

853001

**MICROFILMED**

UNION CORPORATION (AUSTRALIA) PTY. LIMITED  
E.L. 21/80  
PRELIMINARY REPORT NO. 6  
N.J.W. DECEMBER, 1981

**81-1650.**

853c

000

853002

E.L. 21/80

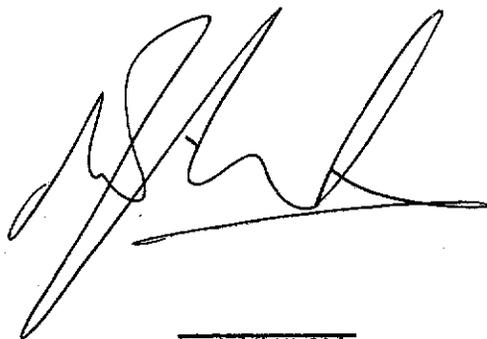
PRELIMINARY REPORT NO. 6

of M.	A.O.	C.G.	E.O.	O.S.M.E.
Received - 2 DEC 1981				E & IL
DEPT. OF MINES				
REF. No. 10,440/81				

Detailed stream sediment sampling in the south east is now complete and the results are shown on Plan 1 (attached).

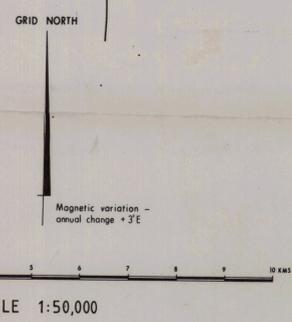
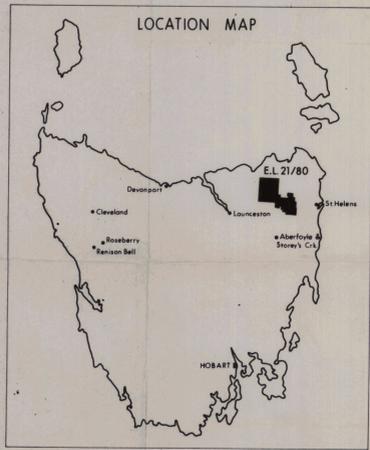
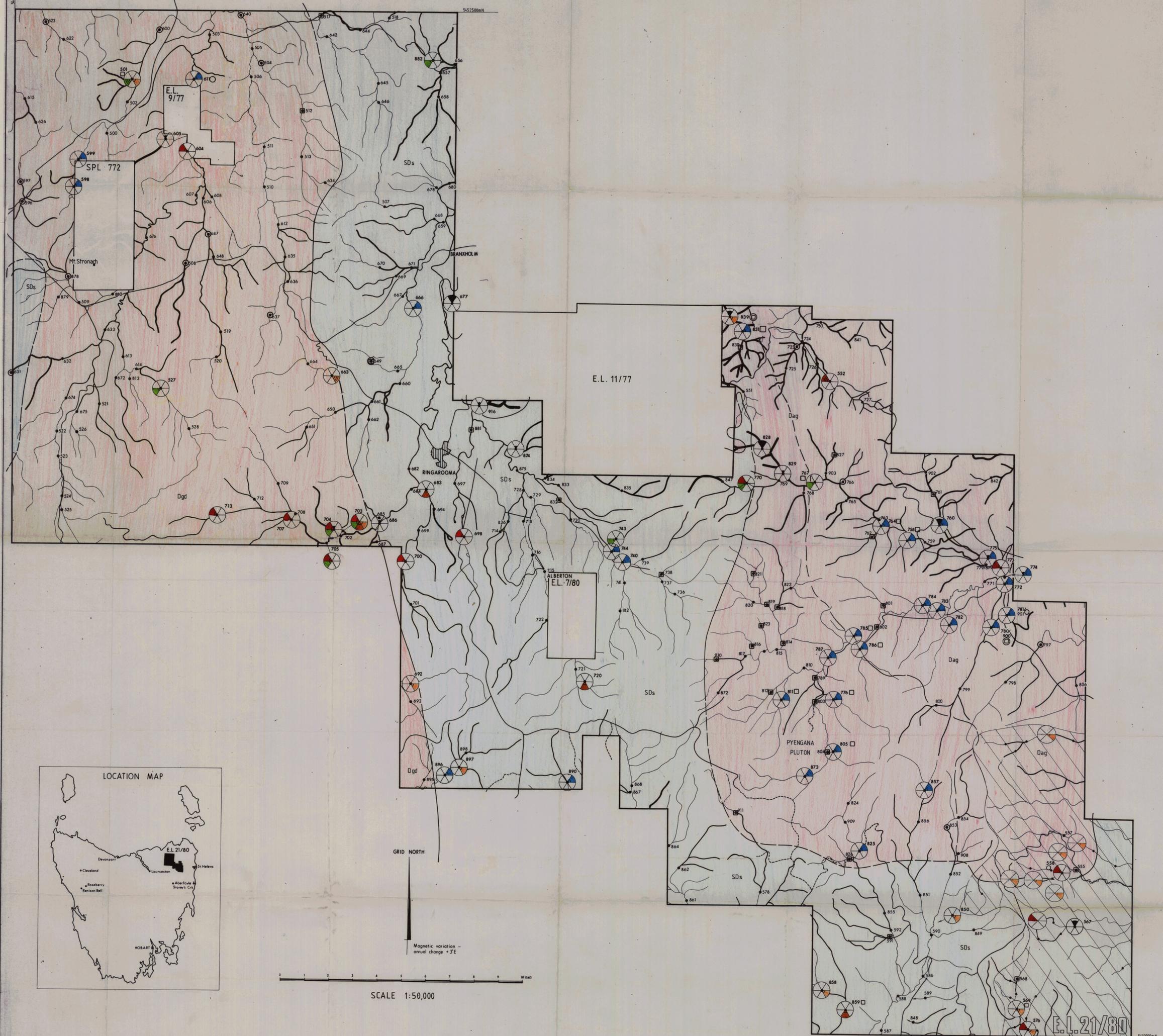
Zinc is the only element that is anomalous in the -80 mesh fraction except for one tungsten anomaly (twice the threshold value) at the headwaters of a creek. The zinc anomalies are concentrated about the centre of the area sampled. Tin in stream sediments results from panned concentrates which were converted back to a content for the original sample are of a low order.

