

LEGEND

	Argillic alteration		White alteration
	Quartz and topaz and/or tourmaline alteration		Breccia
	Felsic to mafic alteration, occasionally with hornfels		Breccia
	Hydrothermal		Breccia
	Collapse		Breccia
	Quartz - mica gneiss		Area of tourmaline nodules
	White (younger) granite		Fine grained
	Medium grained		Medium grained
	Red (older) granite		Medium grained
	Coarse grained		Major lineament
	Joint with dip		Joint vertical
	Faultion		Definite
	Approximate		Inferred
	Geological boundary		Old mines and prospects

RENSON LIMITED

HEEMSKIRK AREA

GEOLOGICAL INTERPRETATION

GEOLOGIST: K. WELLS
 DRAUGHTSMAN: J. MATTHEWS
 DATE: JUNE 1978
 REVISIONS:

SCALE 1:2000 METRES

DRAWING NO.

COMPILED NOTE

This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12/5/77.

Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping.

Aerial photography Wild RC8
 Aerial interpretation Wild AB
 Contouring Wild BS
 Orthophotos Zeiss Topocart

REFERENCE

Contours
 Depressions
 Spot Heights
 Control
 N.B. Broken lines indicate lower reliability
 Contour interval 5 metres
 Spot heights to 0.5 metres
 REDUCED LEVELS TO AUSTRALIAN DATUM
 COORDINATES AUSTRALIAN MAP GRID
 Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2
SHEET 3	SHEET 4
SHEET 5	SHEET 6

1:200000N
 3480000E

208
 Heemskirk Granite Area
 GEOL. 11/76 & S.P.L. 1899
 SHEET 1 HEEMSKIRK AREA
 SCALE 1:2000
 DRAWING NO.

5361500mN 348000mE

350000mE 5361500mN



- LEGEND**
- Joint with dip and magnetic bearing
 - Joint vertical
 - Foliation (of crystals)
 - Geological boundary - definite
 - Geological boundary - approximate
 - Area of tourmaline nodules
 - Old mines and prospects
 - Sample / Locality numbers



COMPILATION NOTE

The sheet is a composite of photographic contours superimposed on a half tone reproduction of compiled photographs from aerial photography dated 12/2/77.
Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping
Aerial photography W40 40R
Aerial triangulation W40 40B
Contouring W40 40B
Orthophotos Zeiss Topcon

REFERENCE

- Contours
- Depressions
- Spot Heights
- Contour interval 5 metres
- Spot heights to 0.5 metres
- REDUCED LEVELS TO AUST. HEIGHT DATUM
- CO-ORDINATES AUST. MAP GRID
- Grid interval 200 metres

