MICROFILMED
FICHE No. 213288

94-3611

List of transparencies of plans from portions of EL31/83 relinquished by Geopeko Ltd covering an area south of Queenstown including the Bird, Clark and Nora Rivers.

Hazel Creek	Sample Locations		1:10 000
" "	Geochem, Zn		1:10 000
" "	Geochem, Pb		1:10 000
" "	Geochem, Ba		1:10 000
" "	Fact Geology		1:10 000
" "	Interp Geology		1:10 000
Nora River	Sample Locations	TCR 84 - 2180	1:10 000
" "	Geochem, Zn		1:10 000
" "	Geochem, Pb		1:10 000
" "	Geochem, Ba		1:10 000
" "	Fact Geology		1:10 000
" "	Interp Geology		1:10 000
Swift Creek	Sample Locations		1:10 000
" "	Geochem, Zn		1:10 000
" "	Geochem, Pb		1:10 000
" "	Geochem, Ba		1:10 000
" "	Fact Geology		1:10 000
" "	Interp Geology		1:10 000
Clark River	Sample Locations	TCR 85-2460	1:10 000
" "	Geochem, Zn		1:10 000
" "	Geochem, Pb		1:10 000
" "	Geochem, Ba		1:10 000
" "	Geochem, Au		1:10 000
" "	Fact Geology		1:10 000
" "	Interp Geology		1:10 000
Bird River	Sample Locations	TCR 84 - 2181	1:10 000
" "	Geochem, Zn		1:10 000
" "	Geochem, Pb		1:10 000
" "	Geochem, Ba		1:10 000
" "	Fact Geology		1:10 000
" "	Interp Geology		1:10 000
Rinadeena	Location Plan		1:10 000
" "	Cross Sections		1:5 000
" "	Cut Lines		1:10 000
" "	Rock Chip Sample Locations		1:10 000

Rinadeena	Stream Sediment Sample Locations - TCN85-2460	1:10 000
" "	Interp Geology	1:10 000
" "	Geochem, Au	1:5 000
" "	Backed Geology	1:5 000
" "	Soil Sample Locations	1:5 000
" "	Ground Magnetics	1:5 000
Masters	Rinadeena	1:5 000
" "	Swift Creek	1:10 000
" "	Nora River	1:10 000
" "	Clark River	1:10 000
" "	Bird River	1:10 000
" "	Hazel Creek	1:10 000

E.L. 4/84

E.L. 10/84

E.L. 9/66

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

PICNIC POINT

ST. LEGER POINT

RIVER

CLARK

HAZEL

CREEK

BIRD

KELLY

BASIN

ROAD

RIVER

RAILWAY ABANDONED

S 59232
R59286
R 59287
R59288
S59228
R59285
S 59231
S 59229
P59230
S59227
S 59226
P59233
S59907
S59908
S59909
P59910
S59911
S59905
S59906
S59903
S59904
R60000
S59901
P59902
R59797
S59702
S59704
P59705
S59703
S59706
P59707
R59800
R59798
R59799

5314 000mN
5313 000mN
5312 000mN
5311 000mN
5310 000mN
5309 000mN
5308 000mN
5307 000mN
5306 000mN

370 000mE
377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 000mE
384 000mE

○ STREAM SEDIMENT SAMPLE
SAMPLE No S 12345

○ PANNED CONCENTRATE - STREAM SEDIMENT SAMPLE
SAMPLE No P 67890

□ ROCK CHIP SAMPLE
SAMPLE No R 34567

5 cm

Fig. HC 4

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

SAMPLE LOCATION

NUMBERS and TYPES

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 8-3-'84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	AO-530-0001

TCR 94-3611
EL 31/83
E.Z. 31/83EKO
BIRD, CLARK AND NORA RIVERS
3

E.L. 10/84

E.L. 9/66

E.L. 4/84

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

PICNIC POINT

ST. LEGER POINT

CLARK RIVER

HAZEL CREEK

KELLY BASIN RIVER

BIRD RIVER

BIRD ROAD

(RAILWAY ABANDONED)

R 135 S 85 R 50 R 25 S 110 S 100 S 90 S 75

S 90 S 55 S 75 S 50 S 50 S 75 S 25 S 80

R 15 S 430 R 115 R 40 S 80 S 45 S 45 S 40

5 314 000 m N
5 313 000 m N
5 312 000 m N
5 311 000 m N
5 310 000 m N
5 309 000 m N
5 308 000 m N
5 307 000 m N
5 306 000 m N

376 000 m E
377 000 m E
378 000 m E
379 000 m E
380 000 m E
381 000 m E
382 000 m E
383 000 m E
384 000 m E

○ STREAM SEDIMENT SAMPLE. S 430

□ ROCK CHIP SAMPLE. R 40

X = below 5 ppm.

Note: All results are ppm.

5 cm

Fig. HC 1

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

GEOCHEMISTRY

Zn

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 24-3-'84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	AO-530-0002

TCR 84-3611
EL 31/83
BIRD, CLARK AND NORA RIVERS

E.L. 4/84

E.L. 10/84

E.L. 9/66

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

PICNIC POINT

ST. LEGER POINT

RIVER

CLARK

HAZEL

CREEK

KELLY

(RAILWAY ABANDONED)

BIRD

RIVER

BASIN

BIRD

RIVER

ROAD

NORA

5 314 000 m N
5 313 000 m N
5 312 000 m N
5 311 000 m N
5 310 000 m N
5 309 000 m N
5 308 000 m N
5 307 000 m N
5 306 000 m N

376 000 m E
377 000 m E
378 000 m E
379 000 m E
380 000 m E
381 000 m E
382 000 m E
383 000 m E
384 000 m E

S 35
R 5
R X
S 20
S 10
S 45
S 5
S 15
S 60
R 10
S 25
R 275
S X
R 15

○ STREAM SEDIMENT SAMPLE.
S 25

□ ROCK CHIP SAMPLE.
R 10

X = below 5 ppm.

Note: All results are ppm.

5 cm

Fig. HC 2

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

GEOCHEMISTRY

Pb

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 24-3-'84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	AO-530-0003

TCR 94-3611
HC 3
GEOCHEMISTRY
E.L. 31/83
HAZEL CREEK
BIRD, CLARK AND NORA RIVERS

E.L. 10/84

E.L. 9/66

E.L. 4/84

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

ST. LEGER POINT

PICNIC POINT

RIVER

CLARK

HAZEL

CREEK

(RAILWAY ABANDONED) KELLY

BIRD

BASIN

RIVER

BIRD

ROAD

HORA

RIVER

S 190

R 471

R 279

R 660

S 40

S 75

S 80

S 80

S 70

S 105

S 60

S 70

S 85

S 110

S 90

S 80

S 90

R 491

S 85

S 190

S 80

S 85

S 18

R 24

R 17

R 483

5 314 000 mN

5 313 000 mN

5 312 000 mN

5 311 000 mN

5 310 000 mN

5 309 000 mN

5 308 000 mN

5 307 000 mN

5 306 000 mN

376 000 mE

377 000 mE

378 000 mE

379 000 mE

380 000 mE

381 000 mE

382 000 mE

383 000 mE

384 000 mE

○ STREAM SEDIMENT SAMPLE.
S 190

□ ROCK CHIP SAMPLE.
R 15

X = below 10 ppm.

Note: All results are ppm.

5 cm

Fig. HC 3

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

GEOCHEMISTRY

Ba

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 24-3-'84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	A0-530-0004

TCR 94-3611
E.Z. CO. GEOPEKO
BIRD, CLARK AND HORA RIVERS

EL 4/84

EL 10/84

E.L. 9/66

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

PICNIC POINT

ST. LEGER POINT

CLARK RIVER

HAZEL CREEK

BIRD RIVER

KOSHA ROAD

KELLY BASIN RAILWAY (ABANDONED)

dk gy VS tr po
shr'd Ar (biotite porphyry)
Ar (kaolinized)

Ar (biotite porphyry)

dk gy-bk Ag dol LST tr py

dk gy-bk lam LST

dk gy lam SH

160°/65°

qy bld DLST tr gn intense qz-cb vng

5314 000mN
5313 000mN
5312 000mN
5311 000mN
5310 000mN
5309 000mN
5308 000mN
5307 000mN
5306 000mN

376 000mE
377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 200mE
384 400mE

LEGEND

COLOUR

pk - pink
br - brown
bl - blue
gy - grey
rd - red
cr - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE

fg - fine grained
mg - medium grained
cg - coarse grained
bxd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
th bd - thin bedded
th bd - thick bedded
vn - veins, veining
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
in bd - inter bedded
tbcl - tubicolor
fract - fractured

ROCK TYPE

SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION

qz - quartz
gn - galena
lim - limonite
cbd - carbonated
c - calcite
py - pyrite
sp - sphalerite
cp - chalcopyrite
sil'd - silicified

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g.

dk gy mg foss SST. or gy calc SH py. or pl gy LST sil'd.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint - vertical
overturned
bedding
bedding - vertical
quarries

5 cm

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

GEOLOGY

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 28-6-84	Ref. No.
Drawn: R.J.R.	Checked:	A0-530-0005

TR2 94 1631
EL 31/83
E.Z. CO. (DORRERO
BIRD, CLARK AND KOSHA RIVERS

EL 10/84

E.L. 9/66

EL 4/84

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

PICNIC POINT

ST. LEGER POINT

RIVER

CLARK

HAZEL CREEK

BIRD

KELLY

NORA

ROAD

RAILWAY ABANDONED

dk gy VS tr po

shrd Ar (biotite porphyry)

f Ar (kaolinized)

Ar (biotite porphyry)

dk gy-bk Ag dol LST tr py

dk gy-bk lam LST

dk gy lam Sh

gy brd DLST tr gn intense qz-cb vng

450°

650°

BASIN

Ts

Og

Oo

€

S

5 314 000 mN

5 313 000 mN

5 312 000 mN

5 311 000 mN

5 310 000 mN

5 309 000 mN

5 308 000 mN

5 307 000 mN

5 306 000 mN

375 000 mE

377 000 mE

378 000 mE

379 000 mE

380 000 mE

381 000 mE

382 000 mE

383 000 mE

384 000 mE

LEGEND

COLOUR

pk - pink
br - brown
bl - blue
gy - grey
rd - red
cr - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE

fg - fine grained
mg - medium grained
cg - coarse grained
brd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
thn bd - thin bedded
thk bd - thick bedded
vn - veins, veining
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
int bd - inter bedded
tbcl - tubicolar
frct - fractured

ROCK TYPE

SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION

qz - quartz
gn - galena
lim - limonite
cbd - carbonated
c - calcite
py - pyrite
sp - sphalerite
cp - chalcopyrite
sid - silicified

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils

e.g.

dk gy mg foss SST or gy calc SH py or pl gy LST sid

TOPOGRAPHICAL

- cut grid lines
- roads
- tracks
- tramways
- power lines
- rivers, creeks
- swampy area
- joint
- joint - vertical
- overturned
- bedding
- bedding - vertical
- quarries

INTERPRETED GEOLOGY

Geology adapted from Queenstown 1:250,000 geological map (Corbett & Brown 1975)

TERTIARY	Ts	Tertiary sediments.
SILURIAN	S	Undifferentiated siltstone, shale and minor sandstone.
ORDOVICIAN	Og	Gordon limestone, limestone with some siltstone.
	Oo	Siliceous conglomerate and quartz sandstone.
CAMBRIAN	€	Basic to intermediate volcanics and associated volcaniclastic rocks.

Geological boundary.

Fault.

5 cm

Fig. HC 5

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

GEOLOGY

(INTERP.)

Scale: 1:10000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date: 28-6-84	Ref. No.
Drawn: R.J.R.	Checked:	A0-530-0006

TCR 84-0511
E.Z. CO. OF A'SIA
HAZEL CREEK EL 31/83
BIRD, CLARK AND NORA RIVERS

EL 48/83
or
EL 52/83

EL 9/66

EL 31/83

EL 30/83

FRANKLIN - LOWER GORDON

WILD RIVERS

NATIONAL

PARK

KELLY BASIN

CRATER

FRANKLIN

HELLY RIVER

BIRD

NORA

CLARK

HAZEL

KELLY (RAILWAY ABANDONED)

SPENCE RIVER

ROAD

TRACK

CREEK

RIVER

- STREAM SEDIMENT SAMPLE
  SAMPLE No. S 89012
- PANNED CONCENTRATE - STREAM SEDIMENT SAMPLE
  SAMPLE No. P 45678
- ROCK CHIP SAMPLE
  SAMPLE No. R 23456

TCR 84-2180
G15187
Fig. NR 4

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

5 cm

SAMPLE LOCATION

NUMBERS and TYPES

Scale: 1:10 000	Survey: I. MAT.	Revised:	
Reference: H.E.C.	Date: 23-2-'84	Ref. No.	
Drawn: R.J.R.	Checked: L.W.	AO-530-1000	

TCR 84-2180
G15187
E.Z. CO. GEORGE
EL. CLARK AND NORA RIVERS

EL 48/83
or
EL 52/83

EL 9/66

EL 30/83

EL 31/83

FRANKLIN- LOWER GORDON
WILD RIVERS
NATIONAL
PARK

CRATER
CRATER TRACK
FRANKLIN
RIVER
CLARK RIVER
CLARK RIVER
CLARK RIVER
HAZEL CREEK
KELLY BASIN ROAD
KELLY RIVER
NORA BIRD
BIRD
ROAD
KELLY (RAILWAY ABANDONED)
BIRD
BASIN RIVER
KELLY BASIN
SPENCE RIVER
ROAD

385 500mE
386 000mE
386 500mE
387 000mE
387 500mE
388 000mE
388 500mE
389 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE
389 000mE

5 315 000mN
5 314 000mN
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN

○ STREAM SEDIMENT SAMPLE.
S 55

□ ROCK CHIP SAMPLE.
R 100

X = below 5 ppm

Note: All results are ppm

5 cm

Fig. NR 1

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

GEOCHEMISTRY

Zn

Scale: 1:10 000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 22-3-'84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	AO-530-1001

TCR. 84 3611
EL. 31/83
S.Z. CO. GEOPEKO
BIRD, CLARK AND NORA RIVERS

EL 48/83
or
EL 52/83

EL 9/66

EL 30/83

EL 31/83

FRANKLIN – LOWER GORDON

WILD RIVERS

NATIONAL

PARK

CRATER

CRATER TRACK

FRANKLIN

KELLY BASIN ROAD

KELLY RIVER

NORA BIRD ROAD

BIRD RIVER

CLARK RIVER

HAZEL CREEK

KELLY (RAILWAY ABANDONED)

BASIN RIVER

SPENCE RIVER

ROAD

381 000mE 382 000mE 383 000mE 384 000mE 385 000mE 386 000mE 387 000mE 388 000mE 389 000mE

5315 000mN 5314 000mN 5313 000mN 5312 000mN 5311 000mN 5310 000mN 5309 000mN 5308 000mN

○ STREAM SEDIMENT SAMPLE.
S 55

□ ROCK CHIP SAMPLE.
R 10

X = below 5 ppm

Note : All results are ppm

5 cm

Fig. NR 2

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

GEOCHEMISTRY

Pb

Scale: 1:10 000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 22-3-'84	Ref. No. A0-530-1002
Drawn: R.J.R.	Checked: L.W.	

