

MICROFILMED
FICHE No. 013300-

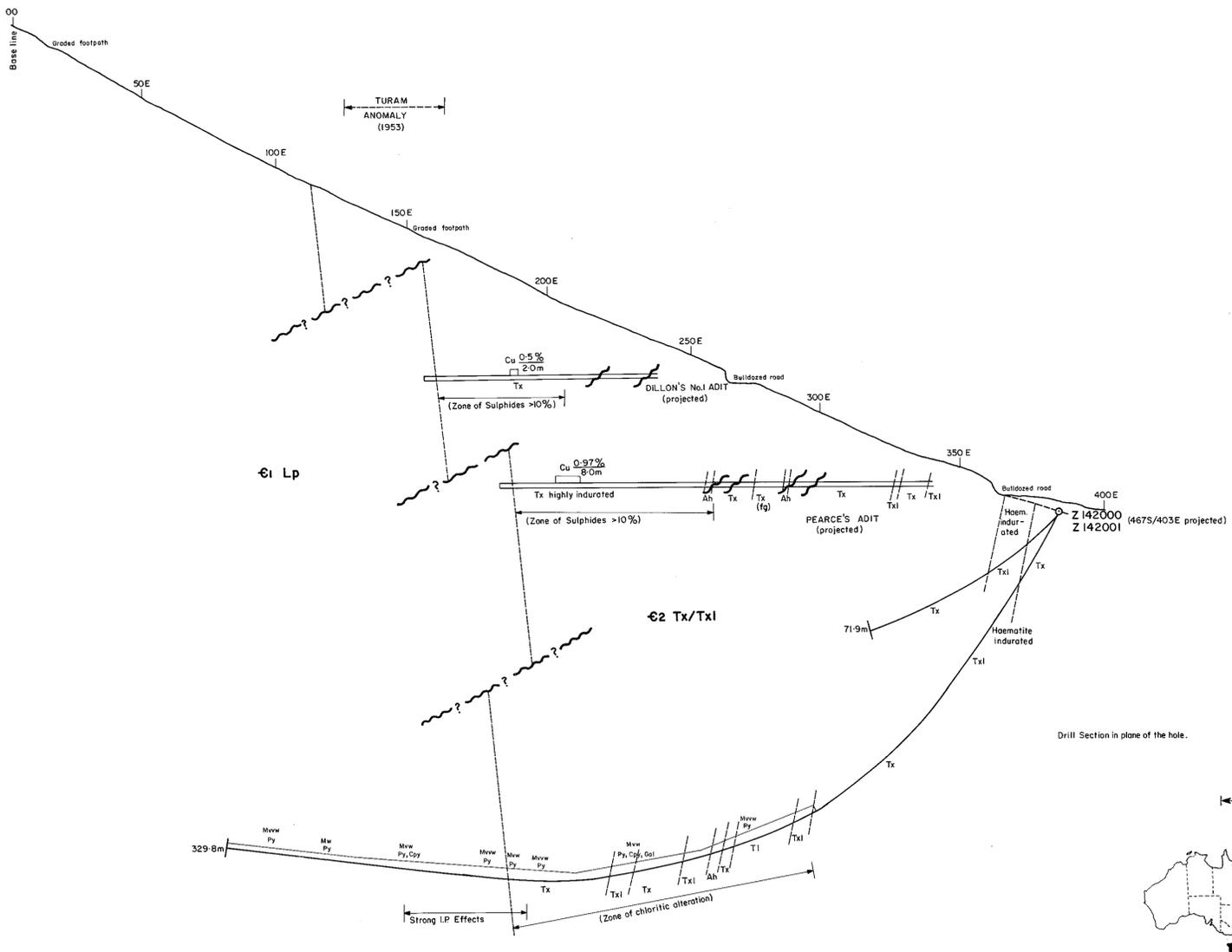
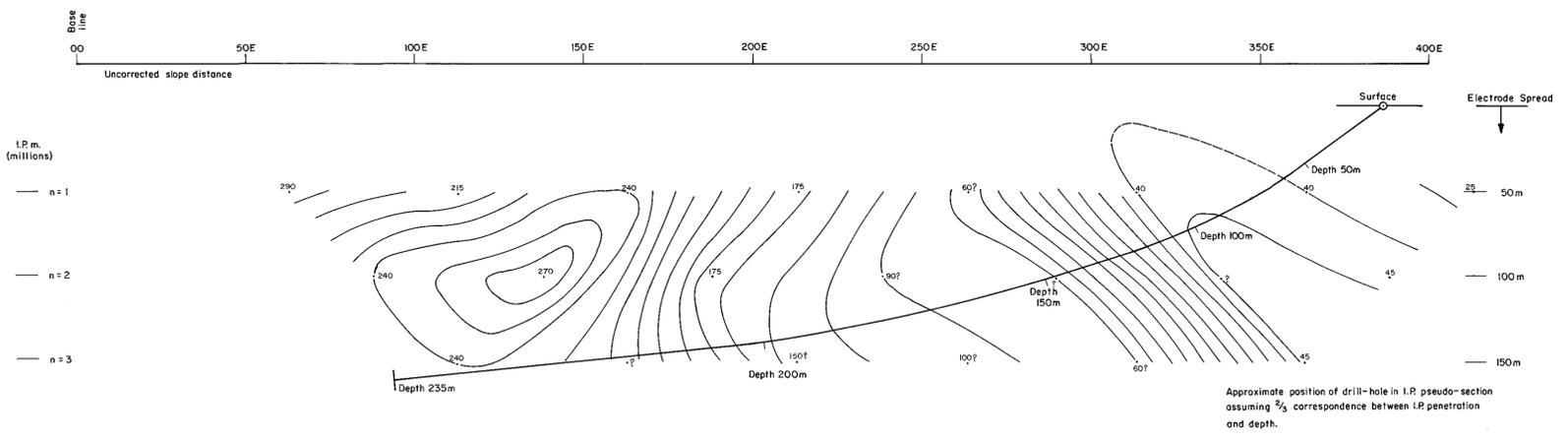
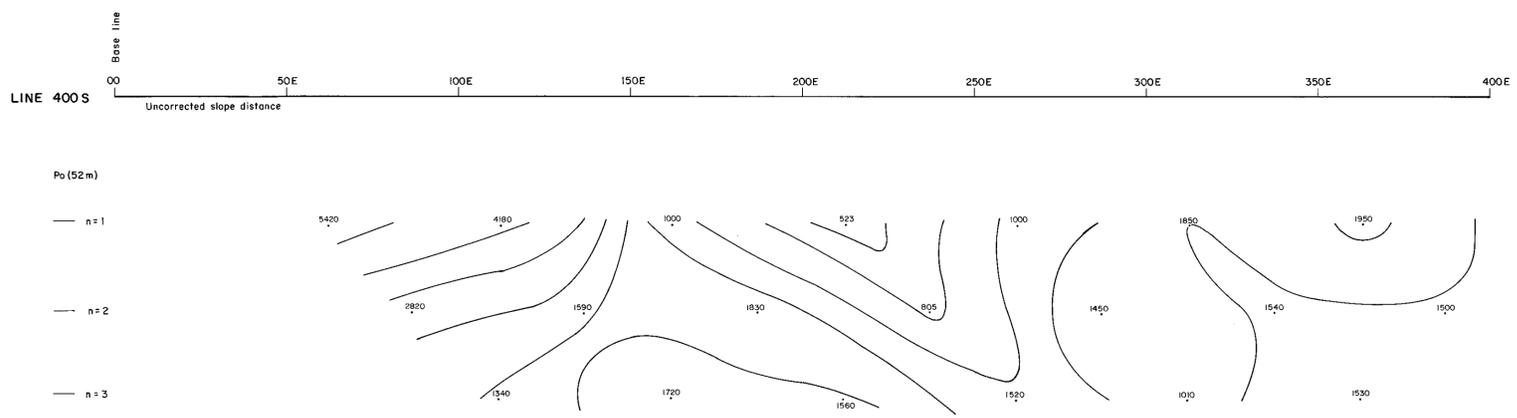
94-3623

A list of transparencies of plans from portions of EL 6/85 relinquished by EZ Co of Australasia and covering the Jukes-Darwin areas.

Jukes - Darwin	Section DDH Z142 000 & Z142 001	1:1 000
" "	Section DDH Z142 002	1:1 000
" "	Airborne EM	1:50 000
" "	Geochem, Cu	1:5 000
" "	Geochem, Pb	1:5 000
" "	Geochem, Zn	1:5 000
" "	Geochem, Au	1:5 000
" "	Location Plan	1:250 000
" "	Location Plan	1:100 000
" "	Geological Traverses & Geology	1:20 000
" "	Mineral Occurrences	1:50 000
" "	Aeromaag Contours	1:50 000
Jukes	Geochem, Zn, Pb	1:5 000
" "	Geochem, Au	1:5 000
" "	Geochem, Cu	1:5 000
" "	Geochem Sample Locations	1:5 000
" "	Interp Geology (March 1985)	1:5 000
" "	Interp Geology (October 1985)	1:5 000
" "	Interp Geology (February 1987)	1:5 000
" "	Fact Geology	1:5 000
" "	Master Base	1:5 000
Darwin	Geochem, Zn, Pb	1:5 000
" "	Geochem, Au	1:5 000
" "	Geochem, Cu	1:5 000
" "	Geochem Sample Locations	1:5 000
" "	Interp Geology (March 1985)	1:5 000
" "	Interp Geology (February 1987)	1:5 000
" "	Fact Geology	1:5 000
" "	Master Base	1:5 000
Clark	Geochem, Zn, Pb	1:5 000
" "	Geochem, Au	1:5 000
" "	Geochem, Cu	1:5 000
" "	Geochem Sample Locations	1:5 000
" "	Interp Geology	1:5 000
" "	Master Base	1:5 000

OPEN FILE

Snake	Geochem, Zn, Pb	1:5 000
" "	Geochem, Au	1:5 000
" "	Geochem, Cu	1:5 000
" "	Geochem Sample Locations	1:5 000
" "	Interp Geology (March 1985)	1:5 000
" "	Interp Geology (October 1985)	1:5 000
" "	Interp Geology (February 1987)	1:5 000
" "	Fact Geology	1:5 000
" "	Master Base	1:5 000
Extended Adit Grid	Geochem, Pb, Zn	1:2 000
" " "	Geochem, Cu, Au	1:2 000
" " "	Geochem Sample Locations	1:2 000
" " "	Geology	1:2 000
" " "	Master Base	1:2 000
" " "	Geology & Au Geochem	1:5 000
Allans Creek Grid	Geochem, Zn	1:5 000
" " "	Geochem, Pb	1:5 000
" " "	Geochem, Au	1:5 000
" " "	Geochem, Cu	1:5 000
" " "	Geochem Sample Locations	1:5 000
" " "	Geology	1:5 000
" " "	Master Base	1:5 000
Norms Quartz Prospect	Geochem, Zn, Pb	1:1 000
" " "	Geochem, Au	1:1 000
" " "	Geochem, Cu	1:1 000
" " "	Geochem Sample Locations	1:1 000
" " "	Geology & Au Geochem	1:1 000
" " "	Geochem Results <i>Fig 9a & 9b</i>	???
Lake Jukes Mine	Fact Geology	1:250
" " "	Adit Sample Locations	1:250
Upper Lake Jukes	Interp Geology	1:5 000
" " "	Samples & Cut Lines Locations	1:5 000
" " "	Collins Adit, Fact Geology	1:250
" " "	Collins Adit, Sample Locations	1:250
South Darwin	Grid Lines	1:5 000
" "	Sample Locations	1:5 000
Findons Area	Geology & Sample Locations	1:5 000
Intercolonial Spur	Grid Lines, Sample Locations & Fact Geology	1:5 000



LEGEND

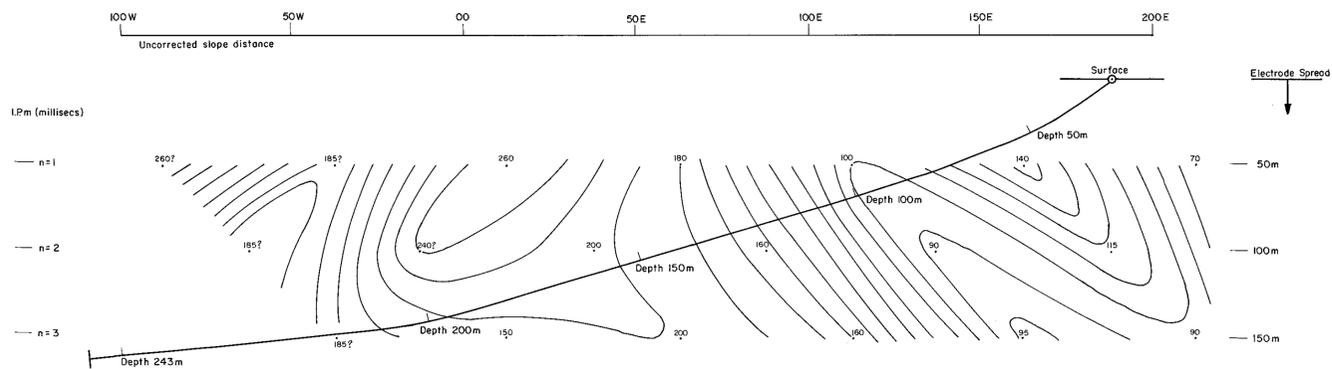
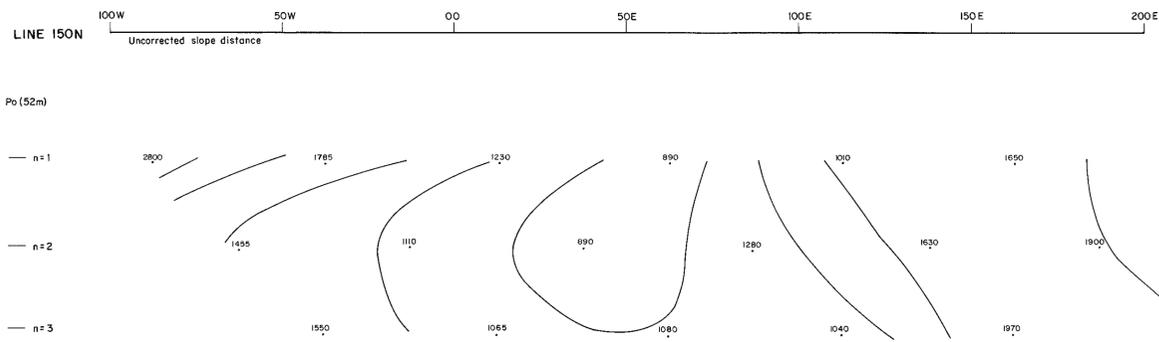
- C** Crystal Tuff showing ignimbrite flow texture Schistose.
- A** Crystal Lithic Tuff: clasts (2cm-20cm) poorly sorted but orientated in a crystal tuff matrix represents pyroclastic flow material Schistose.
- M** Lithic Tuff: clasts (1cm-4cm) streaked out in fg. matrix of ash represents air fall material Schistose.
- B** Ash: fg. highly silicified cherty material, massive.
- R** Massive Lavas: porphyritic, with characteristic saccharoidal texture, grey-purple. Frequent zones of pink, cherty haematite-rich material containing haematite - magnetite veinlets.
- I** Flanking Pyroclastics
- Ah** Ash
- Lp** Central core Rhyolites

- Mvw
- Mvw
- Mw
- Assay > 0.5% Cu
- Py = pyrite
- Cpy = chalcopyrite
- Gal = galena

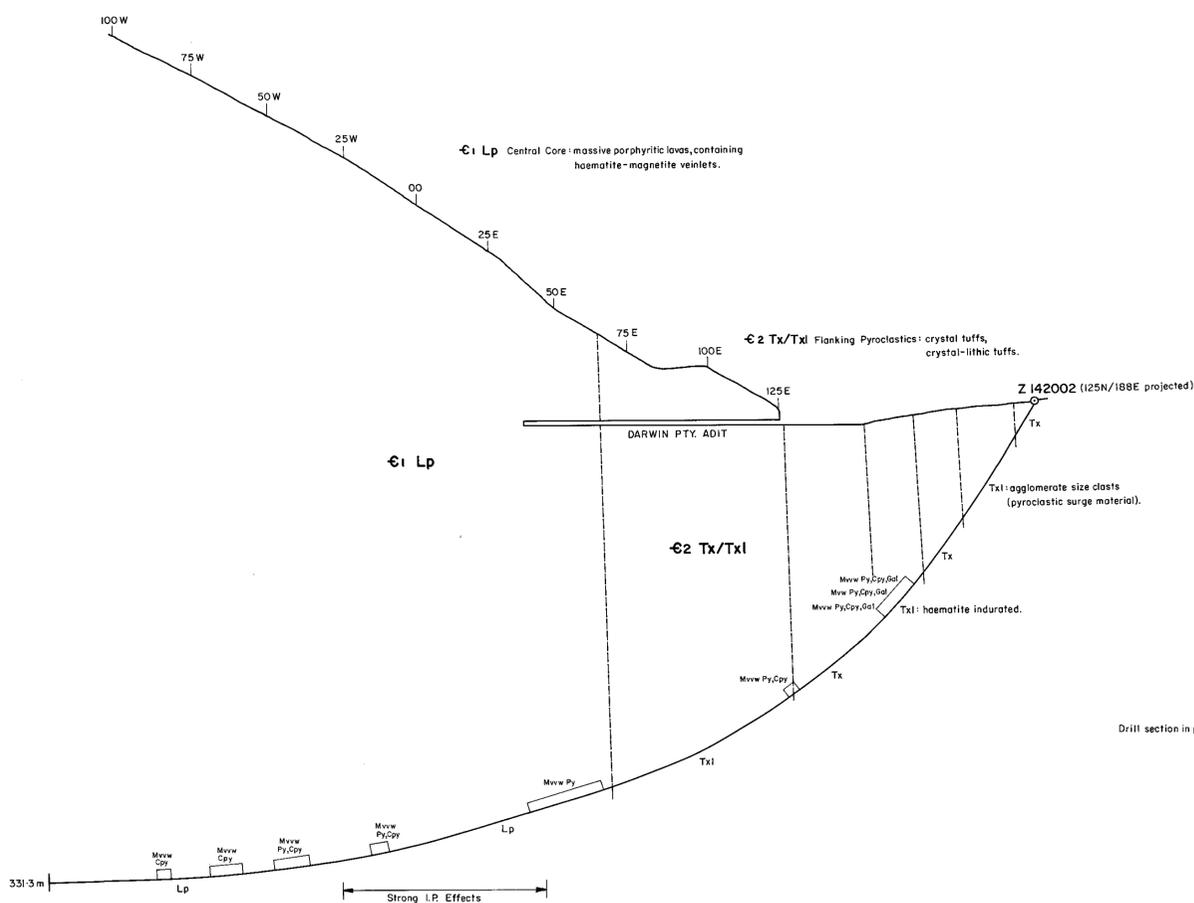


ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN	TAS.
EAST DARWIN	
DRILL HOLE PROFILES: Z142000 and Z142001	
PROJECTED TO LINE 400 S	
Compiled: I.N.A.L.	Date: 22-4-74
AMG:	Scale: 1:1000
Drawn: J.C.	Latitude:
File No:	Longitude:
PLAN NO:	



Approximate position of drill hole in LP pseudo-section assuming a $\frac{2}{3}$ correspondence between LP penetration and depth.



LEGEND

C
A
M
B
R
I
A
N

- Tx** Flanking Pyroclastics
- Txl** Flanking Pyroclastics
- Lp** Central Core Rhyolites

Crystal Tuff: showing ignimbrite flow texture. Schistose.
 Crystal-Lithic Tuff: clasts (2cm-20cm) poorly sorted but orientated in crystal tuff matrix represents pyroclastic flow material. Minor airfall material intercolations. Schistose.
 Massive Lavas: porphyritic, with characteristic saccaroidal texture, grey-purple. Frequent zones of pink, cherty, haematite rich material containing haematite-magnetite veinlets.

Mineralisation (Total sulphides)

- Mvw
- Mv
- Mw

Mineral Types.

- Py = pyrite.
- Cpy = chalcopyrite.
- Gal = galena.



ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 MINERAL RESOURCES DIVISION

PROJECT: JUKES - DARWIN TAS.

EAST DARWIN

DRILL HOLE PROFILE Z142002

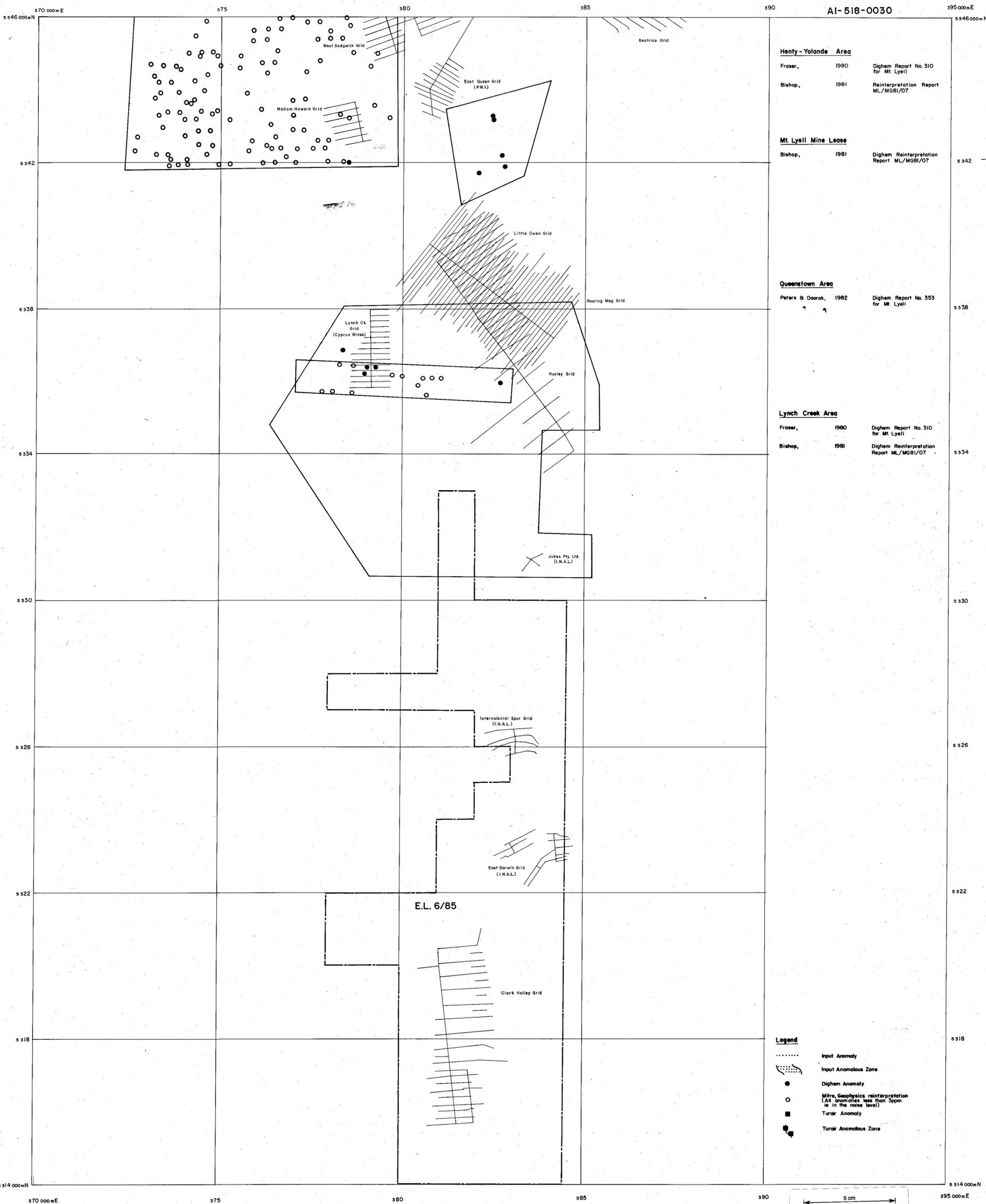
PROJECTED TO LINE 150N

Compiled: I.N.A.L. Date: 21-4-74 Scale: 1:1000

AMG: Latitude: Longitude:

Drawn: J.C. File No: PLAN NO:

AI-518-0023



AI-518-0030

Henty-Yolande Area		
Froser,	1980	Dighem Report No. 310 for Mt. Lyell
Bishop,	1981	Reinterpretation Report ML/MGBI/07
Mt. Lyell Mine Lease		
Bishop,	1981	Dighem Reinterpretation Report ML/MGBI/07
Queenstown Area		
Peters & Doork,	1982	Dighem Report No. 353 for Mt. Lyell
Lynch Creek Area		
Froser,	1980	Dighem Report No. 310 for Mt. Lyell
Bishop,	1981	Dighem Reinterpretation Report ML/MGBI/07

Legend

- Input Anomaly
- Input Anomalous Zone
- Dighem Anomaly
- Mire Geophysics re-interpretation (All anomalies less than 30ppm are in the noise level)
- Turair Anomaly
- Turair Anomalous Zone

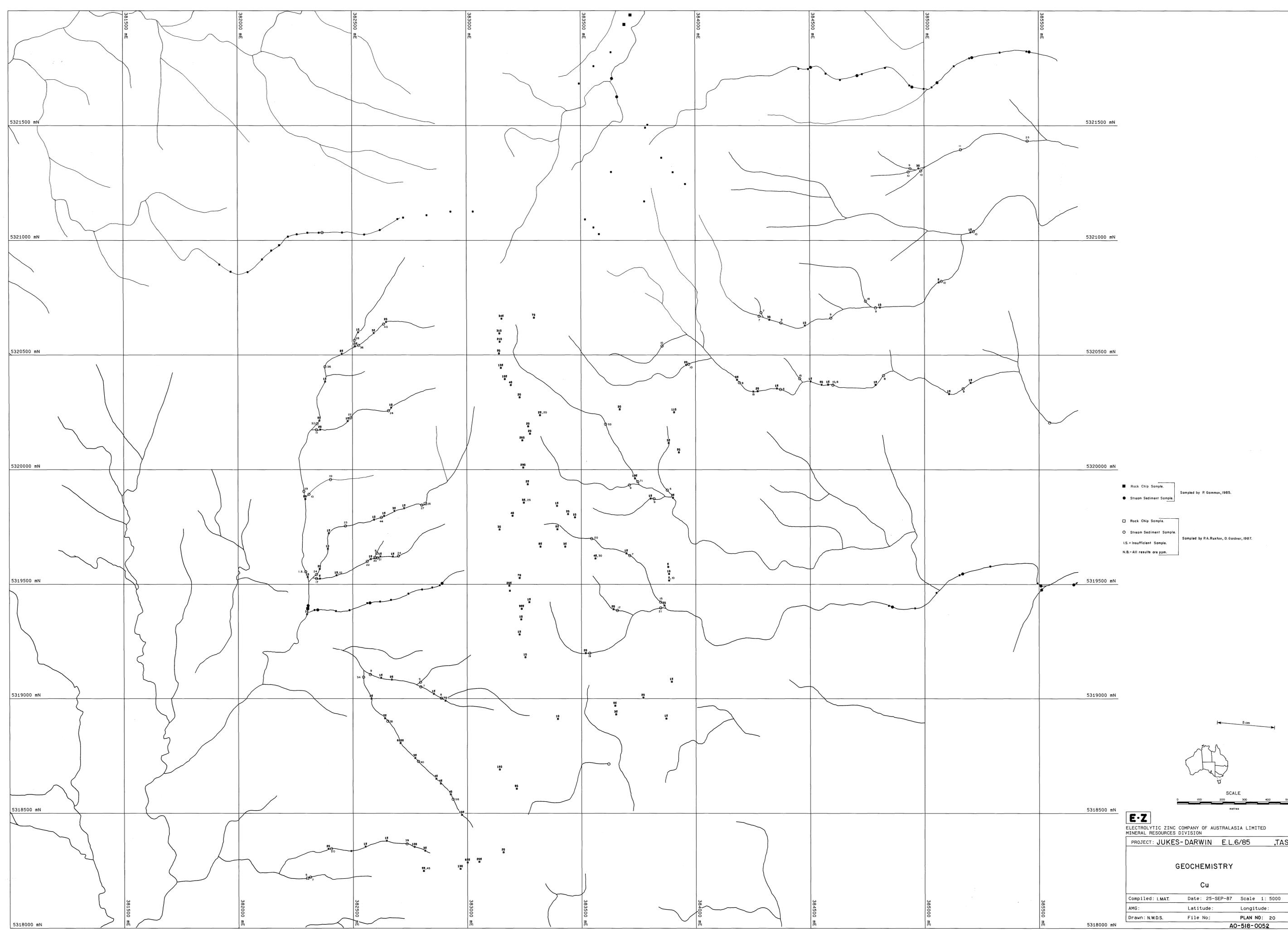
5 cm

0 1 2 3 4 5
kms.

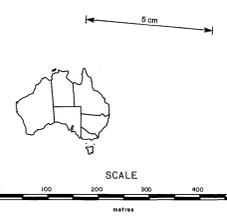
ELECTROLYTIC ZINC CO. of ASIA LTD.
PROJECT: JUKES-DARWIN E.L.6/85, TAS.

AIRBORNE E.M.

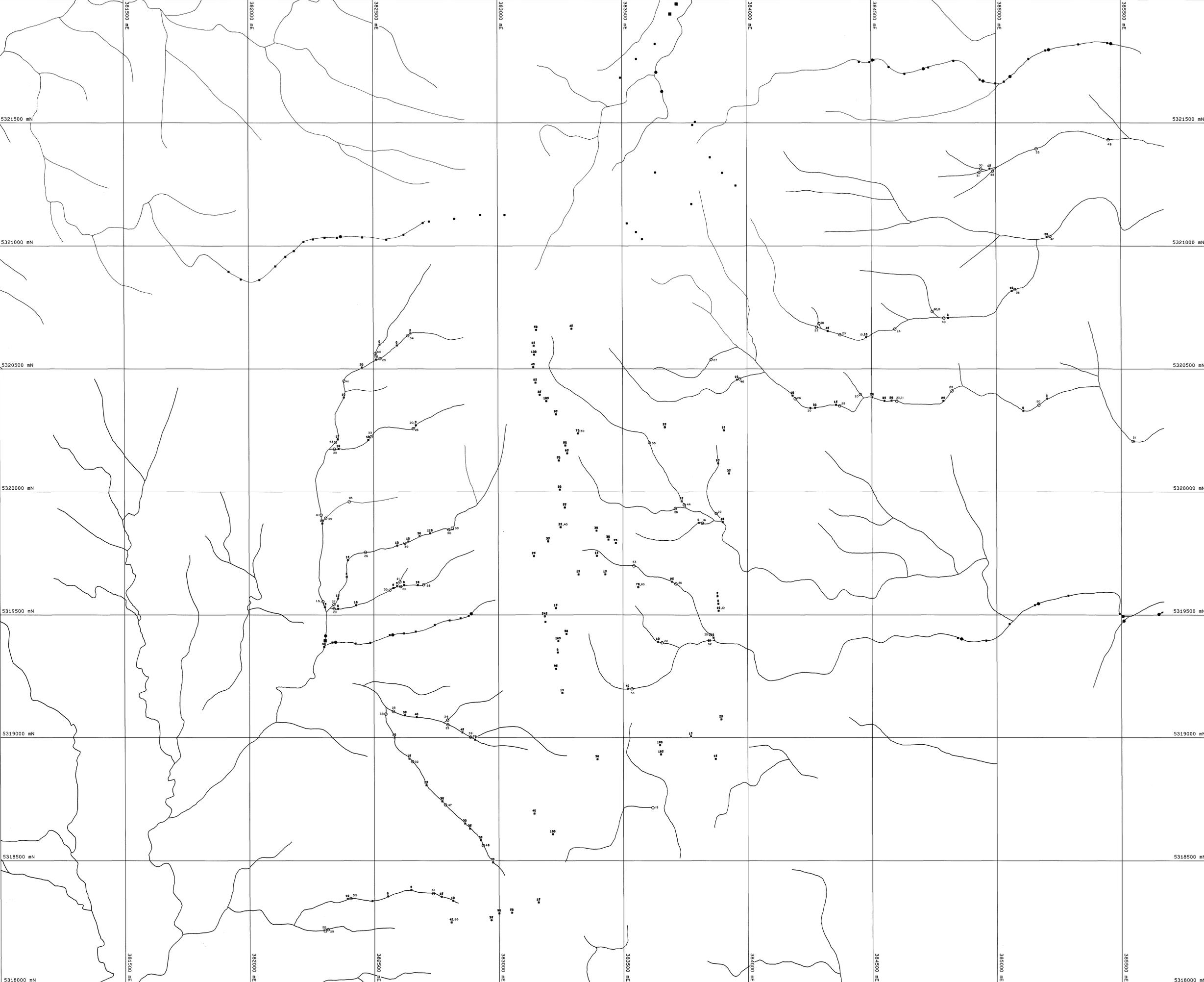
Scale: 1:50,000	Survey: I. MAT.	Revised:
Reference:	Date: 7-12-86	Ref. No.
Drawn: N.W.D.S.	Checked:	AI-518-0030



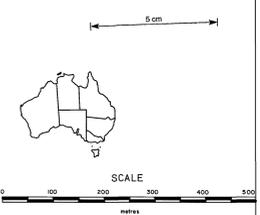
- Rock Chip Sample. Sampled by R. Gorman, 1985.
- Stream Sediment Sample.
- Rock Chip Sample. Sampled by R.A. Ruxton, D. Gardner, 1987.
- Stream Sediment Sample.
- I.S. = Insufficient Sample.
- N.B. - All results are ppm.



E-Z	
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION	
PROJECT: JUKES - DARWIN E.L. 6/85 ,TAS.	
GEOCHEMISTRY	
Cu	
Compiled: i.MAT	Date: 25-SEP-87 Scale 1: 5000
AMG:	Latitude: Longitude:
Drawn: N.W.D.S.	File No: PLAN NO: 20
A0-518-0052	

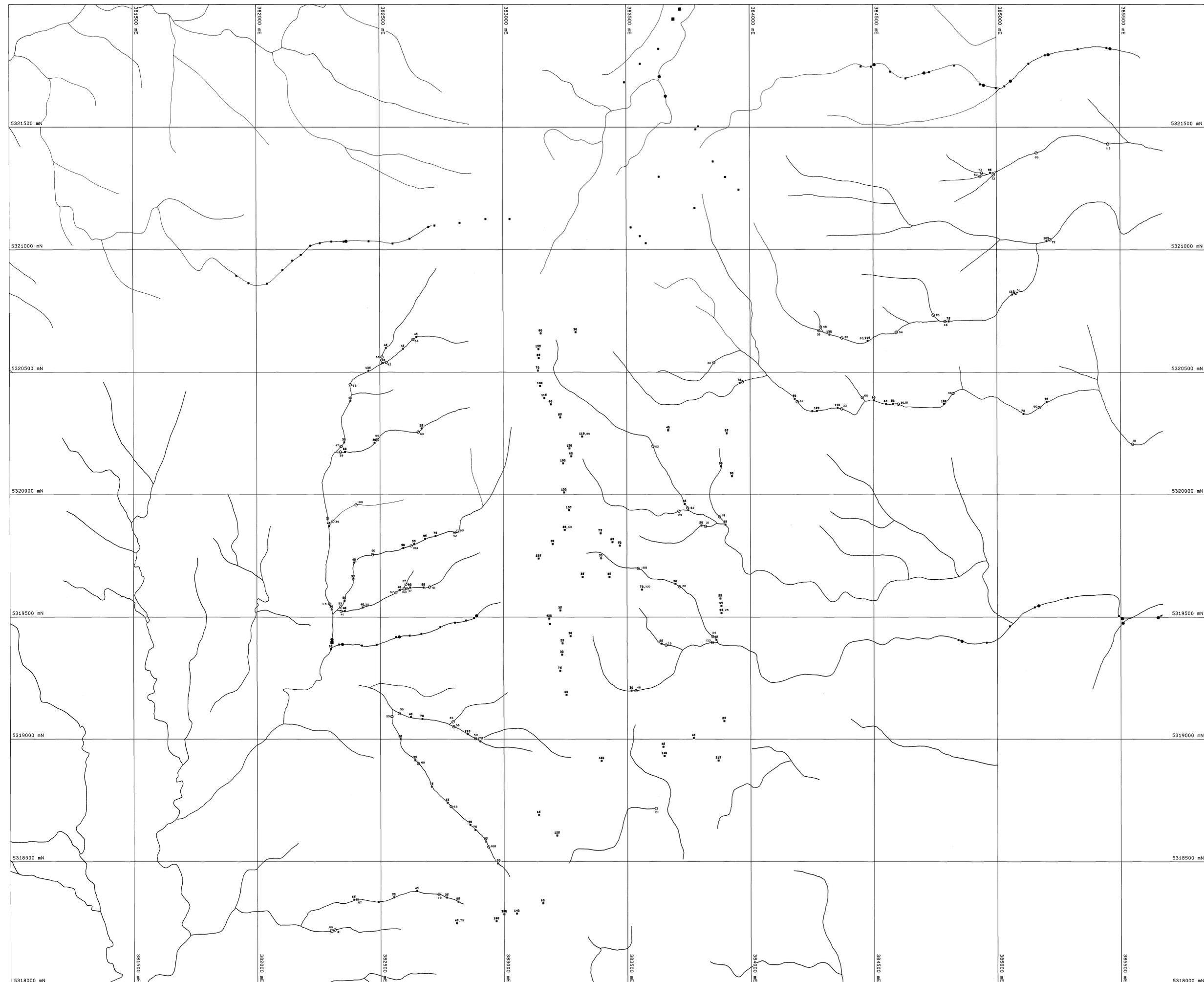


- Rock Chip Sample. Sampled by P.Gannon, 1985.
- Stream Sediment Sample.
- Rock Chip Sample. Sampled by P.A.Ruston, D.Gardner, 1987.
- Stream Sediment Sample.
- I.S. = Insufficient Sample.
- + Below level of detection.
- N.B. - All results are ppm.