SHEET AND INDEX LOCATION



RENISON LIMITED

FEDERATION AREA

GEOLOGY FACT PLAN

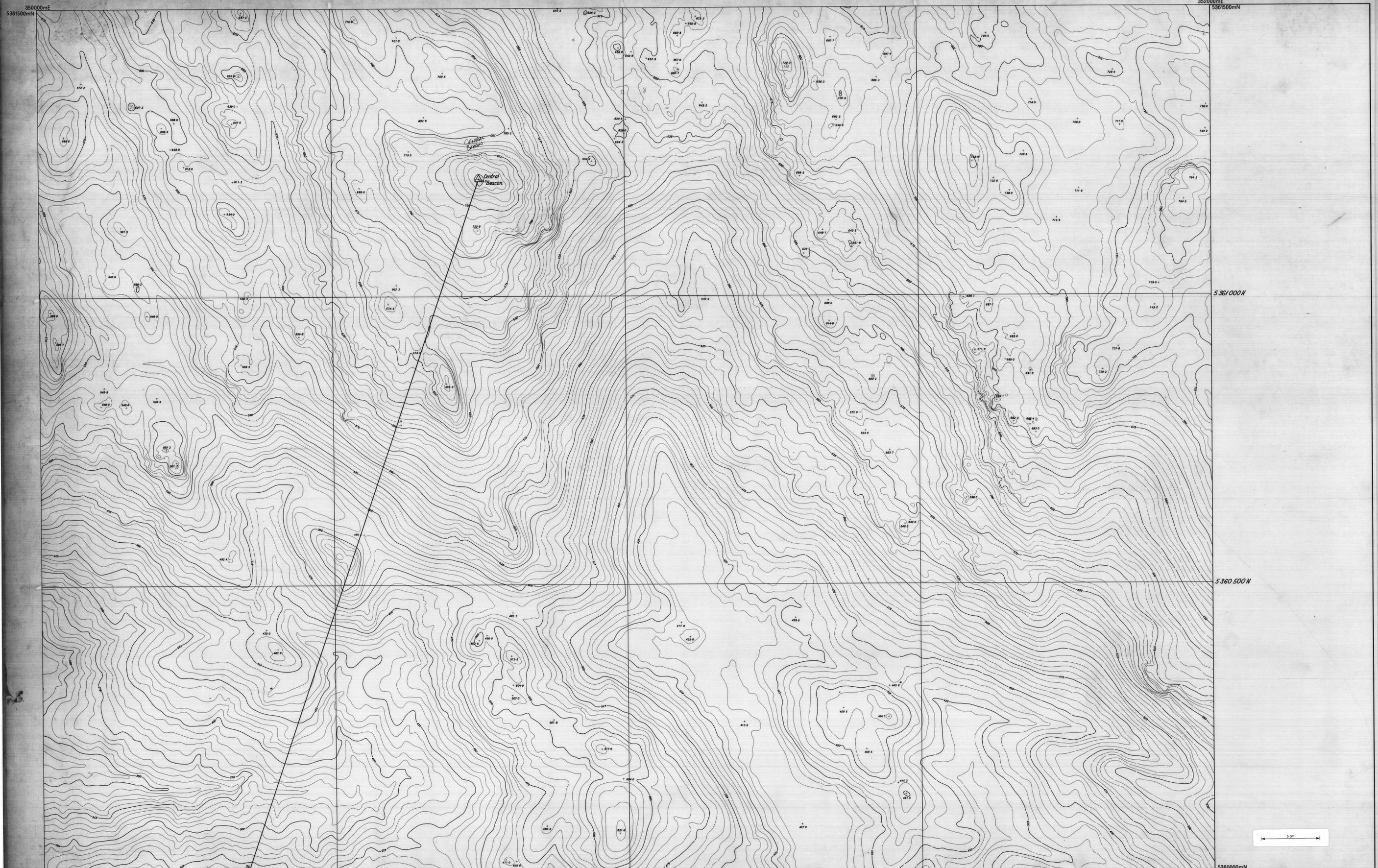
GEOLOGIST	K. WELLS	SCALE	1:2000 METRES
DRAUGHTSMAN	J. MATTHEWS	DATE	JUNE 1978
REVISIONS		DRAWING NO.	

05 - 2458
Hemmant Granite Area
(S.L. 1178 & S.F.L. 128)
309

Hemmant Granite Area
SHEET 1
1:2000

5360000mN 348000mE

350000mE 5360000mN



350000mE
5361500mN

352000mE
5361500mN

350000mE
5360000mN

352000mE
5360000mN

COMPILED NOTE
This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12/77.
Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping
Aerial photography Wtd RCB
Aerial interpretation Wtd AB
Contouring Wtd BB
Orthophotos Zass Topcart

REFERENCE
Contours
Depressions
Spot Heights
Contours
N.B Broken lines indicate lower reliability
Contour interval 5 metres
Spot heights to 0.5 metres
REDUCED LEVELS TO AUSTRALIAN DATUM
COORDINATES AUSTRALIAN MAP GRID
Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2	7
SHEET 3	SHEET 4	9
SHEET 5	SHEET 6	11

RENISON LIMITED

HEEMSKIRK AREA
SURVEY TRAVERSES

GEOLOGIST:
DRAWN BY:
DATE: FEB. 1981
REVISIONS

SCALE 1:2000 METRES

DRAWING NO. 2

HEEMSKIRK GRANITE AREA
SHEET 2 OF 11
SCALE 1:2000

HEEMSKIRK GRANITE AREA
SHEET 2 OF 11
SCALE 1:2000

35000mE
5361500mN

35200mE
5361500mN



5360000mN
35000mE

35200mE
5360000mN

1:2000

HEESKIRK
AREA

Hees Kirk
Central Area
(E.L. 1176 & S.P. 1, 183)
212

HEESKIRK
SHEET 2
1:2,000



COMPILATION NOTE

This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12/2/77.
Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping.
Aerial photography Wild PC8
Aerial triangulation Wild AB
Contouring Wild BS
Orthophotos Zeiss Topocart