TCR 84-3611
EL 31/83
R.Z. 31/83SEC
BIRD, CLARK AND NORA RIVERS

EL 48/83
or
EL 52/83

EL 9/66

EL 31/83

EL 30/83

FRANKLIN - LOWER GORDON

WILD RIVERS

NATIONAL

PARK

CRATER

FRANKLIN

RIVER

TRACK

CRATER

ROAD

KELLY

BASIN

RIVER

HAZEL

CREEK

CLARK

RIVER

BIRD

NORA

ROAD

KELLY

(RAILWAY ABANDONED)

BIRD

BASIN

RIVER

SPENCE

RIVER

ROAD

381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE
389 000mE

5315 000mN
5314 000mN
5313 000mN
5312 000mN
5311 000mN
5310 000mN
5309 000mN
5308 000mN

○ STREAM SEDIMENT SAMPLE.
S 55

□ ROCK CHIP SAMPLE.
R 585

X = below 10ppm

Note: All results are ppm

5 cm

Fig. NR 3

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

GEOCHEMISTRY

Ba

Scale: 1:10 000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 22-3-84	Ref. No. A0-530-1003
Drawn: R.J.R.	Checked: L.W.	

TCR 94/3611
EL 31/83
R.J. ROBINSON
BIRD, CLARK AND NORA RIVERS

EL 9/66

EL 48/83
or
EL 52/83

EL 30/83

EL 31/83

FRANKLIN - LOWER GORDON

WILD RIVERS

NATIONAL

PARK

KELLY

BASIN

CRATER

ox ton SLST
LIM
lt gy SLST
dk gy SLST
lt gy SH
gy SH
LIM
60°
192°
dk gy fg org LST
dk gy org LST
gy LST
lt gy LST
sandy LST
gy fg lam SST mic
ox or SLST
qy fg org LST
dk gy org LST
gy fg SST
dk gy org LST
dk gy org LST
gy fg SST
lt gy silty SST
lt gy fg QZT
fg silty SST
ton f - mg silty SST
sil BX py
LST BX
gy SLST
pyrite
dk gy CLAY py
calc BX
dk gy SLST
gy calc SLST
lt gy SLST
ton SLST
pug
dk gy fg LST calc vng
dk gy fg LST
dk gy vfg foss LST
silty LST
360°
190°
calc SLST
calc SLST
dol SLST
sandy LST
wh QZT
vfg LST
dol LST
dk gy foss silty LST
silty LST
dol LST
dol SLST
dol BX LST
dol foss LST
DLST
vfg LST
fg org LST
BX LST

LEGEND

COLOUR

pk - pink
br - brown
bl - blue
gy - grey
rd - red
cr - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE

fg - fine grained
mg - medium grained
cg - coarse grained
bxd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
th bd - thin bedded
tk bd - thick bedded
vn - veins, veining
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
in bd - inter bedded
tbcl - tubicolor
frct - fractured

ROCK TYPE

SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION

qz - quartz
py - pyrite
ga - galena
sp - sphalerite
lim - limonite
cp - chalcopyrite
cb'd - carbonated
si'd - silicified
c - calcite

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g.

dk gy mg foss SST. or gy calc SH py. or pl gy LST si'd.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint - vertical
overturned
bedding
bedding - vertical
quarries

5 cm

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

GEOLOGY

Scale: 1:10 000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 28-6-'84	Ref. No. A0-530-1004
Drawn: R.J.R.	Checked:	

TCR 94-1611
E.Z. CO. LEDGERO
BIRD, CLARK AND NORA RIVERS

EL 9/66

EL 48/83
or
EL 52/83

EL 31/83

EL 30/83

FRANKLIN-LOWER GORDON

WILD RIVERS

NATIONAL

PARK

CRATER

FRANKLIN

KELLY BASIN

KELLY RIVER

CLARK RIVER

BIRD RIVER

NORA CREEK

HAZEL CREEK

KELLY (RAILWAY ABANDONED)

BASIN RIVER

SPENCE RIVER

ROAD

TRACK

Ca Cambrian acid volcanics and volcaniclastics sediments

Cb Cambrian basic to intermediate volcanics and volcaniclastics sediments

Oo Ordovician siliceous conglomerate and quartz sandstone

Og Ordovician Gordon limestone, limestone with some siltstone

S Undifferentiated Silurian siltstone, shale and minor sandstone

Ts Tertiary sediments

ox fgn SLST
lt gy SH
LIM
lt gy SLST
dk gy SLST
gy SH
LIM
iron
dk gy fg org LST
dk gy org LST
lt gy LST
lt gy LST sandy LST
gy fg lam SST mic
ox or SLST
lt gy fg org LST
dk gy org LST
gy fg SST
dk gy fg org LST
dk gy org LST
lt gy fg SST
lt gy silty SST
lt gy fg SST
sil BX py
fg silty SST
x ton fg silty SST
LST BX
fg SLST
grey
lt dk gy CLAY py
calc BX
dk gy SLST
gy calc SLST
lt gy SLST
ton SLST
dk gy fg LST coal vng
pug
dk gy fg LST
x dk gy vfg foss LST
silty LST
SHALE
coal
calc SLST
dol SLST
sandy LST
x wh QZT
vfg LST
dk gy foss silty LST
silty LST
dol LST
dol SLST
dol BX LST
dol foss LST
DLST
vfg LST
fg grg LST
BX LST
x LST

LEGEND

COLOUR

pk - pink
br - brown
bl - blue
gy - grey
rd - red
cr - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE

fg - fine grained
mg - medium grained
cg - coarse grained
bxd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
tn bd - thin bedded
tk bd - thick bedded
vn - veins, veining
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
in bd - infer bedded
tbcl - tubicolor
frct - fractured

ROCK TYPE

SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION

qz - quartz
ga - galena
lim - limonite
cbd - carbonated
c - calcite
py - pyrite
sp - sphalerite
cp - chalcopyrite
sld - silicified

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g

dk gy mg foss SST. or gy calc SH py or pl gy LST sld.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint - vertical
overturned
bedding
bedding - vertical
quarries

INTERPRETED GEOLOGY

Geology adapted from Queenstown 1:250,000 geological map (Corbett & Brown 1975)

TERTIARY — Ts — Tertiary sediments.

SILURIAN — S — Undifferentiated siltstone, shale and minor sandstone.

ORDOVICIAN — Og — Gordon limestone, limestone with some siltstone.

ORDOVICIAN — Oo — Siliceous conglomerate and quartz sandstone.

CAMBRIAN — €b — Basic to intermediate volcanics and volcaniclastics sediments.

CAMBRIAN — €a — Acid volcanics and volcaniclastics sediments.

5cm

Fig. NR 5

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

GEOLOGY

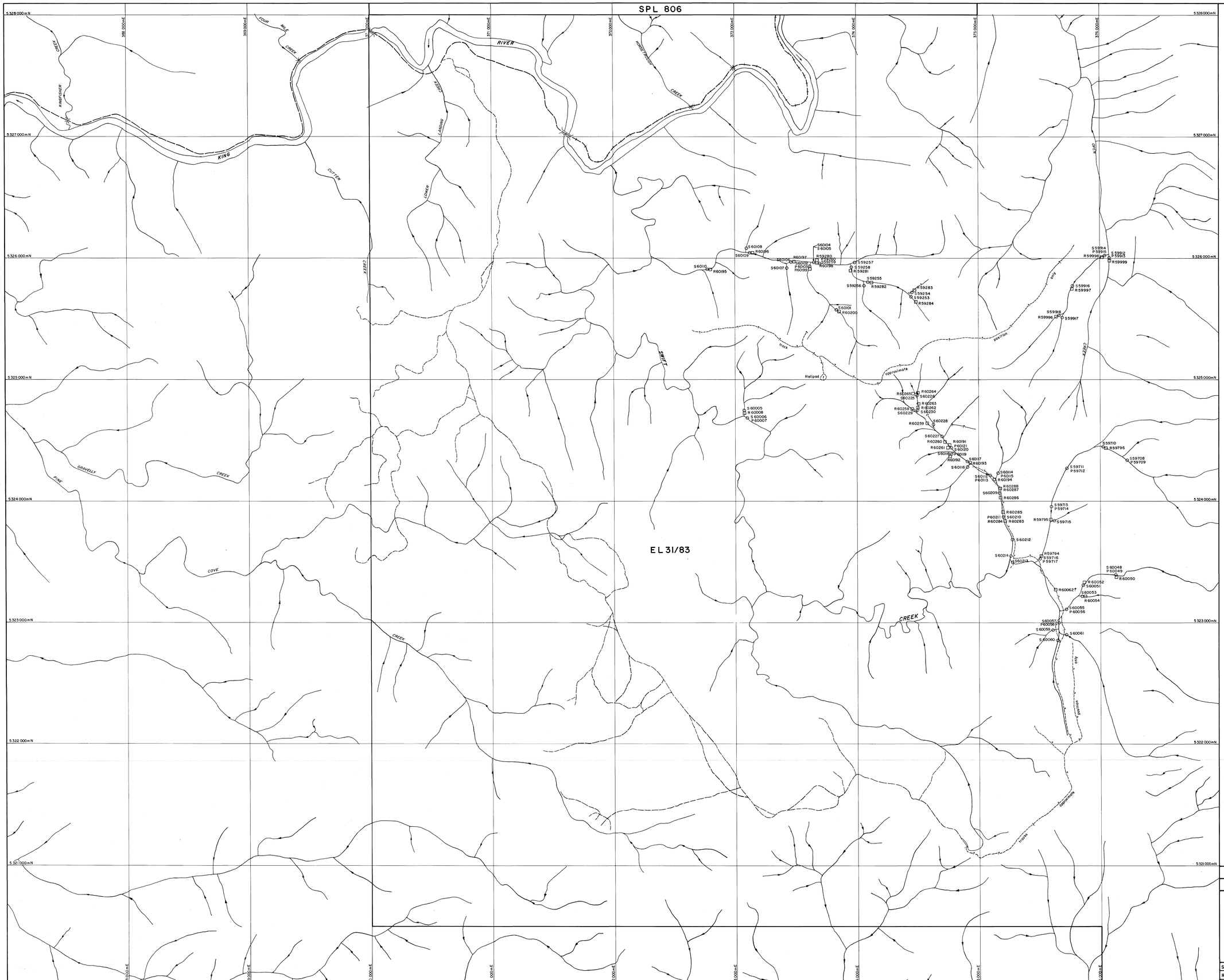
(INTERP.)

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 28-6-84	Ref. No. A0-530-1005
Drawn: R. J. R.	Checked:	

TCR 94-3611
E.Z. CO. GEOPERKO
BIRD, CLARK AND NORA RIVERS

SPL 806

EL 31/83



- ○ STREAM SEDIMENT SAMPLE SAMPLE No. S 45678
- ○ PANNED CONCENTRATE- STREAM SEDIMENT SAMPLE SAMPLE No. P 78901
- □ ROCK CHIP SAMPLE SAMPLE No. R 23456

5 cm

Fig. SC 4

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: SWIFT CREEK EL 31/83 ,TAS.

SAMPLE LOCATION

NUMBERS and TYPES

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 23-2-84	Ref. No. A0-530-2000
Drawn: R.J.R.	Checked: L.W.	

TCR 84/3611
EL 31/83
BIRD, CRANK AND ROSS RIVERS

EL 9/84

EL 4/84

EL 31/83

KING RIVER

KINGFISHER CREEK

FOUR MILE CREEK

GRIFFEN CREEK

LOWER LAGOONS CREEK

HORSE TRACK CREEK

SWIFT RIVER

PINE GRAVELLY CREEK

COVE CREEK

MAIN CREEK

Helipad

approximate track position

Approximate track position

5 328 000 mN
5 327 000 mN
5 326 000 mN
5 325 000 mN
5 324 000 mN
5 323 000 mN
5 322 000 mN
5 321 000 mN
5 320 000 mN

368 000 mE
369 000 mE
370 000 mE
371 000 mE
372 000 mE
373 000 mE
374 000 mE
375 000 mE
376 000 mE

- STREAM SEDIMENT SAMPLE. S 60
- PANNED CONCENTRATE - STREAM SEDIMENT SAMPLE. P 115
- ROCK CHIP SAMPLE. R 30
- X = below 5 ppm

Note: All results are ppm

5 cm

Fig. SC 1

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: SWIFT CREEK EL 31/83 ,TAS.

