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Graben, it is cut by easterly aligned faults, and in the Kempton area resembles the York Plains complex. North of Kempton the orientation is NS, while to the south it is NW, thus paralleling the Jericho Graben either side of Kempton - Colebrook "structural zone".

Other, relatively smaller northerly oriented grabens (with Sequence 1 lithologies), are the Red Sugarloaf - Spring Hill - Mt. Mercer, and the White Hill - Barbers Marsh grabens.

3. 2. 3. DRILLING

A total of 31 open holes were drilled by Overland Drilling Coy. using a Warman 500 rig. Total metreage was 1382m, distributed as follows:

EL 18/82: 9 holes, totalling 377m;

EL 19/82: 11 holes, totalling 526m;

EL 20/82: 11 holes, totalling 479m.

Drilling in EL 18/82 extended from York Plains to Jericho and north of Colebrook in the Jericho and York Plains Grabens.

Drilling in EL 19/82 ranged from Colebrook to Campania (in the Jericho Graben), and in the Kempton area (Melton Mowbray Graben).

Drilling in EL 20/82 ranged from Mike Howes Marsh to Jericho (Jericho Graben) and from Apsley to Melton Mowbray Graben.

Individual drill hole details (co ordinates, depths etc.) are shown in Table 1.

3. 2. 4. ROCK CHIP LOGGING

Rock chip samples were collected at 2m intervals during the drilling and logged in the field; only coal samples were retained for storage in Hobart, the remaining cuttings being used to back fill the holes during the site rehabilitation. Most of the chip logging was done by the author, with 8 holes being logged by I.M. Clementson of CRAE (holes PD 83 KP-01 - 08).

The holes were numbered according to drilling method, the year and the EL name,