REFERENCE

- Contours
- Depressions
- Spot Heights
- Control
- Broken lines indicate lower reliability
- Contour interval 5 metres
- Spot heights to 0.5 metres
- REDUCED LEVELS TO AUSTR. HEIGHT DATUM
- COORDINATES AUSTR. MAP GRID.
- Grid interval 200 metres

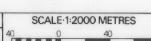
SHEET AND INDEX LOCATION



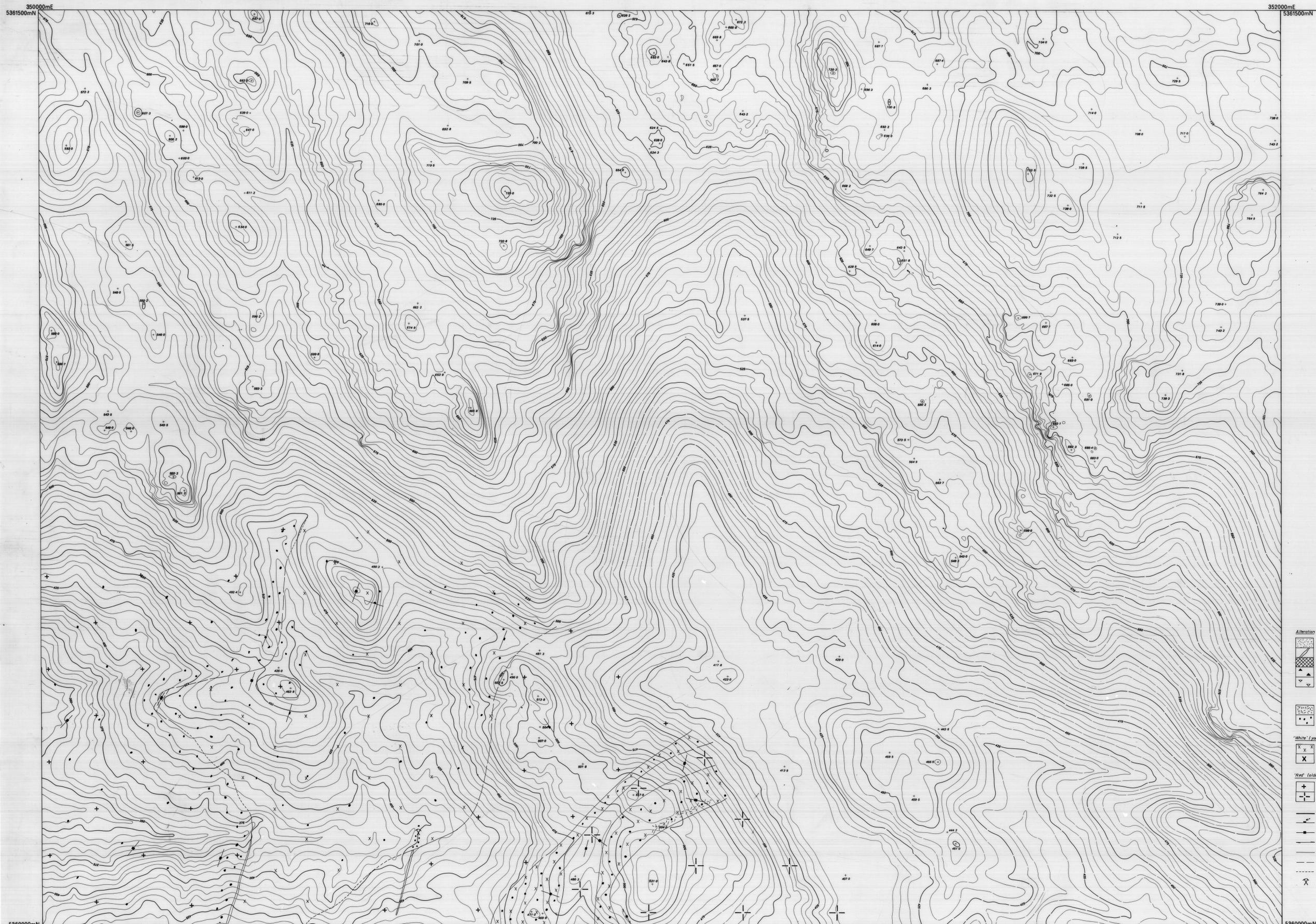
RENISON LIMITED

HEESKIRK AREA

GEOLOGIST:
DRAUGHTSMAN:
DATE:
REVISIONS



SCALE 1:2000 METRES
DRAWING NO.