GEOCHEMISTRY

Zn

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 23-3-84	Ref. No.
Drawn: R.J.R.	Checked: L.W.	AO-530-2001

TNR. 84 3811
EL 31/83
S.Z. CO. GEOPERO
BIRD, CLARK AND MOON RIVERS

EL 9/84

EL 4/84

EL 31/83

KING RIVER

KINGFISHER CREEK

FOUR MILE CREEK

CUTTEN CREEK

LOWER BARRETT CREEK

HOGGETY ROCKS CREEK

SWIFT CREEK

GRAVELLY PINE CREEK

COVE CREEK

CREEK

Track

approximate position

Helipad

5 328 000mN
5 327 000mN
5 326 000mN
5 325 000mN
5 324 000mN
5 323 000mN
5 322 000mN
5 321 000mN
5 320 000mN

368 000mE
369 000mE
370 000mE
371 000mE
372 000mE
373 000mE
374 000mE
375 000mE
376 000mE

○ STREAM SEDIMENT SAMPLE.
S 10

○ PANNED CONCENTRATE-STREAM SEDIMENT SAMPLE
P 5

□ ROCK CHIP SAMPLE.
R 55

X = below 5 ppm

Note: All results are ppm

5 cm

Fig. SC 2

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: SWIFT CREEK EL 31/83 ,TAS.

GEOCHEMISTRY

Pb

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 23-3-'84	Ref. No. A0-530-2002
Drawn: R.J.R.	Checked: L.W.	

TCR 84-3611
EL 31/83
BIRD, CLARKE AND DORSETT
SWIFT AND DORSETT RIVERS

17

EL 9/84

EL 4/84

EL 31/83

KING RIVER

SWIFT RIVER

Helipad

Opportunity

Opportunity

Opportunity

E.L. 9/84

E.L. 4/84

E.L. 31/83

KINGFISHER CREEK

FOUR MILE CREEK

KING RIVER

DUTTON CREEK

LOWER SANDY CREEK

HORSE PADDOCK CREEK

SWIFT CREEK

GRAVELLY PINE CREEK

COVE CREEK

Helipad

approximate position

track

only

5 328 000mN
5 327 000mN
5 326 000mN
5 325 000mN
5 324 000mN
5 323 000mN
5 322 000mN
5 321 000mN
5 320 000mN

365 000mE
367 000mE
369 000mE
371 000mE
373 000mE
375 000mE
377 000mE

lam gy SH
gy SLST mic & gy fg QZT, qz vng
dk gy SH
gy clvd SLST
lt gy SH, gy clvd SLST
thin bd'd dk gy SH & LST
dk gy clvd SLST
ox lt bn SLST
ox gn-gy SLST
gy clvd SLST
lt bn SLST mic
SLST qz vng
dk gy clvd SLST
dk gy LST
gy QZT
gy SH, Fe stn
SH & QZT
org LST calc vng
dk gy muddy LST
gn-gy fg QZT & SLST
gy SH
LIM
gy-bk muddy LST
bk fg LST py
gy si'd LST
dk gy fg muddy LST
dk gy muddy LST
gy rexyst DLST mor gy
gy LST
gy mg LST
gy m-cg mic QZT
gy mg DLST
bk Mn w AD
ox lt gy SLST
ox cm-gy SLST
lt gy SLST
ox yl SST
bk SLS (10-20% py)
lam
varve
laminations
opaque

LEGEND

COLOUR

pk – pink
br – brown
bl – blue
gy – grey
rd – red
cr – cream
lt – light
wh – white
bk – black
gr – green
yl – yellow
or – orange
pl – pale
dk – dark

TEXTURE

fg – fine grained
mg – medium grained
cg – coarse grained
bxd – brecciated
clvd – cleaved
shrd – sheared
calc – calcareous
carb – carbonaceous
lam – laminated
xbd – cross bedded
th bd – thin bedded
tk bd – thick bedded
vn – veins, veining
foss – fossiliferous
sil – siliceous
mic – micaceous
ferr – ferruginous
int – intense
wk – weak
v – very
pb – pebble
cb – cobble
tr – trace
in bd – inter bedded
tbcl – tubicolor
frct – fractured

ROCK TYPE

SST – sandstone
LST – limestone
BX – breccia
SH – shale
QZT – quartzite
GRIT – grit
PUG – pug
SLT – siltstone
DLST – dolomite
CGL – conglomerate
BSH – black shale
LIM – ironstone
CLY – clay
GRA – gravel

MINERALOGY or ALTERATION

qz – quartz
gn – galena
lim – limonite
cbd – carbonated
c – calcite
py – pyrite
sp – sphalerite
cp – chalcopyrite
sil'd – silicified

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g

dk gy mg foss SST. or gy calc SH py or pl gy LST sil'd.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint - vertical
overturned bedding
bedding - vertical
quarries

5 cm

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: SWIFT CREEK EL 31/83 ,TAS.

GEOLOGY

Scale: 1:10 000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 22-6-'84	Ref. No.
Drawn: R. J. R.	Checked:	A0-530-2004

TCS 94-3611
EL 31/83
R.BSD. CLARENCE AND NORTH ESK RIVERS

E.L. 9/84

E.L. 4/84

E.L. 31/83

LEGEND

COLOUR

pk - pink	wh - white
br - brown	bk - black
bl - blue	gr - green
gy - grey	yl - yellow
rd - red	or - orange
cr - cream	pl - pale
lt - light	dk - dark

TEXTURE

fg - fine grained	foss - fossiliferous
mg - medium grained	sil - siliceous
cg - coarse grained	mic - micaceous
bxd - brecciated	ferr - ferruginous
clvd - cleaved	int - intense
shrd - sheared	wk - weak
calc - calcareous	v - very
carb - carbonaceous	pb - pebble
lam - laminated	cb - cobble
xbd - cross bedded	tr - trace
th bd - thin bedded	in bd - inter bedded
th bd - thick bedded	tbcl - tubicolor
vn - veins, veining	frct - fractured

ROCK TYPE

SST - sandstone	SLT - siltstone
LST - limestone	DLST - dolomite
BX - breccia	CGL - conglomerate
SH - shale	BSH - black shale
QZT - quartzite	LIM - ironstone
GRIT - grit	CLY - clay
PUG - pug	GRA - gravel

MINERALOGY or ALTERATION

qz - quartz	py - pyrite
ga - galena	sp - sphalerite
lim - limonite	cp - chalcopyrite
cbd - carbonated	sil - silicified
c - calcite	

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils

e.g.

dk gy mg foss SST or gy calc SH py or pl gy LST sil

TOPOGRAPHICAL

- cut grid lines
- roads
- tracks
- tramways
- power lines
- rivers, creeks
- swampy area
- joint
- joint - vertical
- overturned
- bedding
- bedding - vertical
- quarries

INTERPRETED GEOLOGY

(Modified from 1:50,000 Strahan sheet)

TERTIARY

- Ts — Interbedded sandstone, siltstone, clay and conglomerate with lignite horizons.

DEVONIAN

- Db — Interbedded fine grained quartz sandstone and mudstone.
- Df — Dominantly fine grained quartz sandstone sequence.

SILURIAN

- Sa — Grey mudstone and siltstone with some sandstone beds.
- Sc — Quartz sandstone with minor mudstone.

ORDOVICIAN

- Or — Dominantly interbedded grey slate and siltstone with some impure limestone horizons.
- Ol — Limestone and impure limestone.
- Oo — Siliceous conglomerate, quartz sandstone with minor siltstone.

CAMBRIAN

- €ss — Interbedded laminated siltstone, micaceous sandstone, greywacke and quartzite.
- €sv — Interbedded laminated siltstone, sandstone, quartzwacke, pyritic slate with volcanic horizons.

Geological boundary.

Fault.

5 cm

Fig. SC 5

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: SWIFT CREEK EL 31/83 ,TAS.

GEOLOGY

(INTERP.)

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date: 22-6-'84	Ref. No. AO-530-2005
Drawn: R.J.R.	Checked:	

TCR 94/3611
E.Z. CO.
RE: 31/83
BIRD, CLARK AND MORA RIVERS

E.L. 31/83

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

CLARK RIVER

BIRD CREEK

HAZEL CREEK

KELLY BASIN ROAD

ABANDONED RAILWAY

walking track (approx. position)

forestry track (approx. position)

helipad

377 000mE 378 000mE 379 000mE 380 000mE 381 000mE 382 000mE 383 000mE 384 000mE 385 000mE

5 316 000mN 5 315 000mN 5 314 000mN 5 313 000mN 5 312 000mN 5 311 000mN 5 310 000mN 5 309 000mN

- STREAM SEDIMENT SAMPLE SAMPLE No S12345
- PANNED CONCENTRATE - STREAM SEDIMENT SAMPLE SAMPLE No P67890
- ROCK CHIP SAMPLE SAMPLE No R34567

5 cm

TCR 85-2160
G.I.S. 194

Fig. C.R. 2

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

SAMPLE LOCATIONS

NUMBERS and TYPES

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: AO-530-000(	Date: 16-10-84	Ref. No. AO-530-3000
Drawn: R.J.R.	Checked: I.MAT.	

TCR 84-3611
E.L. 31/83
CLARK AND NOAH RIVERS

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

CLARK RIVER

KELLY RIVER

HAZEL CREEK

ABANDONED RAILWAY

walking track (approx. position)

forestry track (approx. position)

helipad

377 000mE 378 000mE 379 000mE 380 000mE 381 000mE 382 000mE 383 000mE 384 000mE 385 000mE

5 316 000mN 5 315 000mN 5 314 000mN 5 313 000mN 5 312 000mN 5 311 000mN 5 310 000mN 5 309 000mN

13000 N 779320 E 818520 E 13000N

- ○ STREAM SEDIMENT SAMPLE. S110
- □ ROCK CHIP SAMPLE. R50
- X = below 5 ppm.

Note: All results are ppm.

5 cm

Fig. C.R.4

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOCHEMISTRY

Zn

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-0002	Date: 16-10-84	Ref. No. AO-530-3001
Drawn: R.J.R.	Checked: I.MAT.	

TCR. 84-2611
E.Z. Co. of A'asia
E.L. 31/83
GEOCHEMISTRY
Zn
CLARK AND KELLY RIVERS

E.L. 31/83

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

ABANDONED RAILWAY

CLARK RIVER

HAZEL CREEK

KELLY RIVER

NORA BASIN ROAD

PRIDE RIVER ROAD

walking track (approx. position)

forestry track (approx. position)

helipad

13000N

377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE

5316 000mN
5315 000mN
5314 000mN
5313 000mN
5312 000mN
5311 000mN
5310 000mN
5309 000mN

○ STREAM SEDIMENT SAMPLE.
S 35

□ ROCK CHIP SAMPLE.
R 5

x = below 5 ppm.

Note: All results are ppm.

5 cm

Fig. C.R. 3

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOCHEMISTRY

Pb

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-0003	Date: 16-10-'84	Ref. No.
Drawn: R.J.R.	Checked: I.MAT.	AO-530-3002

TAS. 94 (541)
E.L. 31/83
E.Z. CO. GEOPEKO
BIRD, CLARK AND NORA RIVERS

23

377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE

5 316 000mN
5 315 000mN
5 314 000mN
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

RIVER

CLARK

CREEK

HAZEL

BIRD

KELLY

ROAD

BASIN

walking track (approx. position)

helipad

forestry track (approx. position)

ABANDONED RAILWAY

13000N

7830E

8180E

S130
R471
R479
R660
S40
S75
S80
S90
S85
S110
R481
S95
S70
S105
S60

○ STREAM SEDIMENT SAMPLE.
S 130

□ ROCK CHIP SAMPLE.
R 660

X = below 10 ppm.

Note : All results are ppm.

5 cm

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOCHEMISTRY

Ba

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-0004	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	AO-530-3003

TCR 94-3611
EL 31/83
BIRD, CLARK AND NORA RIVERS
74

E.L. 31/83

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

CLARK RIVER

KELLY RIVER

KELLY BASIN ROAD

HAZEL CREEK

ABANDONED RAILWAY

forestry track (approx. position)

spiking track (approx. position)

helipad

377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE

5 316 000mN
5 315 000mN
5 314 000mN
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN

○ STREAM SEDIMENT SAMPLE
SAMPLE No S12345

○ PANNED CONCENTRATE - STREAM SEDIMENT SAMPLE
SAMPLE No P67890

□ ROCK CHIP SAMPLE
SAMPLE No R34567

N.B. - All values in ppb.

SX = VALUE <1 ppb
RX = VALUE <8 ppb

5 cm

Fig. C.R. 5

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOCHEMISTRY

Au

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference:	Date: 20-3-'85	Ref. No.
Drawn: R.J.R.	Checked: I.MAT.	AO-530-3005

TCR 84-1611
E.L. 31/83
BIRD, CLARK AND KOPA RIVERS
STREAM SEDIMENT SURVEY

E.L. 31/83

E.L. 31/83

MACQUARIE HARBOUR

KELLY BASIN

RIVER

RIVER

BASIN

ROAD

CREEK

KELLY

BIRD

HAZEL

CLARK

ABANDONED RAILWAY

Tertiary CGL

Tertiary SST

Tertiary CGL

Tertiary CGL

LIM 1

LIM 2

helipad

walking track (approx. position)

forestry track (approx. position)

gorge

5 cm

LEGEND

COLOUR

pk - pink
br - brown
bl - blue
gy - grey
rd - red
cm - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE

fg - fine grained
mg - medium grained
cg - coarse grained
bxd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
tn bd - thin bedded
tk bd - thick bedded
vn - veins, veining
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
in bd - inter bedded
tbcl - tubicolar
frct - fractured

ROCK TYPE

SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION

qz - quartz
gn - galena
lim - limonite
cb'd - carbonated
c - calcite
py - pyrite
sp - sphalerite
cp - chalcopyrite
sil'd - silicified
bte - barite
hte - haematite

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g.

dk gy mg foss SST. or gy calc SH py. or pl gy LST sil'd.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint - vertical
overturned
bedding
bedding - vertical
quarries

ROCK TYPE (cont.)

