

9. STITT (I. McNaught)

9.1. Introduction

The Stitt area is located on the western side of the Sterling River, on the western flank of Mt. Murchison and runs north to the Murchison Highway (See Figure 1).

Exploration by EZ Company had identified an extensive area of acid to intermediate lavas and pyroclastics (particularly ignimbrites) with a paucity of sediments, suggesting a subaerial volcanic environment on the eastern side of the Mt. Black volcanics. Despite this conclusion, thin sediments are known to occur within the area.

Prior to the receipt of the DIGHEM report, GODC conducted some reconnaissance geological traverses over areas of DIGHEM responses which were thought to indicate sediments.

Following receipt of the DIGHEM report in April, 1984, reconnaissance geological and VLF EM traverses were conducted to ground locate DIGHEM responses.

An extensive zone of low resistivity surrounding four north east trending DIGHEM conductors occurs on the southern end of the Stitt area. Reconnaissance geology and VLF EM provided sufficient encouragement to support gridding of that area. The extent of that South Stitt grid is shown on the location diagram, Figure 1.

9.2. Previous Work

The Stitt area has been covered with 500m spaced grid lines and explored by EZ Company with geological mapping, soil geochemistry and alternating lines of dipole-dipole and pole-dipole IP. That program comprised over 54km of gridding and additional walking track access.