LEGEND

Alteration

- Argillite alteration
- Quartz and feldspar and/or tourmaline alteration
- Totally tourmalinised, occasionally with hematite
- Hydrothermal
- Collapse

White alteration

- White alteration
- Quartz
- Green vein

Brassic

- Brassic

Quartz - mica gneiss

- Area of tourmaline nodules

'White' / younger / granite

- Fine grained
- Medium grained

'Red' / older / granite

- Medium grained
- Coarse grained

Major alignment

- Joint with dip
- Joint vertical
- Foliation
- Definite
- Approximate

Geological boundary

- Geological boundary

Old mines and prospects

5 cm

COMPILED NOTE

This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of corrected orthophoto from aerial photography dated 12/77.

Orthophoto base mapping and photogrammetric contours by Aerial Mapping.

Aerial photography: Wild RC8
Aerial triangulation: Wild AB
Contouring: Wild 58
Orthophoto: Zeiss Topocart

REFERENCE

- Contours
- Depressions
- Spot Heights
- Control
- N.B. Brown lines indicate lower reliability
- Contour interval 5 metres
- Spot heights to 0.5 metres
- REDUCED LEVELS TO AUSTRALIAN HEIGHT DATUM
- COORDINATES: AUSTRALIAN MAP GRID
- Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 3	SHEET 4
SHEET 5	SHEET 6

5360000mN

352000mE

REVISIONS LIMITED

HEEMSKIRK AREA

GEOLOGICAL INTERPRETATION

GEOLOGIST: K. WELLS

DRAUGHTSMAN: J. MATTHEWS

DATE: JUNE 1978

SCALE 1:2000 METRES

DRAWING NO.

Heemskirk Granite Area
 (E.L. 12/76 & S.P.L. 128)
 214
 Heemskirk Granite Area
 SHEET 2, AREA 4
 SYNOPSIS 1:2,000

350000mE
5361500mN

352000mE
5361500mN



5360000mN
350000mE

5360000mN
352000mE

COMPILED NOTE

This sheet is a composite of photogrammetric contours superimposed on a full size reproduction of composite orthophotos from aerial photography dated 12/12/77.

Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping.

Aerial photography Wild RC8

Aerial triangulation Wild AB

Contouring Wild B8

Orthophotos Zeiss Topocart

REFERENCE

- Contours
- Depressions
- Spot Heights
- Contour N.B. Broken lines indicate lower reliability
- Spot Heights to 0.5 metres
- REDUCED LEVELS TO AUSTRALIAN HEIGHT DATUM
- CO-ORDINATES: AUSTRALIAN MAP GRID
- Grid interval 200 metres

SHEET AND INDEX LOCATION



- LEGEND**
- Joint with dip and magnetic bearing
 - Joint vertical
 - Foliation (of crystals)
 - Geological boundary - definite
 - Geological boundary - approximate
 - Area of tourmaline nodules
 - Old mines and prospects
 - Sample / locality numbers