METAMORPHIC
SCH - Schist
fol - foliated
cren - crenulated

IGNEOUS

Prefixes		Suffixes	
t - tuff	A - acid	r - rhyolite	
l - lava	I - intermediate	d - dacite	
i - minor intrusive	M - basic	a - andesite	
		dol - dolerite	

VS = volcaniclastic sediment.

Thin section description shown (in brackets)

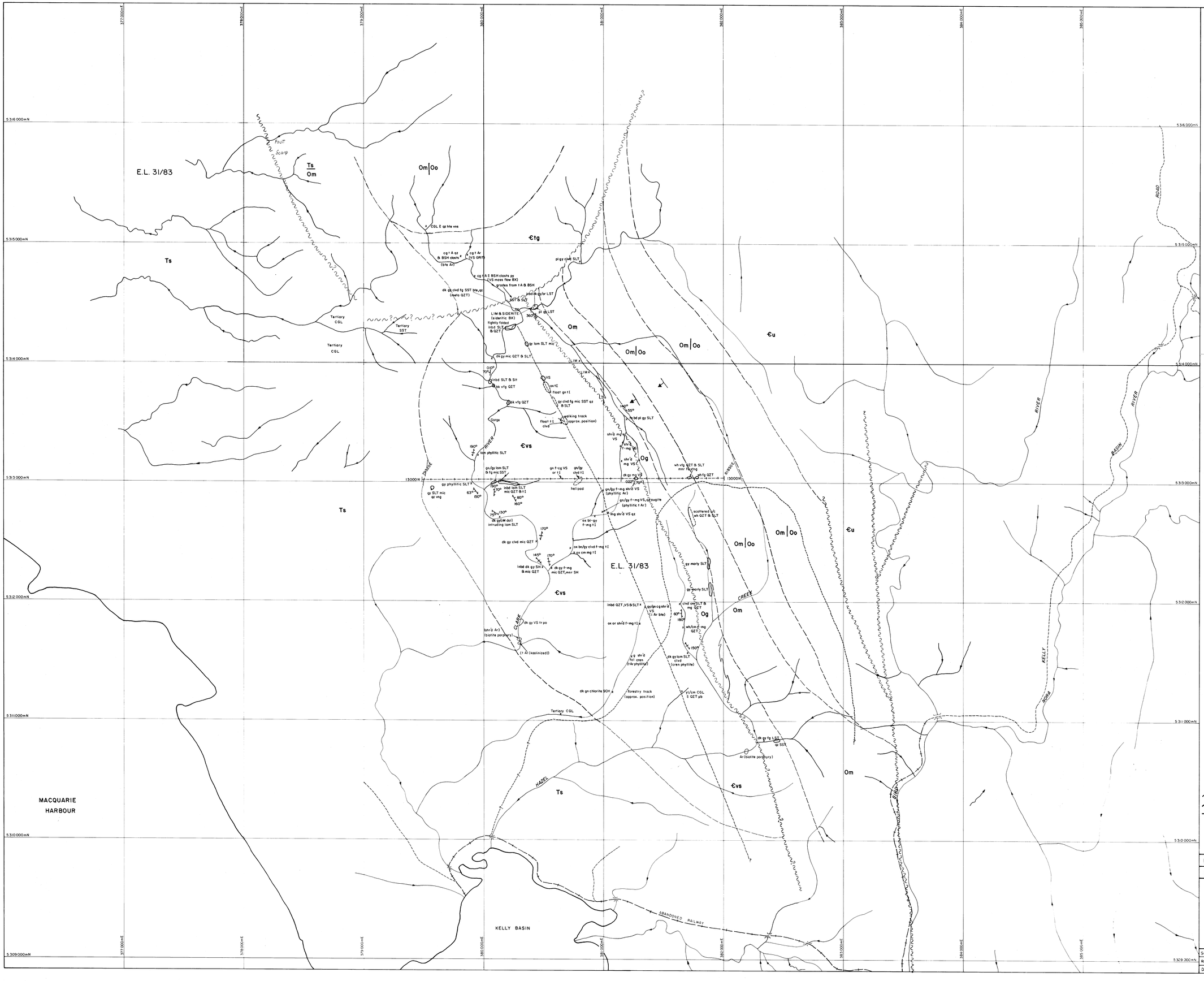
ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOLOGY

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-0005	Date: 16-10-84	Ref. No. A0-530-3004
Drawn: R.J.R.	Checked:	

TCR 84 3611
EL 31/83
BIRD, CLARK AND KELLY RIVERS



LEGEND

COLOUR

pk – pink	wh – white
br – brown	bk – black
bl – blue	gr – green
gy – grey	yl – yellow
rd – red	or – orange
cm – cream	pl – pale
lt – light	dk – dark

TEXTURE

fg – fine grained	foss – fossiliferous
mg – medium grained	sil – siliceous
cg – coarse grained	mic – micaceous
bxd – brecciated	ferr – ferruginous
clvd – cleaved	int – intense
shrd – sheared	wk – weak
calc – calcareous	v – very
carb – carbonaceous	pb – pebble
lam – laminated	cb – cobble
xbd – cross bedded	tr – trace
tn bd – thin bedded	in bd – inter bedded
tk bd – thick bedded	tbcl – tubicolor
vn – veins, veining	frct – fractured

ROCK TYPE

SST – sandstone	SLT – siltstone
LST – limestone	DLST – dolomite
BX – breccia	CGL – conglomerate
SH – shale	BSH – black shale
QZT – quartzite	LIM – ironstone
GRIT – grit	CLY – clay
PUG – pug	GRA – gravel

MINERALOGY or ALTERATION

qz – quartz	py – pyrite
gn – galena	sp – sphalerite
lim – limonite	cp – chalcopyrite
cbs – carbonated	si'd – silicified
c – calcite	bte – biotite
	hte – haematite

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g.

dk gy mg foss SST. or gy calc SH py. or pl gy LST si'd.

TOPOGRAPHICAL

- cut grid lines
- roads
- tracks
- tramways
- power lines
- rivers, creeks
- swampy area
- joint
- joint – vertical
- overturned
- bedding
- bedding – vertical
- quarries

ROCK TYPE (cont.)

METAMORPHIC
SCH – Schist
fol – foliated
cren – crenulated

IGNEOUS

Prefixes: f – tuff; l – lava; i – minor intrusive

Suffixes: A – acid; I – intermediate; M – basic; r – rhyolite; d – dacite; a – andesite; dol – dolerite

VS = volcaniclastic sediment.

Thin section description shown (in brackets)

Ts Tertiary Sediments
Poorly consolidated polymict conglomerate and sandstone.

Sc Crotty Quartzite and equivalents
Lithic and feldspathic quartz sandstone, quartz siltstone.

Og Gordon Limestone
Dark gray micritic limestone, argillaceous limestone, marly siltstone, siltstone.

Om Moina Sandstone
Siliceous quartzite, quartz sandstone, quartz siltstone, minor siliceous pebble conglomerate.

Oo Owen Conglomerate
White–pink, siliceous, pebble–cobble conglomerate, white quartzite and quartz sandstone, minor siltstone.

€u Upper Cambrian ?
Sediments.

€tg Tyndall Group Equivalents
(Corbett 1984)

€vs Cambrian Volcano-Sedimentary Sequence
Regionally metamorphosed acid–intermediate volcanics, carbonaceous micaceous quartzite and phyllitic siltstone.

~~~~ Fault – Approximate
~?~?~ Fault – Inferred
———— Lithological boundary – Approximate

5 cm

Fig. C.R. 1

ELECTOLYTIC ZINC CO. OF A'SIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 , TAS.

GEOLOGY

INTERPRETATION

Scale 1:10,000	Survey I MAT	Rev. sed
Reference 530-0005	Date 29-7-'85	Ref No. A0-530-3006
Drawn R.J.R	Checked	

TCR 84-1611
E.Z. CO. OF TASMANIA
31/83
CLARK RIVER
GEOLOGICAL MAPS
BIRD, CLARK AND MACQUARIE RIVERS
~~~~

E.L. 31/83

E.L. 30/83

FRANKLIN– LOWER GORDON

WILD RIVERS NATIONAL PARK

KELLY BASIN

MACQUARIE HARBOUR

BRISBANES BAY

ST. LEGER POINT

CLARK RIVER

HAZEL CREEK

BIRD RIVER

KELLY BASIN CREEK

FRANKLIN ROAD

ABANDONED RAILWAY

SPENCE RIVER

S 60208 R 60289 S 60207 R 60290 R 60292 S 60206 R 60291 R 60293 S 60047 R 60046 R 60294 S 60045 R 60295 S 60004 R 60296 S 60005 R 60299 R 60044 S 60097 S 60038 P 60039 S 60201 R 60300 S 60202 P 60203 R 60298 R 60043 R 60042 S 60041 R 60040 S 60020 R 60021 R 60039 S 60022 R 60023 R 60024 R 60025 R 60038 R 60026 R 60037 R 60036 R 60035 S 60027 R 60028 R 60034 S 60031 R 60032 P 60033 S 60029 R 60030 R 59782 R 59781 S 59725 R 59783 R 59784 R 59780 S 59724 R 59785 R 59779 R 59786 R 59778 S 59722 P 59723 R 59787 R 59788 S 59721 R 59775 R 59776 R 59777 S 59718 R 59793 P 59719 R 59792 S 59720 R 59790 R 59791 R 59960 S 59950 P 59956 S 65823 S 65826 S 65824 S 65825 R 59973 R 59968 S 59954 R 59969 S 59952 R 59972 R 59970 S 59953 S 65818 P 65819 R 65820 S 65816 R 65817 S 65813 P 65814 R 65821 R 65822 R 65815 R 59772 S 59734 S 59733 R 59773 S 59735 R 59771 R 59770 S 59736 S 59737 P 59738 R 59797 S 59702 S 59704 S 59705 S 59703 R 59798 R 59799 R 59726 S 59706 S 59707 R 59800 R 59729 R 59728 R 59727 R 59732 R 59731 R 59730 S 59927 R 59992 R 59928 S 59926 P 59925 R 59929

- STREAM SEDIMENT SAMPLE. SAMPLE No. S89012
- PANNED CONCENTRATE–STREAM SEDIMENT SAMPLE. SAMPLE No. P45678
- ROCK CHIP SAMPLE. SAMPLE No. R23456

5 cm

TCR 84-2181

Fig. B.R. 2

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BIRD RIVER, E.L. 31/83 , TAS.

GIS 188

SAMPLE LOCATIONS

NUMBERS and TYPES

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-1000	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	AO-530-4000

TCR 94-3611
E.L. 31/83
B.R. 2 COL. GEOCHEM
BIRD, CLARK AND ROSS RIVERS

E.L. 31/83

E.L. 30/83

FRANKLIN – LOWER GORDON

WILD RIVERS

NATIONAL PARK

KELLY BASIN

MACQUARIE HARBOUR

ST. LEGER POINT

BRISBANES BAY

ABANDONED RAILWAY

FRANKLIN ROAD

BIRD RIVER

CLARK RIVER

HAZEL CREEK

KELLY BASIN RIVER

SPENCE RIVER

380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE

5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN
5 307 000mN
5 306 000mN

○ STREAM SEDIMENT SAMPLE.
S 65

□ ROCK CHIP SAMPLE.
R 10

X = below 5 ppm.

Note: All results are ppm.

5cm

Fig. B.R. 4

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

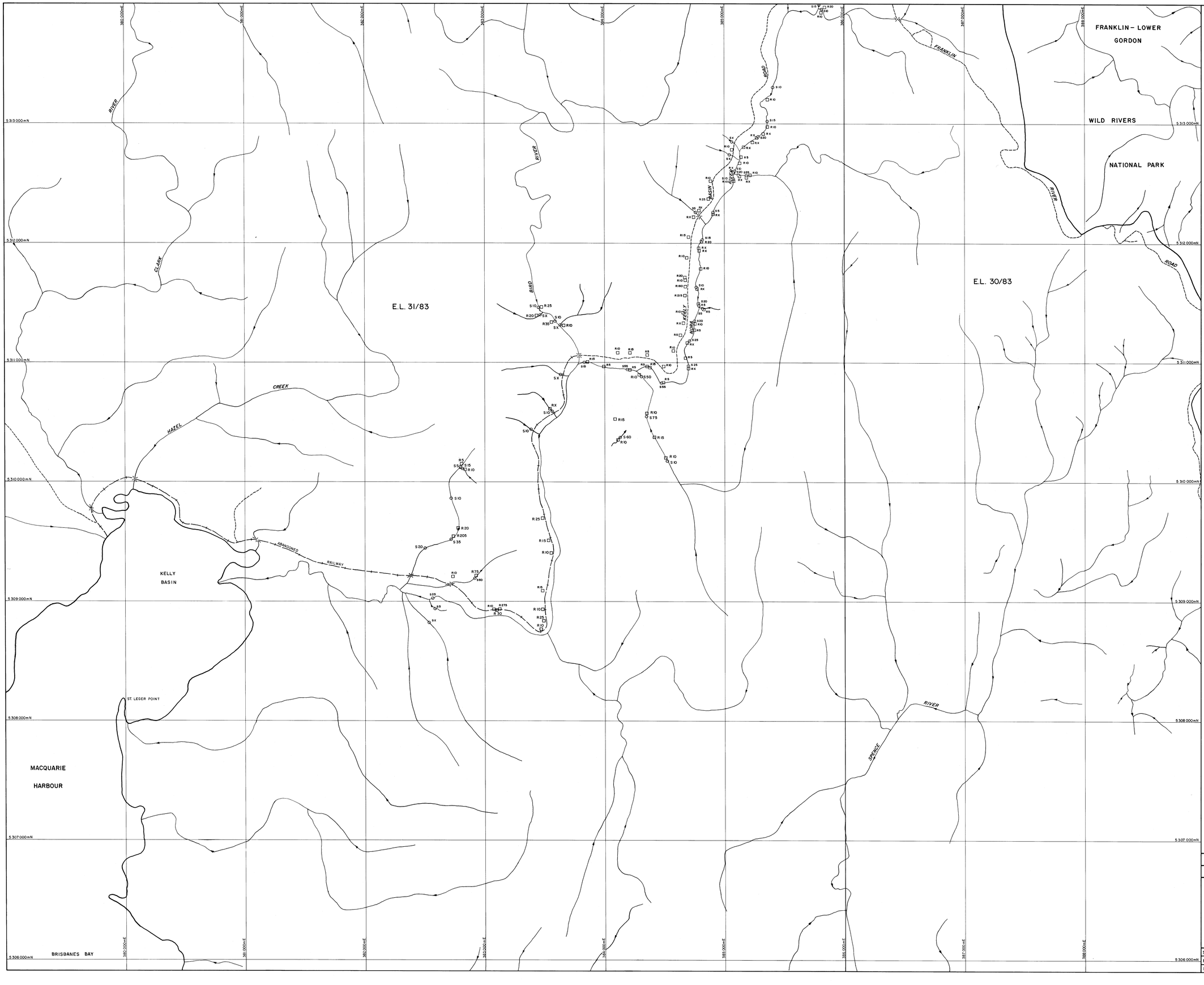
PROJECT: BIRD RIVER, E.L. 31/83 , TAS.

