Birds Hill Project: Electromagnetic Profile

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Group 1 performed EM31 surveys at Site 1 (Overlook) in Birds Hill, Manitoba. The Overlook is located right off of North Drive and the UTM coordinates associated with the Overlook is 14U65950E, 5542850N.

The map area of the survey and the northing/easting lines are outlined on Figure 1. The SW, NW, SE, and NE had UTM coordinates of 14U0651901E, 5542886N, 14U0651947E, 5542871N, 14U0651888E, 5542836E, and 14U0561929E, 5542821N respectively. The measurement spacing was completed every 5 m and started in the NE corner with EMP 400. The measurements were completed toward the NW corner and proceed in a zigzag direction.

While the EMP was switched on, the Bluetooth was read to connect with the PDA used to measure the data from the starting to the ending point. Before the survey, a simple test was carried out to assess the system calibration with the PDA. The instrument was carried by Sodiq and Easton took the horizontal and vertical measurement for the forward and backward readings done twice.