500m

RENISON LIMITED

FEDERATION AREA

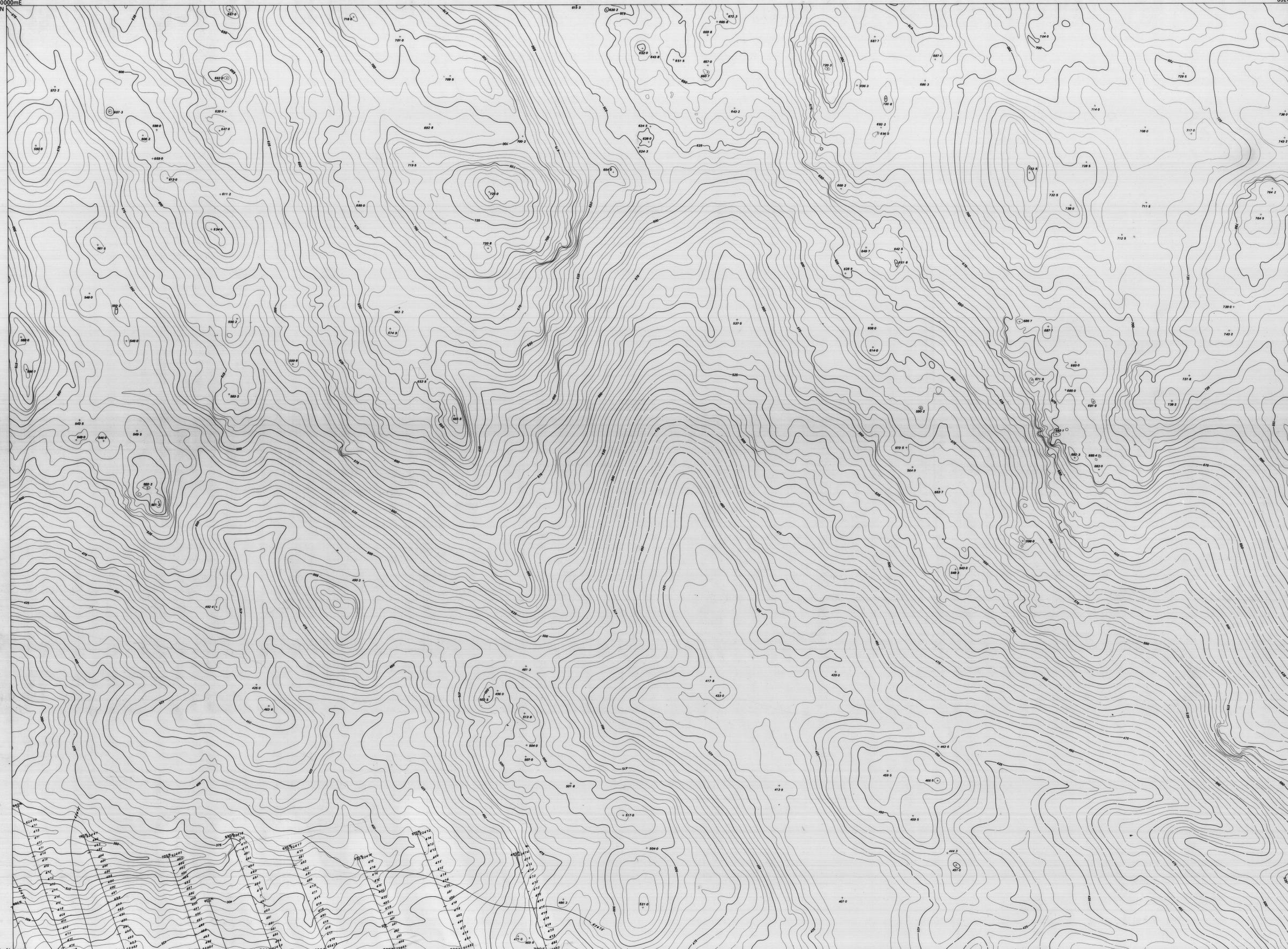
GEOLOGY FACT PLAN

GEOLOGIST: K. WELLS	SCALE 1:2000 METRES
DRAUGHTSMAN: J. MATTHEWS	
DATE: JUNE 1978	
REVISIONS	DRAWING NO.

85 - 848
 (Federation Geology Area)
 (1:2000 Scale)
 215
 SHEET 2. RENISON
 1:2000
 RENISON LIMITED

350000mE
5361500mN

352000mE
5361500mN



5360000mN
350000mE

352000mE
5360000mN

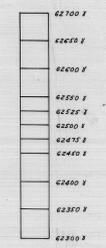
COMPILED NOTE
This sheet is a composite of photo
grammetric contours superimposed on a
half tone reproduction of compiled
orthophoto from aerial photography
sheet 51/277.
Orthophoto base mapping and
photogrammetric contours
by Aust. Aerial Mapping
Aerial photography Wtd PCB
Aerial triangulation Wtd AB
Contouring Wtd GB
Orthophotos Zeiss Topocart

REFERENCE
Contours
Depressions
+80.5 Spot Heights
Control
N.B. Broken lines indicate lower reliability
Contour interval 5 metres
Spot heights to 0.5 metres
REDUCED LEVELS TO AUSTRALIAN DATUM
COORDINATES AUSTRALIAN MAP GRID
Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2
SHEET 3	SHEET 4
SHEET 5	SHEET 6

5360000mN
350000mE



REVISION LIMITED
FEDERATION GRID
MAGNETICS (TOTAL FIELD)