GEOCHEMISTRY

Zn

Scale: 1:10,000	Survey: I. MAT.	Revised:
Reference: 530-1001	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	AO-530-4001

TCPL 94-3611
E.L. 31/83
BIRD, CLARK AND KOSSA RIVERS



○ STREAM SEDIMENT SAMPLE.
S 25

□ ROCK CHIP SAMPLE.
R 10

X = below 5 ppm.

Note : All results are ppm.

5 cm

Fig. B.R. 3

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BIRD RIVER, E.L. 31/83 ,TAS.

GEOCHEMISTRY

Pb

Scale: 1:10,000	Survey: I. MAT.	Revised:
Reference: 530-1002	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	AO-530-4002

TCR 94-3611
EL 31/83
E.Z. CO. TASMANIA
BIRD, CLARK AND KING RIVERS

30

380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE

5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN
5 307 000mN
5 306 000mN

CLARK RIVER
HAZEL CREEK
BIRD RIVER
KELLY BASIN
NORA CREEK
FRANKLIN ROAD
FRANKLIN RIVER
GORDON RIVER
SPENCE RIVER
ABANDONED RAILWAY

E.L. 31/83

E.L. 30/83

FRANKLIN - LOWER GORDON WILD RIVERS NATIONAL PARK

KELLY BASIN

ST LEGER POINT

MACQUARIE HARBOUR

BRISBANES BAY

S190 S95 S90 S85 S80 S60 S50 S40 S35 S30 S25 S20 S15 S10 S5 S1 S2 S3 S4 S6 S7 S8 S9 S11 S12 S13 S14 S16 S17 S18 S21 S22 S23 S24 S26 S27 S28 S29 S31 S32 S33 S34 S36 S37 S38 S39 S41 S42 S43 S44 S45 S46 S47 S48 S49 S51 S52 S53 S54 S55 S56 S57 S58 S59 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S81 S82 S83 S84 S86 S87 S88 S89 S91 S92 S93 S94 S96 S97 S98 S99

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 R85 R86 R87 R88 R89 R90 R91 R92 R93 R94 R95 R96 R97 R98 R99 R100 R101 R102 R103 R104 R105 R106 R107 R108 R109 R110 R111 R112 R113 R114 R115 R116 R117 R118 R119 R120 R121 R122 R123 R124 R125 R126 R127 R128 R129 R130 R131 R132 R133 R134 R135 R136 R137 R138 R139 R140 R141 R142 R143 R144 R145 R146 R147 R148 R149 R150 R151 R152 R153 R154 R155 R156 R157 R158 R159 R160 R161 R162 R163 R164 R165 R166 R167 R168 R169 R170 R171 R172 R173 R174 R175 R176 R177 R178 R179 R180 R181 R182 R183 R184 R185 R186 R187 R188 R189 R190 R191 R192 R193 R194 R195 R196 R197 R198 R199 R200 R201 R202 R203 R204 R205 R206 R207 R208 R209 R210 R211 R212 R213 R214 R215 R216 R217 R218 R219 R220 R221 R222 R223 R224 R225 R226 R227 R228 R229 R230 R231 R232 R233 R234 R235 R236 R237 R238 R239 R240 R241 R242 R243 R244 R245 R246 R247 R248 R249 R250 R251 R252 R253 R254 R255 R256 R257 R258 R259 R260 R261 R262 R263 R264 R265 R266 R267 R268 R269 R270 R271 R272 R273 R274 R275 R276 R277 R278 R279 R280 R281 R282 R283 R284 R285 R286 R287 R288 R289 R290 R291 R292 R293 R294 R295 R296 R297 R298 R299 R300 R301 R302 R303 R304 R305 R306 R307 R308 R309 R310 R311 R312 R313 R314 R315 R316 R317 R318 R319 R320 R321 R322 R323 R324 R325 R326 R327 R328 R329 R330 R331 R332 R333 R334 R335 R336 R337 R338 R339 R340 R341 R342 R343 R344 R345 R346 R347 R348 R349 R350 R351 R352 R353 R354 R355 R356 R357 R358 R359 R360 R361 R362 R363 R364 R365 R366 R367 R368 R369 R370 R371 R372 R373 R374 R375 R376 R377 R378 R379 R380 R381 R382 R383 R384 R385 R386 R387 R388 R389 R390 R391 R392 R393 R394 R395 R396 R397 R398 R399 R400 R401 R402 R403 R404 R405 R406 R407 R408 R409 R410 R411 R412 R413 R414 R415 R416 R417 R418 R419 R420 R421 R422 R423 R424 R425 R426 R427 R428 R429 R430 R431 R432 R433 R434 R435 R436 R437 R438 R439 R440 R441 R442 R443 R444 R445 R446 R447 R448 R449 R450 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R462 R463 R464 R465 R466 R467 R468 R469 R470 R471 R472 R473 R474 R475 R476 R477 R478 R479 R480 R481 R482 R483 R484 R485 R486 R487 R488 R489 R490 R491 R492 R493 R494 R495 R496 R497 R498 R499 R500 R501 R502 R503 R504 R505 R506 R507 R508 R509 R510 R511 R512 R513 R514 R515 R516 R517 R518 R519 R520 R521 R522 R523 R524 R525 R526 R527 R528 R529 R530 R531 R532 R533 R534 R535 R536 R537 R538 R539 R540 R541 R542 R543 R544 R545 R546 R547 R548 R549 R550 R551 R552 R553 R554 R555 R556 R557 R558 R559 R560 R561 R562 R563 R564 R565 R566 R567 R568 R569 R570 R571 R572 R573 R574 R575 R576 R577 R578 R579 R580 R581 R582 R583 R584 R585 R586 R587 R588 R589 R590 R591 R592 R593 R594 R595 R596 R597 R598 R599 R600 R601 R602 R603 R604 R605 R606 R607 R608 R609 R610 R611 R612 R613 R614 R615 R616 R617 R618 R619 R620 R621 R622 R623 R624 R625 R626 R627 R628 R629 R630 R631 R632 R633 R634 R635 R636 R637 R638 R639 R640 R641 R642 R643 R644 R645 R646 R647 R648 R649 R650 R651 R652 R653 R654 R655 R656 R657 R658 R659 R660 R661 R662 R663 R664 R665 R666 R667 R668 R669 R670 R671 R672 R673 R674 R675 R676 R677 R678 R679 R680 R681 R682 R683 R684 R685 R686 R687 R688 R689 R690 R691 R692 R693 R694 R695 R696 R697 R698 R699 R700 R701 R702 R703 R704 R705 R706 R707 R708 R709 R710 R711 R712 R713 R714 R715 R716 R717 R718 R719 R720 R721 R722 R723 R724 R725 R726 R727 R728 R729 R730 R731 R732 R733 R734 R735 R736 R737 R738 R739 R740 R741 R742 R743 R744 R745 R746 R747 R748 R749 R750 R751 R752 R753 R754 R755 R756 R757 R758 R759 R760 R761 R762 R763 R764 R765 R766 R767 R768 R769 R770 R771 R772 R773 R774 R775 R776 R777 R778 R779 R780 R781 R782 R783 R784 R785 R786 R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R800 R801 R802 R803 R804 R805 R806 R807 R808 R809 R810 R811 R812 R813 R814 R815 R816 R817 R818 R819 R820 R821 R822 R823 R824 R825 R826 R827 R828 R829 R830 R831 R832 R833 R834 R835 R836 R837 R838 R839 R840 R841 R842 R843 R844 R845 R846 R847 R848 R849 R850 R851 R852 R853 R854 R855 R856 R857 R858 R859 R860 R861 R862 R863 R864 R865 R866 R867 R868 R869 R870 R871 R872 R873 R874 R875 R876 R877 R878 R879 R880 R881 R882 R883 R884 R885 R886 R887 R888 R889 R890 R891 R892 R893 R894 R895 R896 R897 R898 R899 R900 R901 R902 R903 R904 R905 R906 R907 R908 R909 R910 R911 R912 R913 R914 R915 R916 R917 R918 R919 R920 R921 R922 R923 R924 R925 R926 R927 R928 R929 R930 R931 R932 R933 R934 R935 R936 R937 R938 R939 R940 R941 R942 R943 R944 R945 R946 R947 R948 R949 R950 R951 R952 R953 R954 R955 R956 R957 R958 R959 R960 R961 R962 R963 R964 R965 R966 R967 R968 R969 R970 R971 R972 R973 R974 R975 R976 R977 R978 R979 R980 R981 R982 R983 R984 R985 R986 R987 R988 R989 R990 R991 R992 R993 R994 R995 R996 R997 R998 R999 R1000

○ STREAM SEDIMENT SAMPLE.
S190

□ ROCK CHIP SAMPLE.
R15

X = below 10 ppm.

Note: All results are ppm.

5 cm

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BIRD RIVER, E.L. 31/83 ,TAS.

GEOCHEMISTRY

Ba

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference: 530-1003	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	A0-530-4003

TCR. 94-3611
EL. 31/83
BIRD, CLARK AND NORA RIVERS

FRANKLIN – LOWER GORDON WILD RIVERS NATIONAL PARK

E.L. 31/83

E.L. 30/83

KELLY BASIN

MACQUARIE HARBOUR

BRISBANES BAY

ST. LEGER POINT

RIVER · CLARK · CREEK · HAZEL · BIRD · ROAD · FRANKLIN · ABANDONED RAILWAY · SPENCE

dk gy fg org LST · dk gy org LST · gy LST · lt gy LST · sandy LST · dk gy LST · gy fg lom SST mic · x gy fg org LST · x dk gy org LST · gy fg SST · lt gy silty SST · lt yl fg SST · lt gy fg QZT · fg silty SST · sil BX py · x tan fr-mg silty SST · LST BX · x gy SLST · x gyrite · x dk gy CLAY py · calc BX · x dk gy SLST · gy calc SLST · lt gy SLST · tan SLST · x dk gy fg LST cal vng · pug · x dk gy fg LST · silty LST · x dk gy fos LST · calc SLST · x calc SLST · x dol SLST · sandy LST · x wh QZT · vfg LST · dol LST · dol BX LST · x dol LST · x LST · BX LST · dk gy SLT mic · dk gy vfg org LST · dk gy vfg QZT · bn mg QZT · x dk gy dol SLST · x gy & dk gy LST · x in bd org LST & vfg LST · dk gy vfg xyst LST · dk gy vfg xyst dol LST · x dk gy org LST · pl gy clv'd SLST · pl yl/gy ox clv'd SLST · pl gy DLST · pl gn vfg QZT · gy fg sholy LST · gy mg QZT · gy mg DLST · in bd dk gy LST & sholy LST · dk gy-bk Ag dol LST tr py · dk gy lom SH · dk gy-bk lom LST · gy bnd DLST tr gn intense qz-cb vng · sloty BSH · dk gy/bn lom SLST · contorted & veined dk gy sholy LST · dk gy lom LST & LST sl'd · gy vfg mic QZT (crenulated) · lt gy fg QZT · wh CLY · x gy clv'd SLST & QZT · dk gy foss silty LST · silty LST · dol LST · dol foss LST · dol SLST · fg org LST · vfg LST · dk gy LST mic · gy SH · x LIM

LEGEND

COLOUR

pk – pink
br – brown
bl – blue
gy – grey
rd – red
cr – cream
lt – light
wh – white
bk – black
gr – green
yl – yellow
or – orange
pl – pale
dk – dark

TEXTURE

fg – fine grained
mg – medium grained
cg – coarse grained
bxd – brecciated
clvd – cleaved
shrd – sheared
calc – calcareous
carb – carbonaceous
lam – laminated
xbd – cross bedded
tn bd – thin bedded
tk bd – thick bedded
vn – veins, veining
foss – fossiliferous
sil – siliceous
mic – micaceous
ferr – ferruginous
int – intense
wk – weak
v – very
pb – pebble
cb – cobble
tr – trace
in bd – inter bedded
tbcl – tubicolar
frct – fractured

ROCK TYPE

SST – sandstone
LST – limestone
BX – breccia
SH – shale
QZT – quartzite
GRIT – grit
PUG – pug
SLT – siltstone
DLST – dolomite
CGL – conglomerate
BSH – black shale
LIM – ironstone
CLY – clay
GRA – gravel

MINERALOGY or ALTERATION

qz – quartz
gn – galena
lim – limonite
cbd – carbonated
c – calcite
py – pyrite
sp – sphalerite
cp – chalcopyrite
sil – silicified

ORDER

Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.

e.g.

dk gy mg foss SST. or gy calc SH py or pl gy LST sil'd.

