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1. SUMMARY

Exploration during the three month period included drilling within three brown coal bearing sub-basins in the Rosevale, Westwood and Selbourne areas of the Tertiary Launceston Basin which were delineated during the October- December 1981 drilling programme. The sub-basins are referred to as the Loatta, Pipers Lagoons and Selbourne sub-basins respectively.

Significant brown coal seams have been intersected. The seams which were used for reserve calculations occur at depths generally less than 60m. Drilling within the Pipers Lagoons and Loatta sub-basins during the October-December 1981 exploration programme delineated 54 Mt Class II Indicated Reserves and a small tonnage* of Inferred Reserves, (see Table 1) (Mengel, 1977). The results of the March-April 1982 exploration programme are currently being assessed. Reserve calculations, incorporating the 1982 drilling results, will be reported in the next 6 monthly report.

Analyses of 1981 core samples shows the coal to be a moderate ash, low sulphur brown coal. The average in situ quality of the brown coal reserves of Loatta and Pipers Lagoon are summarised in Table 1. Analysis of 1982 core samples is in progress, and the results will be presented in the next 6 monthly report.

TABLE 1EL20/80 LAUNCESTONIN-SITU COAL RESERVES AND QUALITY

Sub Basin	Indicated Reserves 10 ⁶ tonnes	Average Quality (in situ)			
		Moisture %	Ash %	Specific Energy MJ/kg	Sulphur %
Loatta	22	49.45	18.41	8.21	0.15
Pipers Lagoons	32	47.23	21.48	8.04	0.14

* small is defined as between 20 and 100 million tonnes.