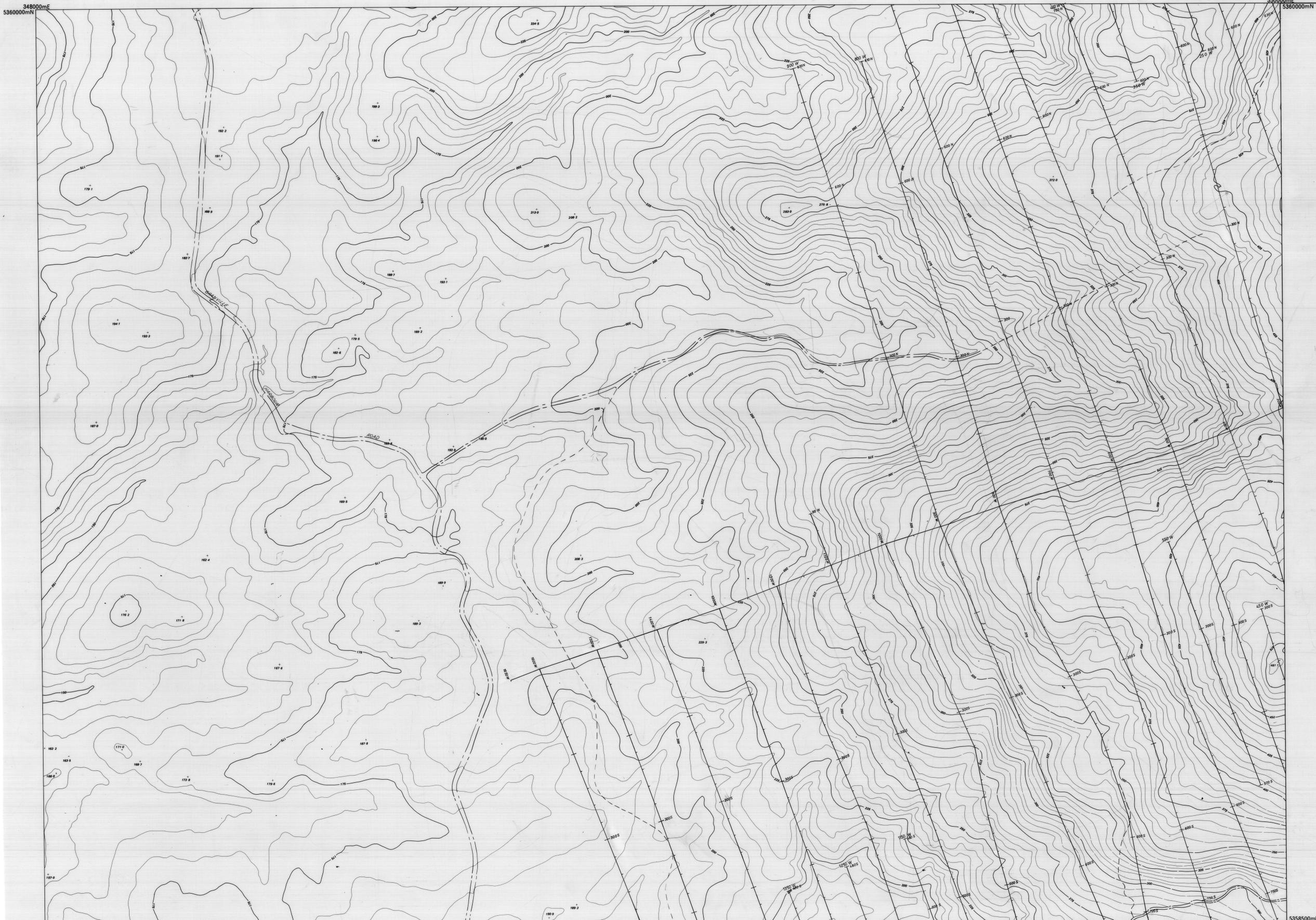
GEOLOGIST: P. ROBERTS
DRAUGHTSMAN: P. COLSON
DATE: JUNE 1980

SCALE 1:2000 METRES

REVISIONS: _____
DRAWING NO. _____

216

216
SHEET 2 OF 2
1:2000



5358500mN 348000mE

5360000mN 350000mE

5 cm

RENSON LIMITED
HEEMSKIRK AREA

GEOLOGIST: DRALIGHTSMAN
DATE: _____
REVISIONS: _____

SCALE 1:2000 METRES

DRAWING NO. _____

COMPLIATION NOTE
This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compact orthophoto from aerial photography dated 12/2/77.
Orthophoto base mapping and photogrammetric contours by Aerial Mapping
Aerial photography Wild PC8
Aerial triangulation Wild A8
Contouring Wild BS
Orthophotos Zeiss Topocart