TOPOGRAPHICAL

cut grid lines
roads
tracks
tramways
power lines
rivers, creeks
swampy area
joint
joint – vertical
overturned
bedding
bedding – vertical
quarries

5 cm

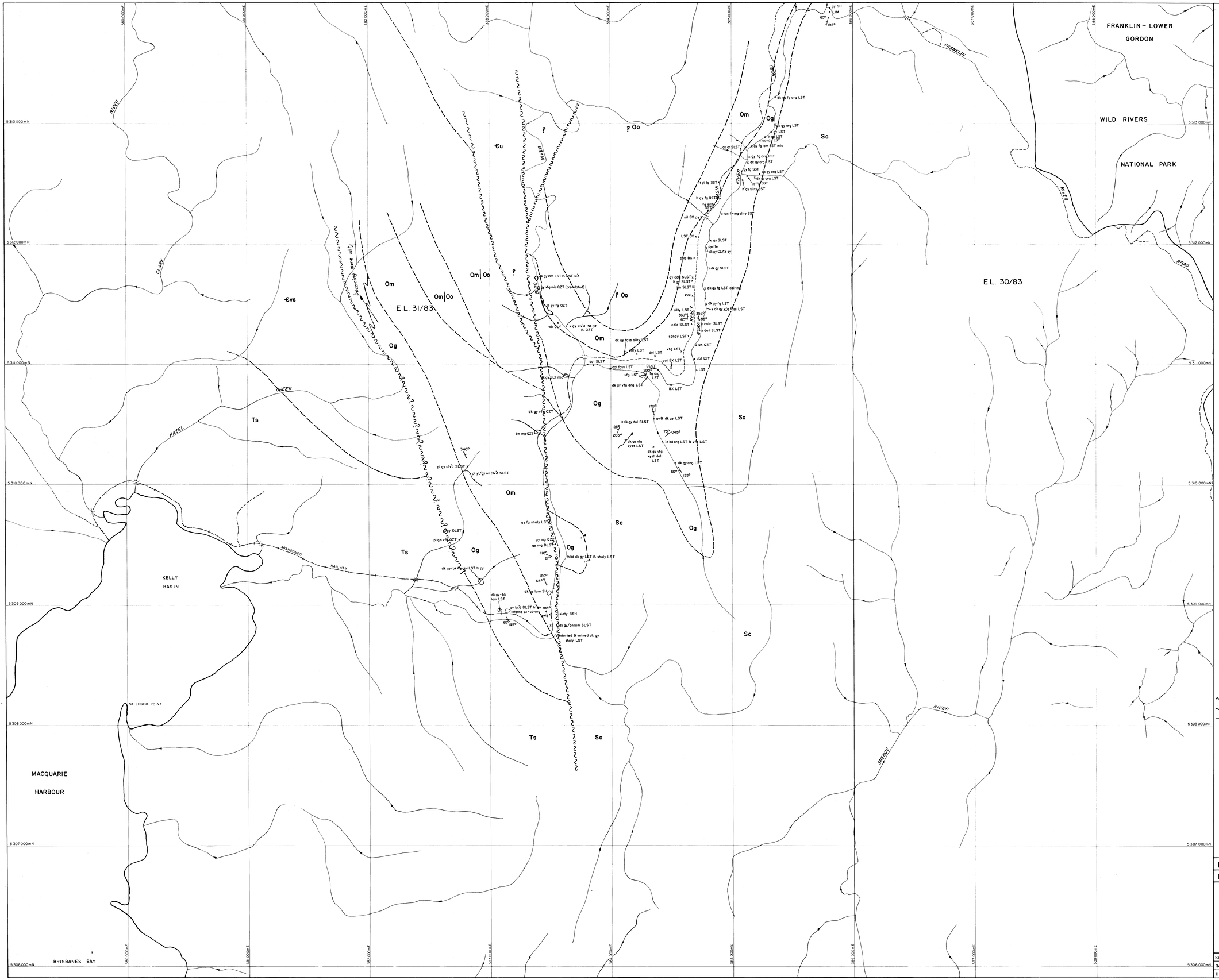
ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BIRD RIVER, E.L. 31/83 ,TAS.

GEOLOGY

Scale: 1:10,000	Survey: I. MAT.	Revised:
Reference: 530-1004	Date: 16-10-84	Ref. No.
Drawn: R.J.R.	Checked:	A0-530-4004

TCS 94-3611
EL 31/83
BIRD, CLARK AND NOEA RIVERS

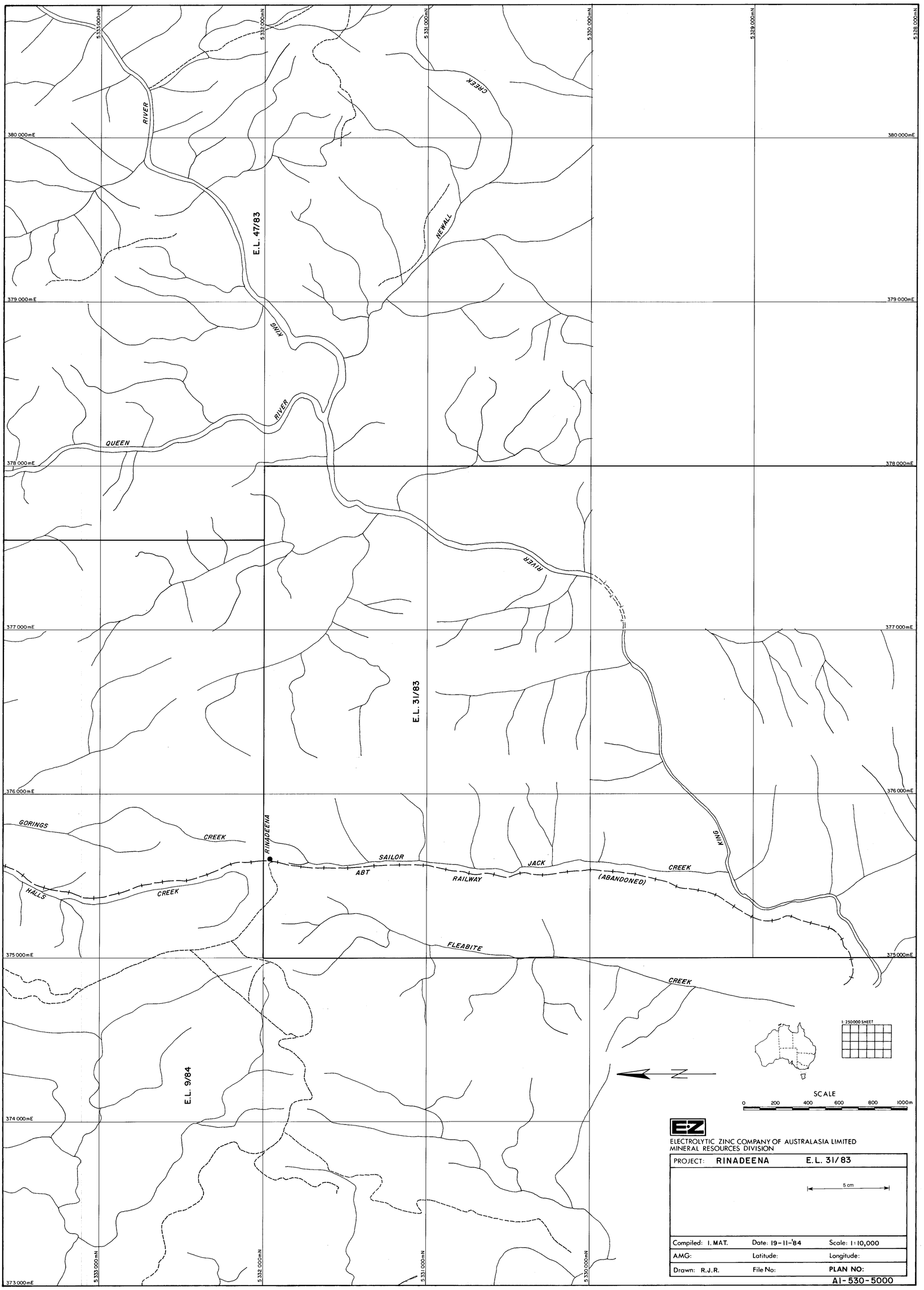

380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN
5 307 000mN
5 306 000mN
RIVER
CLARK
HAZEL
CREEK
ABANDONED
RAILWAY
ROAD
FRANKLIN
KELLY
BASIN
ST LEGER POINT
MACQUARIE
HARBOUR
BRISBANES BAY
FRANKLIN – LOWER
GORDON
WILD RIVERS
NATIONAL PARK
SPENCE
E.L. 31/83
E.L. 30/83
Om
Og
Sc
Ts
Oo
? Oo
Om|Oo
Cvs
Cu
dk gy fg org LST
dk gy SH
LIM
192°
gy SH
gy org LST
dk gy org LST
gy silty SST
lt gy fg QZT
sil BX
LST BX
gy SLST
pyrite
dk gy CLAY py
calc BX
dk gy SLST
dk gy fg LST cgl vns
dk gy fg LST
dk gy SLST foss LST
calc SLST
dol SLST
wh QZT
dol LST
BX LST
DLST
dk gy vfg org LST
dk gy vfg QZT
dk gy dol SLST
gy & dk gy LST
dk gy vfg xyst LST
dk gy org LST
gy fg shaly LST
gy mg QZT
gy mg DLST
mbd dk gy LST & shaly LST
dk gy-bk fg sil LST tr py
dk gy-bk lam LST
gy brec DLST tr py intense qz-cb vns
dk gy/bn lam SLST
distorted & veined dk gy shaly LST
dk gy-bk lam SH
slaty BSH
pl gn mg QZT
pl gy clv'd SLST
pl yl/gy ox clv'd SLST
gy fg SST
gy org LST
gy fg SST
dk gy org LST
dk gy fg org LST
gy org LST
lt gy LST
sandy LST
gy fg lam SST mic
dk gy org LST
xton f–mg silty SST
dk gy fg QZT
gy fg QZT
dk gy lam LST & LST sil'd
dk gy vfg mic QZT (convoluted)
lt gy fg QZT
wh QZT
x gy clv'd SLST & QZT
dk gy foss silty LST
silty LST
vfg LST
dol LST
dol BX LST
dol foss LST
vfg LST
dk gy vfg org LST
dk gy vfg QZT
x dk gy dol SLST
dk gy vfg xyst LST
dk gy vfg xyst dol LST
x bn bd org LST & vfg LST
dk gy org

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

Trimline A1 for vertiplan

Trimline A1 for reports

A1-530-5000

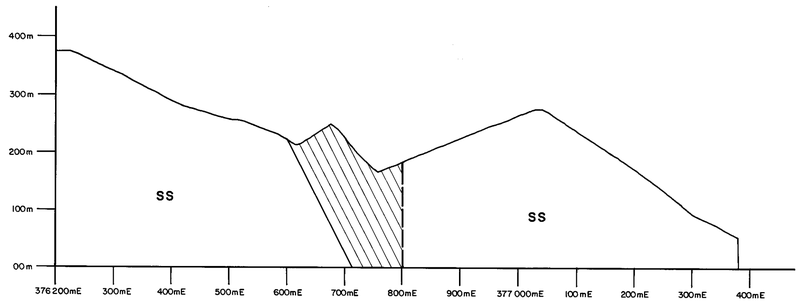


ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

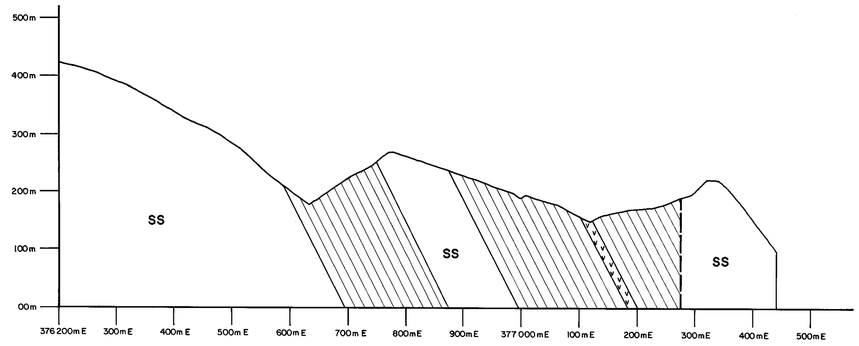
PROJECT: RINADEENA		E.L. 31/83
		5 cm
Compiled: I. MAT.	Date: 19-11-'84	Scale: 1:10,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: A1-530-5000

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

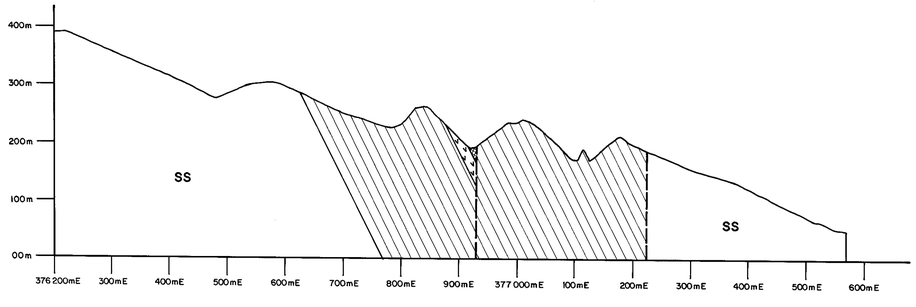
AI-530-5001



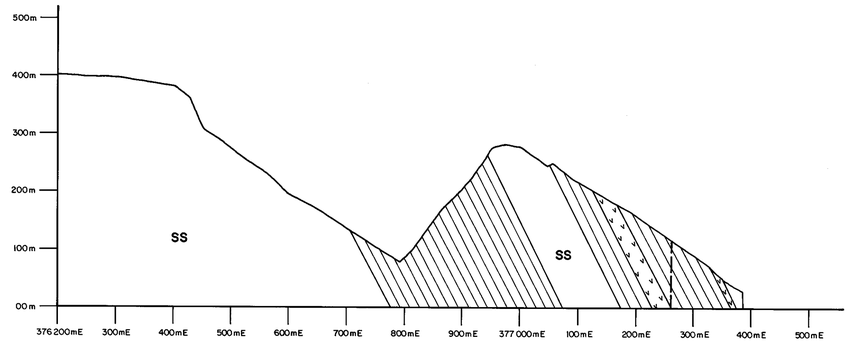
5 331 800m N



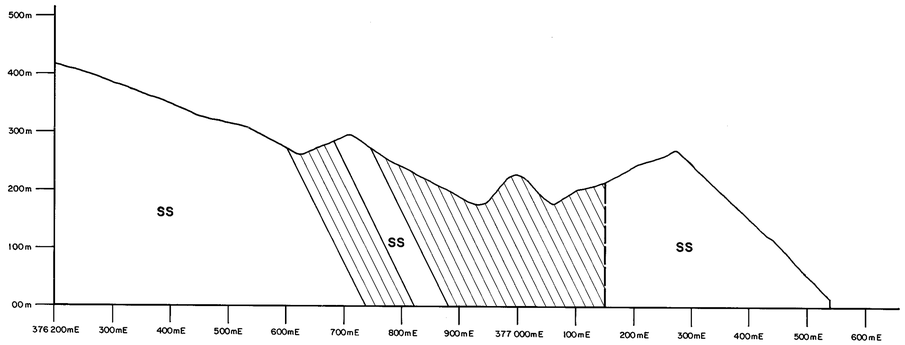
5 330 600m N



5 331 400m N



5 330 200m N



5 330 900m N

-LEGEND-

SS	White and grey, medium grained feldspathic, micaceous Quartzite.
	Grey micaceous Siltstones and laminated Shales – interbedded Quartzites.
v v v v v v v v v v v v	Multicoloured medium–coarse grained Tuffaceous Arkose, occ. conglomerate.
	? Crush zone.
	Inferred fault.



