimran took EM31 6 EM vertical and horizontal readings on line 0 in the south direction, and Ikemba took EM31 6 EM vertical and horizontal readings in the opposite direction (north).

The data file shows columns as follows: “#” column, which shows the line number; Station (m) (North-South), which shows the station reading distance from point 0; Lines (m) (East-West), which shows the line distances from line 0; Operator (name), containing the name of the person that operated the instrument; Multiplier, for signal amplification; Vertical (mS/m), which contains the vertical dipole readings; and Horizontal (mS/m), which contains the horizontal dipole readings. The data was archived by Harsimran and Ikemba.

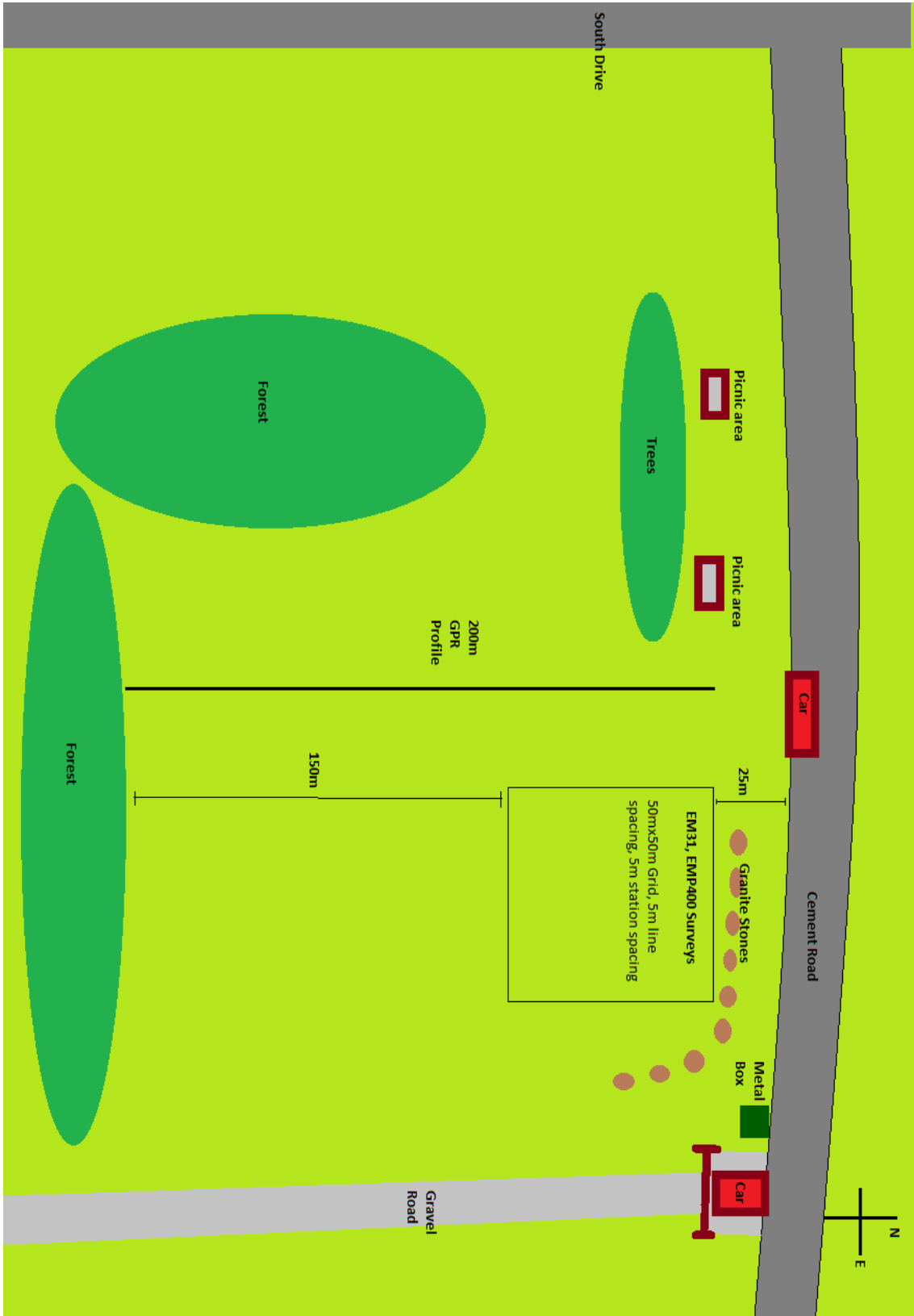


Figure 1. Survey Site Map, Site 3, Birds Hill Provincial Park