Follow-up geological assessment of anomalies in the south east and other areas is proposed which will involve probably soil and rock chip sampling.

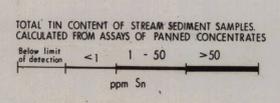


N.J. WINNALL

**OPEN FILE**



- SYMBOLS**
- Stream sediment sample location with number
  - Road
  - Track
  - Exploration licence and Special Prospectors' licence boundary
  - Sample location; magnetite in panned concentrate
  - Sample location; fluorescent minerals (probably zircon) in panned concentrate
  - Area of detailed stream sediment sampling



**MULTI-ELEMENT PLOT, MINUS 80 MESH FRACTION**

THRESHOLD VALUES

	MATHINNA BEDS	GRANDIORITE	ADAMELLITE/ALKALI GRANITE
Sn	210	270	2975
W	20	25	104
Mo	10	10	9
Cu	39	26	115
Pb	87	62	57
Zn	135	108	162

KEY

- 1x threshold
- 2x threshold
- 3x threshold
- 4x threshold & greater

- MAJOR ROCK GROUPS, FOR PURPOSE OF STREAM SEDIMENT INTERPRETATION**
- MATHINNA BEDS (quartz sandstone, siltstone, quartzwacke, mudstone, minor schist)
  - GRANDIORITE (dominantly granodiorite with minor adamellite) - SCOTTS DALE BATHOLITH
  - ADAMELLITE & ALKALI GRANITE (dominantly granite/adamellite with minor granodiorite) - BLUE TIER BATHOLITH
  - Geological boundary - approximate
  - Geological boundary - inferred

NOTE: Geology after - Brown et al (1977)  
 - Groves et al (1977)  
 - McClenaghan et al (1974)

**UNION CORPORATION (AUSTRALIA) PTY LIMITED**  
 EXPLORATION LICENCE 21/80 - TASMANIA

**STREAM SEDIMENT GEOCHEMISTRY**  
 TIN, TUNGSTEN, MOLYBDENUM  
 COPPER, LEAD & ZINC

PLAN No. 1 JUNE, 1981