



DEPARTMENT OF MINES - TASMANIA  
**GRAVITY SURVEY**  
 of the  
**EASTERN HIGHLANDS**  
**CENTRAL EASTERN TASMANIA**

0 1 2 3 4 5 kilometres

GEOPHYSICS BY D.E.LEAMAN B.Sc. (Hons.) Ph.D.

**RESIDUAL BOUGUER ANOMALY**

Based on 4 x 4 km. regional.  
 Contour interval: 10  $\mu\text{m/s}^2$   
 Terrain correction applied,  $r=19\text{km}$   
 Density = 2.67  $\text{t/m}^3$   
 + Absolute sign.  
 - Relative sign.

SOURCES:  
 D.E.Leaman; R.H.Castleden;  
 1:250000 sheets Oatlands, Launceston.

**SKETCH GEOLOGY**

- Recent marsh deposits.
- Recent miscellany - gravel, alluvium, sand.
- Pleistocene talus.
- Tertiary sands, clays.
- Tertiary basalt.
- Jurassic dolerite.
- Triassic undifferentiated (incl. coal measures).
- Permian undifferentiated.
- Devonian granite, adamellite, porphyry, granodiorite (grd).
- Ordovician - Devonian undifferentiated.

FIGURE 17