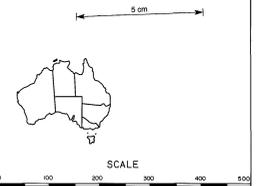


E-Z		
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES-DARWIN E.L.6/85 , TAS.		
GEOCHEMISTRY		
Pb		
Compiled: L.MAT.	Date: 25-SEP-87	Scale 1: 5000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 21
		AO-518-0051

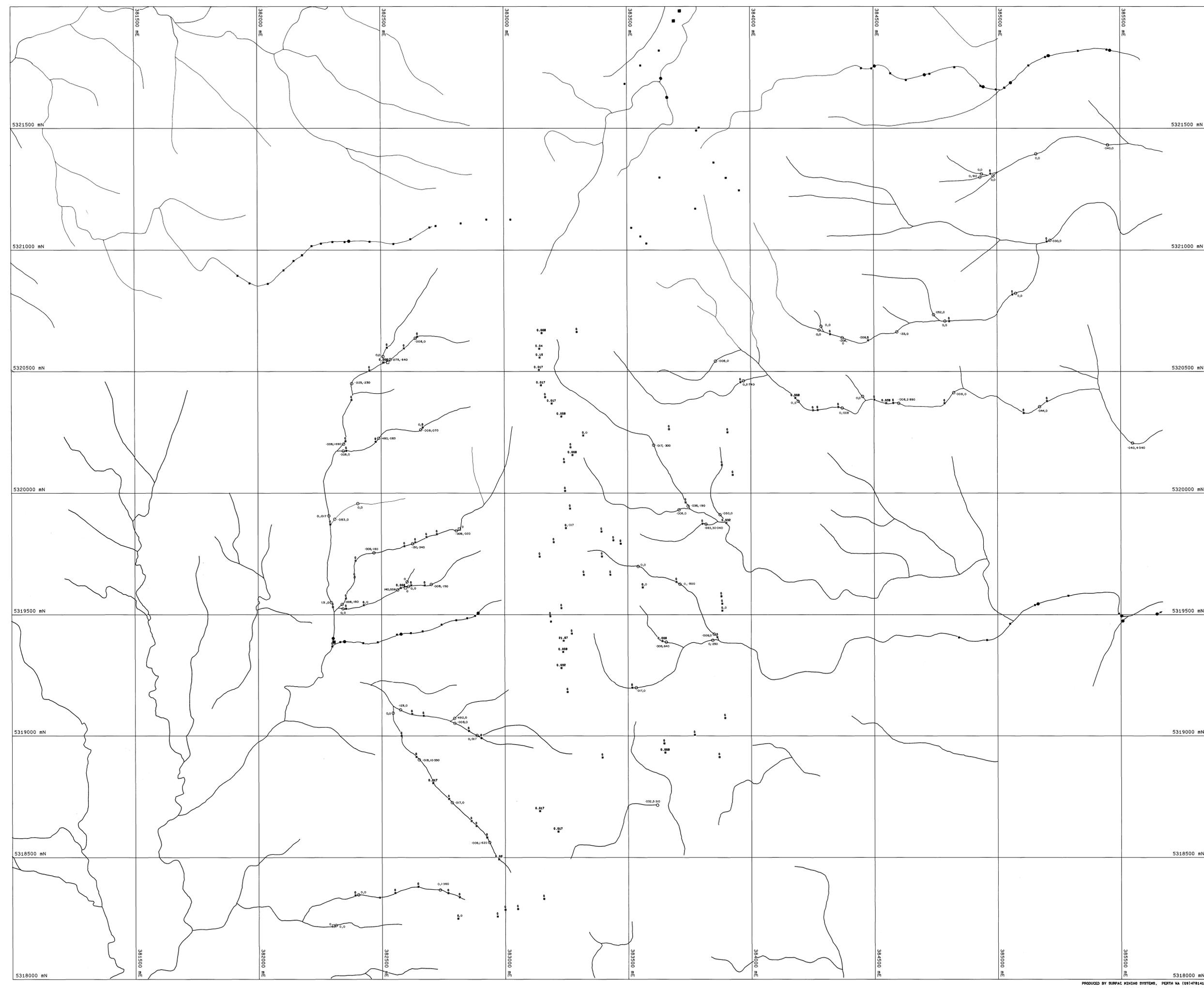
TOR 94-1623
E.L. 6/85
JUKES - DARWIN



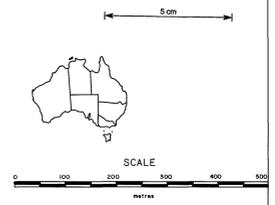
- Rock Chip Sample. Sampled by P. Gammon, 1985.
- Stream Sediment Sample.
- Rock Chip Sample. Sampled by P.A. Ruxton, D. Gardner, 1987.
- Stream Sediment Sample.
- I.S. = Insufficient Sample.
- N.B. - All results are ppm.



E-Z	
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION	
PROJECT: JUKES-DARWIN E.L.6/85 TAS.	
GEOCHEMISTRY	
Zn	
Compiled: i.MAT.	Date: 25-SEP-87 Scale 1: 5000
AMG:	Latitude: Longitude:
Drawn: N.W.D.S.	File No: PLAN NO: 22
AO-518-0050	

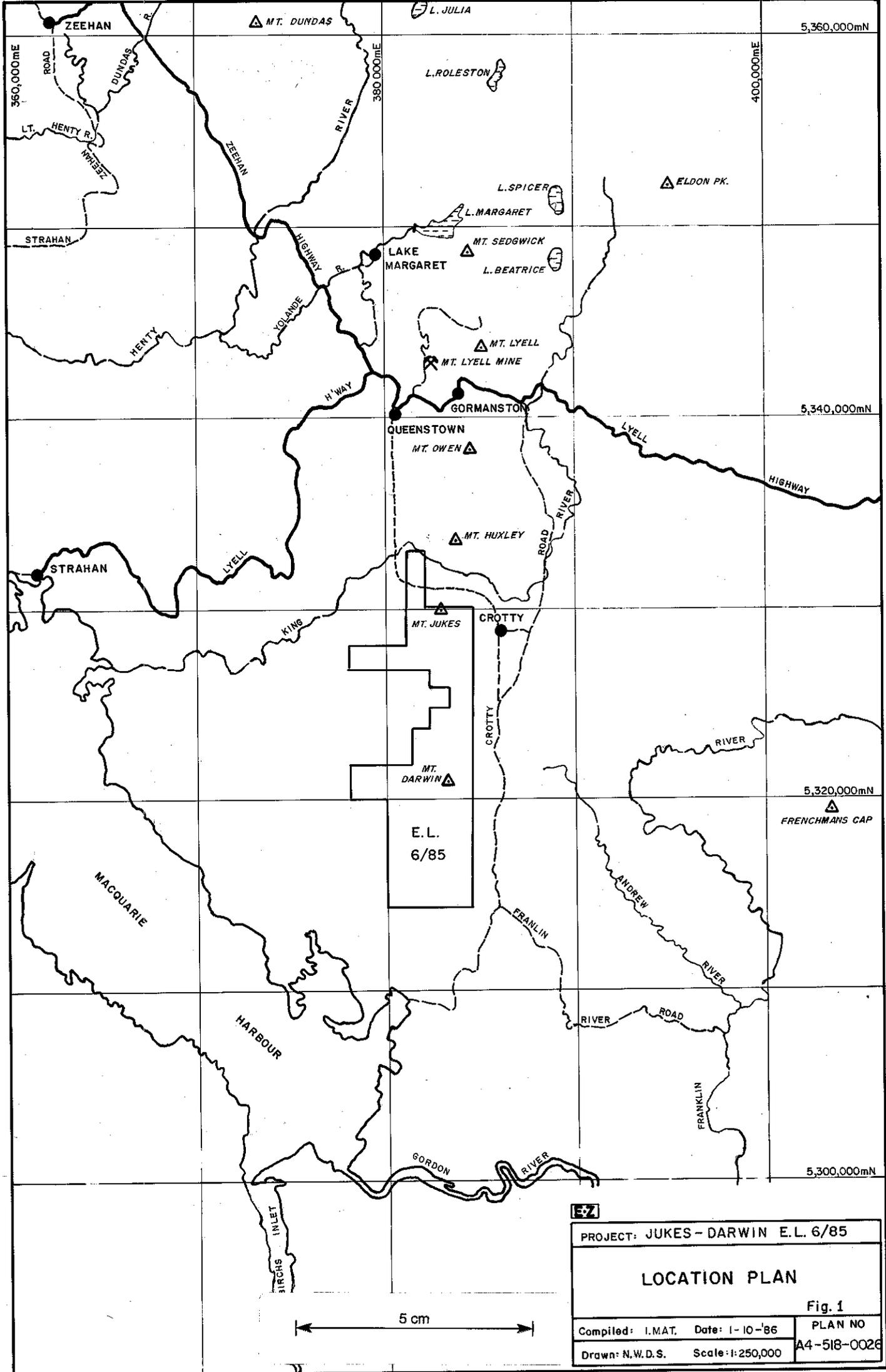


- Rock Chip Sample. Sampled by P. Gammon, 1985.
- Stream Sediment Sample.
- Rock Chip Sample.
- Stream Sediment Sample.
- + -008 - Below Detection. Sampled by P.A. Ruxton, D. Gardner, 1987.
- - Insufficient Sample.
- N.B. - All results are ppm.



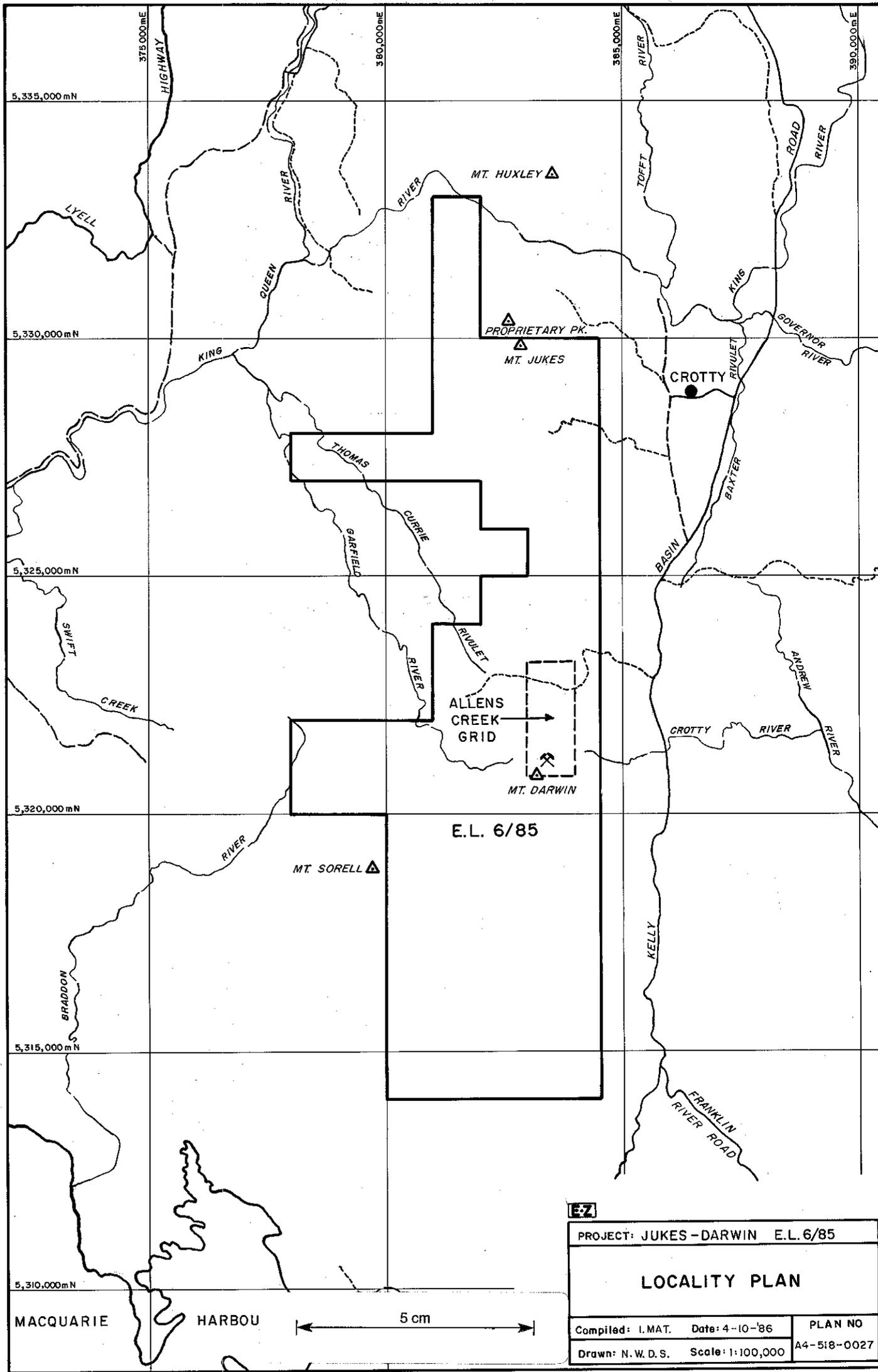
E-Z		
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES-DARWIN E.L. 6/85 TAS.		
GEOCHEMISTRY		
Au		
Compiled: I.M.A.T.	Date: 25-SEP-87	Scale: 1: 5000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 12
		A0-518-0049

TCR 94-3623
 EL 6/85
 E Z CO
 JUKES - DARWIN

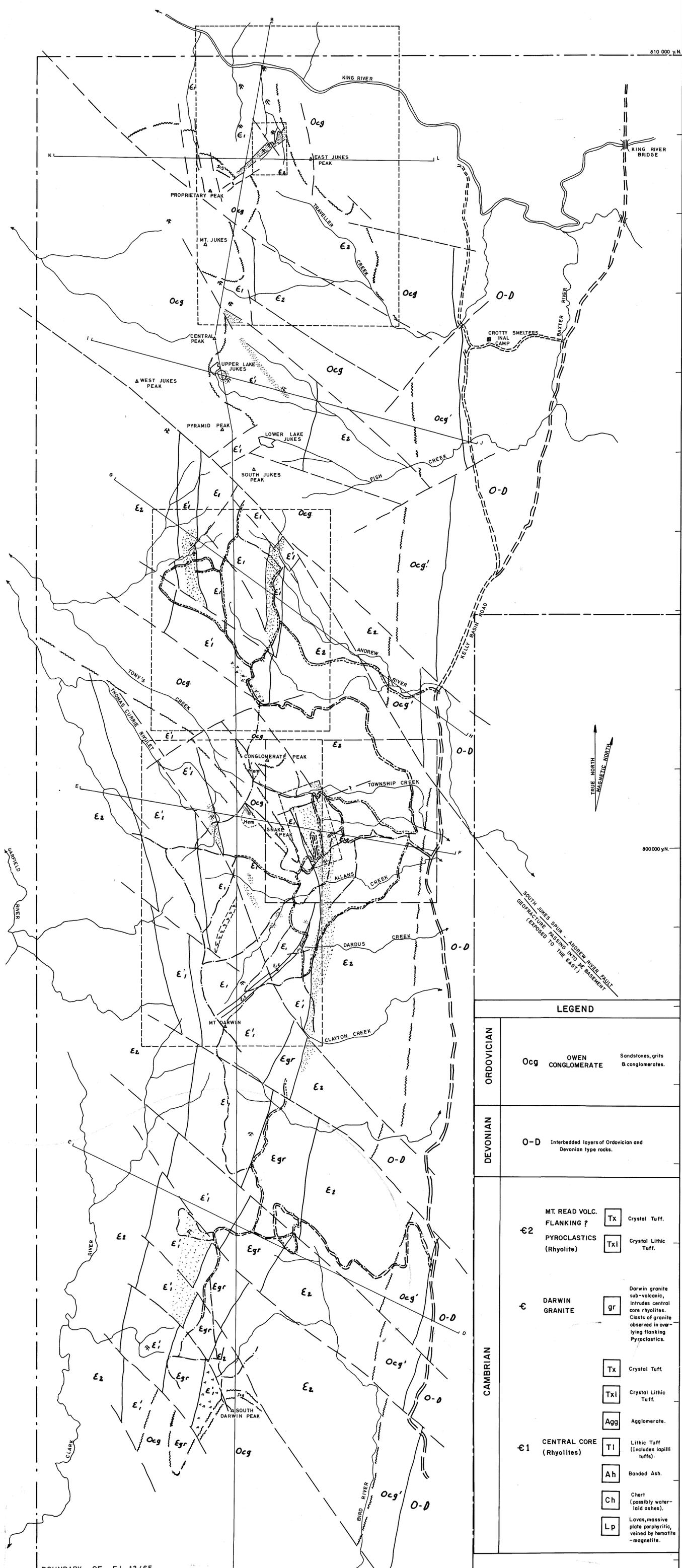


PROJECT: JUKES - DARWIN E.L. 6/85	
LOCATION PLAN	
Fig. 1	
Compiled: I.MAT. Date: 1-10-86	PLAN NO
Drawn: N.W.D.S. Scale: 1:250,000	A4-518-0026

TCR 94-3623
 EL 6/85
 E Z CO
 JUKES - DARWIN



PROJECT: JUKES - DARWIN E.L. 6/85	
LOCALITY PLAN	
Compiled: I.MAT.	Date: 4-10-86
Drawn: N.W.D.S.	Scale: 1:100,000
PLAN NO A4-518-0027	

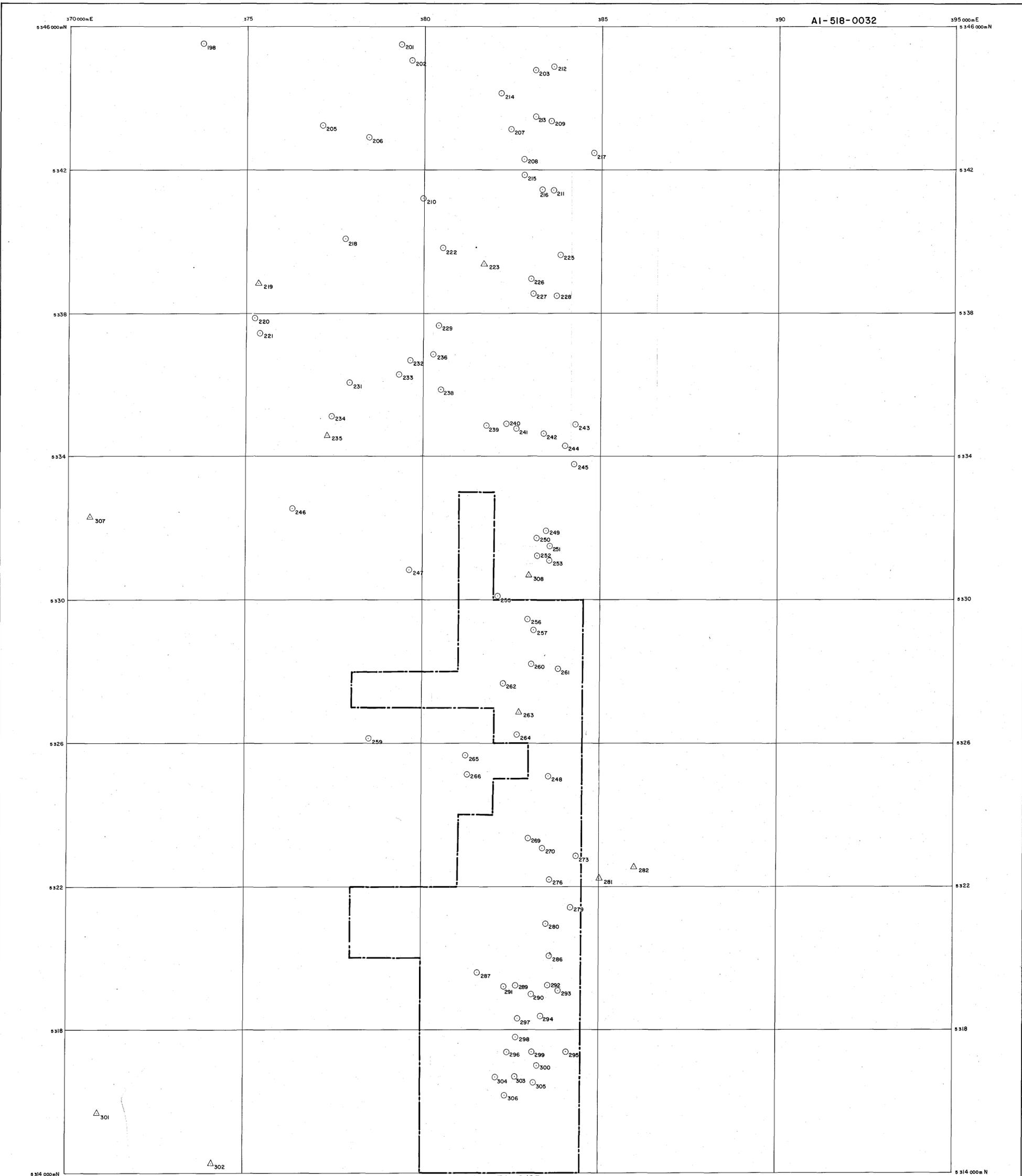


LEGEND			
ORDOVICIAN	Ocg OWEN CONGLOMERATE Sandstones, grits & conglomerates.		
	O-D Interbedded layers of Ordovician and Devonian type rocks.		
DEVONIAN	E2 MT. READ VOLC. FLANKING ? PYROCLASTICS (Rhyolite)	Tx Crystal Tuff. TxI Crystal Lithic Tuff.	
	E1	Darwin granite sub-volcanic, intrudes central core rhyolites. Clasts of granite observed in overlying flanking Pyroclastics.	
	CAMBRIAN	Tx Crystal Tuff. TxI Crystal Lithic Tuff. Agg Agglomerate.	
		T1 Lithic Tuff (Includes lapilli tuffs). Ah Banded Ash. Ch Chert (possibly water-laid ashes). Lp Lavas, massive plate porphyritic, veined by hematite-magnetite.	

INTERNATIONAL NICKEL AUST. LTD.
 TASMANIA
 E.L. 13/65 JUKES - DARWIN
 GEOLOGICAL TRAVERSES
 &
 GEOLOGY

SCALE 1:20 000 DATE 1978
 SURVEY. G.D. DRAWN. R.A.H. BX-518-0001

TOR 94-2623
 E.L. 13/65
 JUKES - DARWIN



AI-518-0032

Boundary E.L. 6/85

NO.	MINE	COMMODITIES	NO.	MINE	COMMODITIES	NO.	MINE	COMMODITIES
198	Sisters Hills	limonite.	231	Princess River Mine.	Au.	270	Snake Peak.	hem., py., Br.
201	West Sedgwick.	py.	232	Dolphons Asbestos.	Asbestos.	273	East Darwins Workings.	Cu (Pb, Ag, Au).
202	Lake Margaret Road gold.	Au.	233	King River Gold.	Au.	276	Allen Creek.	Au.
203	Lylell-Comstock.	Cu (Au, Ag).	234	Lynchford Copper.	Cu.	279	Mt. Lylell Extended.	Cu.
205	Diamond Hill.	Au (Pb, Zn, Fe).	235	X.	Limestone.	280	Mt. Lylell Consols.	Cu, Pb.
206	Madam Howard Plains.	Br., py.	236	Upper Lynch Creek.	?	281	Sect. 2161-93M.	Cu, Ag, Au.
207	West Tharston.	Cu (Au, Ag).	238	Lynch Creek South.	Au.	282	Dorville Quarry.	Limestone.
208	Royal Thomas (incl. West Lylell).	Cu (Au, Ag).	239	Diorite Creek West Gold.	Au.	286	Thompson P.A.	Cu.
209	Lylell Blocks.	Cu.	240	Mt. Ellen Gold Mine.	Au.	287	Slote Spur Gold.	Au.
210	Roggeby Ann.	Au.	241	Conglomera Creek (Pyrite).	py.	289	North Prince Darwin.	Cu, Br.
211	King Lylell.	Cu.	242	Mountain Maid.	py.	290	Section 3184.	Cu (Au, Ag).
212	Tasman Crown Lylell.	Pb, Zn, Ag, (Au, Cu).	243	Hawth's Section.	Cu (Pb).	291	Clark Valley.	Au.
213	North Lylell (incl. Crown Lylell).	Cu (Au, Ag).	244	Mt. Huxley Copper.	Cu.	292	North Darwins Plateau.	Au.
214	Copp. Horn.	Cu (Au, Ag).	245	Mt. Huxley East.	py.	293	Section 3252.	Cu, Ag.
215	Prince Lylell.	Cu (Au, Ag).	246	Riddings Anthony.	Br.	294	Hepburn, Limestone.	py, hem.
216	The Blow (Mt. Lylell).	Cu, Au, Ag (Pb, Zn, Br).	247	Harris' Reward Gold.	Au (Pb).	295	Section 3858.	Br.
217	McDowell P.A.	Au.	248	Taylor's Reward.	Br (Cu).	296	South Prince Darwin.	py, hem.
218	Madam Howard Mine.	Limestone.	249	Jukes Consols.	Cu.	297	Prince Darwin Mine.	Cu, Ag.
219	Newall River.	Limestone.	250	North Mt. Jukes.	?	298	Cosbough's Section.	hem.
220	Macquarie Mine.	Au.	251	Imperial Jukes.	?	299	Cowan's Section.	py.
221	Woody Hill Mine.	Au.	252	King Jukes Mine.	Cu (Pb, Ag).	300	Section 5551.	Cu, Au, Ag.
222	Sandstone Hill Galena.	Pb.	253	Mt. Jukes Pty.	Cu, Ag, Au.	301	Strathon Deposit.	Coal.
223	X.	Au.	254	Crown Jukes.	?	302	X.	Coal.
225	Moore Creek Gold.	Au.	255	Crown Jukes.	?	303	Tasman Darwin Exp'd.	Cu.
226	Little Owen No. 1.	Cu.	256	Crown Jukes.	Cu, Ag, Au.	304	Tasman Darwin.	Cu.
227	Little Owen No. 2.	Cu, Pb.	257	Croftly Jukes.	?	305	Section 5562.	(Ag), py.
228	Conglomera Creek (Copper).	Cu.	258	Flanagan's Flat.	Au.	306	Section 5221.	hem.
229	Golflinks East.	Cu.	259	Lake Jukes Mine.	Cu, Au, Ag, Pb.	307	X.	Pb, Ag.
			260	Bacon & Thow.	Cu.	308	Tropic Anomaly 28.	Cu (Ag, Au).
			261	Lake Jukes Pty.	hem.	309	Bird River.	hem.
			262	X.	Cu.			
			263	X.	Cu.			
			264	Hydes Prospect.	Cu, Ag.			
			265	Sailor Jack Gold.	Au.			
			266	Snake Spur Costean.	Cu.			
			269	Findon's Section.	Cu.			

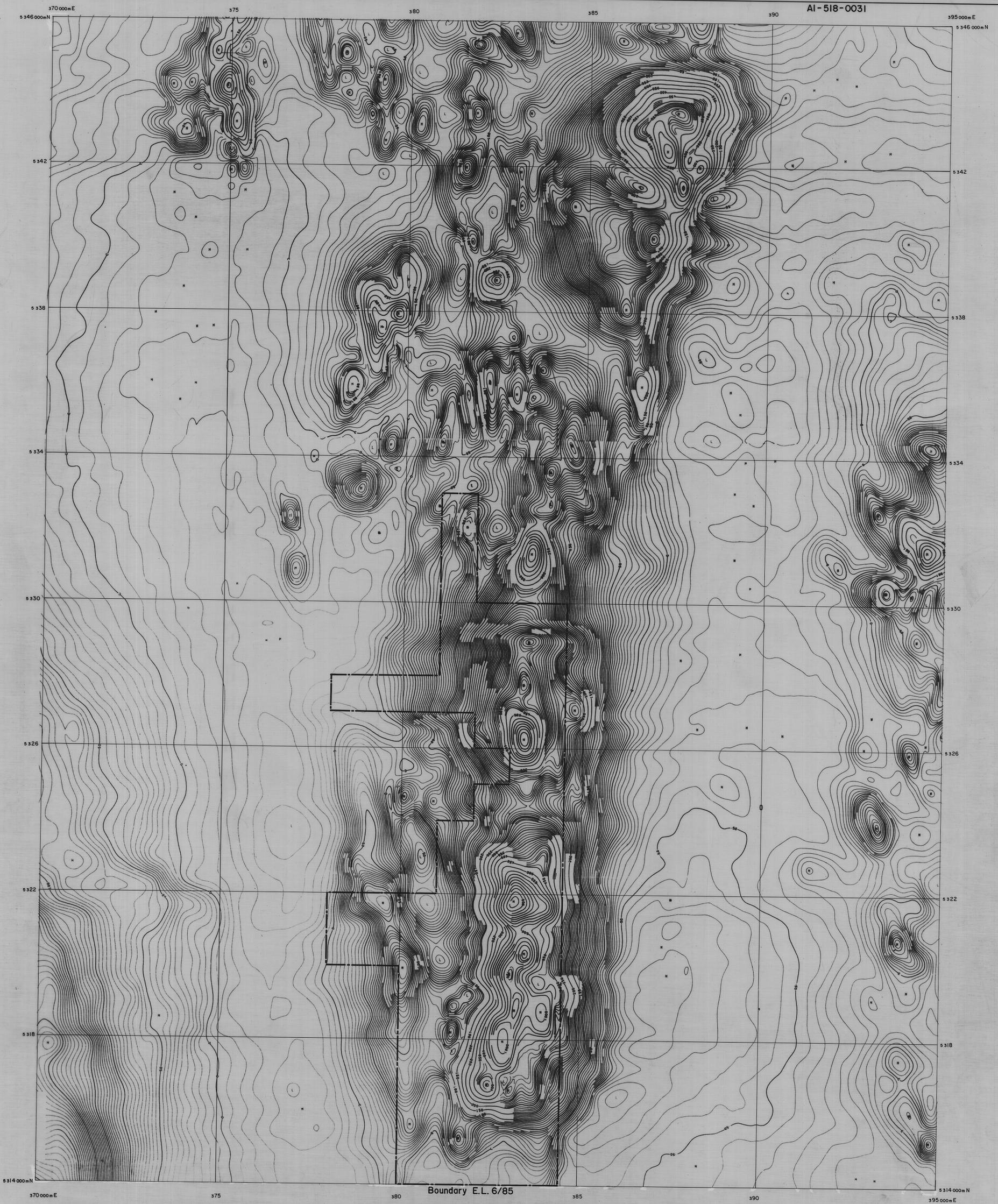
LEGEND
 ○ Position accurate.
 △ Position approximate.

ACKNOWLEDGEMENT
 Information is from the GETTY-E.Z.-MT LYLELL compilation project.
 Sheet number AI-528-0024.

ELECTROLYTIC ZINC CO. of ASIA LTD.
PROJECT: JUKES-DARWIN E.L. 6/85, TAS.

MINERAL OCCURENCES

Scale: 1:50,000	Survey: I.MAT.	Revised:
Reference:	Date: 9-12-86	Ref. No.
Drawn: N.W.D.S.	Checked:	AI-518-0032



Boundary E.L. 6/85



ELECTROLYTIC ZINC CO. of A'ASIA LTD.
PROJECT: JUKES-DARWIN E.L.6/85, TAS.

AEROMAGNETIC RESIDUAL
TOTAL
INTENSITY CONTOURS

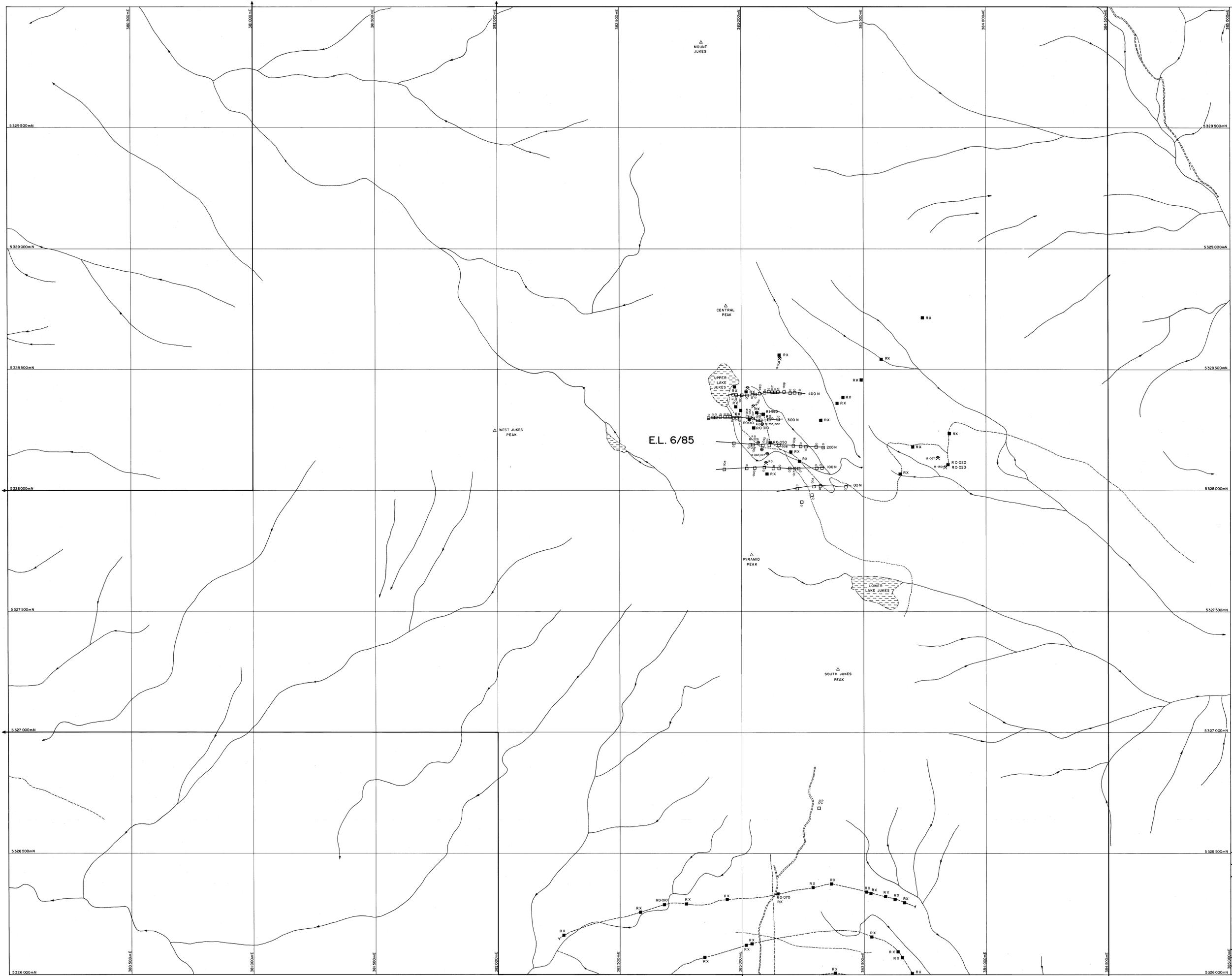
Scale: 1:50,000	Survey: I.MAT.	Revised:
Reference:	Date: 9-12-'86	Ref. No.
Drawn: N.W.D.S.	Checked:	AI-518-0031

ACKNOWLEDGEMENT

Information is from the GETTY-E.Z.-MT. LVELL compilation project.
Sheet number AI-528-0051.