REFERENCE
Contours
Depressions
Spot Heights
Contour Interval 5 metres
Spot heights to 0.5 metres
REDUCED LEVELS TO AUSTRALIAN HEIGHT DATUM
COORDINATES AUSTRALIAN MAP GRID
Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2
SHEET 3	SHEET 4
SHEET 5	SHEET 6

TRAIL HARBOUR

217

HEEMSKIRK GRANITE AREA
SHEET 3 CONTINUED
ADDRESS



348000mE
5360000mN
5358500mN
348000mE

350000mE
5360000mN
5359500 N
5359 000 N
5358500mN
350000mE

COMPILATION NOTE
 This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12/2/77.
 Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping.
 Aerial photography Wild PC8
 Aerial interpretation Wild AB
 Contouring Wild BB
 Orthophotos Zeiss Topocart

REFERENCE
 Contours
 Dashed lines
 Spot Heights
 Contour
 Broken lines indicate lower reliability
 Contour interval 5 metres
 Spot heights to 0.5 metres
 REDUCED LEVELS TO AUSTRALIAN DATUM
 CO-ORDINATES AUSTRALIAN MAP GRID
 Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2	7
SHEET 3	SHEET 4	9
SHEET 5	SHEET 6	11

4 MT. ACRES

RENSON LIMITED

HEEMSKIRK AREA
SURVEY TRAVERSES

GEOLOGIST:
 DRAUGHTSMAN:
 DATE: FEB. 1981
 REVISIONS:

SCALE 1:2000 METRES

DRAWING NO. 3

HEEMSKIRK GRANITE AREA
 SHEET 3 SURVEY
 ORIGINAL
 2/8

348000mE
5360000mN

350000mE
5360000mN



5358500mN
348000mE

5358500mN
350000mE

COMPILED NOTE

This sheet is a composite of photogrammetric contours superimposed on a half size reproduction of compiled orthophoto from aerial photography dated 12/577.

Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping

Aerial photography Wild RC8

Aerial triangulation Wild A8

Contouring Wild B8

Orthophotos Zeiss Topcon

REFERENCE

- Contours
- Depressions
- Spot Heights
- Control
- N.B. Brown lines indicate lower reliability
- Contour interval 3 metres
- Spot heights to 0.5 metres
- REDUCED LEVELS TO AUST. HEIGHT DATUM
- GRID CO-ORDINATES AUST. MAP. GRID.
- Grid interval 200 metres

SHEET AND INDEX LOCATION



RENSON LIMITED

HEEMSKIRK AREA

GEOLOGIST:	SCALE 1:2000 METRES
DRAUGHTSMAN:	DATE:
REVISIONS:	DRAWING NO.

1:2000

HEEMSKIRK AREA

Sheet 3 of 6
1:2000

HEEMSKIRK AREA
Sheet 3 of 6
1:2000



348000mE
5360000mN

350000mE
5360000mN

5385000mN
348000mE

5385000mN
350000mE

COMPILED NOTE

This sheet is a composite of photogrammetric contours superimposed on a half tone reproduction of compiled orthophotos from aerial photography dated 12/177.
Orthophoto base mapping and photogrammetric contours by Aust. Aerial Mapping
Aerial photography Wild RC8
Aerial triangulation Wild AB
Contouring Wild B8
Orthophotos Zeiss Topocart

REFERENCE

- Contours
- Depressions
- Spot Heights
- Spot Heights
- Contour
- Broken lines indicate lower reliability
- Contour interval 5 metres
- Spot heights to 0.5 metres
- REQUIRED LEVELS TO AUSTRALIAN DATUM
- Grid interval 200 metres

SHEET AND INDEX LOCATION

SHEET 1	SHEET 2
SHEET 3	SHEET 4
SHEET 5	SHEET 6

REVISIONS

NO.	DATE	BY	REVISIONS
1			
2			
3			

FEDERATION GRID
FACTUAL GEOLOGY
LINE MAPPING

SCALE 1:2000 METRES
GEOLOGIST: P. HARRIS
DRAUGHTSMAN: J. LINDSEY
DATE: JUNE 1988
DRAWING NO.

H. HARRIS & SONS
 SHEET 3
 220
 STRONGHOLD
 1:2,000