SCALE

5 cm

0 100 200 300 400 500m

EZ

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R5

PROJECT: MACQUARIE E.L. 31/83 , TAS.

RINADEENA

CROSS SECTIONS

Compiled: D.H.	Date: 12-2-'85	Scale: 1:5000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: AI-530-5001

Trimline A1 for reduction

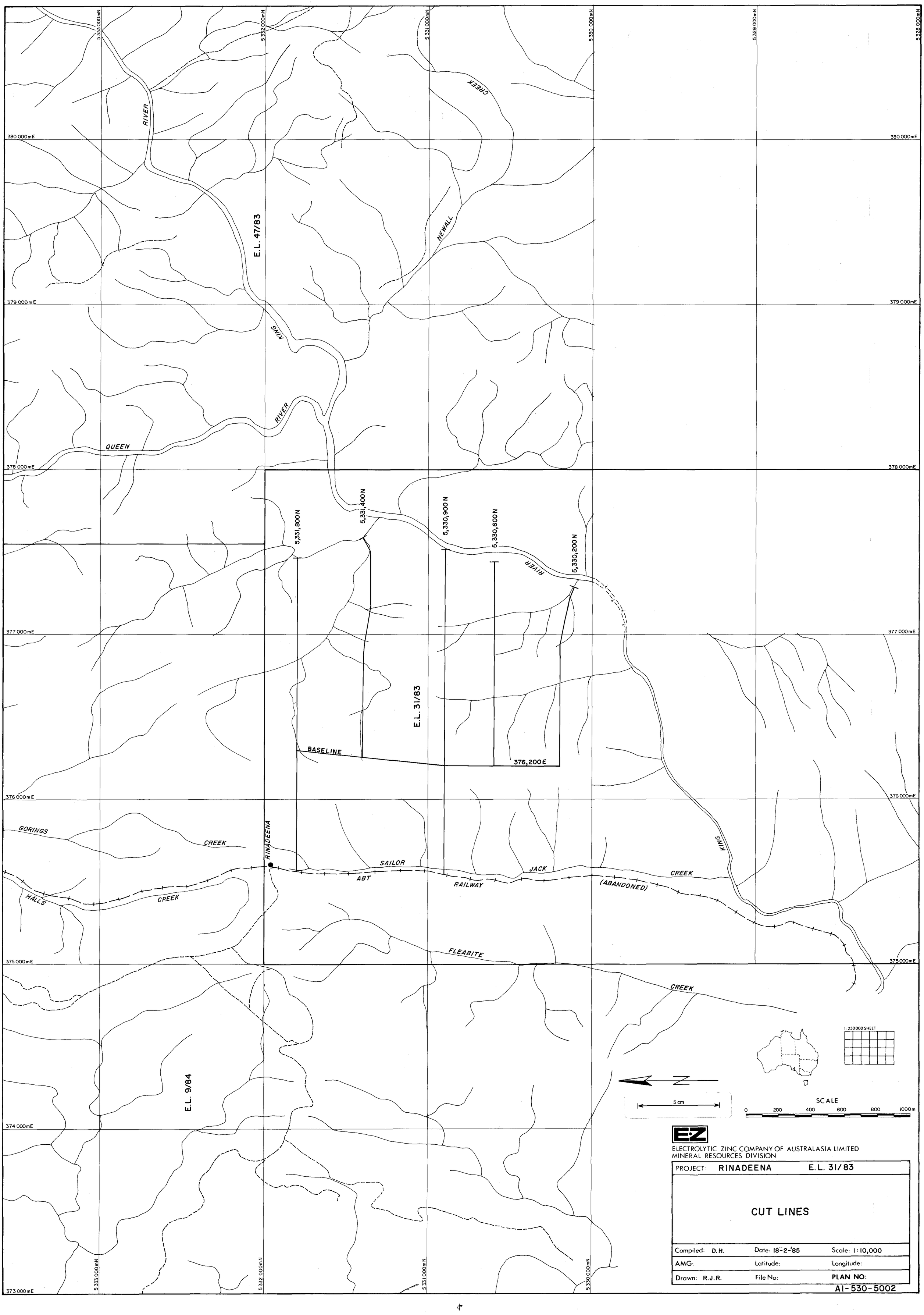
Trimline A1 for reports

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

30

Trimline A1 for reports

A1-530-5002



ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: RINADEENA		E.L. 31/83
CUT LINES		
Compiled: D.H.	Date: 18-2-'85	Scale: 1:10,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: A1-530-5002

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

37

Trimline A1 for reports

AI-530-5003

5 333 000mN
5 332 000mN
5 331 000mN
5 330 000mN
5 329 000mN
5 328 000mN
380 000mE
379 000mE
378 000mE
377 000mE
376 000mE
375 000mE
374 000mE
373 000mE

RIVER
CREEK
NEWALL
E.L. 47/83
KING
QUEEN
RIVER

5,331,800 N
5,331,400 N
5,330,900 N
5,330,600 N
5,330,200 N

R64116
R64115
R64168 & R64169
R64114
R64113
R64112
R64170
R64174
R64175
R64176
R64177
R64107
R64106
R64105
R64104
R64103
R64102
R64101
BASELINE

R64167
R64166
R64165
R64140
R64139
R64138
R64137
R64136
R64135
R64134

E.L. 31/83

R64171
R64172
R64173
R64161
R64160
R64162
R64163
R64164
R64151
R64150
R64149
R64148
R64147
R64146
R64145
R64144
R64143
R64142
R64141
R65205
R65204
R65203
R65202
R65201
376,200 E

RIVER

GORINGS CREEK
RINADEENA
SAILOR
ABT
RAILWAY
JACK CREEK (ABANDONED)
KING
HALLS CREEK
FLEABITE CREEK

E.L. 9/84

1 250000 SHEET

N

5 cm

SCALE
0 200 400 600 800 1000m

E·Z

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R3

PROJECT: RINADEENA E.L. 31/83

ROCK CHIP SAMPLES
LOCATIONS and NUMBERS

Compiled: D. H.	Date: 18-2-'85	Scale: 1:10,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO:

AI-530-5003

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

38

mline AI for reports

AI-530-5004

5 333 000mN
5 332 000mN
5 331 000mN
5 330 000mN
5 329 000mN
5 328 000mN
380 000mE
379 000mE
378 000mE
377 000mE
376 000mE
375 000mE
374 000mE
373 000mE

RIVER
CREEK
NEWALL
E.L. 47/83
KING
RIVER
QUEEN
5,331,800 N
5,331,400 N
5,330,900 N
5,330,600 N
5,330,200 N
S64119
S64120
S64117
P64118
S64152
P64153
S61916
P61917
S64128
S64127
S61918
S64125
P64126
S61920
S61919
P64111
S64110
S61921
P64124
S64123
S64109
S64122
S64121
P64133
S64132
S64158
P64159
S64131
S64154
P64155
S64129
P64130
S64156
P64157
E.L. 31/83
BASELINE
376,200 E
GORINGS
CREEK
RINADEENA
SAILOR
ABT
RAILWAY
JACK
CREEK
(ABANDONED)
KING
HALLS
CREEK
FLEABITE
CREEK
E.L. 9/84

1:250000 SHEET

5 cm

SCALE
0 200 400 600 800 1000m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R4

PROJECT: RINADEENA E.L. 31/83

TCR 85-260
GIS 194

STREAM SAMPLES

LOCATIONS and NUMBERS

Compiled: D.H.	Date: 18-2-'85	Scale: 1:10,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO:

AI-530-5004

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

39

trimline AI for reports

AI-530-5005

5 333 000mN
5 332 000mN
5 331 000mN
5 330 000mN
5 329 000mN
5 328 000mN
380 000mE
379 000mE
378 000mE
377 000mE
376 000mE
375 000mE
374 000mE
373 000mE

RIVER
CREEK
E.L. 47/83
NEWALL
KING
RIVER
QUEEN
RIVER
E.L. 31/83
E.L. 9/84
GORINGS CREEK
RINADEENA
SAILOR JACK CREEK
ABT RAILWAY (ABANDONED)
KING
HALLS CREEK
FLEABITE CREEK

-LEGEND-

D	Db	Interbedded fine grained quartz sandstone and mudstone. (Correlate of Bell Shale).
	Df	Dominantly fine grained quartz sandstone sequences. (Correlate of Florence Quartzite).
S	Sa	Dominantly grey mudstone, siltstone and some fine grained quartz sandstone horizons.
	Sc	Fine to coarse grained quartz sandstone, minor mudstone and conglomerate. (Correlate of Crotty Quartzite).
O	Og Or	Dominantly interbedded grey shale, siltstone with some impure limestone horizons.
	Og Ol	Limestone and impure limestone.
	Oo Os	Quartz sandstone with minor siltstone.
	Oo Oc	Dominantly siliceous conglomerate.
€		Acid to intermediate volcanics and associated sediments.

Rinadeena

Sq	Dominantly white, medium grained, quartz sandstone/quartzite (=?Sc).
Sslt	Grey mudstone and siltstone interbedded with white/grey quartz sandstones, contains tuffaceous arkose horizon in Rinadeena area (=?Sa).

- Geological boundary.
- Geological boundary – inferred.
- Geological boundary – position uncertain.
- Fault – inferred.
- Fault – position uncertain.
- Fold axis.
- Road or track.

Sources

(1) E.Z. mapping (D.L. Hopton) Dec. 84– Jan. 85.
(2) M. Solomon, Queenstown – 2" = 1 mile.
(3) Tasmanian Geological Survey – Queenstown 1:250,000 sheet (SK 55-5).
(4) Tasmanian Geological Survey – Strahan 1: 50,000 sheet (7913 N).

1 250000 SHEET

5 cm

SCALE
0 200 400 600 800 1000m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R6

PROJECT: RINADEENA E.L. 31/83

INTERPRETIVE GEOLOGY

Compiled: D.H.	Date: 18-2-'85	Scale: 1:10,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO:

AI-530-5005

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

40

Trimline A1 for reports

AI-530-5006

5332 000mN
5331 500mN
5331 000mN
5330 500mN
5330 000mN
378 500mE
378 000mE
377 500mE
377 000mE
376 500mE
376 000mE
375 500mE

KING NEWALL CREEK
QUEEN RIVER
E.L. 47/83
RIVER
5,331,400N
5,331,800N
5,330,900N
5,330,600N
5,330,200N
KING RIVER
0·05(R)
1·10(R)
0·54 (R)
0·02(R)
0·02(R)
0·40(R)
0·01(R)
0·08 (R)
0·02(R)
376,200E
E.L. 9/84
E.L. 31/83
BASELINE
RINADEENA
SAILOR ABT RAILWAY (ABANDONED) JACK CREEK
HALLS CREEK
FLEABITE CREEK

1 250000 SHEET

5 cm

SCALE
0 100 200 300 400 500m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R7

PROJECT: RINADEENA E.L. 31/83

GEOCHEMISTRY

Au

Compiled: D.H.	Date: 20-2-'85	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: AI-530-5006

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

41

Trimline A1 for reports

A1-530-5007

5332 000mN
5331 500mN
5331 000mN
5330 500mN
5330 000mN
378 500mE
378 000mE
377 500mE
377 000mE
376 500mE
376 000mE
375 500mE

KING CREEK
NEWALL
QUEEN RIVER
RIVER
KING
RIVER
SAILOR ABT RAILWAY (ABANDONED) JACK CREEK
HALLS CREEK
FLEABITE CREEK
BASELINE
RINADEENA

E.L. 47/83
E.L. 31/83
E.L. 9/84

5,331,800N
5,331,400N
5,330,900N
5,330,600N
5,330,200N

wh QZT + qz vn scree
wh mg mic QZT
wh QZT
wh QZT scree
wh mg QZT
wh mg feld mic QZT, qz vns
150° 80°
gy-bl lam SH inbd gy SLT & SST
qz vns
wh mg feld mic QZT
qz vns
pebbly

85° 005°
wh mg mic feld QZT
min qz vns
wh mg mic QZT
gy SH
gy SH? sid
yl lam SH
yl-gy lam SH scree
FAULT BX
scree
multi col mg-cg tuff ark
gy lam inbd SH & SLT 24° 170°
wh QZT scree
wh pb mic QZT scree