Survey by GEOEX Pty Ltd for the
DEPARTMENT OF MINES, Tasmania,
May 1981.
CONTOUR INTERVAL 5n Tesla

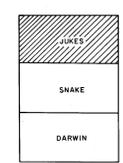


□ 017 - Rock Chip Sample.
 ✕ 017 - Trenches-Rock Chip.
 ⊕ 067 - Adits - Rock Chip - Surface.
 ○ - Below level of detection. (= 008).
 N.B. - All results are ppm.
 Samples 72301-42 taken 1/1/84 in adits.

Sampled by P.A. Ruxton,
D. Gardner, 1987.

■ R20 - Rock Chip Sample.
 ● S50 - Stream Sediment Sample.
 N.B. - All results are ppm.
 X - Below level of detection.

Sampled by R Gammon
1985



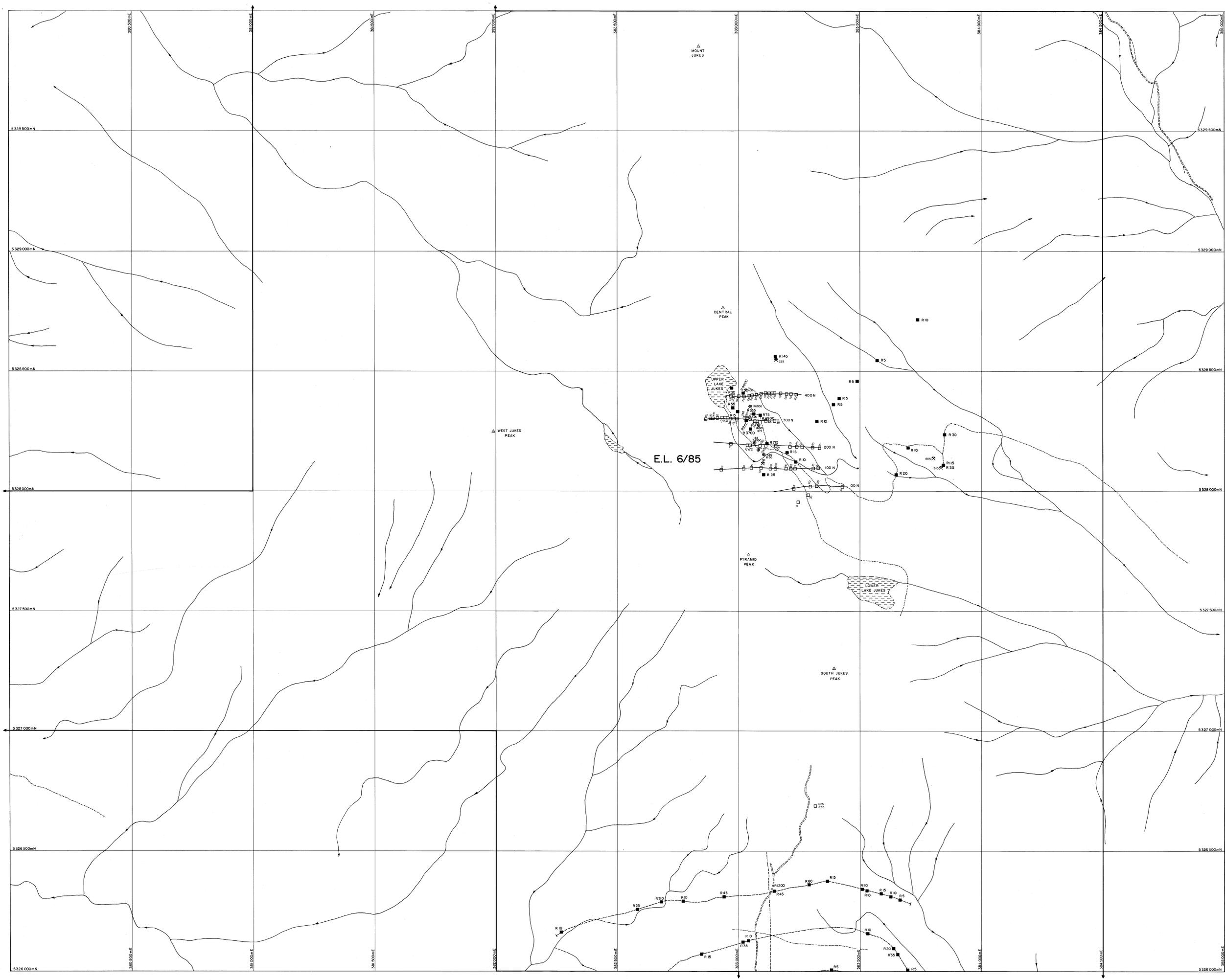
PLAN No 8
ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN ,TAS.

GEOCHEMISTRY

Au

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0016

TCR 94-3623
 E.L. 6/85
 JUKES - DARWIN

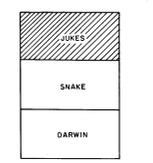


E.L. 6/85

- 40 - Rock Chip Sample.
 - ▲ 225 - Trenches - Rock Chip.
 - 545 - Adits - Rock Chip - Surface.
 - Below level of detection.
 - N.B. - All results are ppm. Samples 72301-42, taken U/G, in adits.
-
- R 20 - Rock Chip Sample.
 - S 50 - Stream Sediment Sample.
 - N.B. - All results are ppm.

Sampled by P.A. Ruxton, D. Gardner, 1987.

Sampled by P. Gammon, 1985.

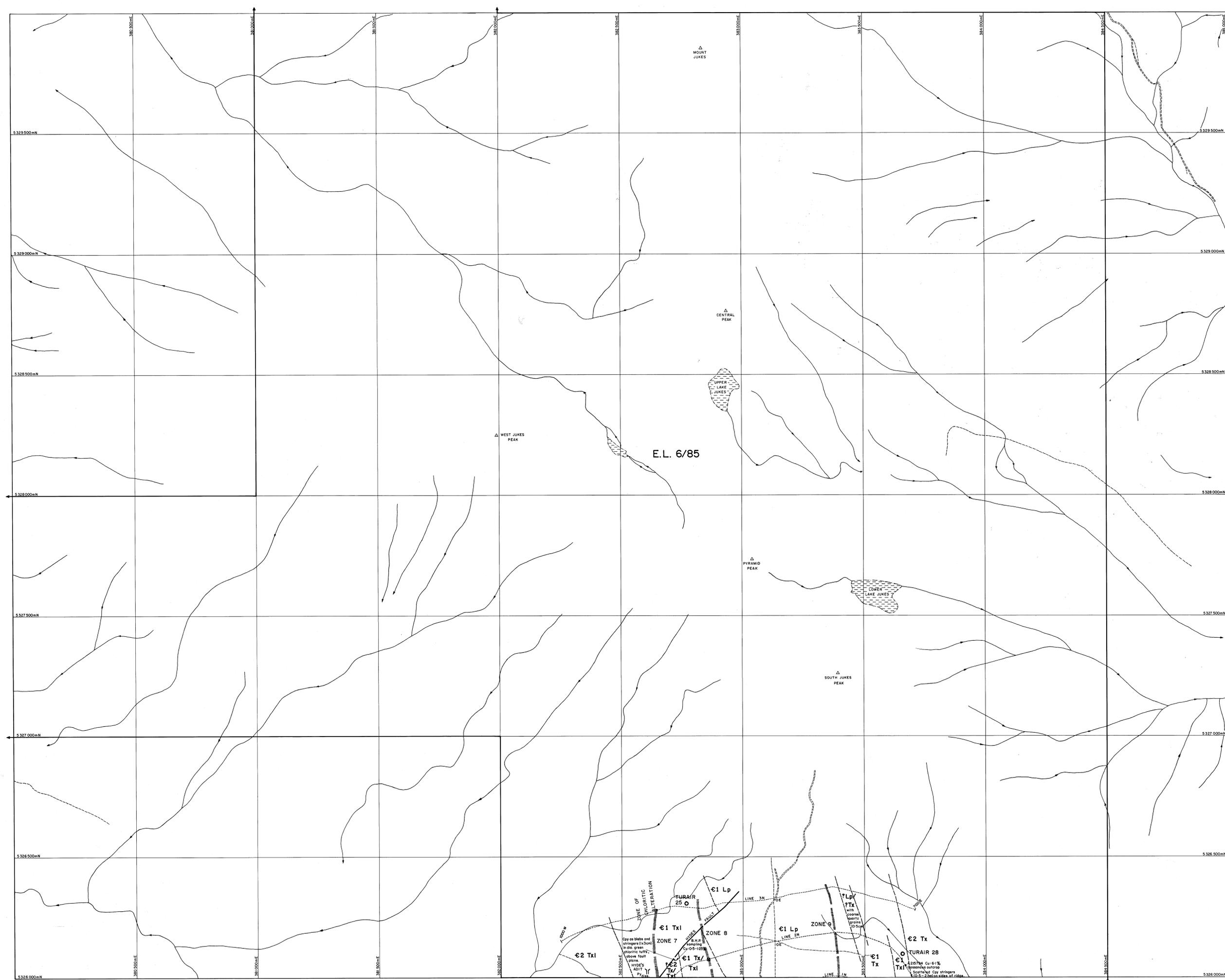


5 cm

PLAN No. 9
ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: JUKES - DARWIN ,TAS.
GEOCHEMISTRY
Cu

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0013

TCE 94-3632
 E.L. 6/85
 JUKES
 DARWIN



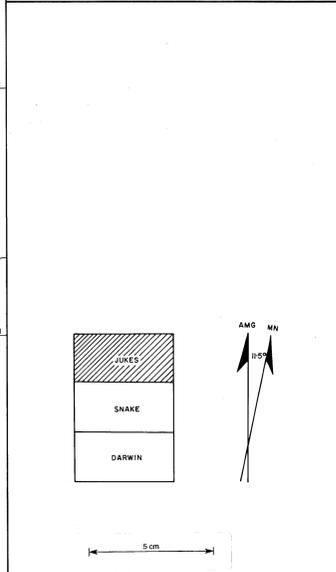
LEGEND

ORDOVICIAN	Ocg	OWEN CONGLOMERATE Sandstones, grits & conglomerates.
CAMBRIAN	MT. READ Volcanics	Tx CRYSTAL TUFF.
	FLANKING PYROCLASTICS (Rhyolite)	TxI CRYSTAL-LITHIC TUFF.
CENTRAL CORE RHYOLITES	DARWIN GRANITE	gr Sub-volcanic, intrudes central core rhyolites. Clasts of granite observed in overlying Flanking Pyroclastics.
		Tx CRYSTAL TUFF.
		TxI CRYSTAL-LITHIC TUFF.
		Agg Agglomerate.
		Tl LITHIC TUFF (includes lapilli-tuffs).
	Ah BANDED ASHES.	
	Ch CHERT (possibly water-laid ashes).	
	Lp LAVAS, massive pink porphyritic, veined by hematite-magnetite.	

Zones of chloritic alteration - developed parallel to margins of massive lava core, within Central core pyroclastics & Flanking Pyroclastics.
 Taken from sheets II & I2 - GEOLOGY of E.L. 13/63, by INTERNATIONAL NICKEL AUSTRALIA LIMITED.

SYMBOLS

	I.P. Anomaly (approx. position only).
	I.P. Zone and Number.
	Old Workings.
	Grid Lines (for I.P. Surveys).
	TURAIR Anomaly.
	Walking Track.
	Vehicular Track.
	River or Creek.
	FAULT - Inferred.
	Geological Boundary - Inferred.
	Unconformity - Inferred.

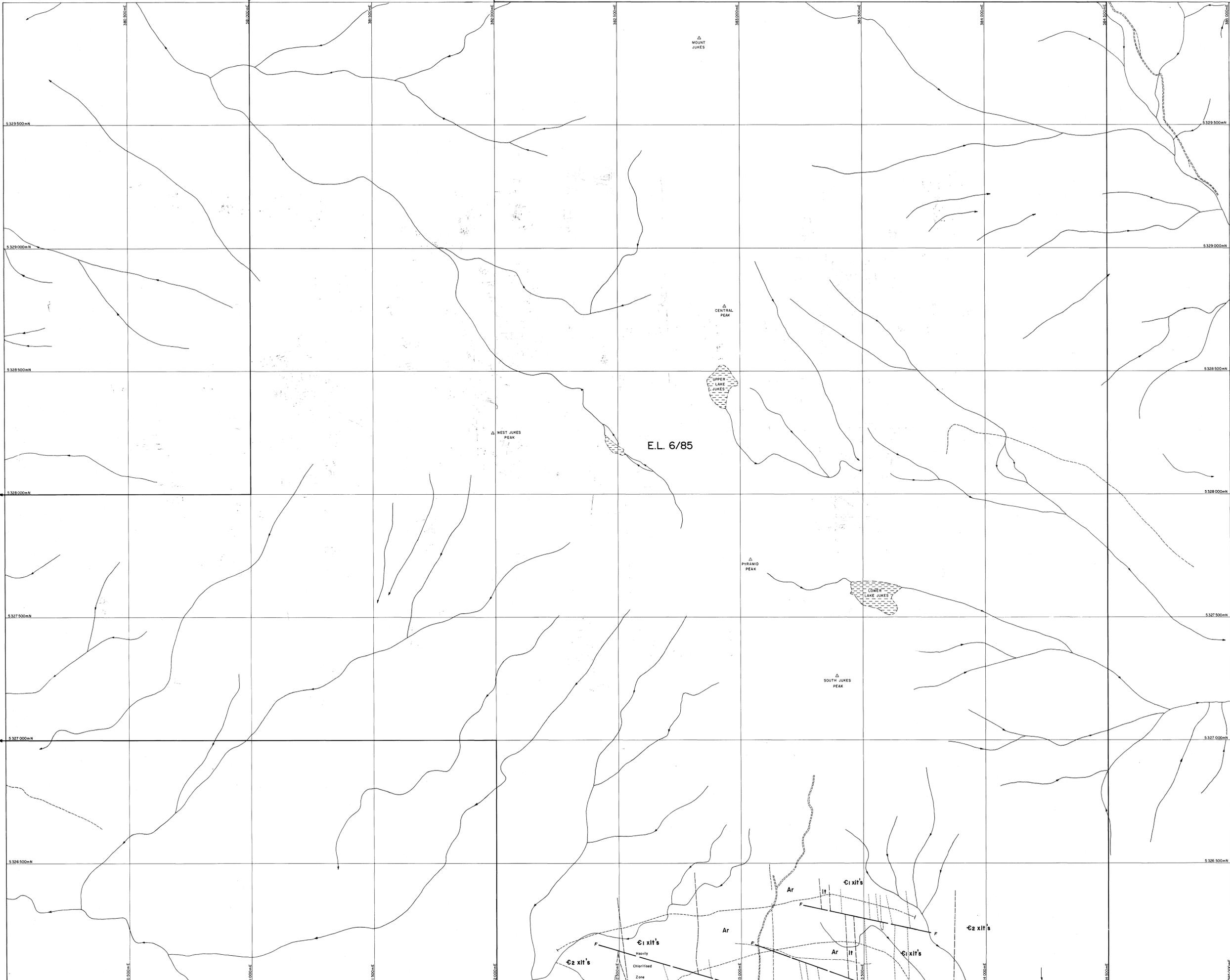


ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: JUKES - DARWIN, TAS.

GEOLOGY INTERPRETATION

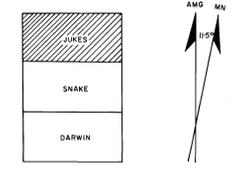
Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 30-3-85	Ref No:
Drawn: R.J.R.	Checked:	AO-518-0004

TRC 94-3423
 E.L. 6/85
 SHEET 2 OF 2
 JUKES - DARWIN



C1 xlt's = 1st. flanking volcanoclastic unit. } Crystal Tuffs, Lithic Tuffs.
 C2 xlt's = 2nd. " " " } Crystal Lithic Tuffs.

- - - - - Fault.
 - - - - - Main lithological boundary.
 - - - - - Secondary lithological boundary.



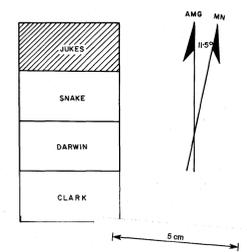
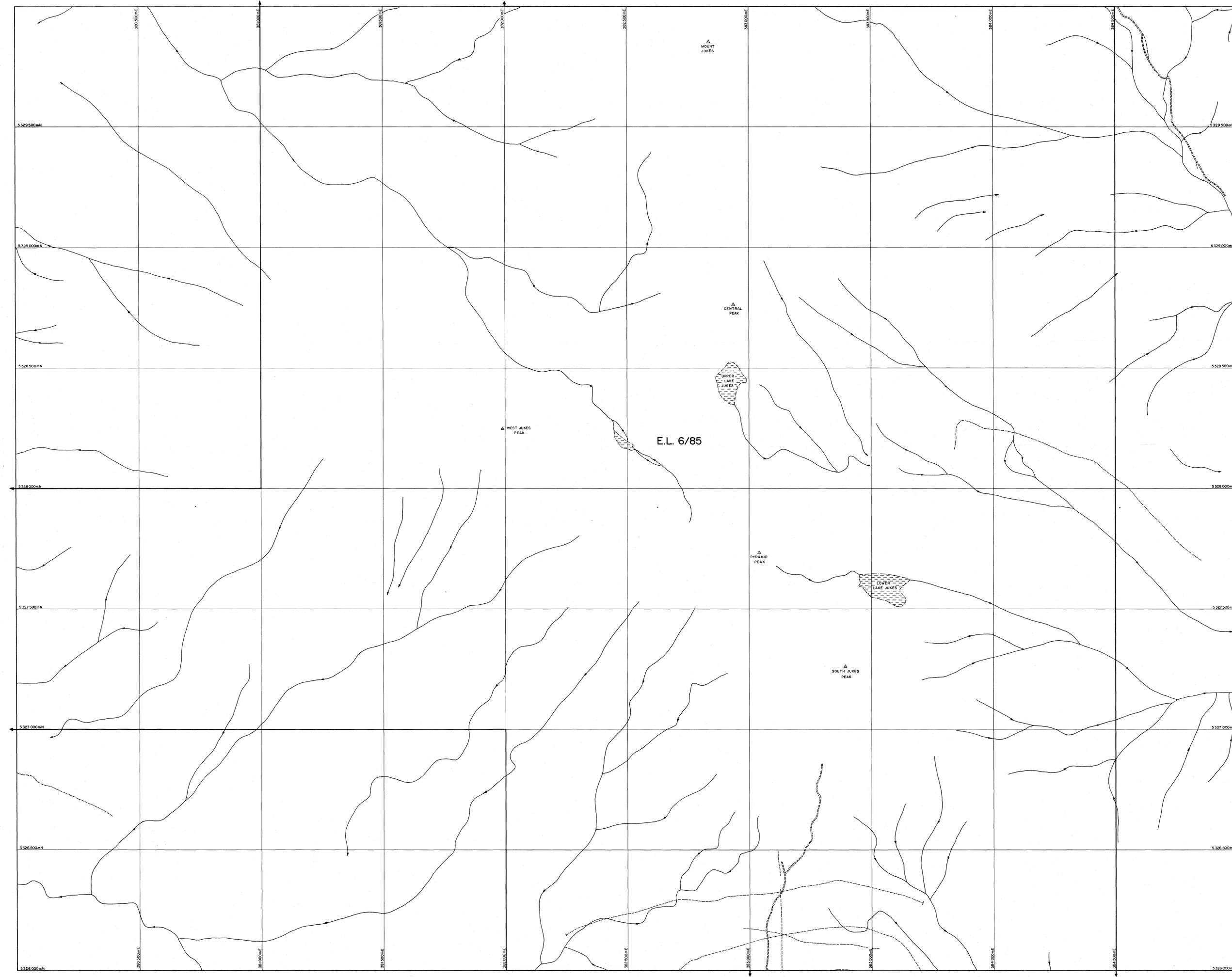
5 cm

ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
 PROJECT: JUKES - DARWIN ,TAS.

GEOLOGY
 (INTERP)

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 31-10-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0024

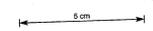
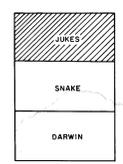
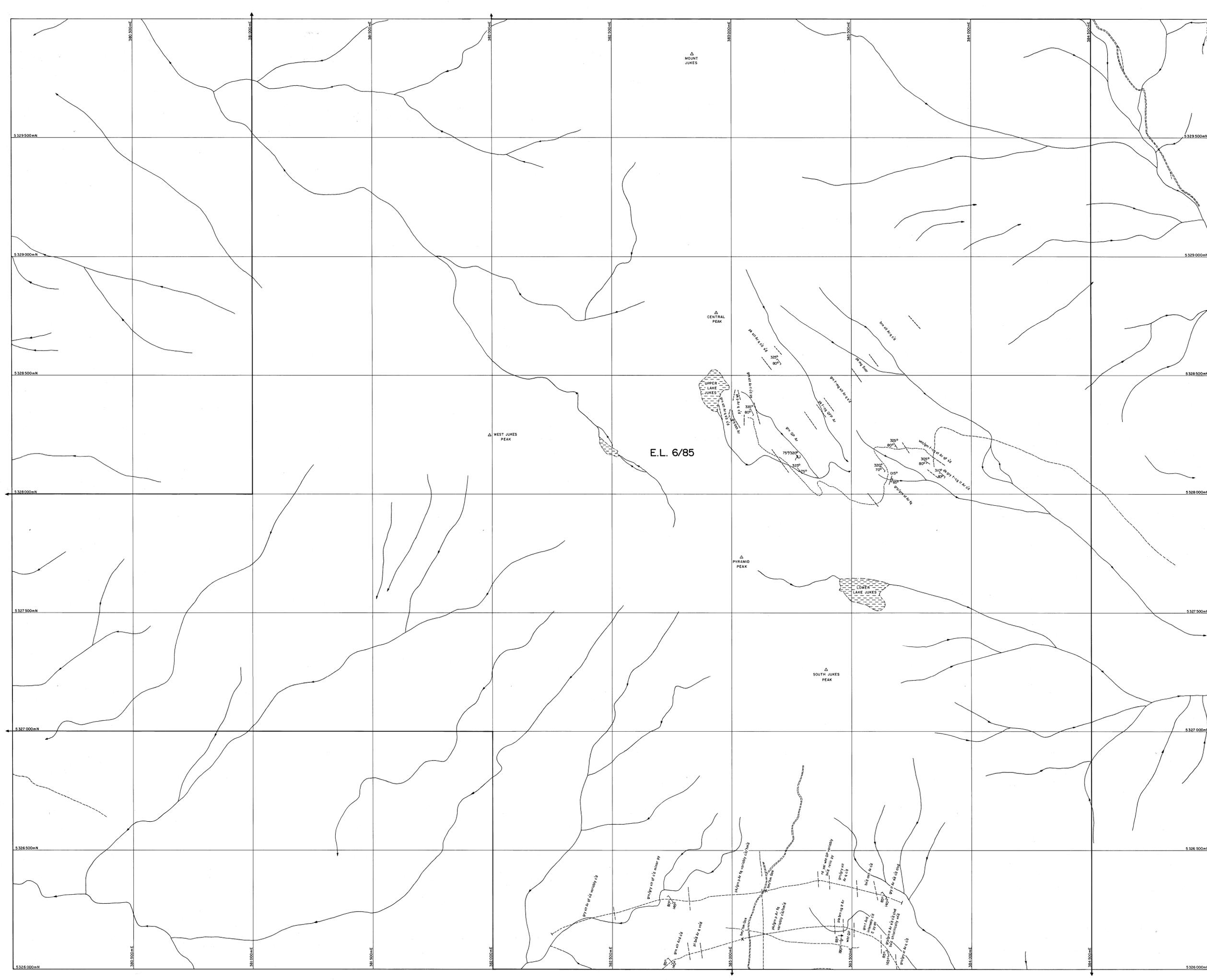
TCE 94-3623
 RL 6/85
 JUKES
 DARWIN



ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: JUKES-DARWIN, T.A.S.

GEOLOGY INTERPRETATION

Scale: 1:5000	Survey: P.A.RUXTON	Revised:
Reference:	Date: 18-2-'87	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-518-0035

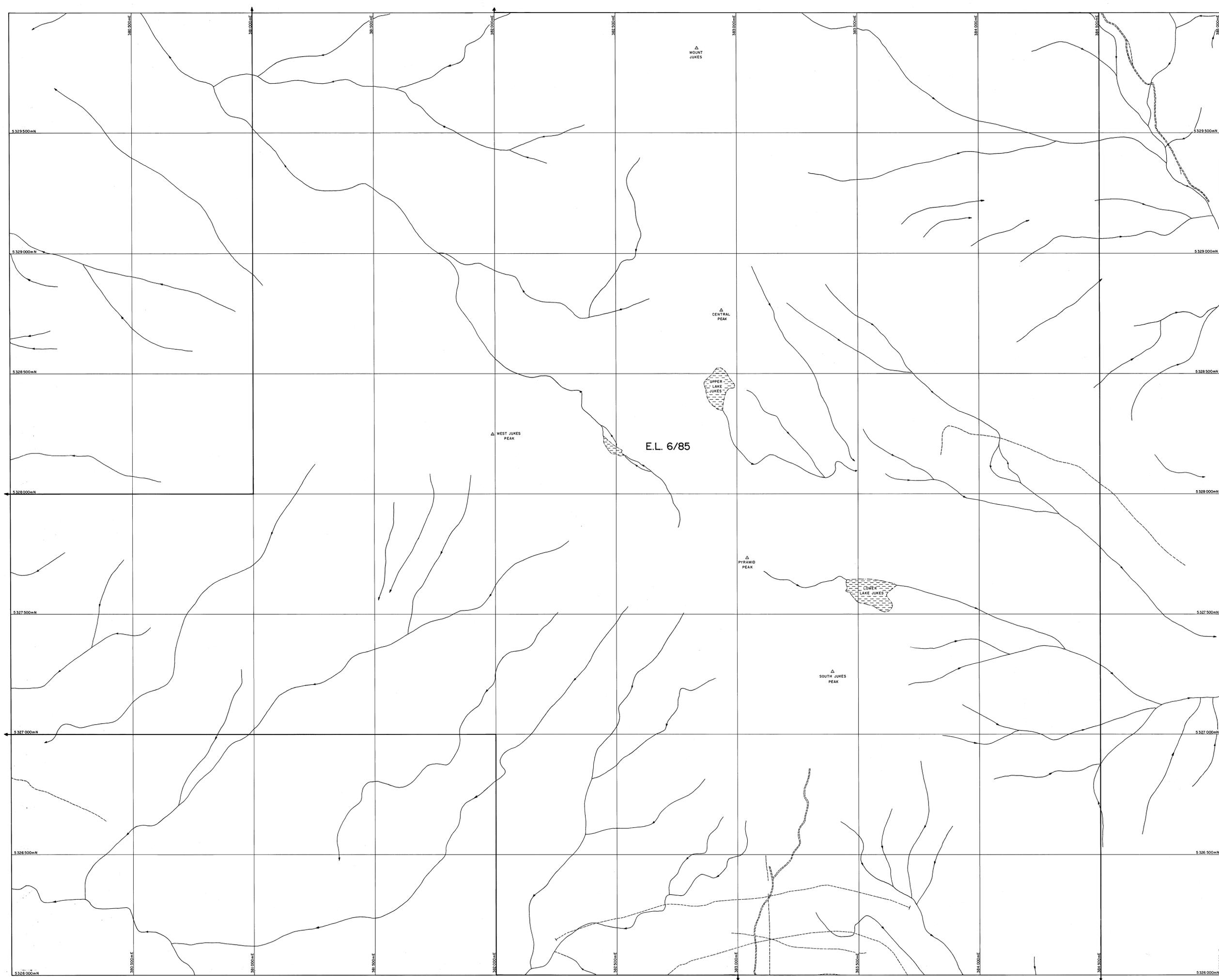


ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: JUKES-DARWIN ,TAS.

GEOLOGY
FACT

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 2-5-'85	Ref No.
Drawn: R.J.R.	Checked:	AO-518-0019

TCT 94 2623
 JUKES - DARWIN
 E. Z. CO.
 CO. OF A'ASIA LTD.



Legend:

- JUKES
- SNAKE
- DARWIN
- CLARK

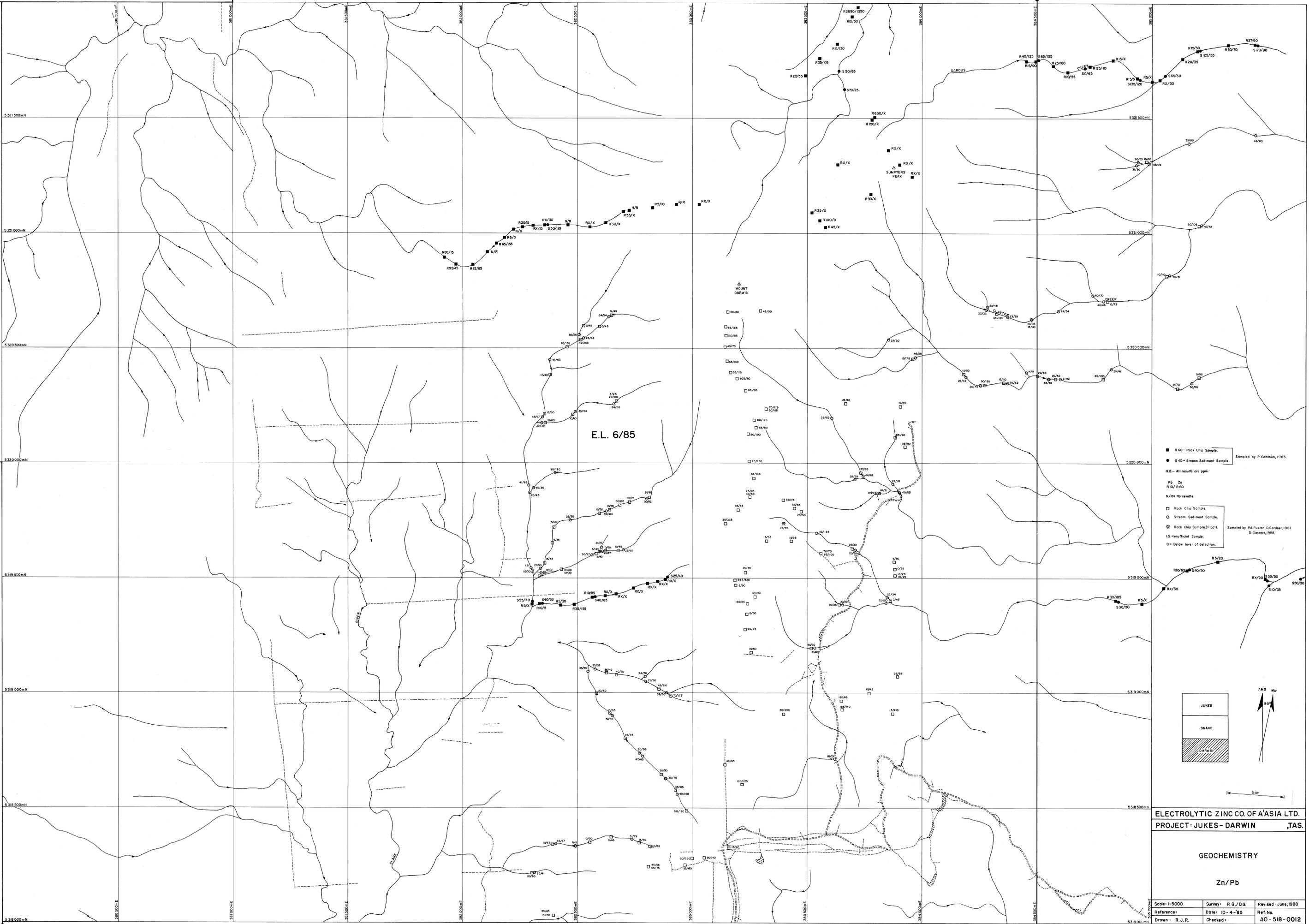
Scale: 5 cm

North Arrow: MB, MB

ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: JUKES - DARWIN, TAS.

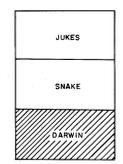
Scale: 1:5000	Survey:	Revised:
Reference:	Date:	Ref. No.
Drawn:	Checked:	AO-518-

TOR 94-3823
 E.L. 6/85
 JUKES - DARWIN



E.L. 6/85

- R 60 - Rock Chip Sample.
- S 40 - Stream Sediment Sample. Sampled by P Gammon, 1985.
- N.B. - All results are ppm.
- Pb Zn
- R10/R 60
- N/R - No results.
- Rock Chip Sample.
- Stream Sediment Sample.
- ☆ Rock Chip Sample (Flotl). Sampled by PA Ruxton, D Gardner, 1987.
- I.S. - Insufficient Sample. D Gardner, 1988.
- - Below level of detection.

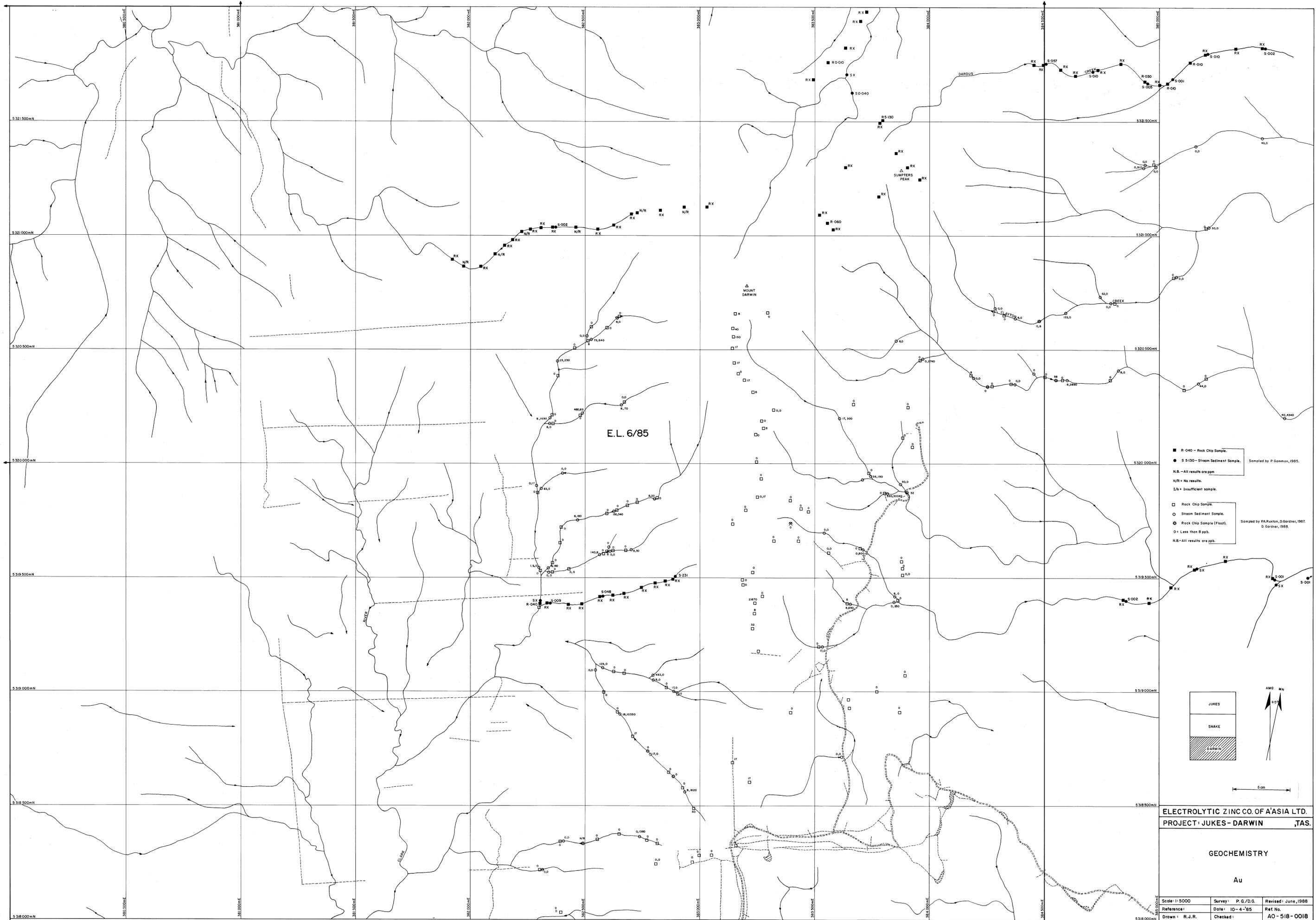


5 cm

ELECTROLYTIC ZINC CO. OF AASIA LTD.
 PROJECT: JUKES - DARWIN, TAS.

