

- FORMATION BOUNDARY
- - - FORMATION BOUNDARY POSITION APPROX.
- - - FAULT PROBABLE
- ? - FAULT INFERRED
- +— SYNCLINAL AXIS, FIRST ORDER
- +— SYNCLINAL AXIS, SECOND ORDER
- +— ANTICLINAL AXIS, SECOND ORDER
- +— DIP AND STRIKE OF STRATA
- +— PLUNGE OF LINEATION
- — — MOTOR TRACK
- - - FOOT TRACK
- HUT

- Quaternary
- Ql** LANDSLIDE DEBRIS
- Tertiary
- Tb** VOLCANICS
- Ts** SEDIMENTS
- Jurassic
- Jdl** OOLERITE
- Permian
- P** SEDIMENTS
- Precambrian
- pCm** MAGGS QUARTZITE
- pCa** ARM SCHIST
- pCf** FISHER GROUP
- pCh** HOWELL GROUP

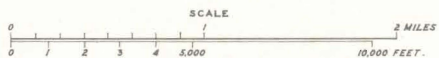
LEGEND

Compilation from Aerial Photographs.  
 Trigonometric Station Control by courtesy  
 Lands and Surveys Department.  
 Origin of coordinates 400,000 yds. West and  
 1,800,000 yds. South of True Origin of Zone 7  
 of the International Grid.

KEY MAP SHOWING MAGNETIC DECLINATIONS  
 SECULAR VARIATION 7' PER ANNUM



MAPPED AND COMPILED BY  
 A.H. SPRY 1956



# GEOLOGY OF THE RIVER ARM AREA

Pleistocene Glacials covering approximately half of the area are not shown.

## 1. BIBLIOGRAPHY:

- LEWIS, A. N., 1932: "Origin of Great Lake". *Pap. and Proc. Roy. Soc. Tas.*, 1932, pp. 15-38.  
 LEWIS, A. N., 1944: "Pleistocene Glaciation in Tasmania". *Pap. and Proc. Roy. Soc. Tas.*, 1944, pp. 41-56.  
 REID, A. M., 1918: "Mt. Pelion Mineral District". *Bull. Geol. Sur. Tas.*, 30.  
 WARD, L. K., 1909: "Precambrian of Tasmania". *Pap. and Proc. Roy. Soc. Tas.*, 1909, pp. 124-156.

## 2. STRATIGRAPHIC TABLE:

AGE	GROUP	FORMATION	LITHOLOGY	THICKNESS
Recent			Landslide debris	(?)
Pleistocene			Till, varves	160' +
<b>EROSION INTERVAL</b>				
Tertiary			Basalt flows and pyroclastics	800'
<b>EROSION INTERVAL</b>				
Jurassic			Dolerite sill	
Permian			Basal conglomerate, sandstone, siltstone	250'
<b>UNCONFORMITY</b>				
Precambrian		Magg's	Quartzite	2000'
		Arm	Schist and Quartzite	3000'
	Fisher		Slates and Quartzites	5000' +
	Howell		Schists and Quartzites	5000' +

## 3. LOCALITIES OF SPECIAL INTEREST:

Pleistocene varves on Arm River	E414600.N862400
Minor folds in Arm Schist	E419400.N862700
Roche mautonnee	E419800.N866200
Tertiary basalt section	E41500.N86200 to E415600.N865500
Minor anticline	E419700.N861400