

D. SURVEY DESIGN

The Utem survey was conducted using three transmitter loop locations, as outlined in figure 5.

For each loop position, vertical (H_z') magnetic field measurements were taken along the relevant set of traverses, at 100 ft reading intervals.

A base frequency of 26 hz was employed on all the survey work, enabling a definition of secondary field decays from early time (less than 100 μ sec) to a last channel nominal mean delay time of around 15 msec. It was found during the field work that all inductive responses of a non-cultural source had decayed completely by the last channel (number 1), thus providing a complete temporal definition of any anomalies of interest.

Some difficulty was experienced with power line noise. A major high tension power line passes along the western boundary of the area and is subject to quite variable loading.