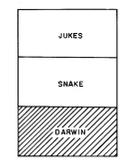
GEOCHEMISTRY
 Zn/Pb

Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference: R.J.R.	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0012



TCR 94-3623
 E.L. 6/85
 JUKES - DARWIN

- R-040 - Rock Chip Sample.
- S-5130 - Stream Sediment Sample. Sampled by P. Gammon, 1985.
- N.B. - All results are ppm.
- N/R = No results.
- I/A = Insufficient sample.
- Rock Chip Sample.
- Stream Sediment Sample.
- ⊙ Rock Chip Sample (Float). Sampled by P.A. Ruxton, D. Gardner, 1987.
D. Gardner, 1988.
- + Less than 0.1 ppm.
- N.B. - All results are ppm.

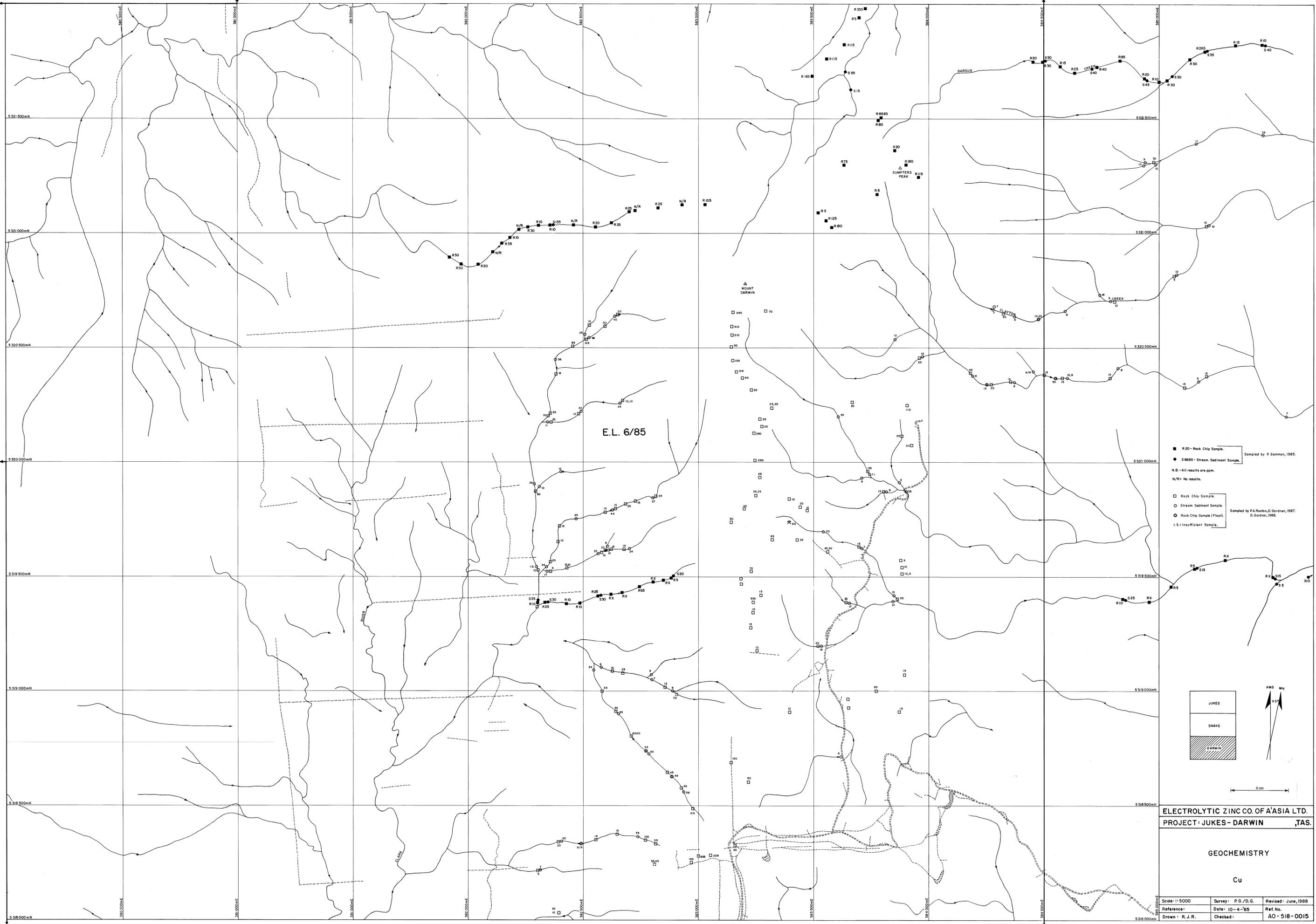


5 cm

ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN, TAS.

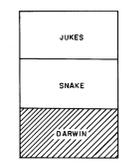
GEOCHEMISTRY
Au

Scale: 1:5000	Survey: P. G./D.G.	Revised: June, 1988
Reference:	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0018



E.L. 6/85

- R20 - Rock Chip Sample. Sampled by P. Gammon, 1985.
- S9685 - Stream Sediment Sample.
- N.B. - All results are ppm.
- N/R - No results.
- Rock Chip Sample. Sampled by P.A. Ruato, D. Gardner, 1987.
- Stream Sediment Sample. D. Gardner, 1986.
- ⊗ Rock Chip Sample (Float).
- I.S. - Insufficient Sample.



5 cm

ELECTROLYTIC ZINC CO. OF ASIA LTD.		
PROJECT: JUKES - DARWIN, TAS.		
GEOCHEMISTRY		
Cu		
Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference: 10-4-85	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0015

TCR 94-3623
 E.L. 6/85
 JUKES - DARWIN



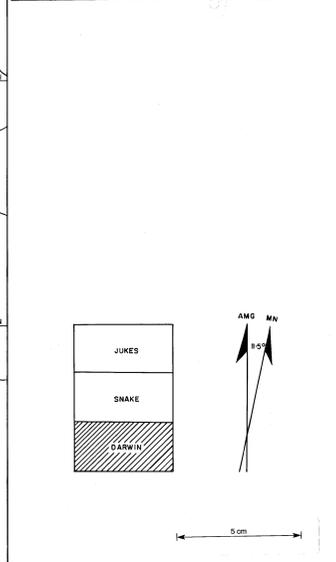
LEGEND

Ocg	OWEN CONGLOMERATE Sandstones, grits & conglomerates.
Tx	CRYSTAL TUFF
Txl	CRYSTAL-LITHIC TUFF
gr	Sub-volcanic, intrudes central core rhyolites. Clasts of granite observed in overlying Flanking Pyroclastics.
Agg	Agglomerate
TL	LITHIC TUFF (includes lapilli-tuffs).
Ah	BANDED ASHES.
Ch	CHERT (possibly water-laid ashes).
Lp	LAVAS, massive pink porphyritic, veined by hematite-magnetite.

Zones of chloritic alteration - developed parallel to margins of massive lava core, within Central core pyroclastics & Flanking Pyroclastics.
 Taken from sheets 11 & 12 - GEOLOGY of E.L. 13/63, by INTERNATIONAL NICKEL AUSTRALIA LIMITED.

SYMBOLS

☒	I.P. Anomaly (approx. position only).
	I.P. Zone and Number.
*	Old Workings.
---	Grid Lines (for I.P. Surveys).
○	TURAIR Anomaly.
---	Walking Track.
---	Vehicular Track.
---	River or Creek.
---	FAULT - Inferred.
---	Geological Boundary - Inferred.
---	Unconformity - Inferred.

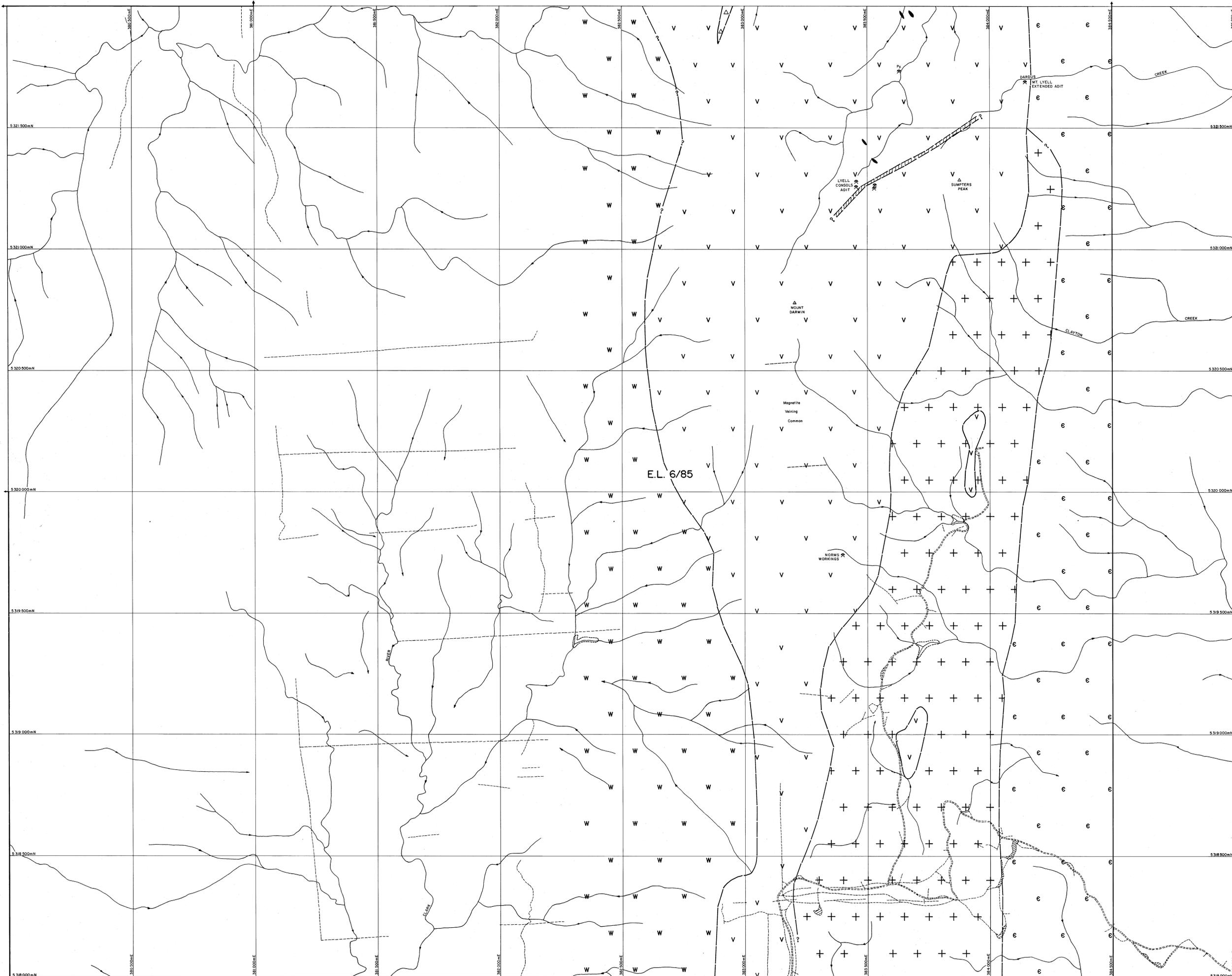


ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN, TAS.

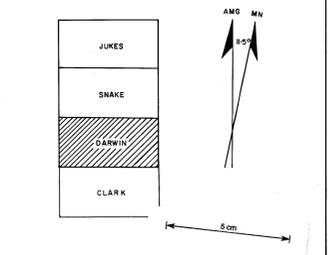
GEOLOGY
INTERPRETATION

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 30-3-'85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0002

TOR 96-3823
 E.L. 6/85
 JUKES - DARWIN



- LEGEND**
- Old Workings (Hardrock)
 - Alluvial Gold Workings
 - Chloritic lodes, intensely chloritized lava with quartz/magnetite/hematite veins, ± disseminated/vain pyrite.
 - "Clean" sand. Silicified fine grained volcanic (?) rock and feldspar-phryic lava. Minor brecciation, oolitic pyrite.
 - Darwin Granite.
 - Western Sequence.
 - Eastern Sequence.
 - Central Sequence.
 - Agglomerate.

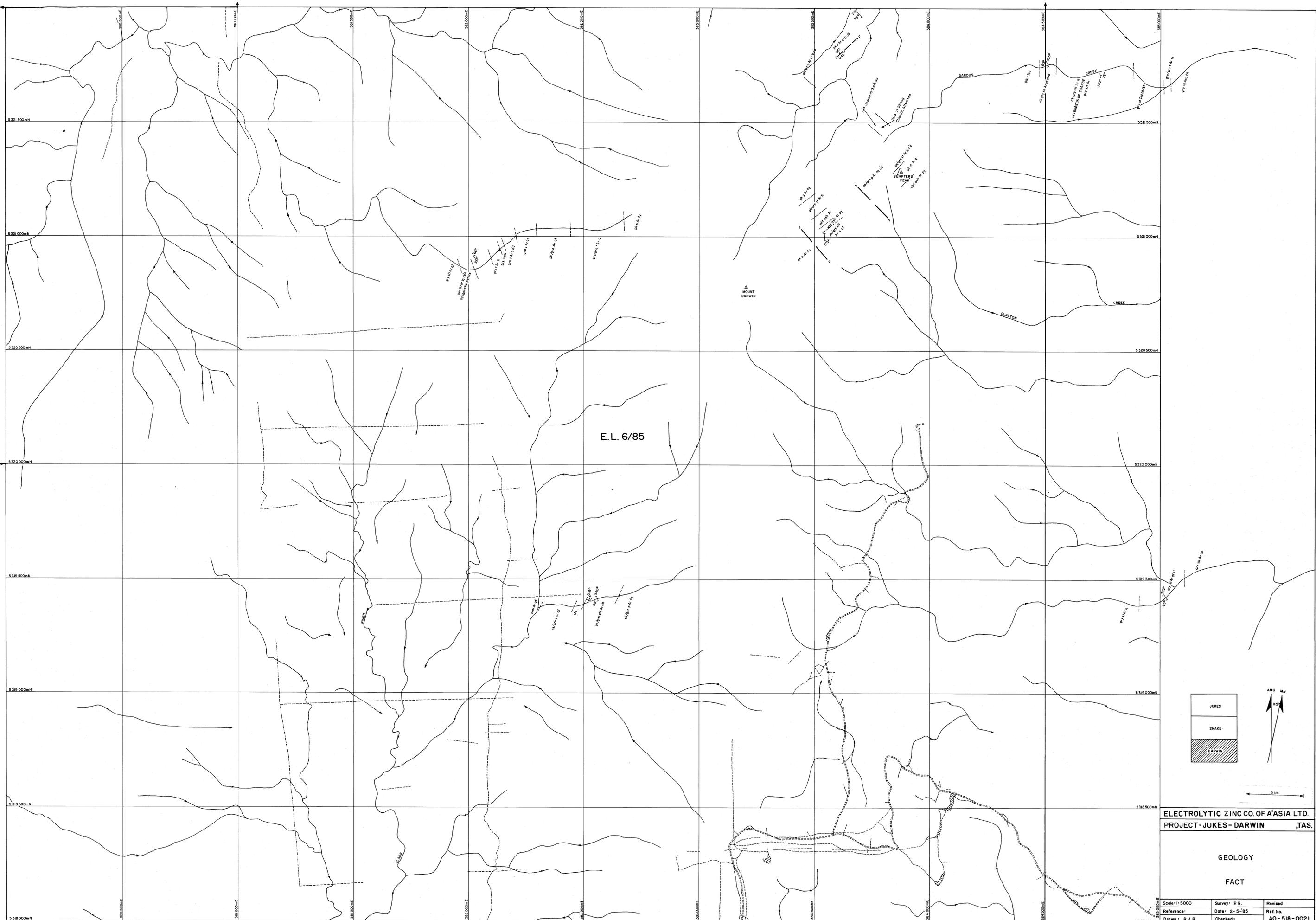


ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN, TAS.

GEOLOGY INTERPRETATION

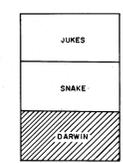
Scale: 1:5000	Survey: P.A. RUXTON	Revised:
References:	Date: 18-2-87	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-518-0037

TCR 94-3693
 E.L. 6/85
 JUKES - DARWIN



E.L. 6/85

▲ MOUNT DARWIN

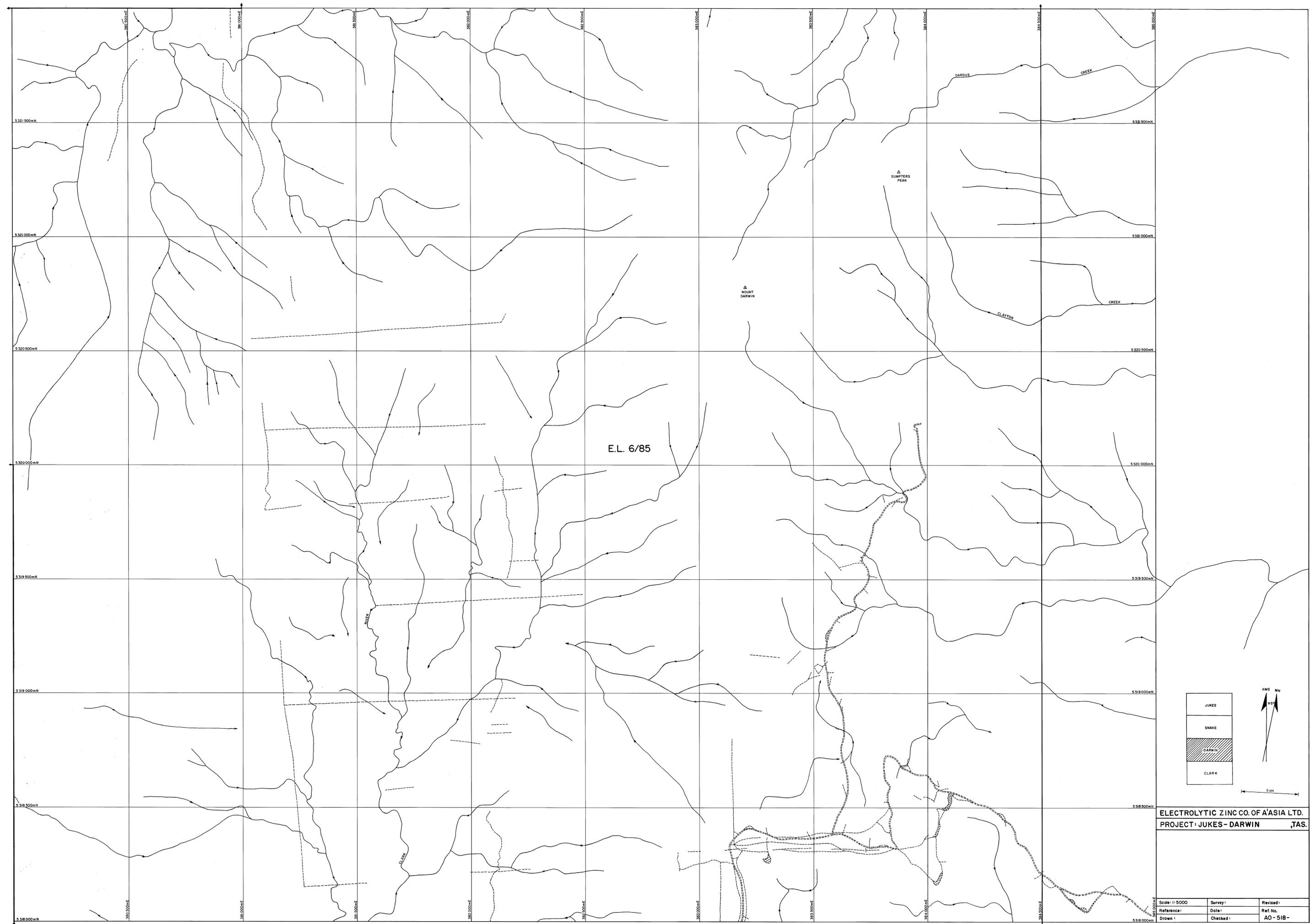


ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN, TAS.

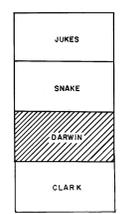
GEOLOGY
FACT

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 2-5-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0021

TOR 94-323
 E.L. 6/85
 SHEET 2
 DAWSON



E.L. 6/85

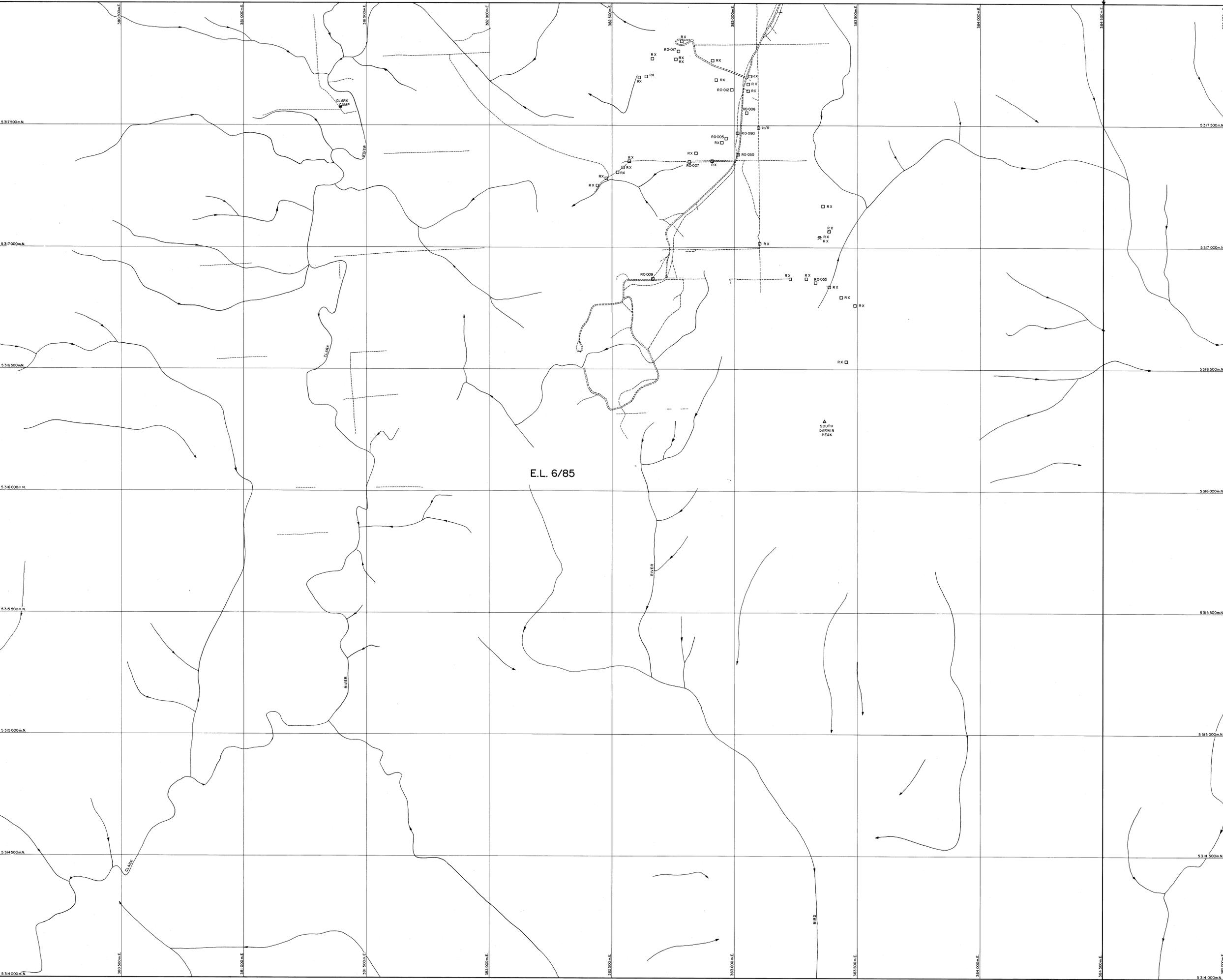


ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: JUKES - DARWIN ,TAS.

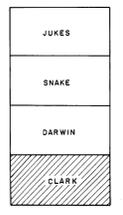
Scale: 1:5000	Survey:	Revised:
Reference:	Date:	Ref. No.
Drawn:	Checked:	AO-518-

REVISIONS
 2
 58/9
 94-3523
 10/11

T.C. 16 1323
 E. Z. CO.
 11/2/88



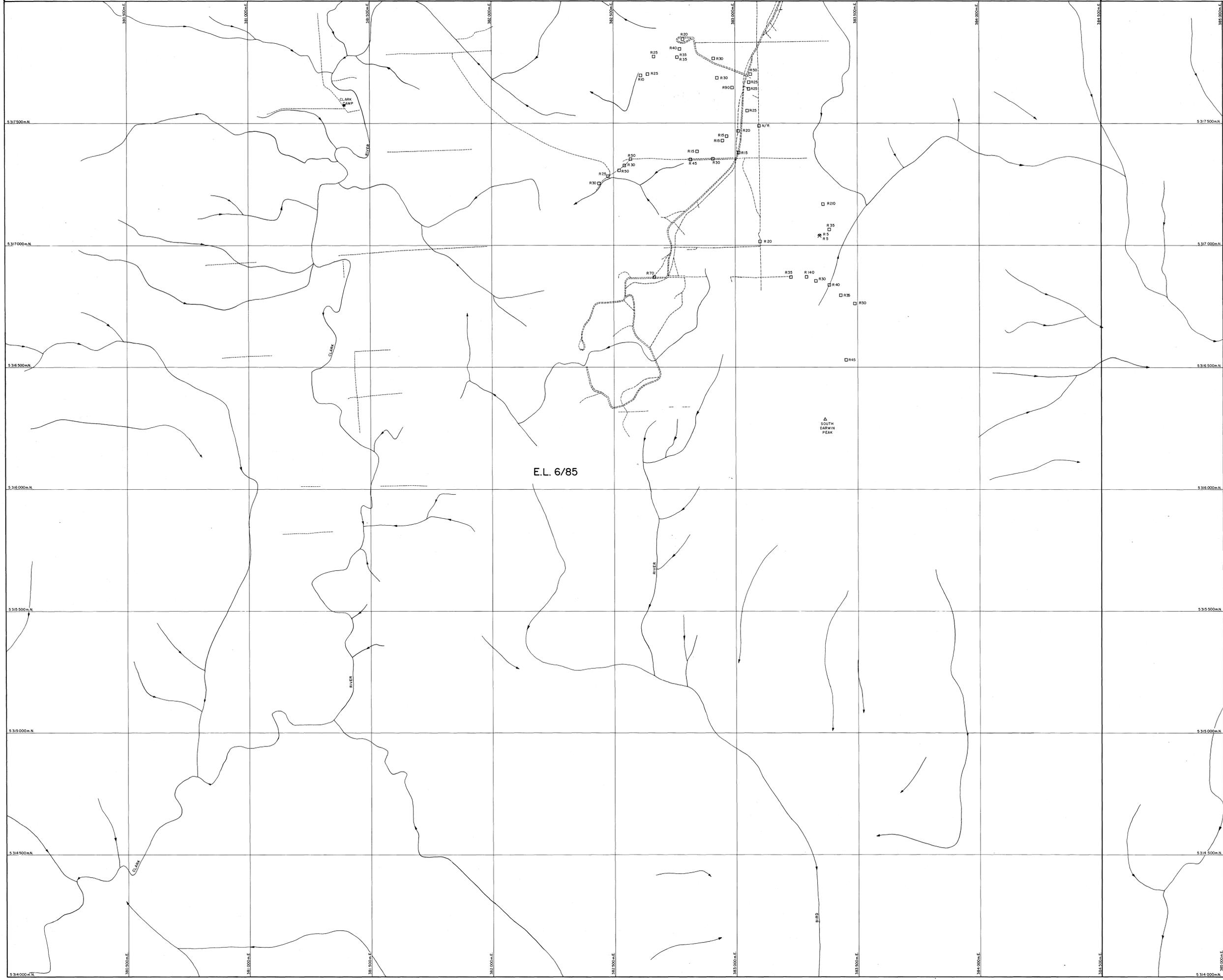
□ R0007 Rock Chip Sample.
 ▲ R X Rock Chip Sample, Trenches. Sampled by D. Gardner, K. Virgo, 1988
 N/R = No results.
 X = Below level of detection.



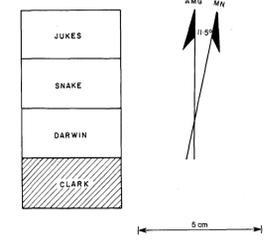
ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: JUKES-DARWIN ,TAS.

GEOCHEMISTRY
 Au

Scale: 1:5000	Survey: D.G.	Revised:
Reference:	Date: 12-6-88	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-518-0057



□ R 15 Rock Chip Sample.
 ✕ R 5 Rock Chip Sample, Trenches. Sampled by D. Gardner, K. Virgoe, 1988.
 N/R+ No result.

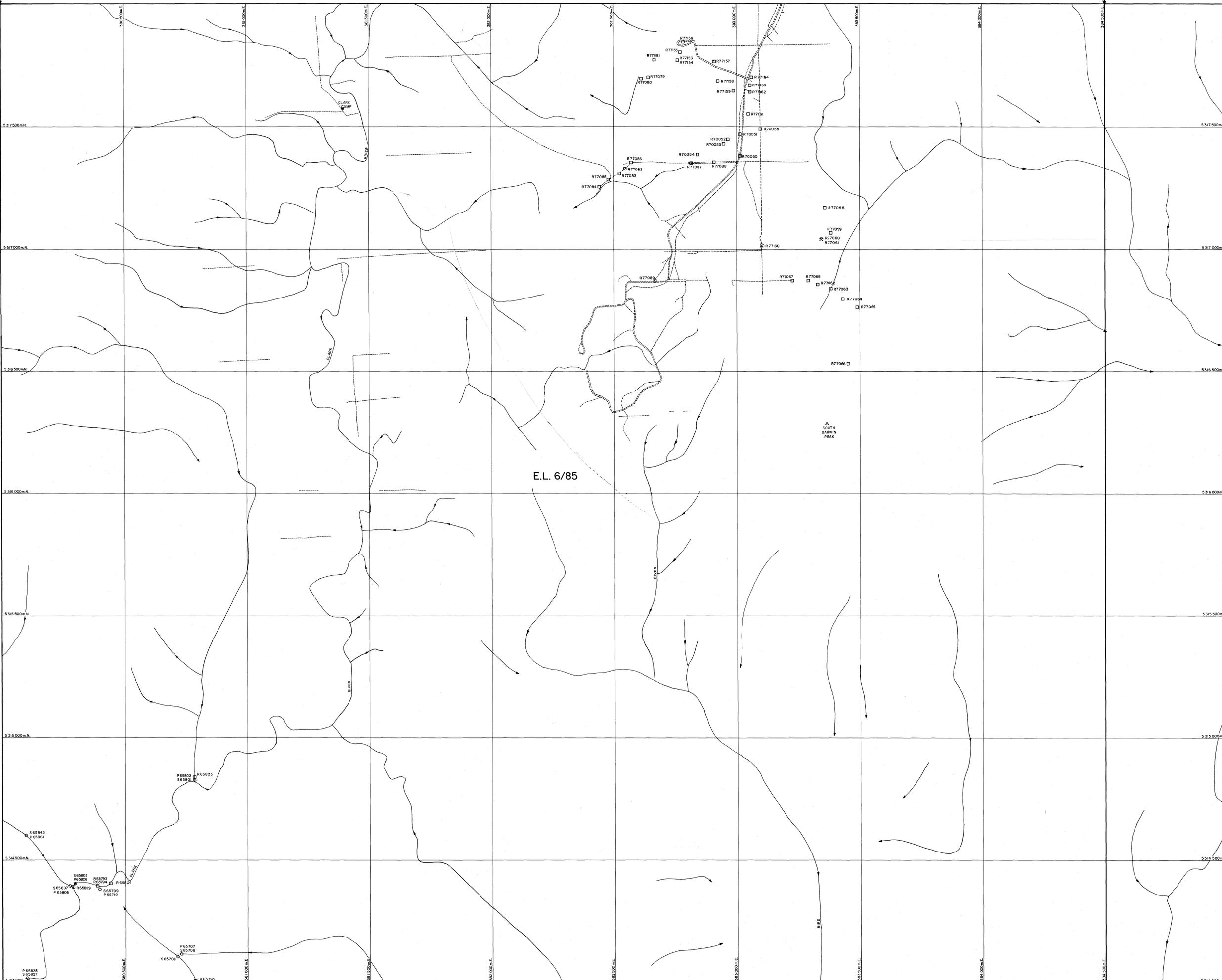


ELECTROLYTIC ZINC CO. of ASIA LTD.
 PROJECT: JUKES - DARWIN ,TAS.

GEOCHEMISTRY
 Cu

Scale: 1:5000	Survey: D.G.	Revised:
Reference: .	Date: 10-6-88	Ref. No.
Drawn: N.W.D.S.	Checked:	A0-518-0058

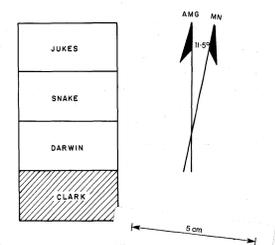
789 94 1223
 R 2 / 85
 CO
 JUKES - DARWIN



E.L. 6/85

SOUTH DARWIN PEAK

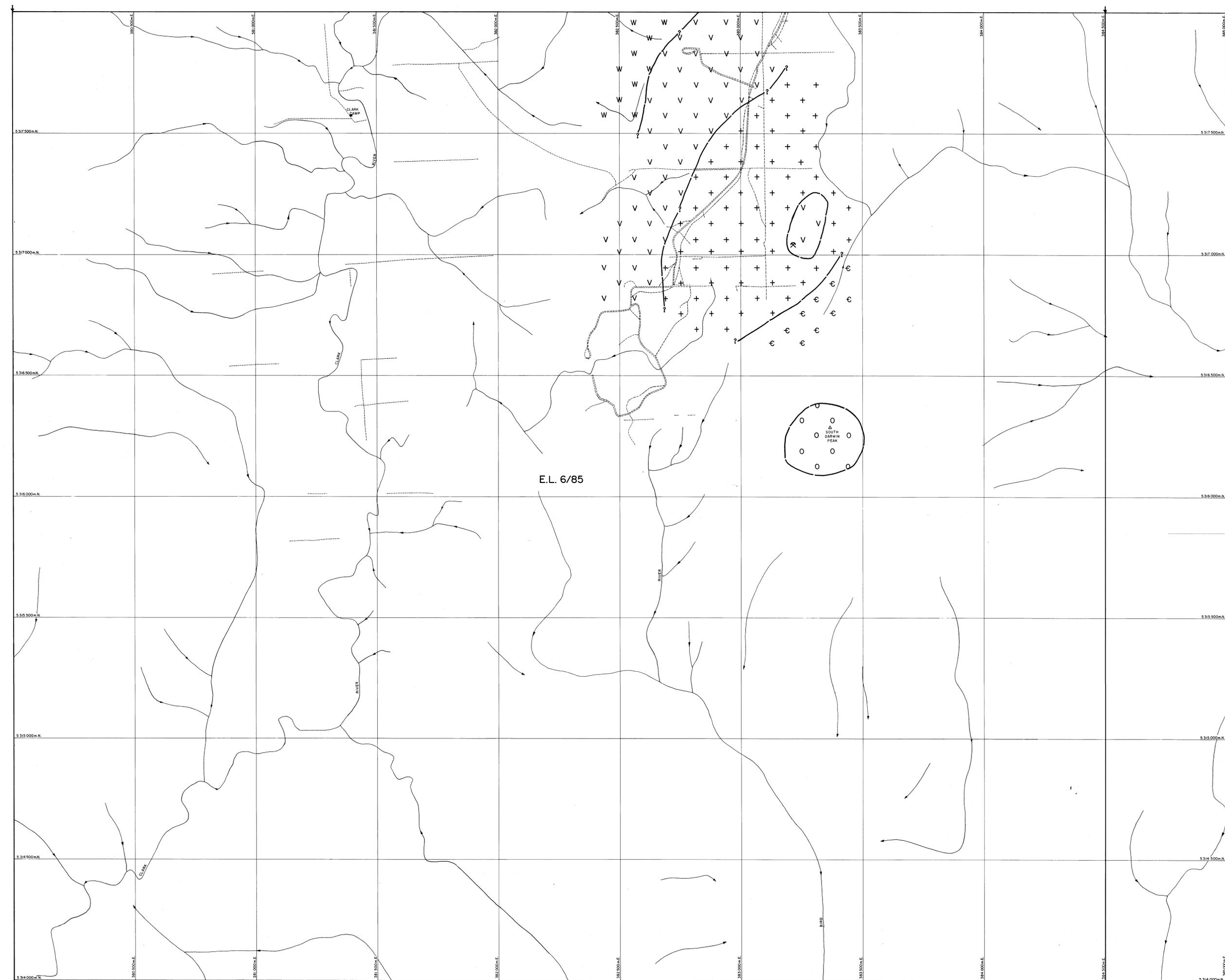
- R77065 Rock Chip Sample. Sampled by D. Gordon, K. Vigney, 1988
- ▲ R77066 Rock Chip Sample, Tranches.



