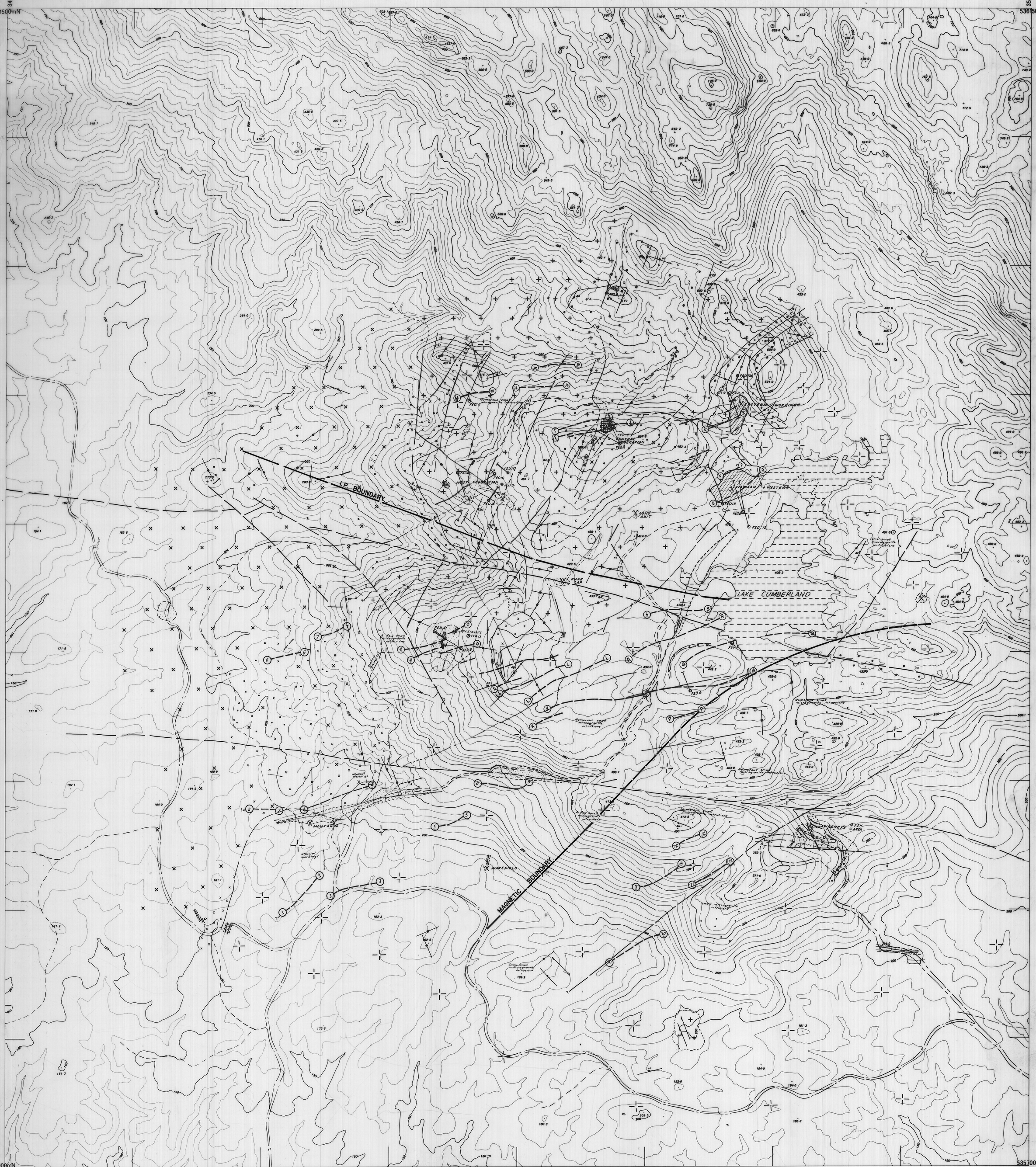


LEGEND

ALTERATION

- Argillic Alteration
- Quartz and Topaz and/or Tourmaline
- Total tourmalinisation, occasionally with Hematite
- Hydrothermal Breccias
- Collapse

(White alteration "Dykes" (Greisen Veins))

- Quartz - mica greisen
- Area of Tourmaline nodules
- "Green alteration" (mostly sericitisation), some with disseminated hematite or pyrite

ROCK TYPES

- Fine grained
- Medium grained

('White' younger granite)

- Medium grained, usually porphyritic
- Coarse grained

('Red' older granite)

- Major Lineament
- Joint with dip
- Joint, vertical
- Foliation
- Definite
- Approximate
- Inferred

Geological Boundaries

- Old mine or prospect
- Chargeability axis / anomaly and symbol (1977 survey)
- Renison representation of Scintrex geophysical anomalies
- Chargeability axis / anomaly and number (1979 survey)
- Diamond drill hole
- I.P. boundaries: higher resistivities and chargeabilities south of the boundary; lower resistivities and chargeabilities north of the boundary.
- Magnetic boundary: magnetically 'quiet' north-west of the boundary. Magnetically 'active' south-east of the boundary.

To accompany Mitre Geophysics report 81/10

COMPILATION NOTE

This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12.12.77.

Orthophoto base mapping and photogrammetric contours by Australian Aerial Mapping Pty. Ltd.

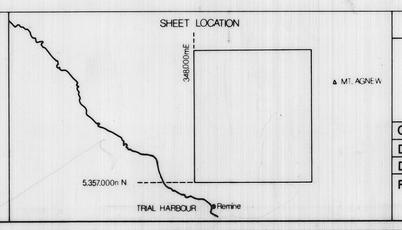
Aerial photography	Wild RC8
Aerial triangulation	Wild A8
Contouring	Wild B8
Orthophotos	Zeiss Topocart

REFERENCE

- 100 Contours
- Depressions
- 60·5 Spot Heights
- 503·98 Control

N.B. Broken lines indicate lower reliability
Contour interval 10 metres
Spot heights to 0·5 metres
Reduced levels to Australian Height Datum
Co-ordinates Australian Map Grid
Grid interval 500 metres

SHEET LOCATION



RENISON LIMITED

HEEMSKIRK AREA

GEOLOGICAL INTERPRETATION & GEOPHYSICAL BOUNDARIES

GEOLOGIST:	K. Wells
DRAUGHTSMAN:	F. Colson
DATE:	June 1979
REVISIONS	F. Colson May 1980; F. Colson Aug. 1980; P. Roberts July 1981

SCALE 1:5000 METRES (100 0 100 200)

FIG. 1

85 - 2426
Heemskirk Granite Area
(E.L. 11/76 & S.P.L. 129)
HEEMSKIRK GRANITE AREA
SPAUWARD SHEET 4 GEOPHYS.
MAGP. ONL
MAGP. GEOLOGY
1:5,000