ELECTROLYTIC ZINC CO. of ASIA LTD.
PROJECT: JUKES-DARWIN .TAS.

SAMPLE TYPES
and
NUMBERS

Scale: 1:5000	Survey: I.MAT/D.G.	Revised: JUNE, 1988
Reference:	Date: 4-12-86	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-518-0028

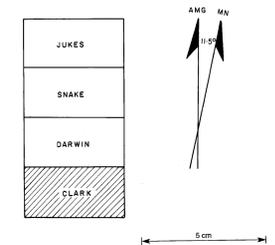


LEGEND

- ⊗ Old workings (Hardrock)
- Owen Conglomerate
- ++ Darwin Granite
- W Western Sequence
- € Eastern Sequence
- V Central Sequence
- Mount Read Volcanics

E.L. 6/85

SOUTH
DARWIN
PEAK

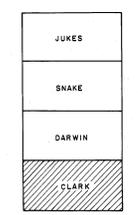
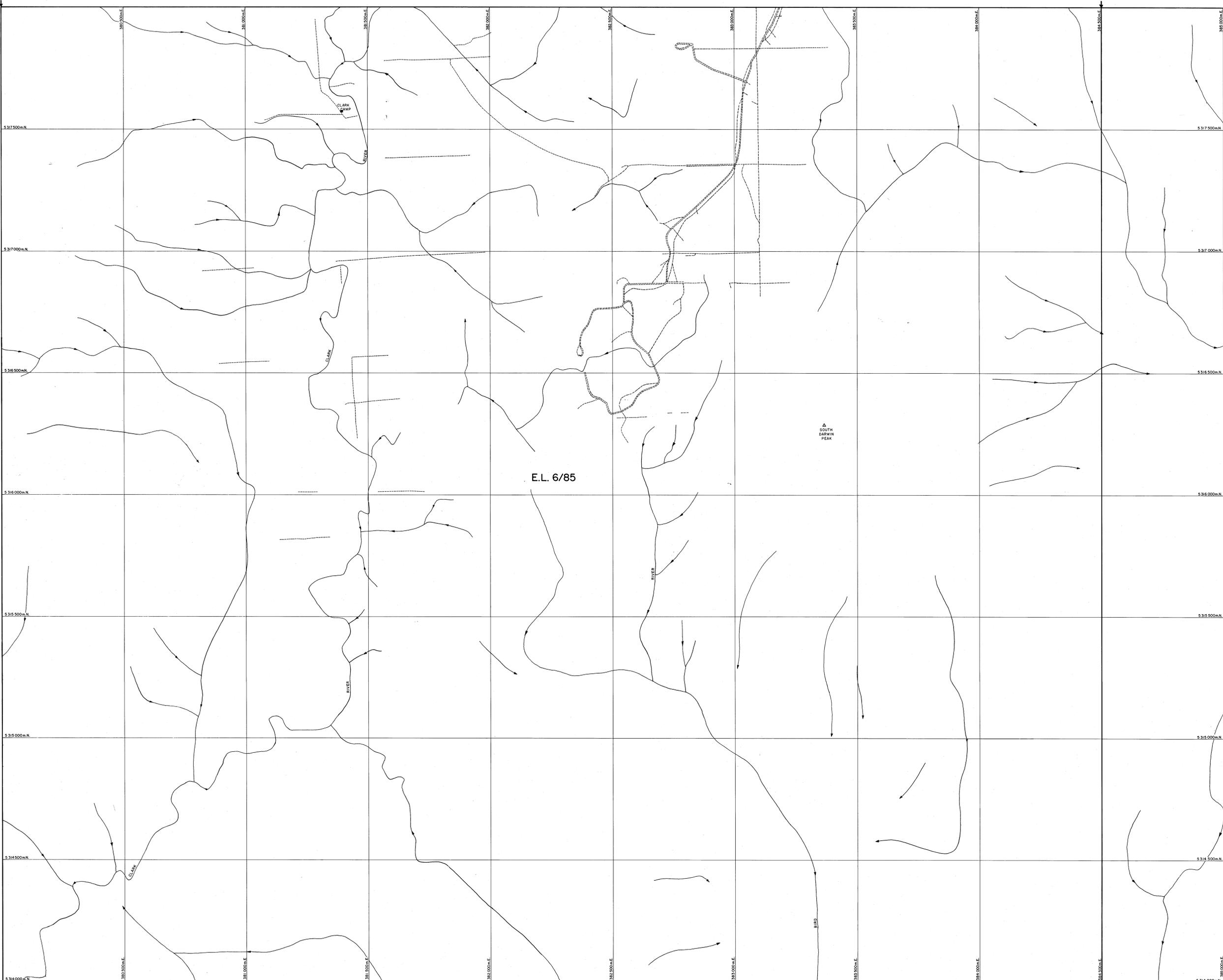


ELECTROLYTIC ZINC CO. of A'ASIA LTD.
PROJECT: JUKES-DARWIN ,TAS.

**GEOLOGY
INTERPRETATION**

Scale: 1:5000	Survey: D.G.	Revised:
Reference:	Date: 12-6-'88	Ref. No.
Drawn: N.W.D.S.	Checked:	A0-518-0059

TCR 94-3123
 B1-8/03
 JUKES - DARWIN

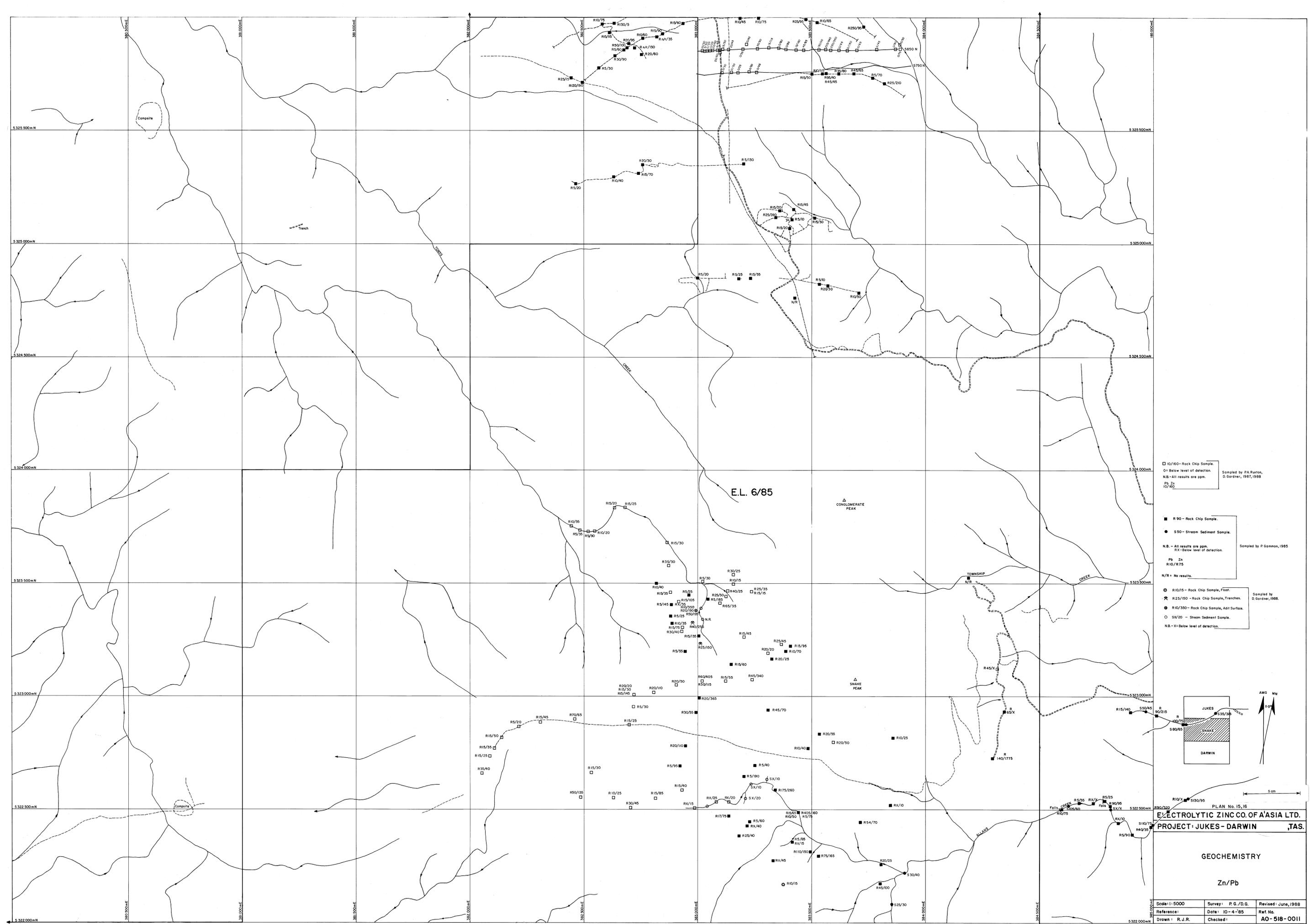


ELECTROLYTIC ZINC CO. of ASIA LTD.
 PROJECT: JUKES-DARWIN TAS.

Scale: 1:5000	Survey:	Revised:
Reference:	Date:	Ref. No.
Drawn:	Checked:	AO-518-

TR. 94-3623
 E. Z. CO.
 JUKES - DARWIN

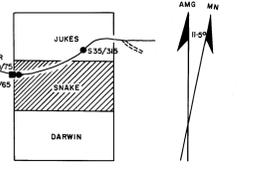
TCR 94-3123
 20/08/85
 20/08/85



- IO/160 - Rock Chip Sample.
- Below level of detection.
- N.B. - All results are ppm.
- Pb, Zn
- IO/160
- Sampled by P. Raton,
D. Gardner, 1987, 1988

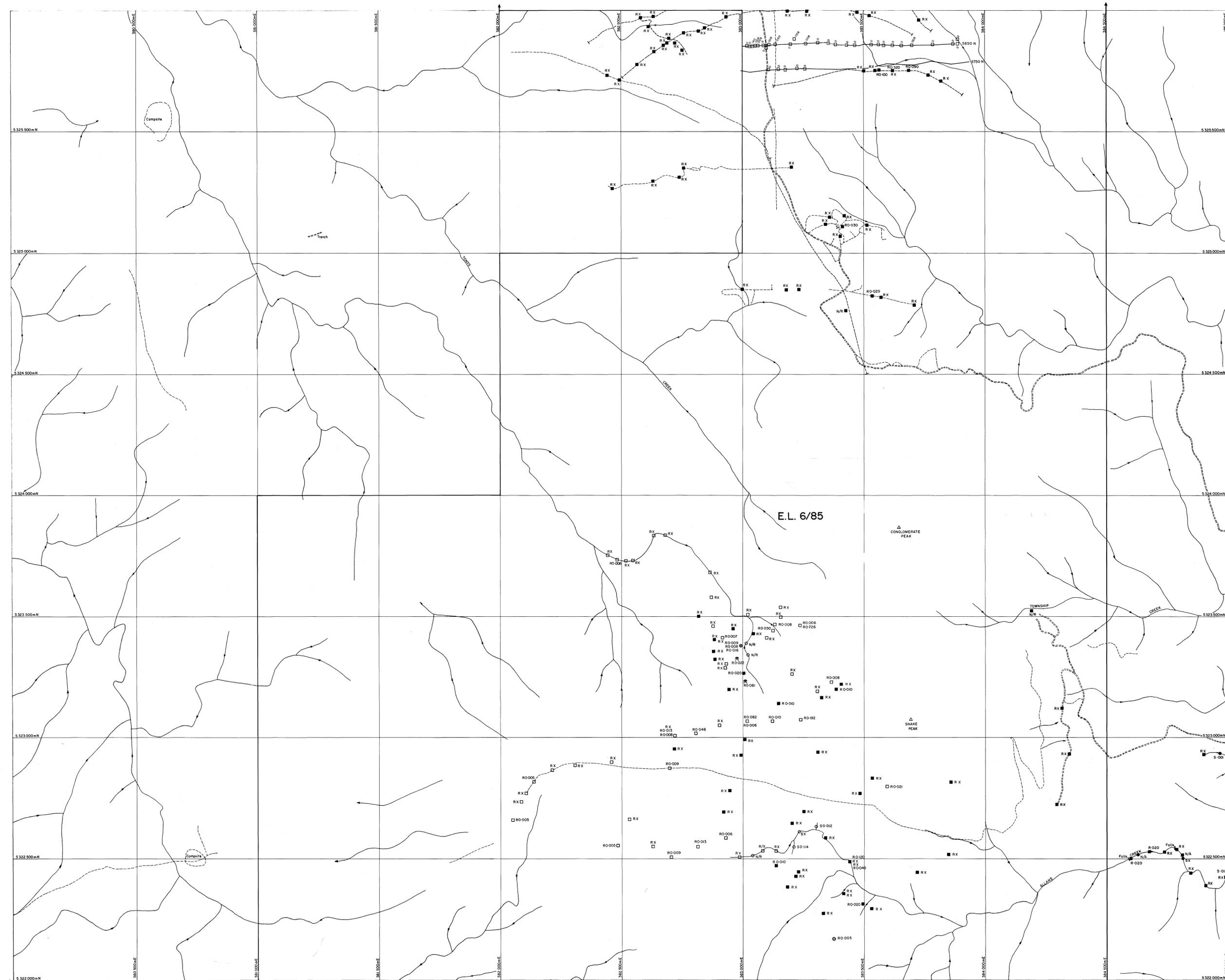
- R 90 - Rock Chip Sample.
- S 50 - Stream Sediment Sample.
- N.B. - All results are ppm.
- RX - Below level of detection.
- Pb, Zn
- R10/R75
- N/R - No results.
- Sampled by P. Gammon, 1985

- ⊙ R10/15 - Rock Chip Sample, Flat.
- ⊙ R25/150 - Rock Chip Sample, Trenches.
- ⊙ R40/350 - Rock Chip Sample, Adit Surface.
- SX/20 - Stream Sediment Sample.
- N.B. - X - Below level of detection.
- Sampled by D. Gardner, 1988.

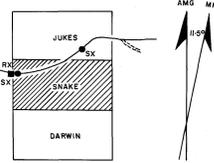


PLAN No. 15, 16
ELECTROLYTIC ZINC CO. OF AUSTRALIA LTD.
PROJECT: JUKES - DARWIN, T.A.S.
GEOCHEMISTRY
Zn/Pb

Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference: IO-4-85	Date: IO-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0011



- -008 - Rock Chip Sample.
 - - Below level of detection, (-008).
 - -008 - Rock Chip Sample, Floc.
 - -008 - Rock Chip Sample, Trenches.
 - -008 - Rock Chip Sample, Adit Surface.
 - -012 - Stream Sediment Sample.
- Sampled by P.A. Ruxton, D. Gardner, 1987, 1988.
- N.B. - All results are ppm.
- R-020 - Rock Chip Sample.
 - S-268 - Stream Sediment Sample.
- Sampled by P. Gammon, 1987.
- N.B. - All results are ppm.
- N/R = No results.
- RX = Below level of detection.



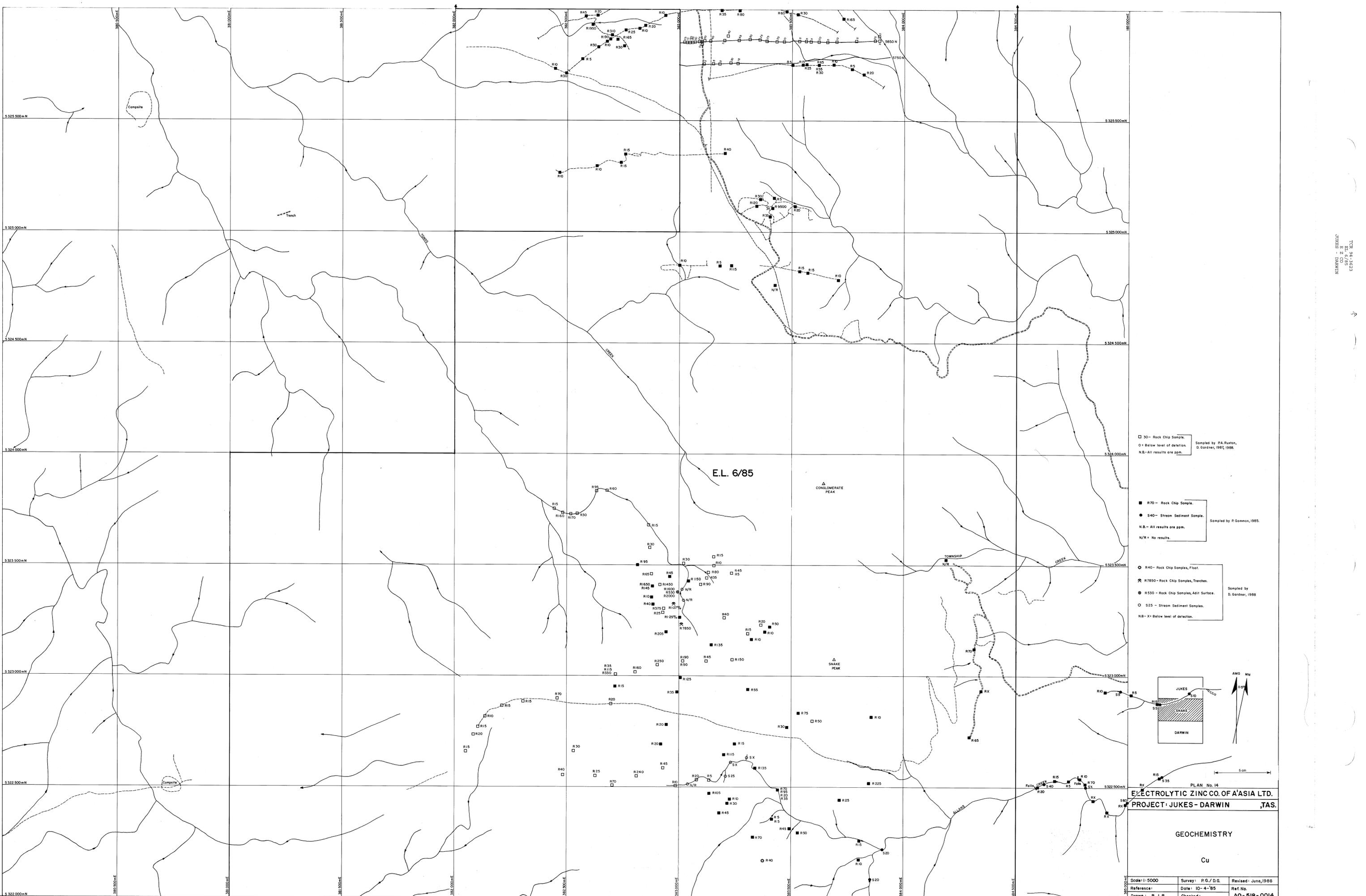
PLAN No. 13
ELECTROLYTIC ZINC CO. OF AUSTRALIA LTD.
PROJECT: JUKES - DARWIN, T.S.

GEOCHEMISTRY

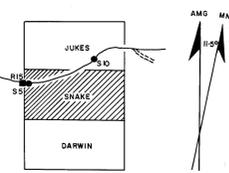
Au

Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference:	Date: 10-4-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0017

NTM 94-3425
 53/9 18
 53/9 18



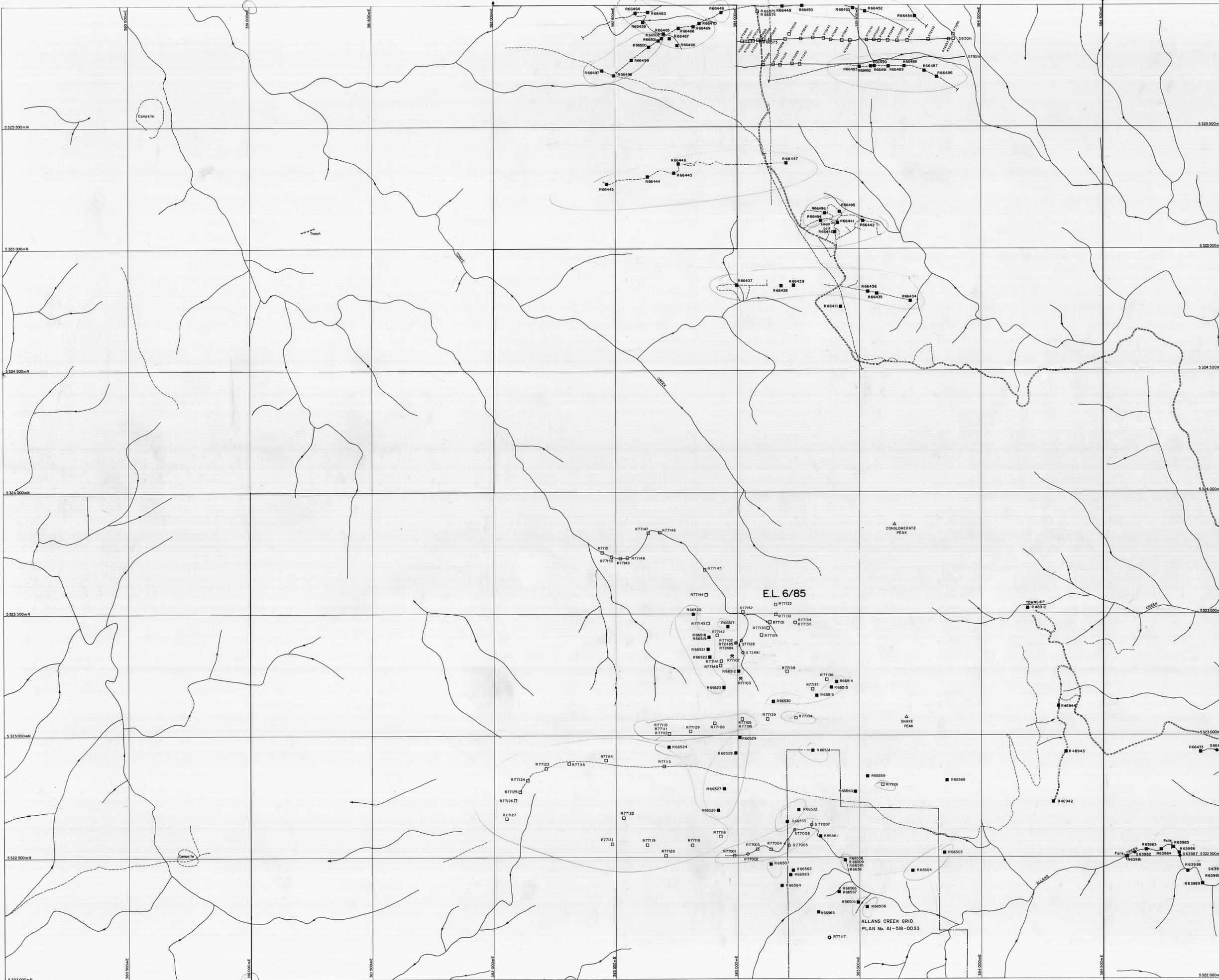
- 30 - Rock Chip Sample. Sampled by P.A. Rutton, D. Gardner, 1987, 1988. N.B. - All results are ppm.
- Below level of detection.
- R70 - Rock Chip Sample. Sampled by R. Gammon, 1985. N.B. - All results are ppm. N/R = No results.
- S40 - Stream Sediment Sample. Sampled by R. Gammon, 1985. N.B. - All results are ppm. N/R = No results.
- ⊙ R40 - Rock Chip Samples, Foot.
- ⋈ R7850 - Rock Chip Samples, Trenches.
- ⊙ R530 - Rock Chip Samples, Adit Surface. Sampled by D. Gardner, 1988.
- S25 - Stream Sediment Samples. N.B. - X = Below level of detection.



PLAN No. 14
ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT JUKES - DARWIN, T.A.S.
GEOCHEMISTRY
Cu

Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference:	Date: 10-4-85	Ref. No.
Drawn: R. J. R.	Checked:	AO-518-0014

TRS 94-2523
 E.L. 6/85
 S. Z. CO.
 JUKES - DARWIN



N.B. - Samples 72476-72483 taken underground in Findosa Adit.

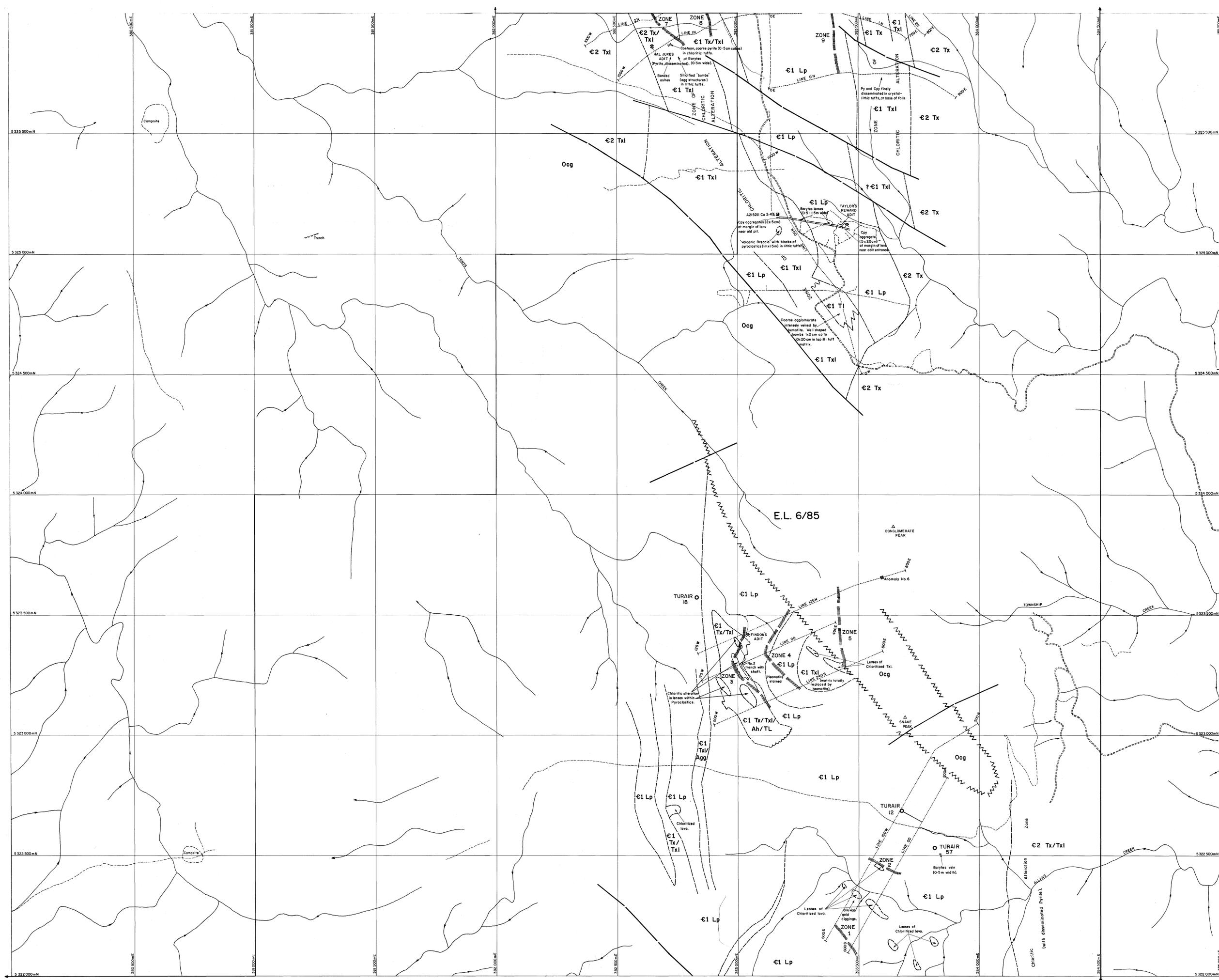
- R66439 - Rock Chip Sample. Sampled by P. Gammon, 1985
- S63982 - Stream Sediment Sample. Sampled by P.A. Ruxton, 1987
- R66543 - Rock Chip Sample, Outcrop. D. Gardner, 1987, 88
- S54789 - Stream Sediment Sample. D. Gardner, 1987, 88
- P77002 - Panmed Concentrate Sample.
- ◇ R77117 - Rock Chip Sample, Float. D. Gardner, 1988.
- △ R77107 - Rock Chip Sample, Tranches.
- ⊙ R77102 - Rock Chip Sample - Adit Surface.



PLAN No 12
ELECTROLYTIC ZINCO OF ASIA LTD.
PROJECT: JUKES - DARWIN
TAS.

SAMPLE LOCATIONS
TYPES and NUMBERS

Scale: 1:5000	Survey: P.G./D.G.	Revised: June, 1988
Reference:	Date: 4-4-'85	Ref. No.
Drawn: R.J.R.	Checked:	AQ-518-0008



LEGEND

ORDOVICIAN

- Ocg OWEN CONGLOMERATE Sandstones, grits & conglomerates.

CAMBRIAN

- C2 FLANKING PYROCLASTICS (Rhyolite)
 - Tx CRYSTAL TUFF
 - Txl CRYSTAL-LITHIC TUFF
- C DARWIN GRANITE
 - qt Sub-volcanic, intrudes central core rhyolites. Clasts of granite observed in overlying Flanking Pyroclastics.
 - Tx CRYSTAL TUFF
 - Txl CRYSTAL-LITHIC TUFF
 - Agg Agglomerate.
- C1 CENTRAL CORE RHYOLITES
 - TL LITHIC TUFF (includes lapilli-tuffs).
 - Ah BANDED ASHES.
 - Ch CHERT (possibly water-laid ashes).
 - Lp LAVAS, massive pink porphyritic, veined by hematite-magnetite.

Zones of chloritic alteration - developed parallel to margins of massive lava core, within Central core pyroclastics & Flanking Pyroclastics.
 Taken from sheets II & I2 - GEOLOGY of E.L. 13/63, by INTERNATIONAL NICKEL AUSTRALIA LIMITED.

SYMBOLS

- ⊗ I.P. Anomaly (approx. position only).
- ▨ I.P. Zone and Number.
- ⋄ Old Workings.
- Grid Lines (for I.P. Surveys).
- I2 TURAIR Anomaly.
- Walking Track.
- Vehicular Track.
- River or Creek.
- FAULT - Inferred.
- Geological Boundary - Inferred.
- ~ Unconformity - Inferred.

Scale: 1:5000

Reference: Survey: P.G. Date: 30-3-'85 Drawn: R.J.R.

Revised: Ref. No. A0-518-0003

ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES - DARWIN, T.A.S.

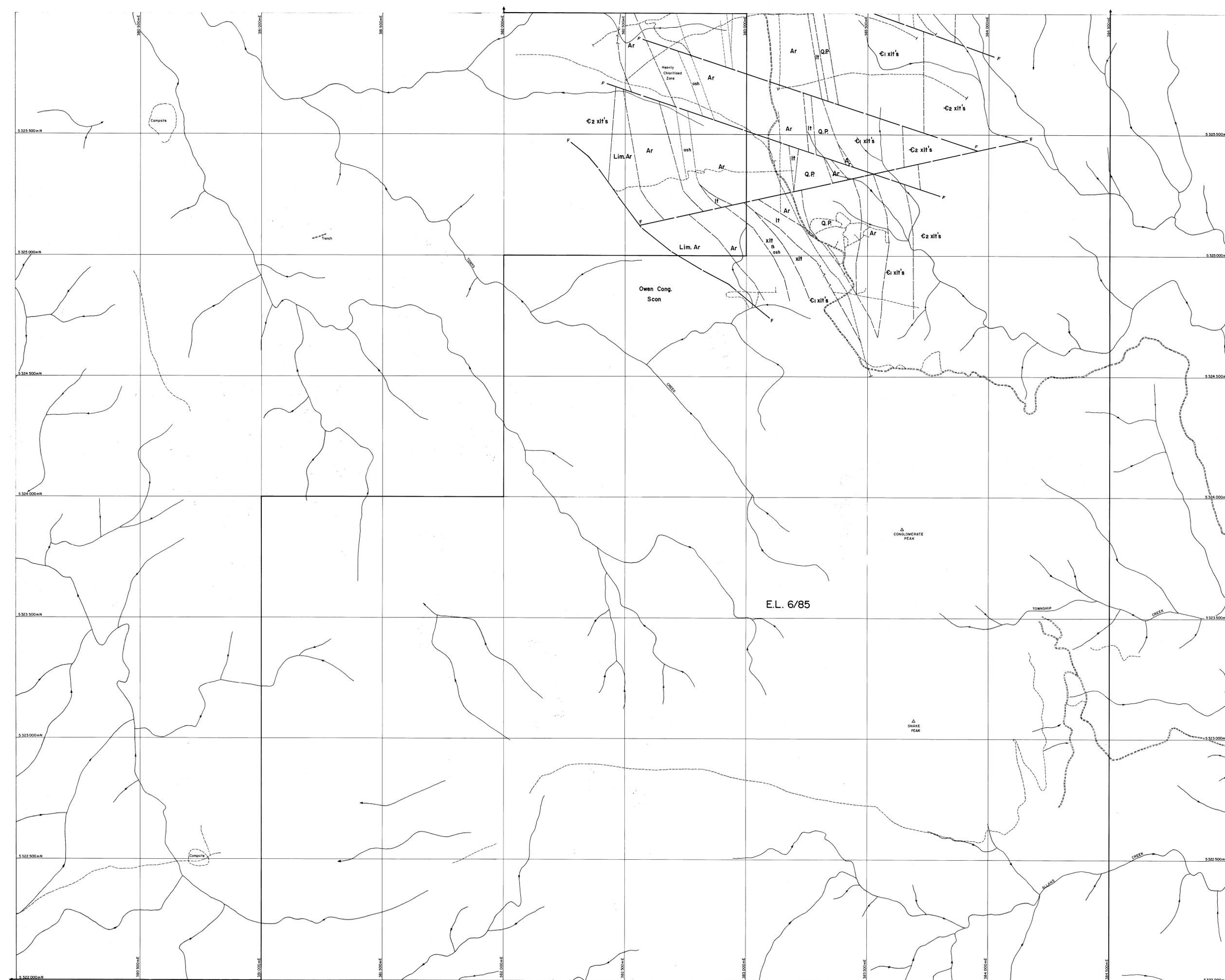
GEOLOGY INTERPRETATION

Scale: 5 cm

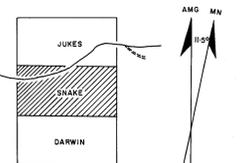
AMG MN
 115° 15'

JUKES
 SNAKE
 DARWIN

TPR 34-3623
 E.L. 6/85
 JUKES 2 CO
 CAMBRIA



C1 xlt's = 1st. Flanking volcanoclastic unit. Crystal Tuffs, Limic Tuffs,
 C2 xlt's = 2nd. Crystal Limic Tuffs.
 ——— Fault,
 - - - - - Main lithological boundary,
 - - - - - Secondary lithological boundary.

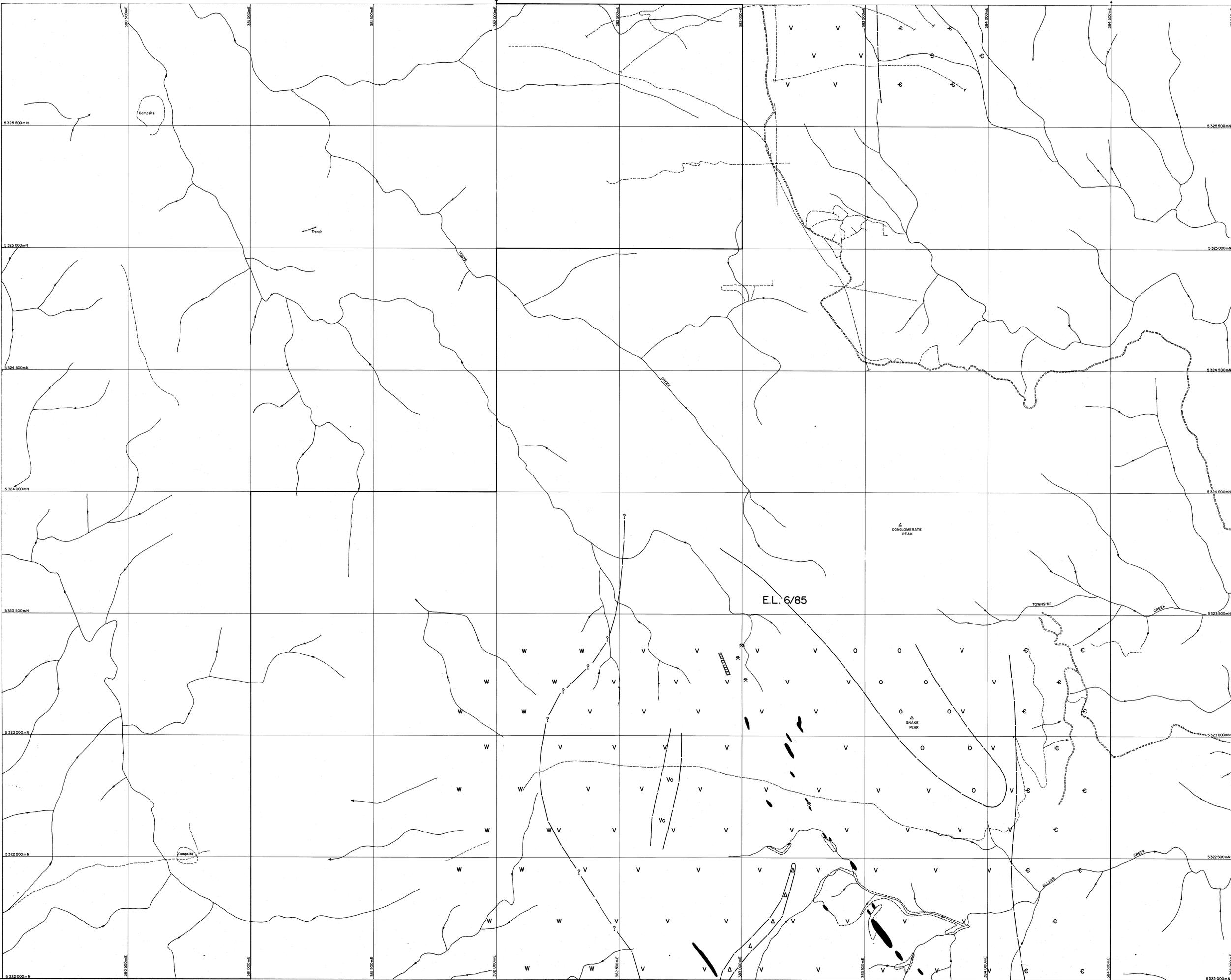


ELECTROLYTIC ZINC CO. OF AUSTRALIA LTD.
 PROJECT: JUKES - DARWIN, TAS.

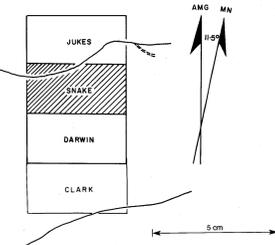
GEOLOGY
 (INTERP)

Scale: 1:5000	Survey: P.G.	Revised:
Reference:	Date: 31-10-85	Ref. No.
Drawn: R.J.R.	Checked:	AO-518-0025

TOL 94-1623
 58/9
 2
 DARWIN



- LEGEND**
- Old workings, hardrock.
 - Alluvial gold workings.
 - Chloritic lodes, dark green, disseminated vein pyrite.
 - "Chert", silicified, fine grained, volcanic.
 - Owen Conglomerate.
- MOUNT READ VOLCANICS**
- W Western Sequence.
 - E Eastern Sequence.
 - V Central Sequence.
 - Δ Δ Agglomerate.
 - Vc Volcanoclastic lenses.



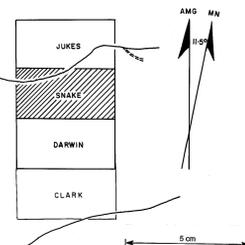
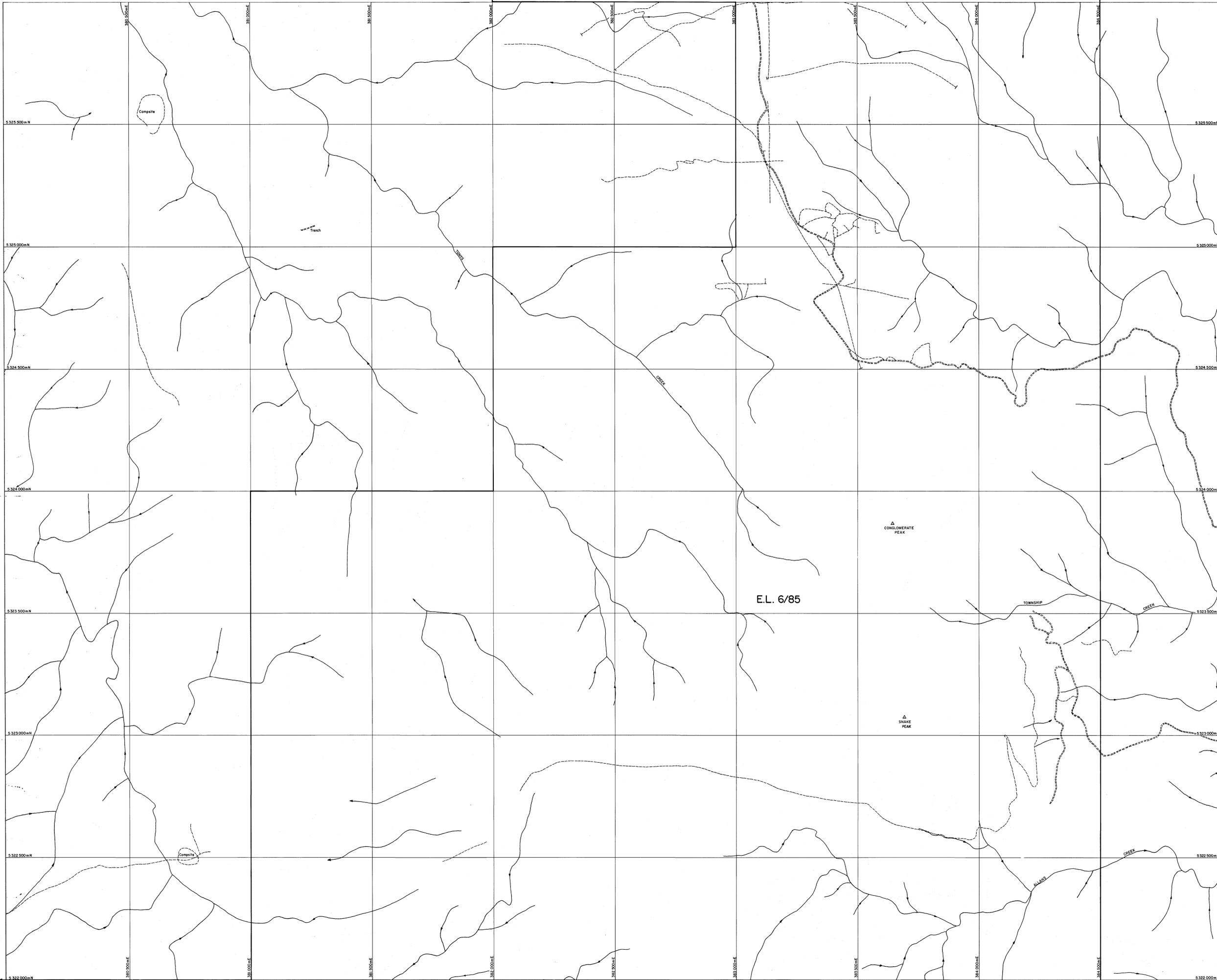
ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: JUKES-DARWIN, TAS.

GEOLOGY INTERPRETATION

Scale: 1:5000	Survey: R.A.R., D.G.	Revised: June, 1988
Reference:	Date: 18-2-87	Ref. No.
Drawn: N.W.D.S.	Checked:	AO-518-0036

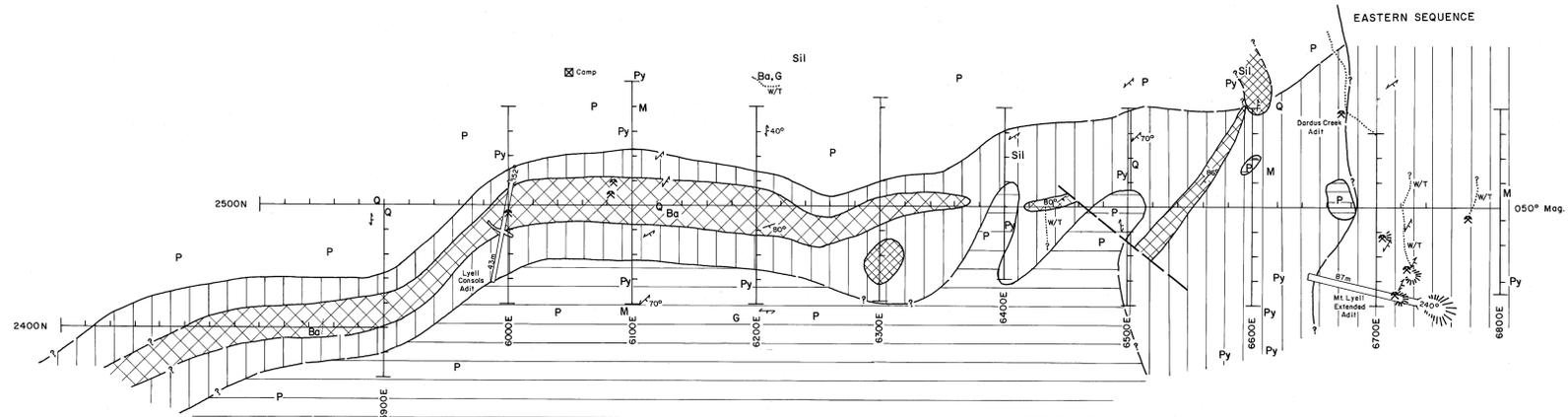
1988-06-13
 18-2-87
 R.A.R.

TOR: 94-3823
E.L. 6/85
JUKES - DARWIN
DARWIN

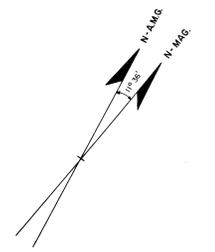


ELECTROLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: JUKES - DARWIN ,TAS.

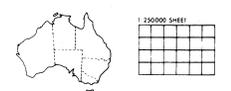
Scale: 1:5000	Survey:	Revised:
Reference:	Date:	Ref. No.
Drawn:	Checked:	AO-518-



- LEGEND**
- P Fine to medium grained Pink Alteration of Feldspar Pyritic acid volcanics (Rhyolite) showing variable chloritization.
 - [Cross-hatched pattern] Mappable band of impure Chert. Ultrafine microgranular Quartz. Showing minor brecciation in parts. Disseminated Pyrite 5-40%.
 - [Vertical line pattern] Green to grey chloritic and siliceous zone surrounding Chert zone. Variable chloritization of Feldspar phenocrysts to total alteration.
 - [Horizontal line pattern] Silicification of feldspar-pyritic lava and fine grained pink altered lava. Some gossan, pyrite and minor brecciation.
 - [Dotted pattern] Intense chloritic alteration of pyritic acid volcanics. Strongly cleaved.
 - M Magnetite Veining.
 - G Galena.
 - Sil Patchy Silicification.
 - Py Pyrite, disseminated/veining.
 - Ba Barite vein.
 - Q Quartz.
 - * Mine workings.
 - 87m Adit - Length, in metres - Direction, in degrees.
 - Dump.
 - W/T Disused working track, haulage track.
 - Cliff face.
 - FAULT - Position approx.
 - Geological boundary.



5 cm



SCALE
0 100 200 METRES

EZ
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

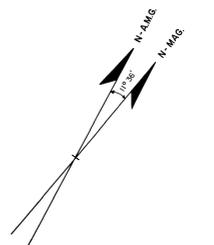
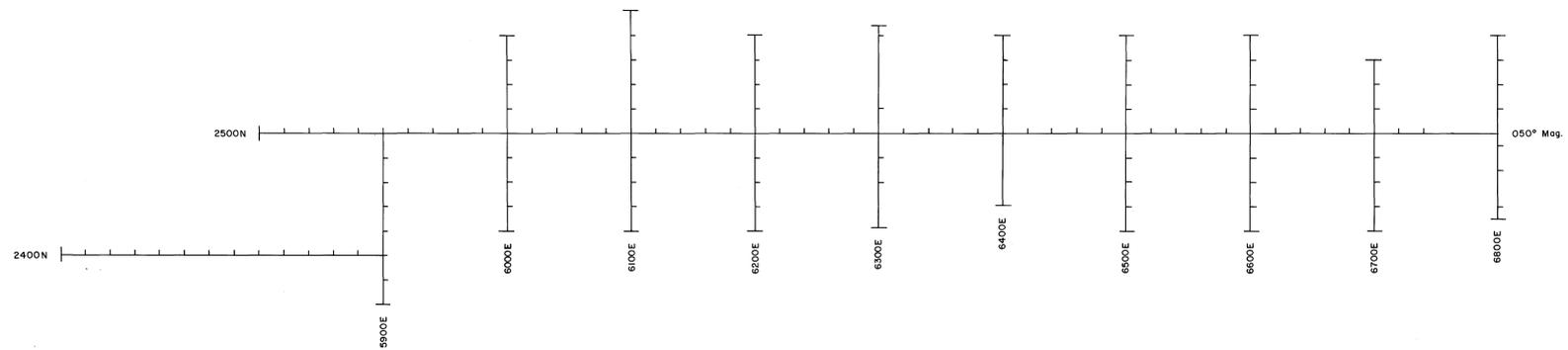
GEOLOGY
MT. DARWIN TO MT. LYELL
EXTENDED ADIT GRID

Compiled: A.H. Date: 26-3-'88 Scale: 1:2000

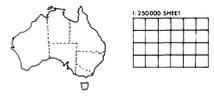
AMG: Latitude: Longitude:

Drawn: N.W.D.S. File No: PLAN NO:
AO-518-0055

TOR 94-3823
 E.L. 6/85
 JUKES-DARWIN
 DARWIN



5 cm



SCALE
0 100 200 METRES

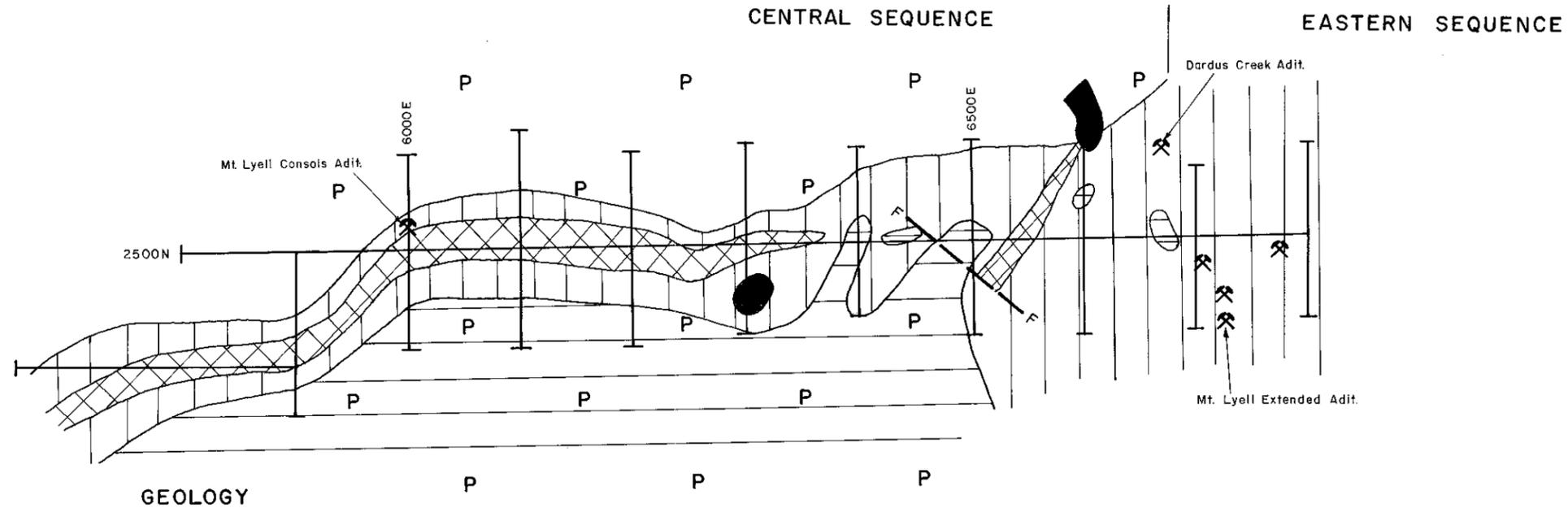
EZ
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**MT. DARWIN TO MT. LYELL
EXTENDED ADIT GRID**

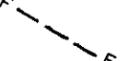
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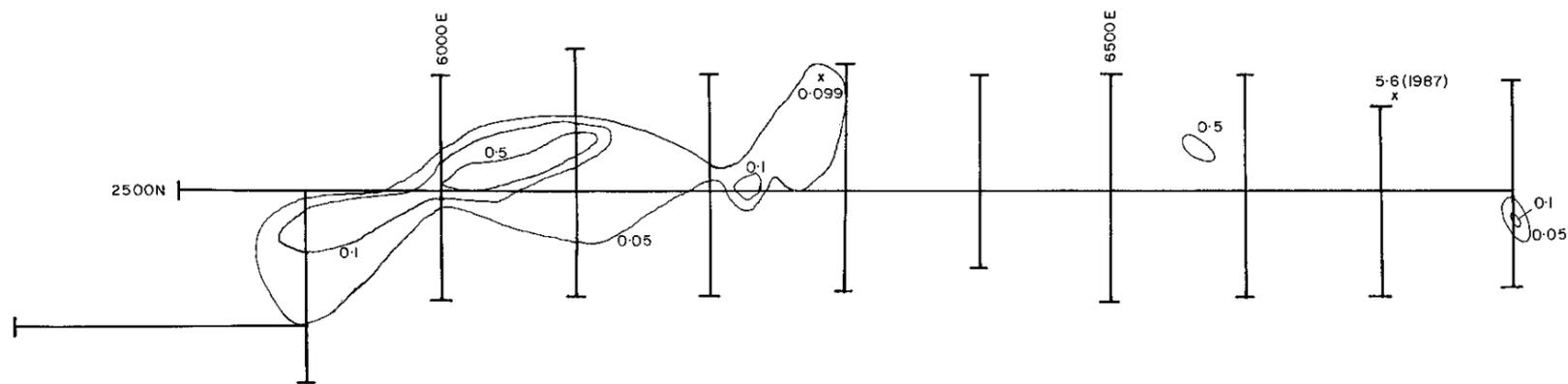
A3-518-0066



GEOLOGY

LEGEND

- P** Fine to medium grained pink alteration of Feldspar pyritic acid volcanics (Rhyolite) showing variable chloritization.
-  Mappable band of impure Chert. Ultrafine microgranular Quartz. Showing minor brecciation in parts. Disseminated Pyrite 5-40%.
-  Green to green grey chloritic and silicious zone surrounding Chert zone. Variable chloritization of feldspar phenocrysts to total alteration.
-  Silicification of feldspar-pyritic lava and fine grained pink altered lava. Some gossan, pyrite and minor brecciation.
-  Intense chloritic alteration of pyritic acid volcanics. Strongly cleaved.
-  Old workings.
-  Fault position, approximate.

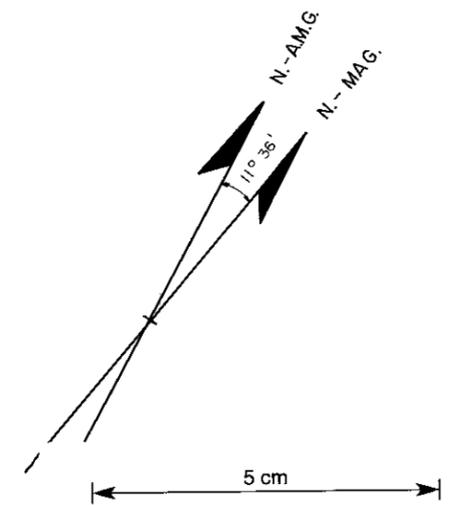


Au GEOCHEMISTRY

Contour values in p.p.m. Au.

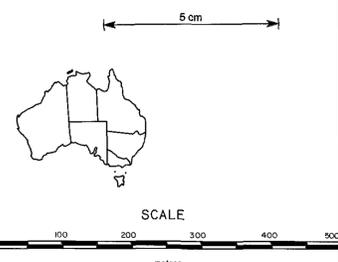
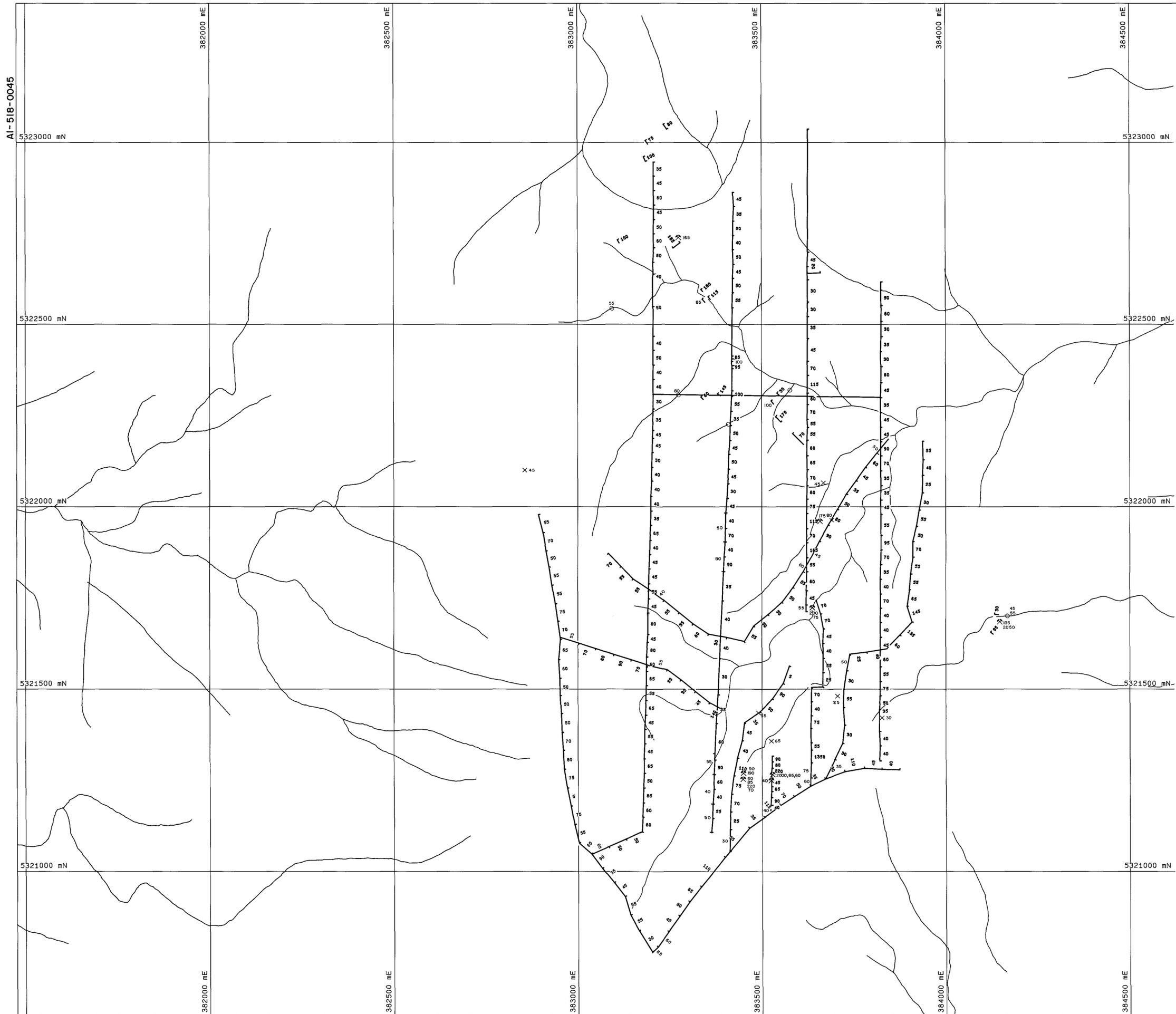
E-Z

Project: JUKES-DARWIN E.L.6/85	
MT. LYELL CONSOLS - MT. LYELL EXTENDED GEOLOGY and Au GEOCHEMISTRY	
Survey: D.G. & A.H.	Scale: 1:5000
Date: April, 1988	FIG. 4.
Drawn: N.W.D.S. - 25-6-88	



JUKES - DARWIN

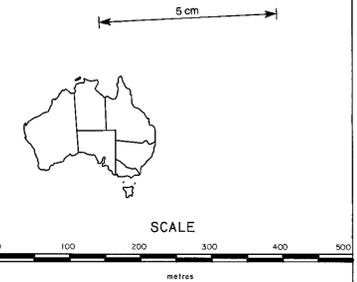
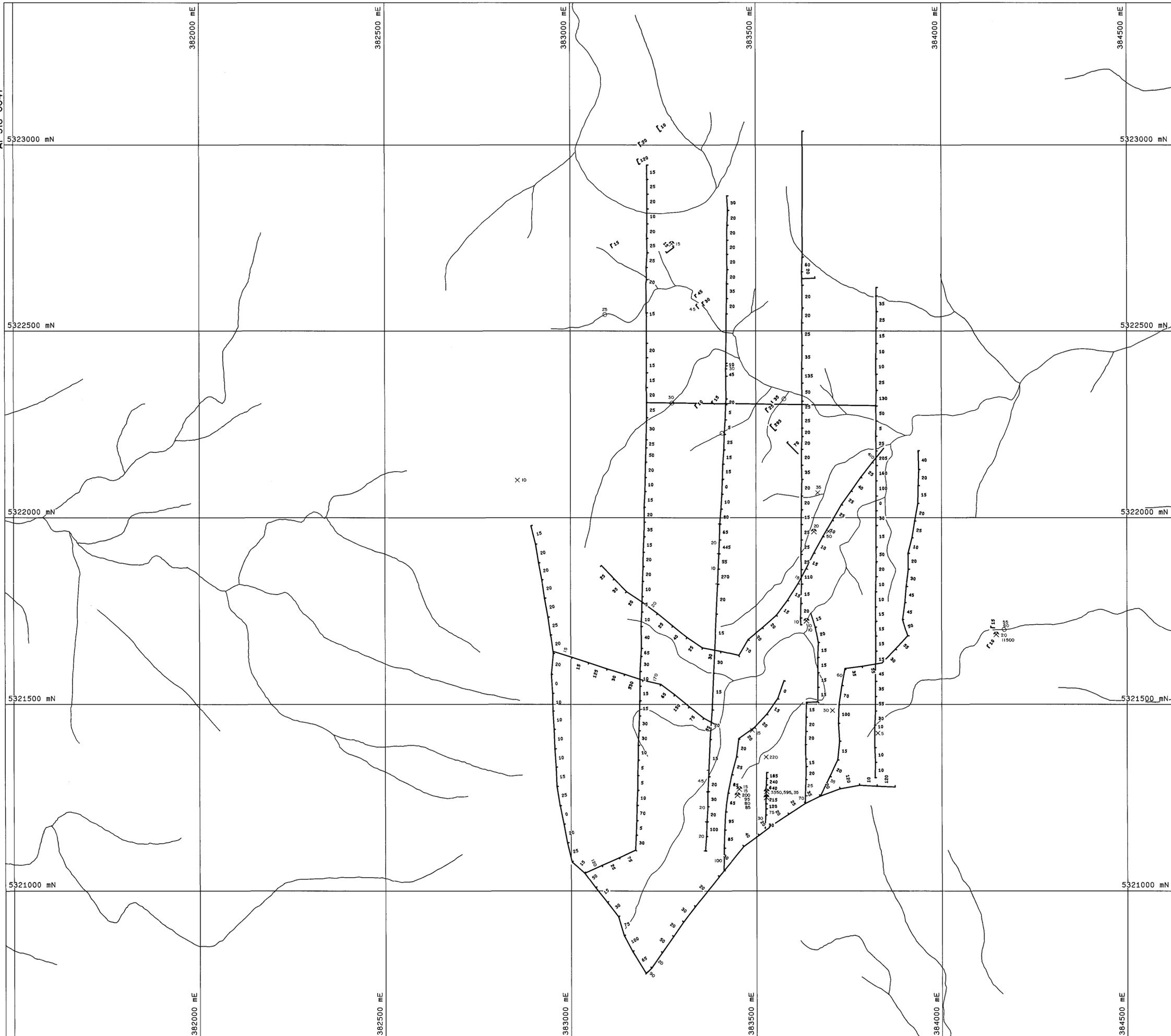
TCR 94-3623
E.L. 6/85
E Z CO
JUKES - DARWIN



E-Z		
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES - DARWIN E.L.6/85		
ROCK CHIP GEOCHEMISTRY		
Zn		
(ALLANS CREEK GRID)		
Compiled: I.MAT.	Date: 17-SEP-87	Scale 1: 5000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 6.
AI-518-0045		

TCR 94-3623
 EL 6/85
 E Z CO
 JUKES - DARWIN

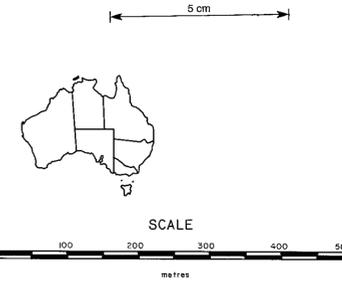
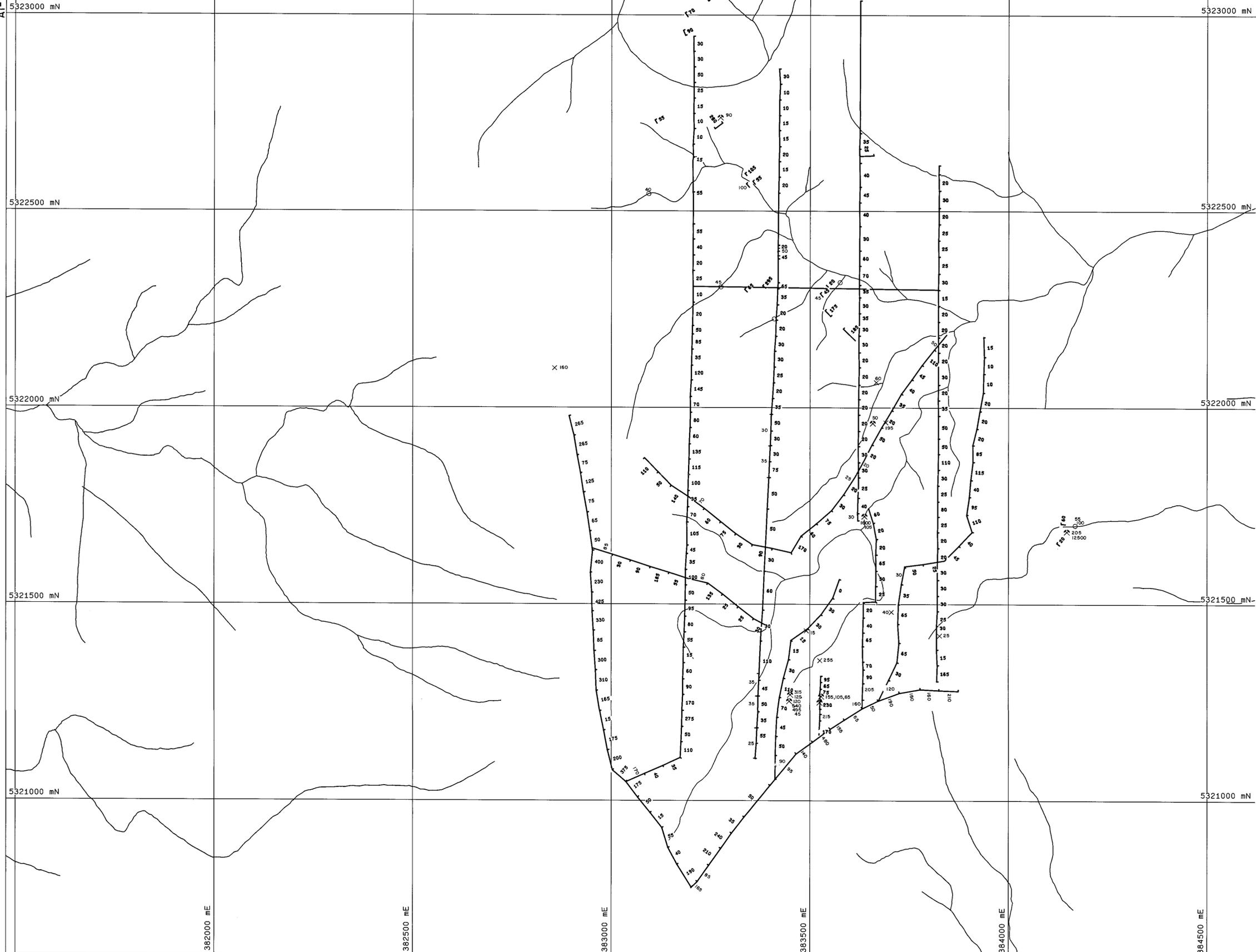
AI-518-0047



E·Z		
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES-DARWIN E.L. 6/85		
ROCK CHIP GEOCHEMISTRY		
Pb (ALLANS CREEK GRID)		
Compiled: I.MAT.	Date: 17-SEP-87	Scale 1: 5000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 5
AI-518-0047		

TCR 94-3623
E.L. 6/85
E.Z. CO
JUKES - DARWIN

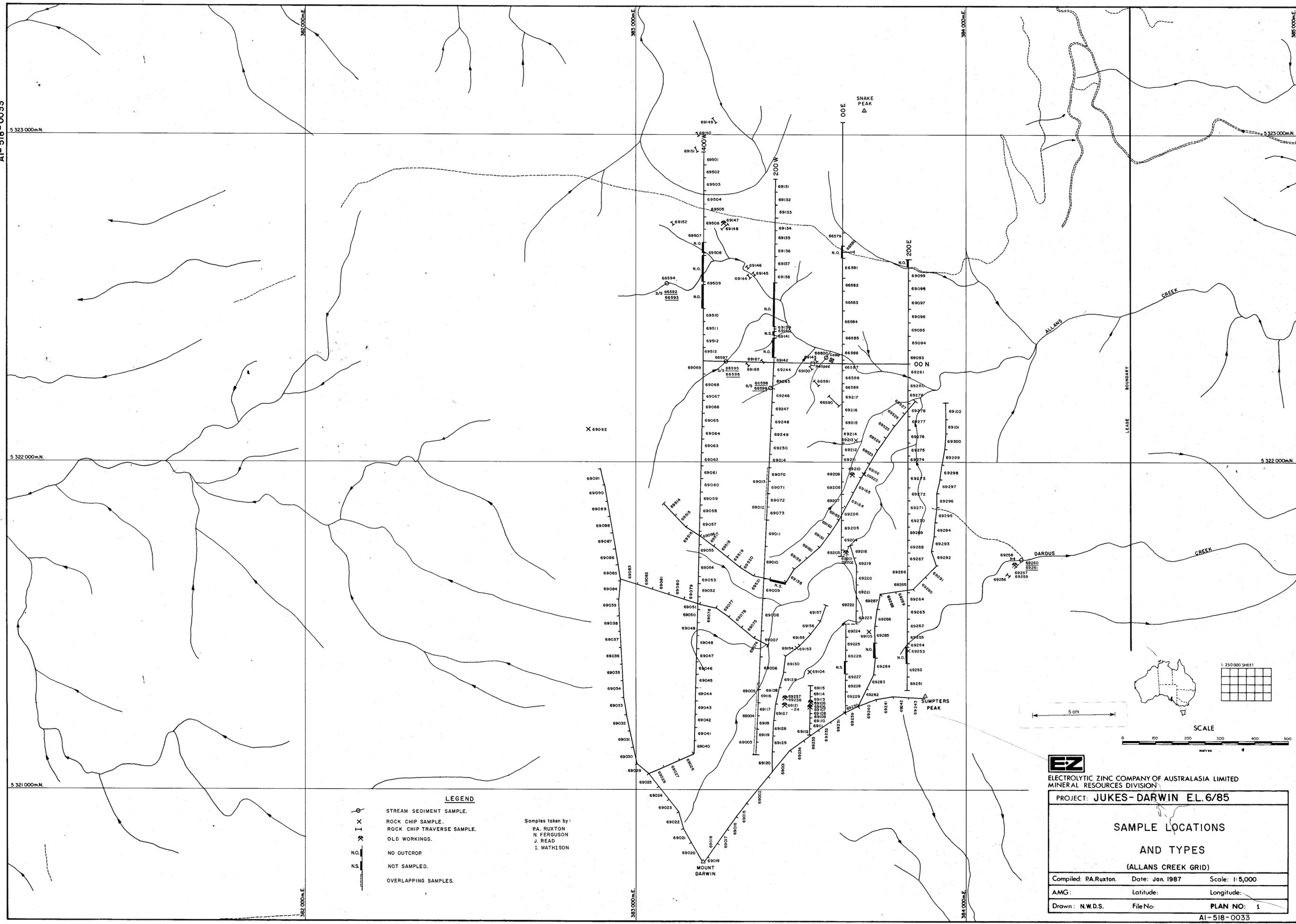
AI-518-0046



E·Z		
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES-DARWIN E.L.6/85		
ROCK CHIP GEOCHEMISTRY		
Cu (ALLANS CREEK GRID)		
Compiled: I.MAT.	Date: 17-SEP-87	Scale 1: 5000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 4
AI-518-0046		

TCR 94-3623
 EL. 6/85
 JUKES - DARWIN

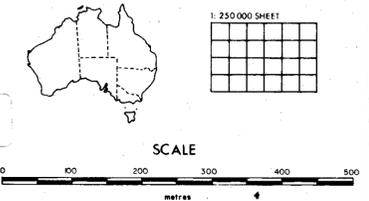
AI-518-0033



LEGEND

- STREAM SEDIMENT SAMPLE.
- ROCK CHIP SAMPLE.
- ROCK CHIP TRAVERSE SAMPLE.
- OLD WORKINGS.
- NO OUTCROP.
- NOT SAMPLED.
- OVERLAPPING SAMPLES.

Samples taken by:
 P.A. RUXTON
 N. FERGUSON
 J. READ
 I. MATHISON



EZ
 ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**SAMPLE LOCATIONS
 AND TYPES**
 (ALLANS CREEK GRID)

Compiled: P.A. Ruxton.	Date: Jan. 1987	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: 1

AI-518-0033

Traverse All for reports.

AI-518-0034

LEGEND

(ORDOVICIAN) Owen Conglomerate.

CENTRAL SEQUENCE (CAMBRIAN) Agglomerate.

F " Feldspar-phyric lava (feldspar phenocrysts).

ALTERATION - CENTRAL SEQUENCE

P Fine grained pink alteration of feldspar-phyric lava. Variable chloritization. (K feldspar or hematite + albite).

Intense chloritic alteration of feldspar-phyric lava and fine grained pink altered lava.

Silicification of feldspar-phyric lava and fine grained pink altered lava. Gossanous ± brecciation ± pyrite.

"Chert" band. Silicified fine grained volcanic (?) rock and feldspar-phyric lava. Minor brecciation. Gossanous ± pyrite.

Choritic lodes. Intensely chloritized lava with quartz/magnetite/hematite veins. ± disseminated and vein pyrite.

M/h Magnetite/hematite veining.

sil Patchy silicification.

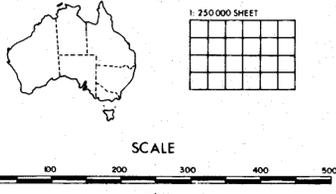
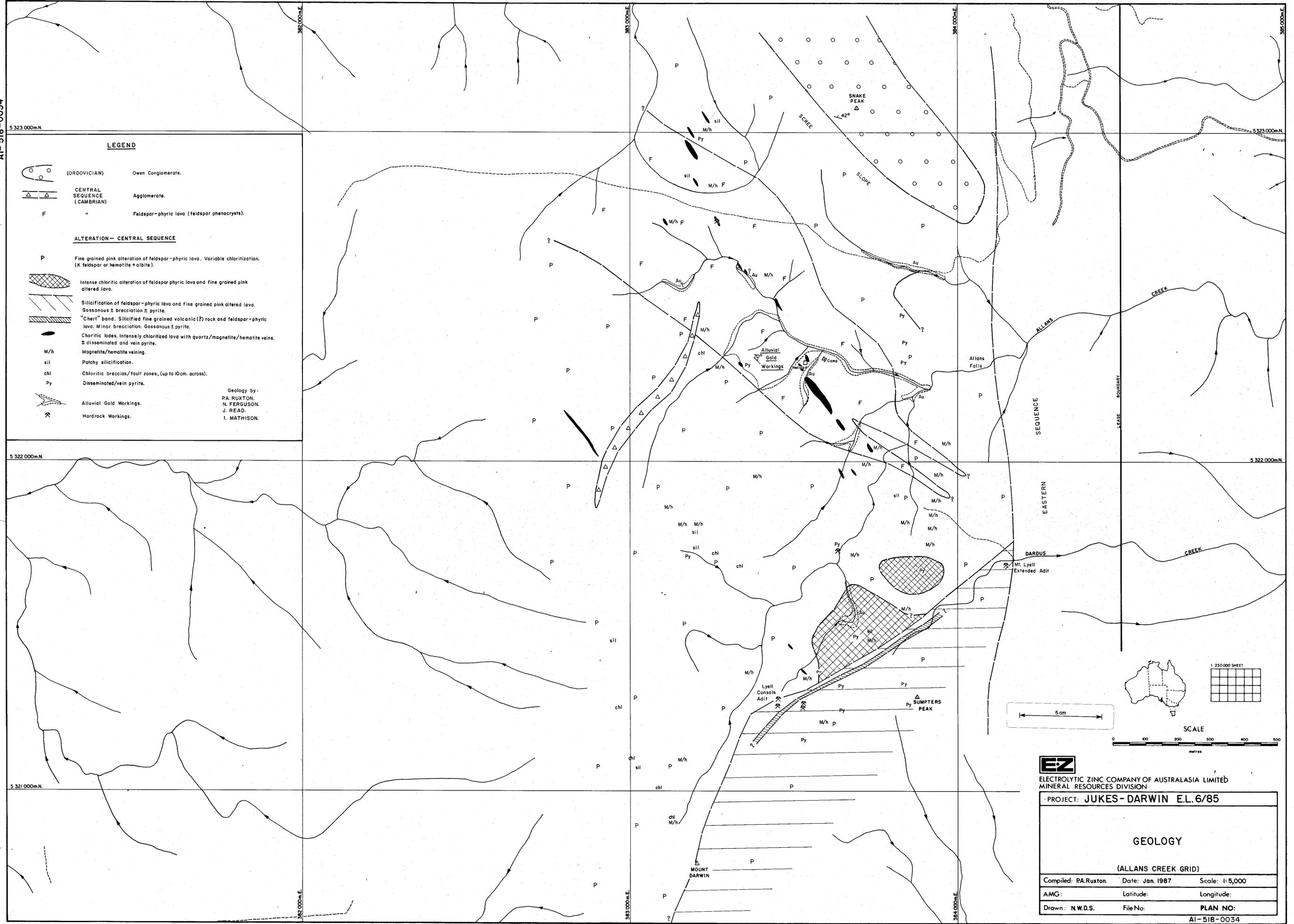
chl Chloritic breccias/fault zones, (up to 10cm. across).

Py Disseminated/vein pyrite.

Alluvial Gold Workings.

Hardrock Workings.

Geology by:
RA. RUXTON,
N. FERGUSON,
J. READ,
I. MATHISON.



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ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L.6/85

GEOLOGY
(ALLANS CREEK GRID)

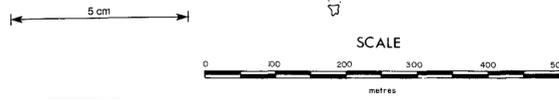
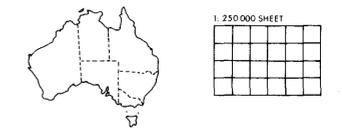
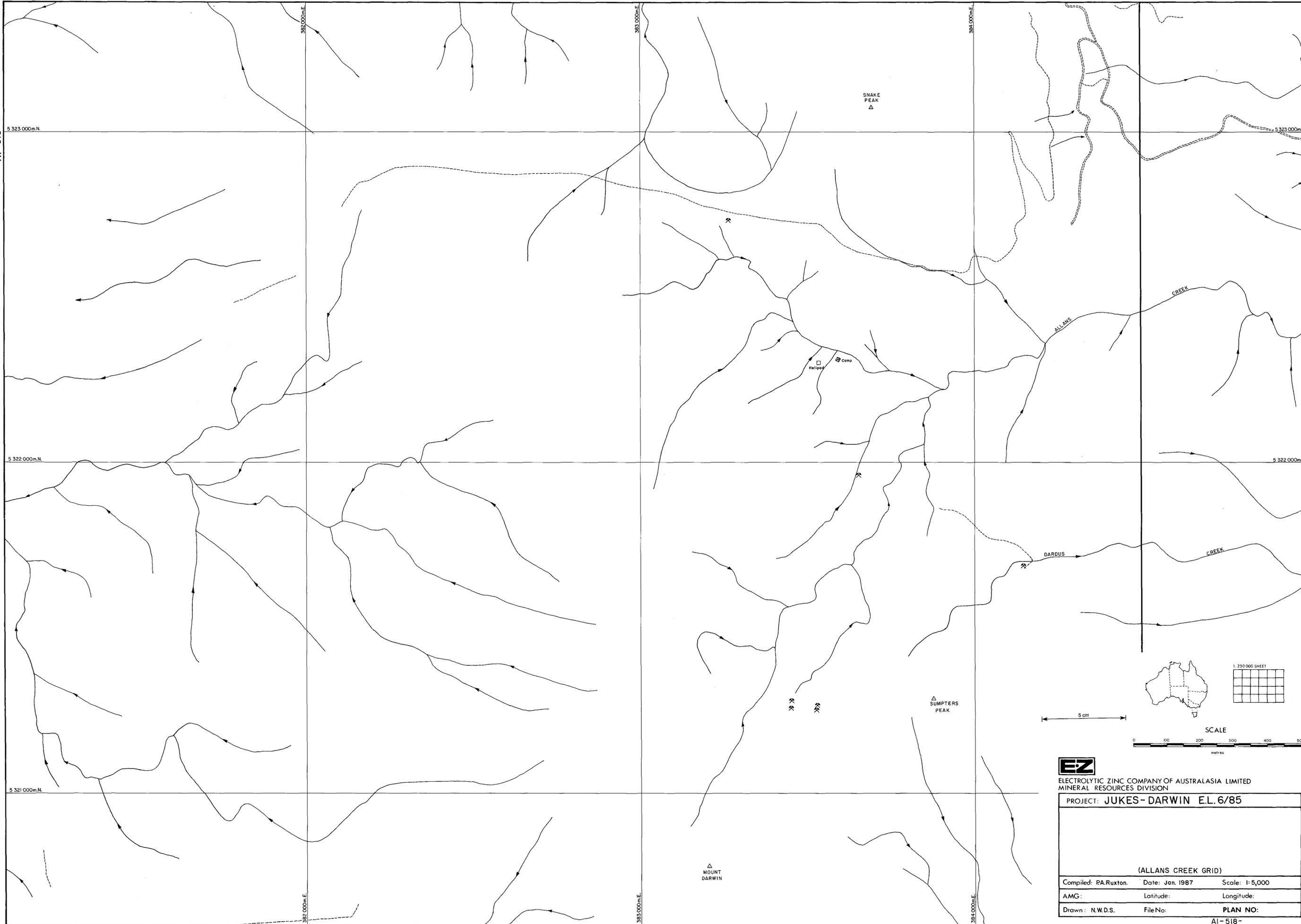
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AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO:

AI-518-0034

TCR 94-3623
E.L. 6/85
E Z CO
JUKES - DARWIN

TCR 94-3623
E.L. 6/85
E Z CO
JUKES - DARWIN

AI-518-



EZ ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED MINERAL RESOURCES DIVISION		
PROJECT: JUKES-DARWIN E.L. 6/85		
(ALLANS CREEK GRID)		
Compiled: P.A. Ruxton.	Date: Jan. 1987	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO:

AI-518-

Trimline A1 for original

Trimline A1 for report

AO-518-0061

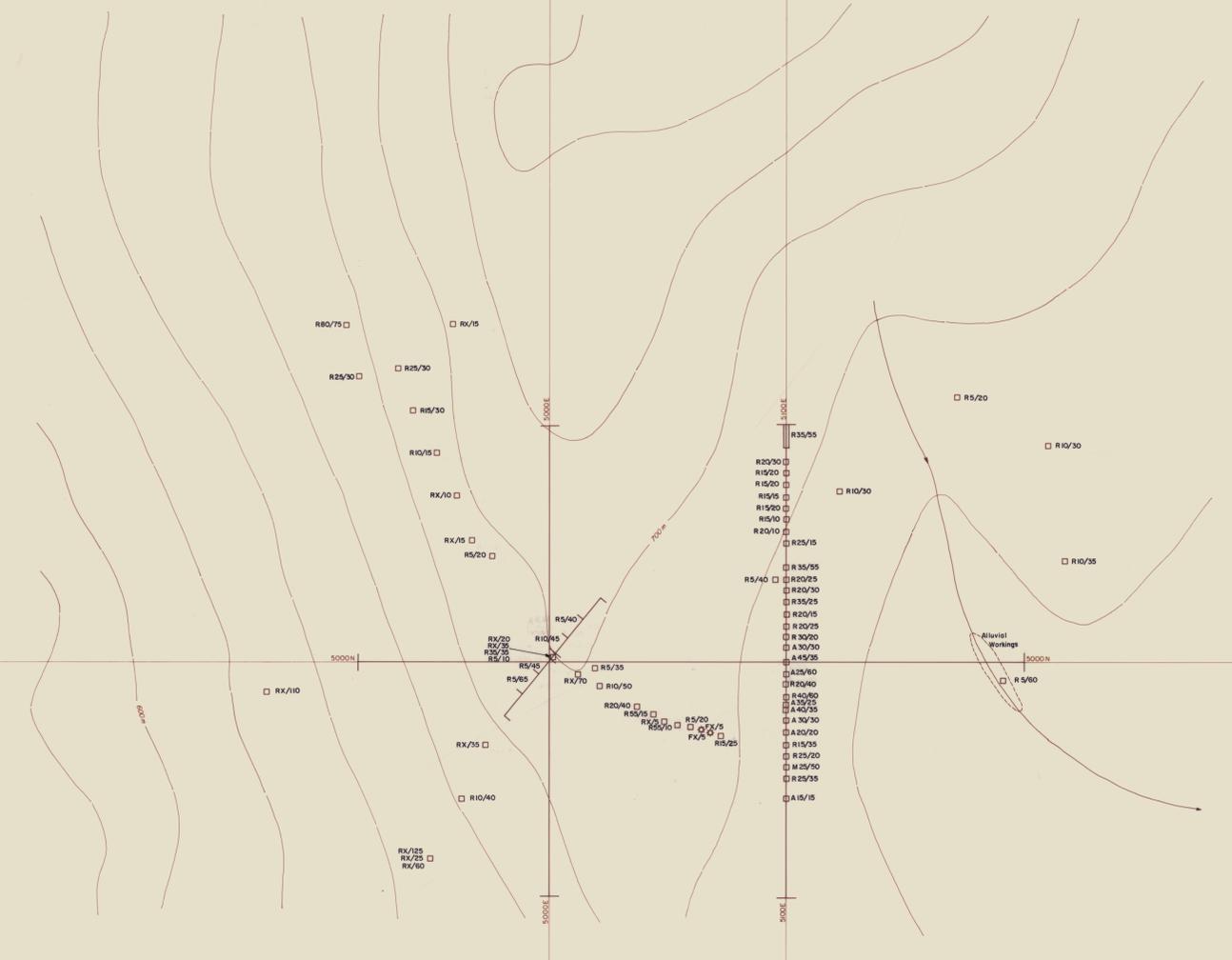
539 500m N

539 500m N

539 000m N

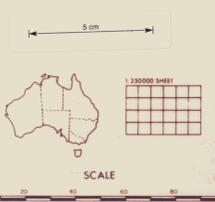
383 500m E

383 500m E



- LEGEND**
- R10/50 Rock Chip Sample, Outcrop
 - A20/20 Asper Sample
 - ⊙ FX/5 Rock Chip Sample, Float
 - 5000E Cut Grid Line
 - Alluvial Workings

- NOTES**
1. Samples 70069-70082, 77178-77192 are 2m spaced rock chip samples. See separate sheet.
 2. This map was compiled from 1:5000 scale mapping and the grid based sampling. Grid position not necessarily accurate.
 3. Contour interval = 20m.
 4. X = Below level of detection.



EZ
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**NORMS QUARTZ PROSPECT
GEOCHEMISTRY
Pb/Zn**

Compiled: D.G.	Date: 9-6-'88	Scale: 1:1000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO:

AO-518-0061

TPR 84-1623
REV 6/85
JUKES - DARWIN

TCR 94-3623
E.L. 6/85
JUKES-DARWIN

AO-518-0062

5319500mN

5319000mN

5319500mE

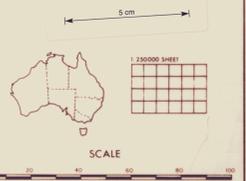
5319000mE

5319500mE



- LEGEND**
- Rock Chip Sample, Outcrop
 - Auger Sample
 - Rock Chip Sample, Float
 - 500E Cut Grid Line
 - Alluvial Workings

- NOTES**
1. Samples 70069-70082, 77178-77192 are 2m. spaced rock chip samples. See separate sheet.
 2. This map was compiled from 1:5000 scale mapping and the grid based sampling. Grid position not necessarily accurate.
 3. Contour interval = 20m.
 4. X = Below level of detection.



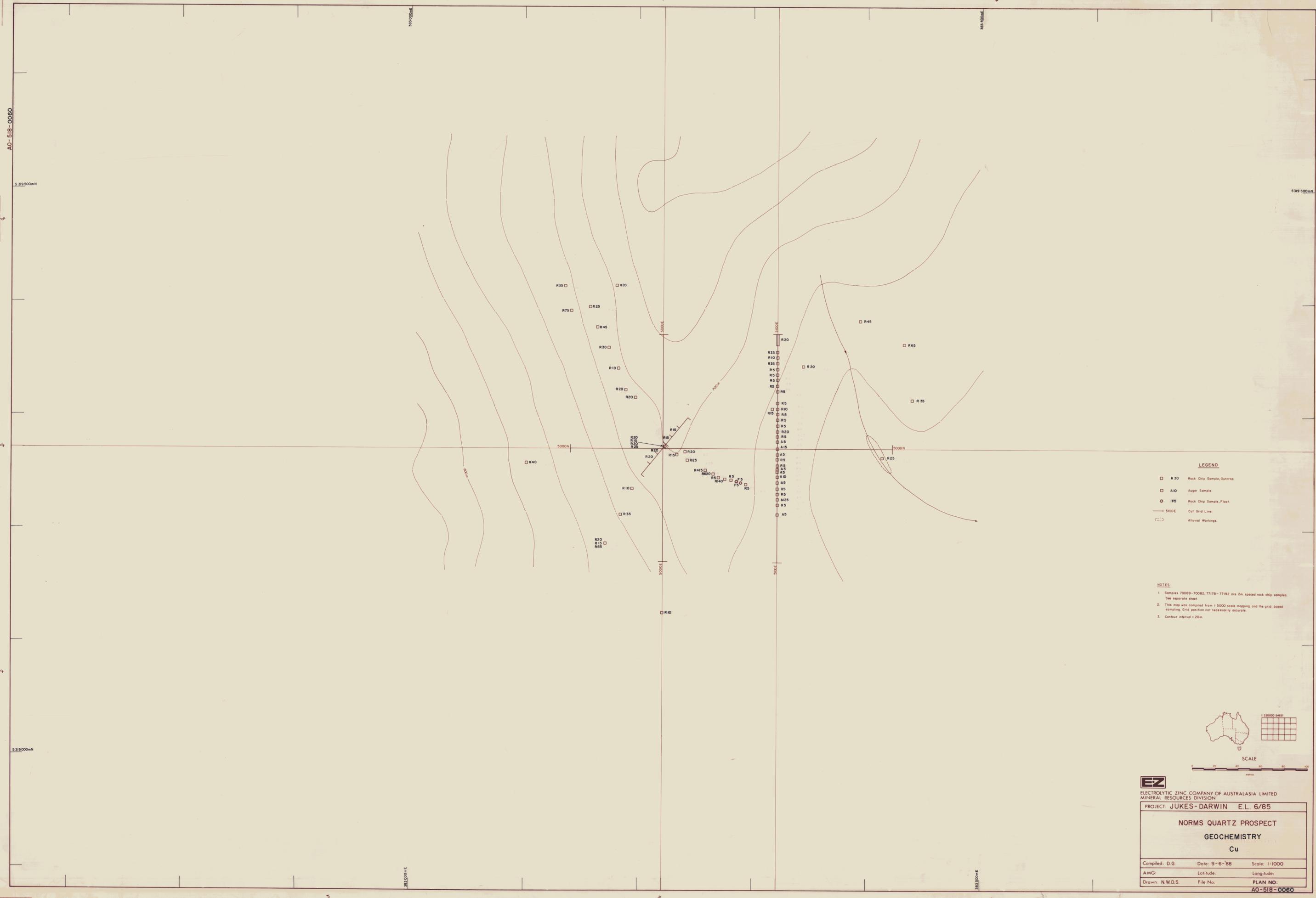
EZ
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**NORMS QUARTZ PROSPECT
GEOCHEMISTRY
Au**

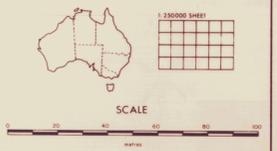
Compiled: D.G.	Date: 9-6-'88	Scale: 1:1000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: AO-518-0062

TCE 94-3823
 EL 6/85
 JUKES - DARWIN



- LEGEND**
- R 30 Rock Chip Sample, Outcrop
 - A 10 Auger Sample
 - F 5 Rock Chip Sample, Floor
 - 500E Cut Grid Line
 - - - Alluvial Workings

- NOTES**
1. Samples 70069-70082, 77178-77192 are 2m spaced rock chip samples. See separate sheet.
 2. This map was compiled from 1:5000 scale mapping and the grid based sampling. Grid position not necessarily accurate.
 3. Contour interval = 20m.



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 MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**NORMS QUARTZ PROSPECT
 GEOCHEMISTRY
 Cu**

Compiled: D.G.	Date: 9-6-88	Scale: 1:1000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: AO-518-0060

AO-518-0063

539600 N
382700 E

382700

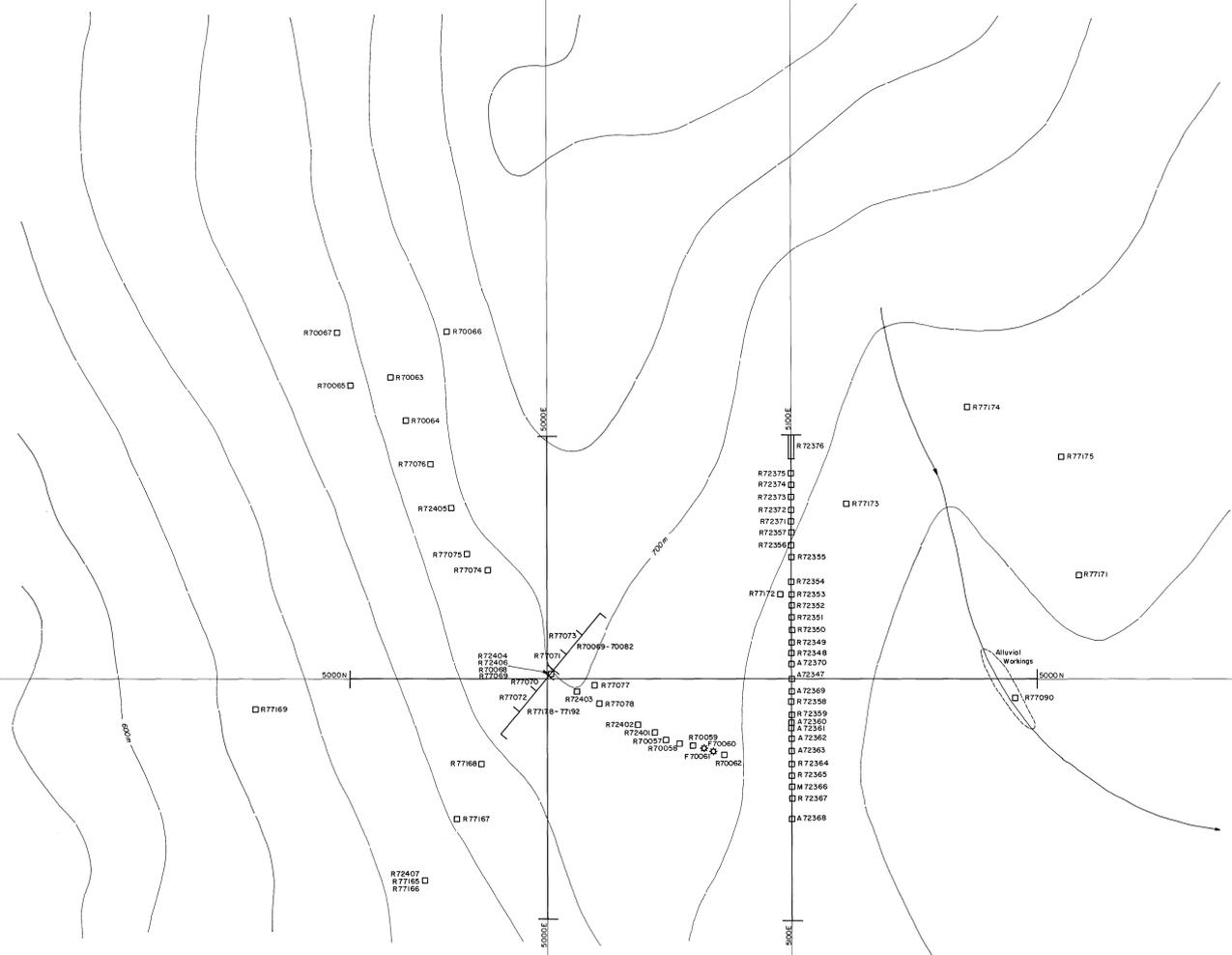
539500 N

539500 N

539000 N

383500 E

383500 E

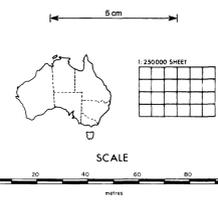


- LEGEND**
- R70064 Rock Chip Sample, Outcrop
 - A72361 Auger Sample
 - F70060 Rock Chip Sample, Float
 - 5000E Cut Grid Line
 - Alluvial Workings

- NOTES**
1. Samples 70069-70082; 77178-77192 are 2m spaced rock chip samples. See separate sheet.
 2. This map was compiled from 1:5000 scale mapping and the grid based sampling. Grid position not necessarily accurate.
 3. Contour interval = 20m.

539100 N

383700



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PROJECT: JUKES-DARWIN E.L. 6/85

NORMS QUARTZ PROSPECT
SAMPLE LOCATIONS
TYPES AND NUMBERS

Compiled: D.G.	Date: 9-6-88	Scale: 1:1000
AMG:	Latitude:	Longitude:
Drawn: N.W.D.S.	File No:	PLAN NO: AO-518-0063

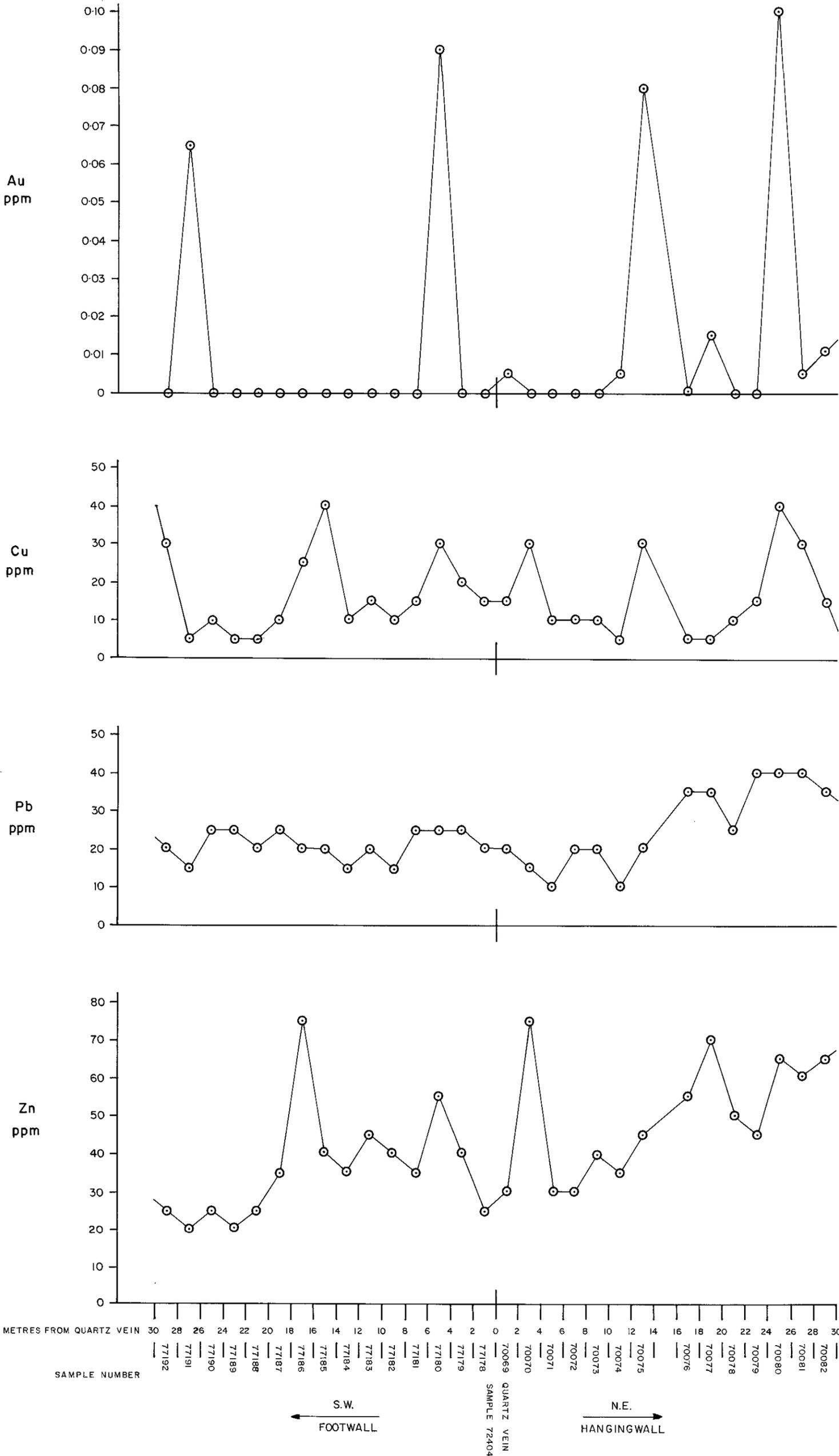
TCR 14/8523
R 2/85
R 2 CO
JUKES - DARWIN

TCR 94-3623
 EL 6/85
 E Z CO
 JUKES - DARWIN

64

A3-518-0068

GEOCHEMICAL RESULTS for
 SAMPLES ACROSS NORMS QUARTZ VEIN
 Fig. 9a - APRIL, 1988

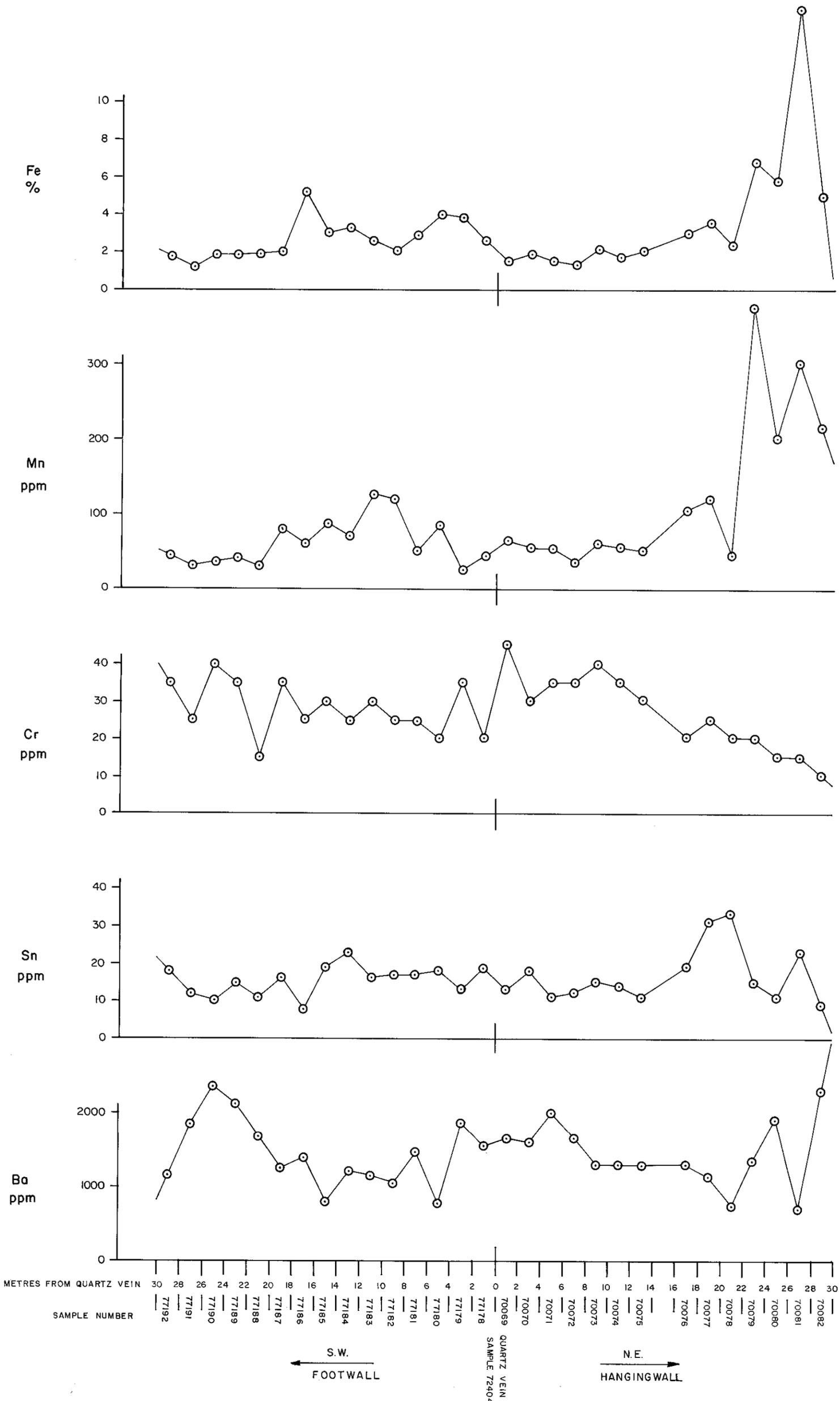


TCR 94-3623
 EL 6/85
 E Z CO
 JUKES - DARWIN

59

A3-518-0069

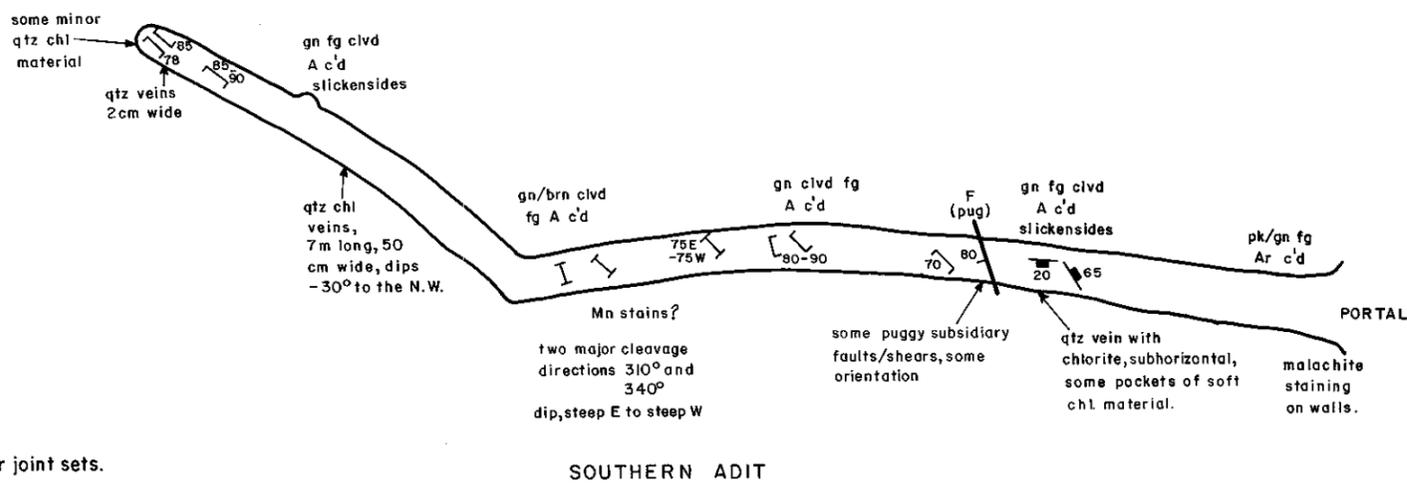
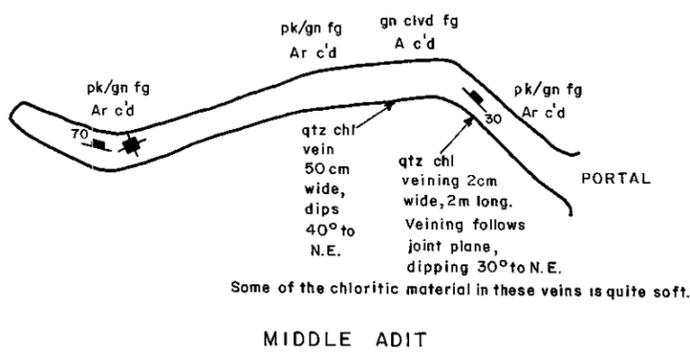
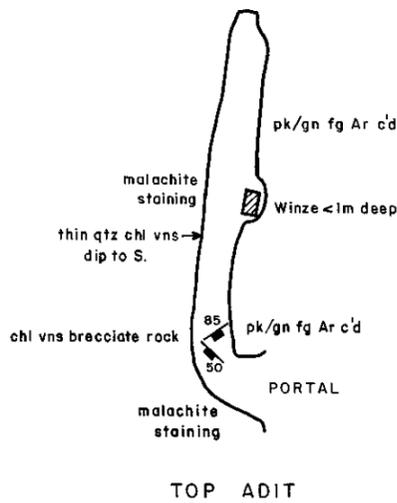
GEOCHEMICAL RESULTS for
 SAMPLES ACROSS NORMS QUARTZ VEIN
 Fig. 9b - APRIL, 1988



Trimline A3 for binding within text

Trimline A3 for report pockets

A3-518-0040

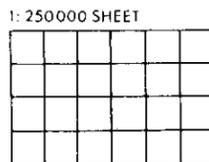


LEGEND

- cleavage.
- jointing, major joint sets.
- Fault.

5 cm

N.B. - Lithological mapping as E.Z. exploration legend, 1980
 I. Mc Donald. Ref. No. AI-504.



ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

**LAKE JUKES MINE
 FACT GEOLOGY**

Compiled: D.G. Date: 11-4-'87 Scale: 1:250

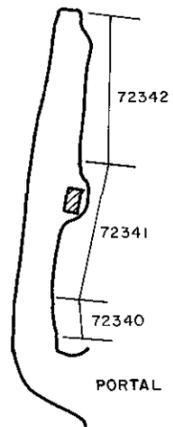
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Drawn: N.W.D.S. File No: Fig. A3-518-0040

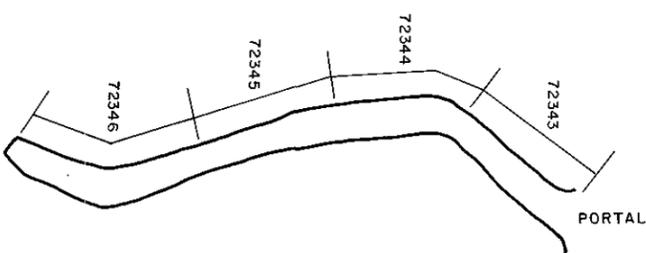
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Trimline A3 for report pockets

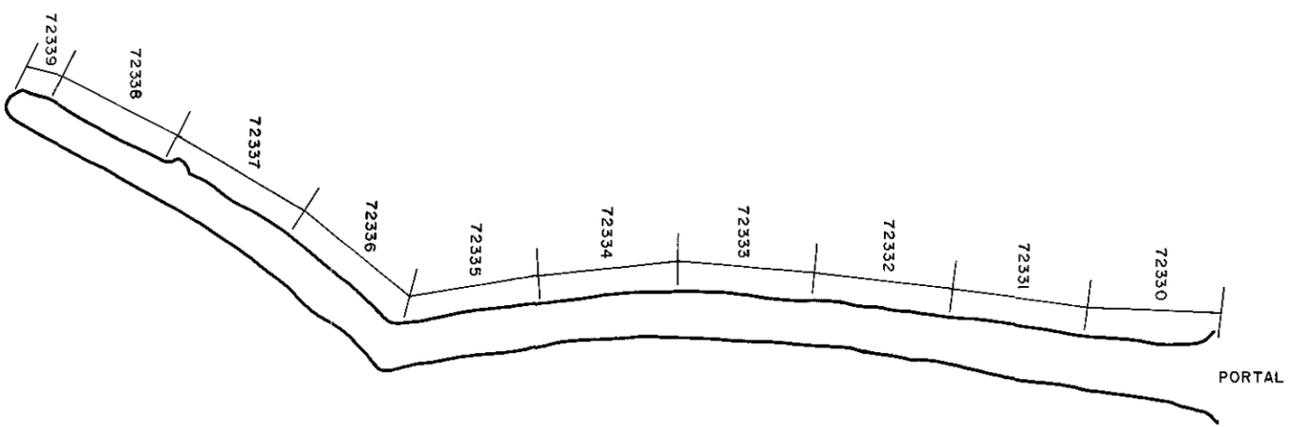
A3-518-0041



TOP ADIT



MIDDLE ADIT

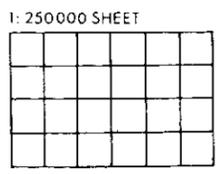


SOUTHERN ADIT

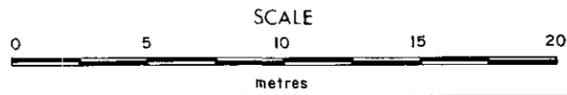
5 cm



N.B.-All samples collected by continuous chipping along the right hand wall of all adits.



1:250000 SHEET



SCALE

EZ
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 MINERAL RESOURCES DIVISION

PROJECT: JUKES-DARWIN E.L. 6/85

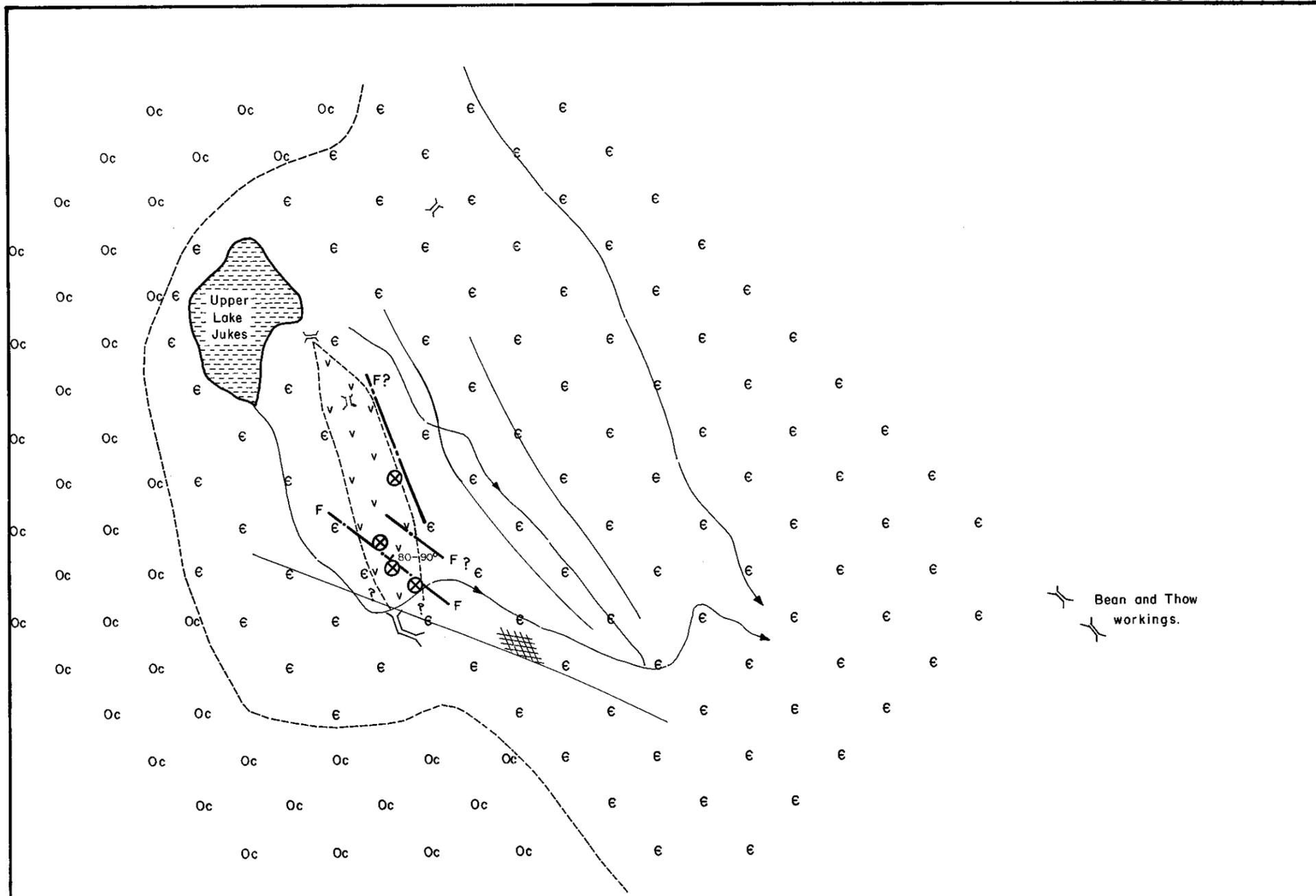
**LAKE JUKES MINE
 ADIT SAMPLE LOCATIONS**

Compiled: D.G.	Date: 12-4-87	Scale: 1:250
Latitude:	Longitude:	PLAN NO.
Drawn: N.W.D.S.	File No: Fig.	A3-518-0041

Trimline A3 for binding within text

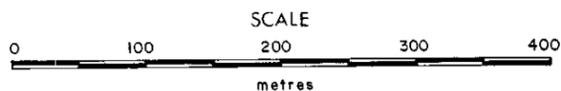
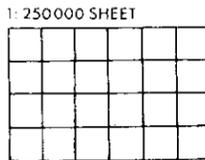
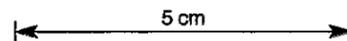
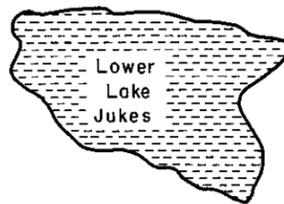
Trimline A3 for report pockets

A3-518-0039



LEGEND

- v v v v **Central Sequence:** Massive feldspar phyrlic rhyolite lavas, with rare volcaniclast lenses, containing qtz.-magnetite, qtz.-chlorite, magnetite-chlorite veining.
- € € € **Eastern Sequence:** Quartz feldspar phyrlic volcanics, mainly volcaniclastics, including tuffs and agglomerate lenses.
- Oc Oc **Owen Conglomerate:**
- Very siliceous 'cherty' rocks.
- Trenches.
- Adits.
- Faults. ? inferred.
- Geological Contact.
- Linear: Inferred from ground mapping and aerial photograph studies. (nature of linear unknown).
- Creeks, rivers.



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PROJECT: JUKES-DARWIN E.L. 6/85

**UPPER LAKE JUKES
 GEOLOGICAL INTERPRETATION**

Compiled: D.G. Date: 10-4-87 Scale: 1:5000

Latitude: Longitude: PLAN NO.

Drawn: N.W.D.S. File No: Fig. A3-518-0039

Trimline A3 for binding within text

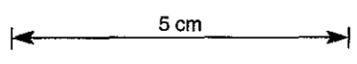
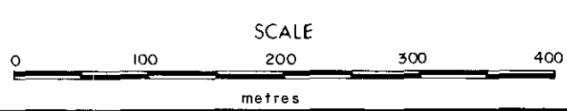
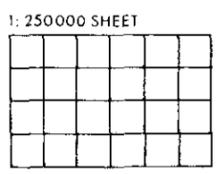
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A3-518-0038



LEGEND

- Old workings - Trenches.
- Old workings - Adits.
- N.A. = Northern Adit (Collins).
- T.A. = Top Adit.
- M.A. = Middle Adit.
- S.A. = Southern Adit.



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 MINERAL RESOURCES DIVISION

PROJECT: JUKES - DARWIN E.L. 6/85

**UPPER LAKE JUKES
 LOCATIONS of SAMPLES
 and CUT LINES.**

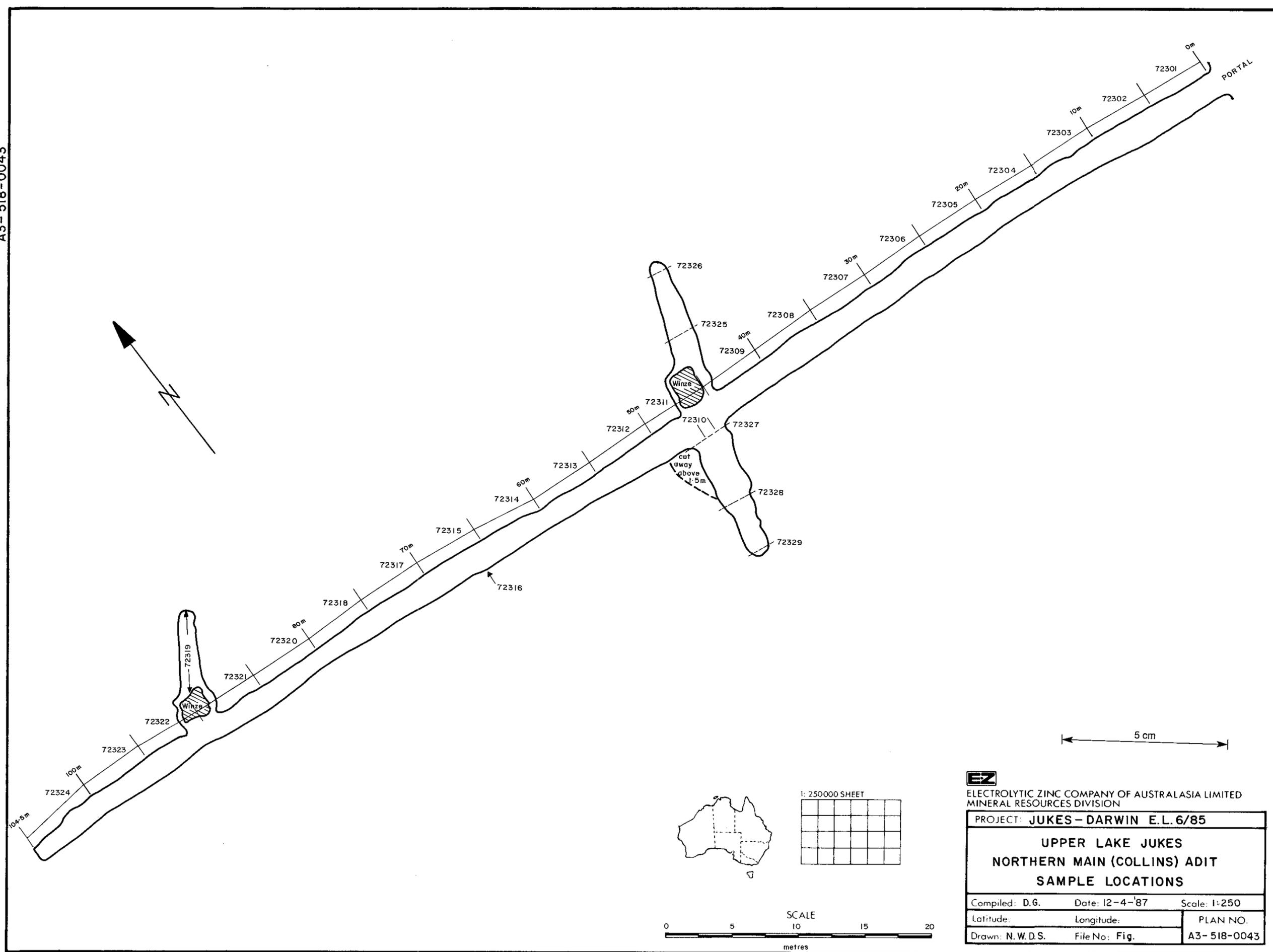
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Latitude:	Longitude:	PLAN NO.
Drawn: N.W.D.S.	File No: FIG.	A3-518-0038

TCR 94-3623
EL 6/85
E Z CO
JUKES - DARWIN

A3-518-0043

Trimline A3 for binding within text

Trimline A3 for report pockets



ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

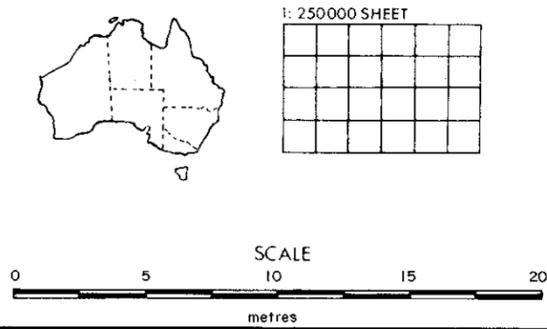
PROJECT: JUKES - DARWIN E.L. 6/85

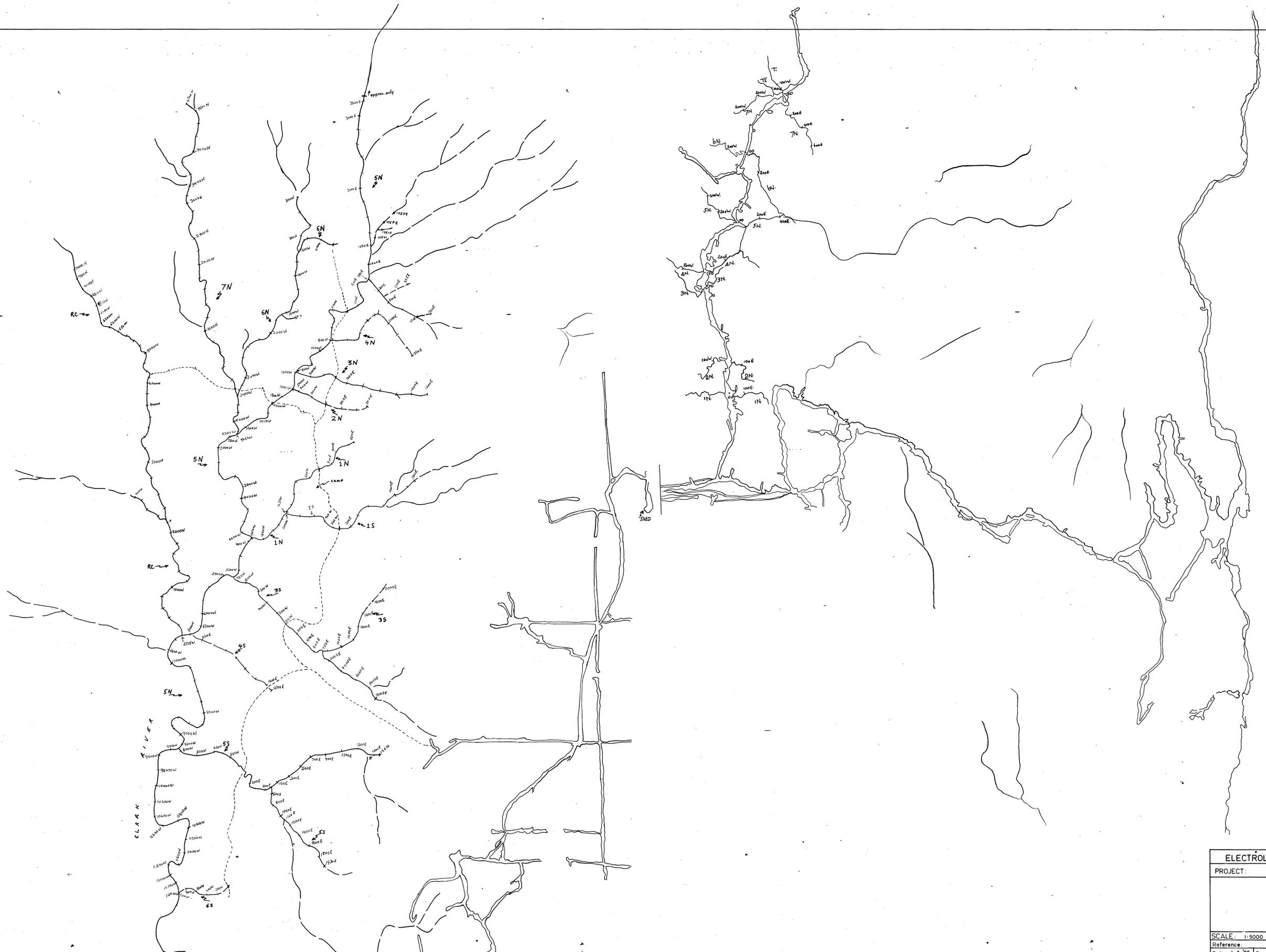
UPPER LAKE JUKES
NORTHERN MAIN (COLLINS) ADIT
SAMPLE LOCATIONS

Compiled: D.G. Date: 12-4-87 Scale: 1:250

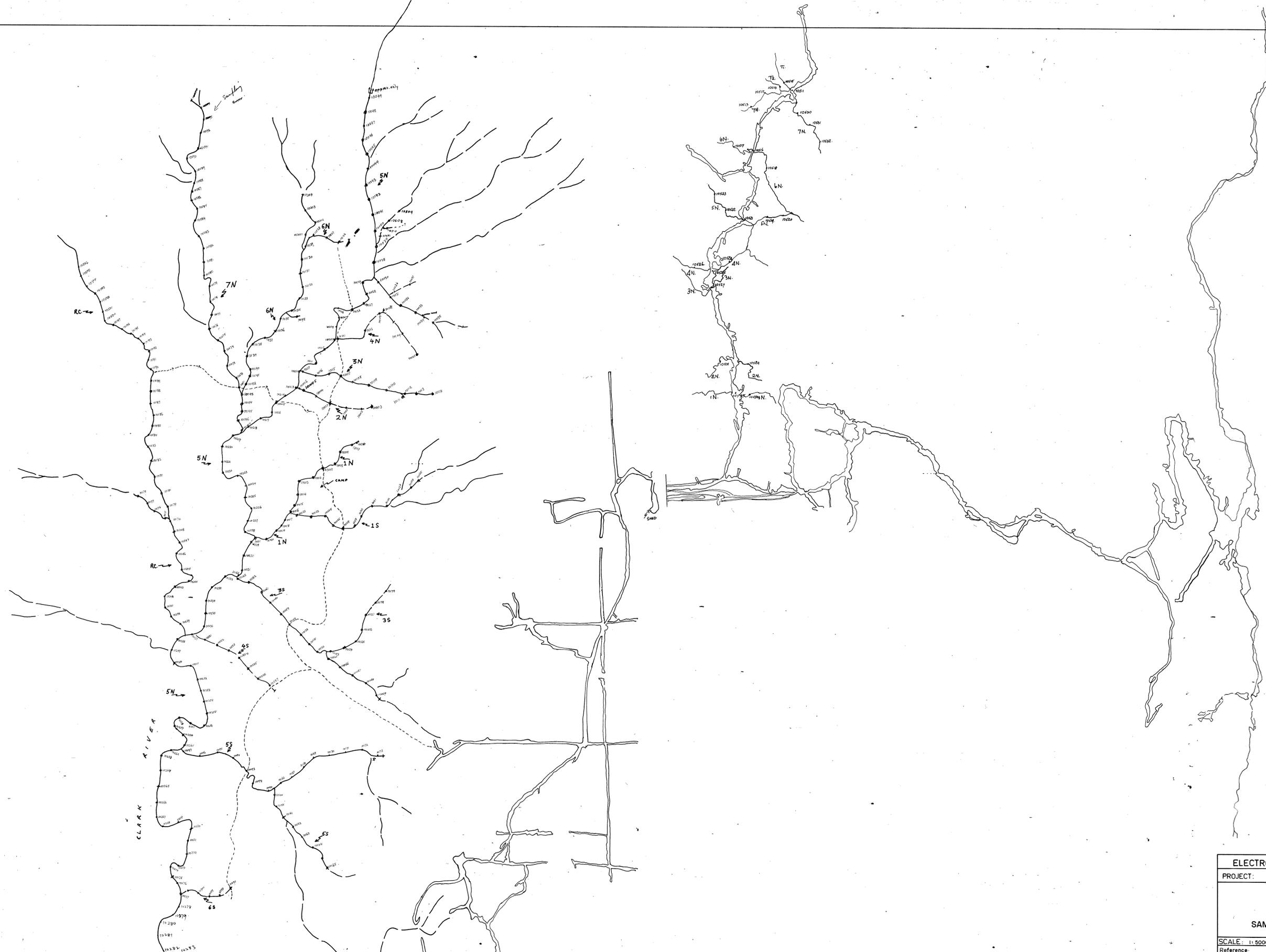
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Drawn: N.W.D.S. File No: Fig. A3-518-0043





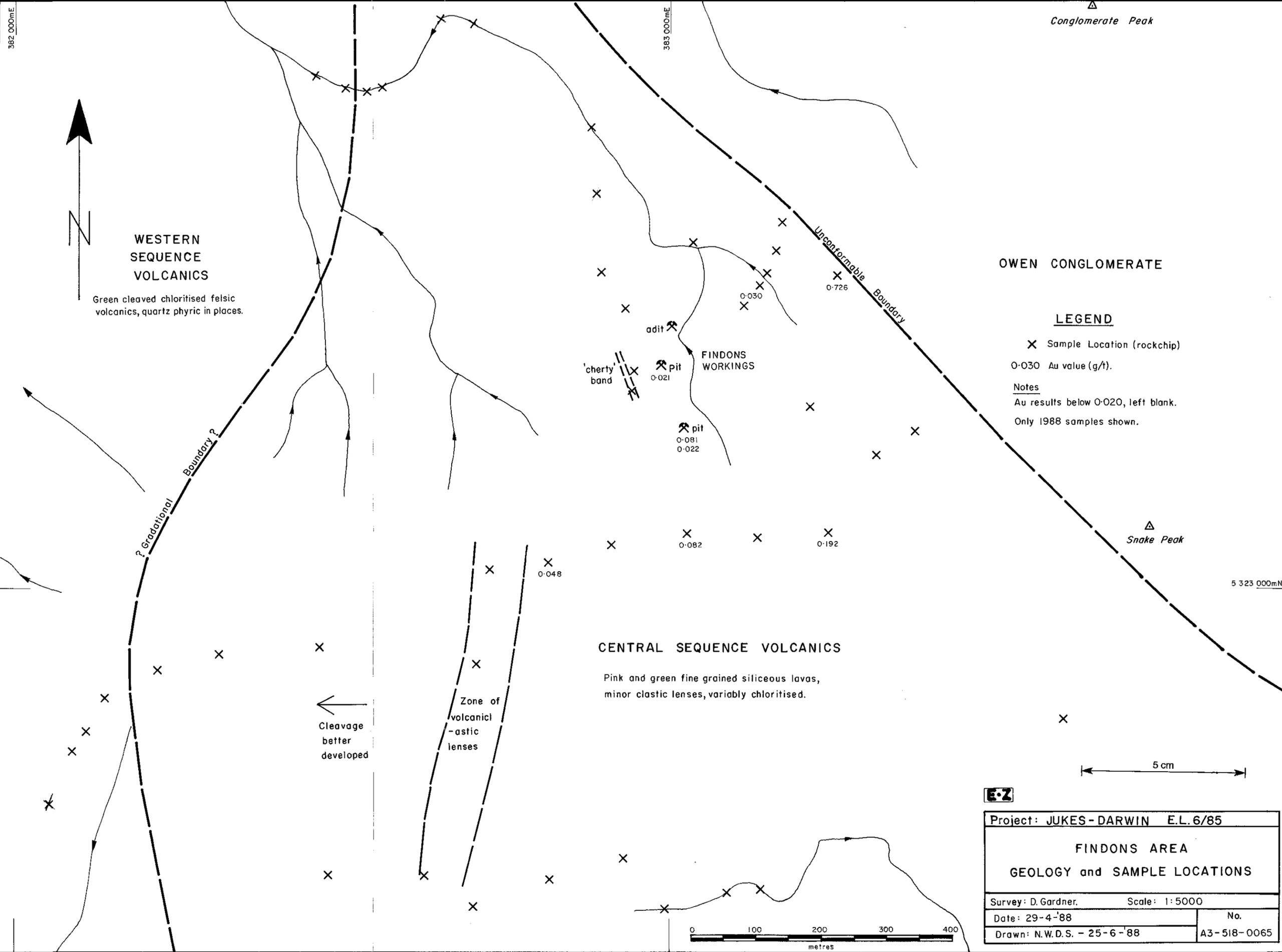
ELECTROLYTIC ZINC CO. OF ASIA, LTD.	
PROJECT:	TAS.
SOUTH DARWIN GRID LINES	
SCALE: 1:5000	REF. NO.
Reference:	TA-518-0005
Date: 1-4-85	Drawn:



ELECTROLYTIC ZINC CO. OF AASIA. LTD.	
PROJECT:	TAS.
SOUTH DARWIN	
SAMPLE LOCATIONS & NUMBERS	
SCALE: 1:5000	REF. NO.
Date: 1-4-85	Drawn:
TA-518-0006	

TCR 94-3623
EL 6/85
E Z CO
JUKES - DARWIN

A3-518-0065

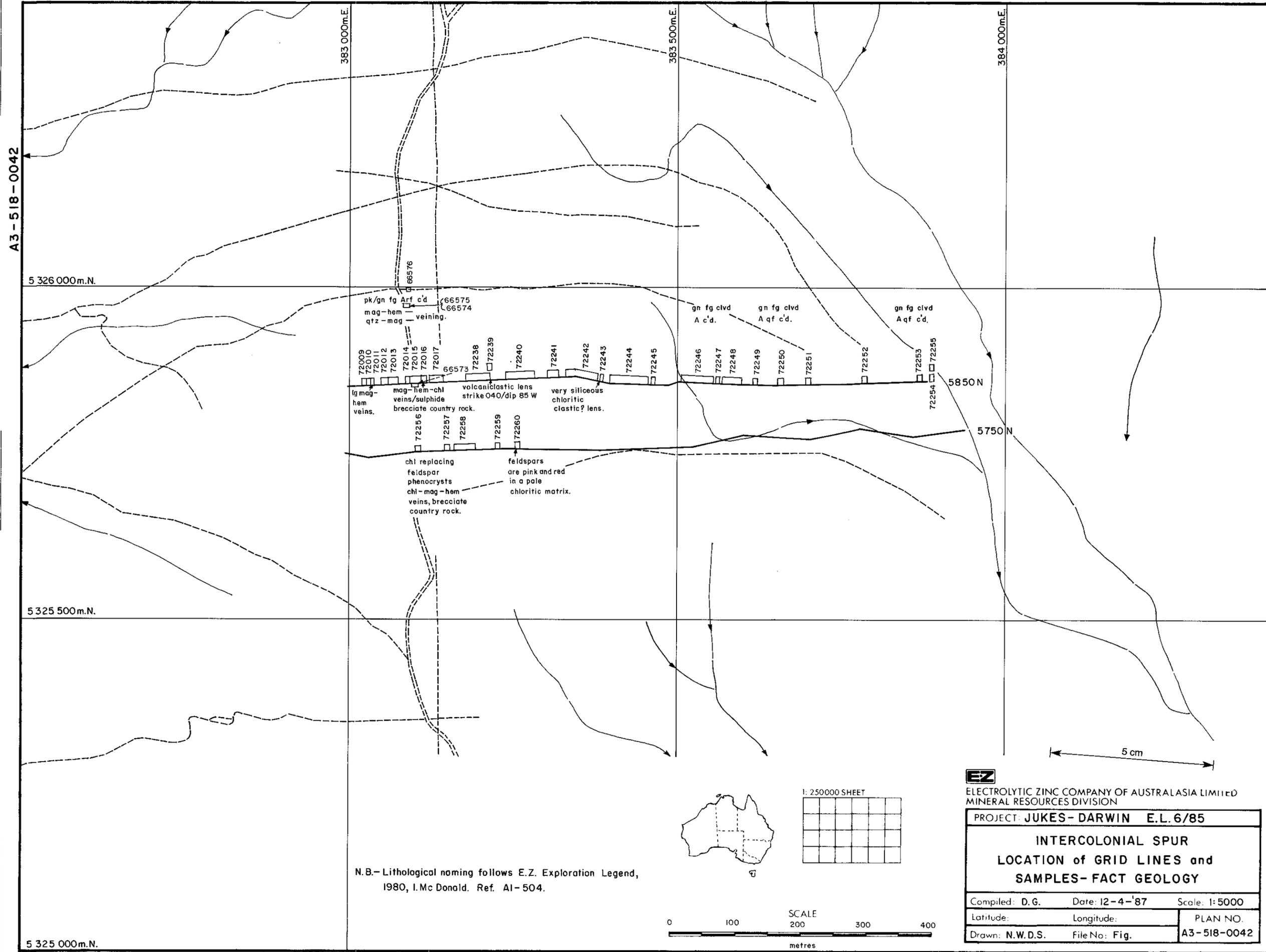


Project: JUKES - DARWIN E.L. 6/85	
FINDONS AREA	
GEOLOGY and SAMPLE LOCATIONS	
Survey: D. Gardner.	Scale: 1:5000
Date: 29-4-'88	No.
Drawn: N.W.D.S. - 25-6-'88	A3-518-0065

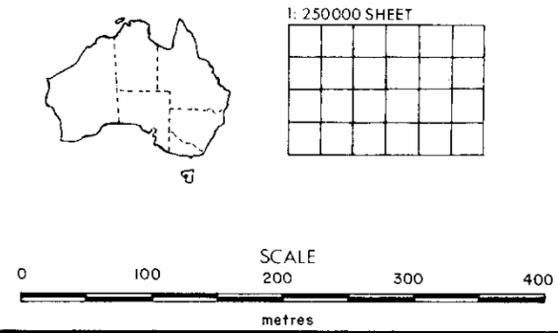
TCR 94-3623
EL 6/85
E Z CO
JUKES - DARWIN

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Trimline A3 for report pockets



N.B.- Lithological naming follows E.Z. Exploration Legend, 1980, I. Mc Donald. Ref. AI-504.



5 cm

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MINERAL RESOURCES DIVISION

PROJECT: JUKES - DARWIN E.L. 6/85

INTERCOLONIAL SPUR
LOCATION of GRID LINES and
SAMPLES - FACT GEOLOGY

Compiled: D.G.	Date: 12-4-'87	Scale: 1:5000
Latitude:	Longitude:	PLAN NO.
Drawn: N.W.D.S.	File No: Fig.	A3-518-0042