355° 60°
wh mg feld mic QZT, qz vns
80° 336°
wh QZT scree
gy lam SH scree
wh QZT scree
yl-gy lam mic SLT
gy mg QZT
gy mg mic QZT, qz vns, fe st
gy lam SH, qz vns, fe st
yl-gy mic SH
gy lam SH
gy lam SH
gy lam mic SLT inbd qz SST 68° 000°
wh QZT scree
wh QZT scree
pk-wh mg feld mic QZT min qz vns

wh tk bd feld mic QZT, qz vns
wh QZT scree
gr-gy? SLT? si'd
gy lam SH scree
gy-bl fg QZT
multi mg-cg tuff ark
gy tn bd SLT scree
QZT scree
QZT scree
QZT scree
wh mg QZT
QZT scree
QZT scree
wh mg feld mic QZT, min qz vns

78° 350° 32° gy SLT
tuff CGL
yl-gy lam clvd SLT 350° 60° 32° 040°
multi col mg-cg tuff ark
gy SLT scree
gy lam SH & SLT 62° 005°
yl-gy lam SH scree
54° 010°
wh mg feld mic QZT min qz vns

376,200 E

LEGEND

COLOUR
pk - pink
br - brown
bl - blue
gy - grey
rd - red
cr - cream
lt - light
wh - white
bk - black
gr - green
yl - yellow
or - orange
pl - pale
dk - dark

TEXTURE
fg - fine grained
mg - medium grained
cg - coarse grained
bxd - brecciated
clvd - cleaved
shrd - sheared
calc - calcareous
carb - carbonaceous
lam - laminated
xbd - cross bedded
tn bd - thin bedded
tk bd - thick bedded
vn - veins, veining
min - minor
foss - fossiliferous
sil - siliceous
mic - micaceous
ferr - ferruginous
int - intense
wk - weak
v - very
pb - pebble
cb - cobble
tr - trace
in bd - inter bedded
tbcl - tubicolar
frct - fractured
pby - pebbly

ROCK TYPE
SST - sandstone
LST - limestone
BX - breccia
SH - shale
QZT - quartzite
GRIT - grit
PUG - pug
ark - arkose
SLT - siltstone
DLST - dolomite
CGL - conglomerate
BSH - black shale
LIM - ironstone
CLY - clay
GRA - gravel

MINERALOGY or ALTERATION
qz - quartz
gn - galena
lim - limonite
cbd - carbonated
c - calcite
feld - feldspathic
py - pyrite
sp - sphalerite
cp - chalcopyrite
si'd - silicified
tuff - tuffaceous
fe st - Fe staining

ORDER
Colour, Texture, Rock Type, Mineralogy or Alteration, Fossils.
e.g.
dk gy mg foss SST. or pl gy calc SH py. or pl gy LST si'd.
Symbol denoting scree or float.
Symbol denoting outcrop.

1:250000 SHEET

5 cm

SCALE
0 100 200 300 400 500 m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION
Fig. R10

PROJECT: RINADEENA E.L. 31/83

GEOLOGY

(FACT)

Compiled: D.H.	Date: 8-3-'85	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: A1-530-5007

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

42

mline A1 for reports

AI-530-5008

5 332 000mN
5 331 500mN
5331 000mN
5330 500mN
5 330 000mN
378 500mE
378 000mE
377 500mE
377 000mE
376 500mE
376 000mE
375 500mE
KING
CREEK
NEWALL
QUEEN
RIVER
E.L. 47/83
E.L. 31/83
E.L. 9/84
5,331,800N
5,331,400N
5,330,900N
5,330,600N
5,330,200N
58127
58126
58125
58124
58123
58122
58121
58120
58119
58118
58117
58116
58115
58114
58113
58112
58111
58110
58109
58108
58107
58106
58105
58104
58103
58102
58101
61914
61913
61912
61911
61910
61909
61908
61907
61906
61905
61904
61903
61902
61901
BASELINE
376,200 E
RIVER
RINADEENA
SAILOR
ABT
RAILWAY
JACK
(ABANDONED)
CREEK
HALLS
CREEK
FLEABITE
CREEK

1:250000 SHEET

5 cm

SCALE
0 100 200 300 400 500 m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R8

PROJECT: RINADEENA E.L. 31/83

SOIL SAMPLES
LOCATIONS and NUMBERS

Compiled: D.H.	Date: 8-3-'85	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: AI-530-5008

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

143

Trimline A1 for reports

AI-530-5009

5 332 000mN
5 331 500mN
5 331 000mN
5 330 500mN
5 330 000mN
378 500mE
378 000mE
377 500mE
377 000mE
376 500mE
376 000mE
375 500mE
5,331,800N
5,331,400N
5,330,900N
5,330,600N
5,330,200N
KING
CREEK
NEWALL
QUEEN
RIVER
E.L. 47/83
E.L. 31/83
E.L. 9/84
62450
62475
62500
RINADEENA
SAILOR
ABT
RAILWAY
(ABANDONED)
JACK
CREEK
HALLS
FLEABITE

1:250000 SHEET

5 cm

SCALE
0 100 200 300 400 500m

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

Fig. R9

PROJECT: RINADEENA E.L. 31/83

GEOPHYSICS
CONTOURED, HAND SMOOTHED
GROUND MAGNETICS

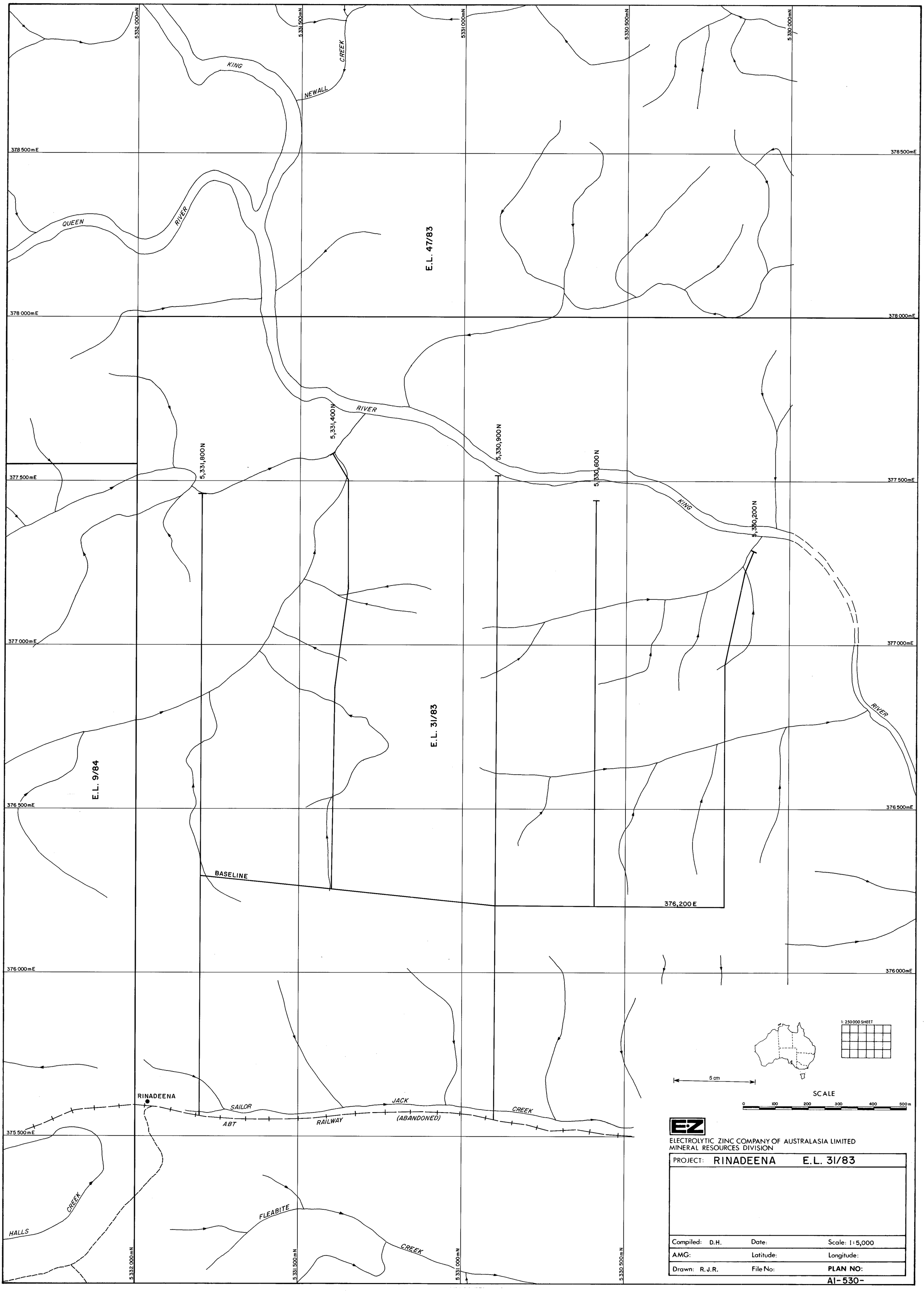
Compiled: D.H.	Date: 7-6-'85	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: AI-530-5009

TCR 94-3611
EL 31/83
E.Z. CO, GEOPEKO
BIRD, CLARK AND NORA RIVERS

Trimline A1 for vertiplan

Trimline A1 for reports

A1-530-



ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PROJECT: RINADEENA E.L. 31/83		
Compiled: D.H.	Date:	Scale: 1:5,000
AMG:	Latitude:	Longitude:
Drawn: R.J.R.	File No:	PLAN NO: A1-530-

E.L. 9/84

E.L. 4/84

E.L.31/83

5 328 000 m N
5 327 000 m N
5 326 000 m N
5 325 000 m N
5 324 000 m N
5 323 000 m N
5 322 000 m N
5 321 000 m N
5 320 000 m N

365 000 m E
369 000 m E
373 000 m E
375 000 m E

KINGFISHER CREEK
FOUR MILE CREEK
KING RIVER
CUTTER CREEK
LOWER LANDING CREEK
HORSE PASTURE CREEK
SWIFT RIVER
GRAVELLY CREEK
PINE CREEK
COVE CREEK
Helipad
tracks
approximate
pipeline
dump
station
conveyor
tracks

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.
PROJECT: SWIFT CREEK EL 31/83 ,TAS.

5 cm

Scale: 1:10000	Survey: I. MAT.	Revised:
Reference: H.E.C.	Date:	Ref. No.
Drawn: R.J.R.	Checked:	

TCS 94-3611
EL 31/83
SWIFT CREEK
R.J. CLARK AND NORA RIVERS

EL 9/66

EL 48/83
or
EL 52/83

EL 30/83

EL 31/83

FRANKLIN- LOWER GORDON

WILD RIVERS

NATIONAL

PARK

KELLY

BASIN

CRATER

RIVER

ROAD

TRACK

CRATER

BASIN

KELLY RIVER

FRANKLIN

CLARK

RIVER

CLARK

RIVER

GORDON

BIRD

NORA

ROAD

RIVER

HAZEL

CREEK

KELLY

(RAILWAY ABANDONED)

BIRD

BASIN

RIVER

SPENCE

RIVER

ROAD

380 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE
389 000mE

5 315 000mN
5 314 000mN
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN

TCR 94-13611
EL 31/83
CLARK AND NORA RIVERS
BIRD

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: NORA RIVER EL 31/83 ,TAS.

5 cm

Scale: 1:10 000	Survey: I. MAT.	Revised:	
Reference: H.E.C.	Date:	Ref. No.	
Drawn: R.J.R.	Checked:		

377 000mE
378 000mE
379 000mE
380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE

5 316 000mN
5 315 000mN
5 314 000mN
5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN

E.L. 31/83

E.L. 31/83

RIVER

RIVER

BASIN

ROAD

CREEK

CLARK

KELLY

ROAD

HAZEL

ROAD

walking track
(approx. position)

helipad

forestry track
(approx. position)

MACQUARIE
HARBOUR

KELLY BASIN

ABANDONED RAILWAY

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: CLARK RIVER, E.L. 31/83 ,TAS.

5 cm

Scale: 1:10,000	Survey: I.MAT.	Revised:
Reference:	Date:	Ref. No. AO-530-
Drawn: R.J.R.	Checked:	

TCR 94-3611
EL 31/83
(100-200)
BIRD, CLARK AND KELLY RIVERS

380 000mE
381 000mE
382 000mE
383 000mE
384 000mE
385 000mE
386 000mE
387 000mE
388 000mE

5 313 000mN
5 312 000mN
5 311 000mN
5 310 000mN
5 309 000mN
5 308 000mN
5 307 000mN
5 306 000mN

RIVER
CLARK
E.L. 31/83
BIRD
RIVER
BASIN
RIVER
ROAD
KELLY
RIVER
FRANKLIN
FRANKLIN – LOWER GORDON
WILD RIVERS
NATIONAL PARK
RIVER
ROAD
E.L. 30/83
CREEK
HAZEL
ABANDONED
RAILWAY
KELLY
BASIN
ST. LEGER POINT
MACQUARIE
HARBOUR
BRISBANES BAY
SPENCE
RIVER

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: BIRD RIVER, E.L. 31/83 ,TAS.

5 cm

Scale: 1:10,000	Survey: I. MAT.	Revised:
Reference:	Date:	Ref. No.
Drawn: R.J.R.	Checked:	AO-530-

TCR 94-3611
EL 31/83
R.Z. CLARK AND NORSA RIVERS

E.L. 10/84

E.L. 9/66

EL 4/84

E.L. 31/83

MACQUARIE HARBOUR

FARM COVE

KELLY BASIN

BRISBANES BAY

PINE POINT

ST. LEGER POINT

PICNIC POINT

CLARK RIVER

HAZEL CREEK

BIRD RIVER

NORA ROAD

(RAILWAY ABANDONED) KELLY BIRD RIVER

KELLY BASIN

5 314 000 mN

5 313 000 mN

5 312 000 mN

5 311 000 mN

5 310 000 mN

5 309 000 mN

5 308 000 mN

5 307 000 mN

5 306 000 mN

376 000 mE

377 000 mE

378 000 mE

379 000 mE

380 000 mE

381 000 mE

382 000 mE

383 000 mE

384 000 mE

ELECTOLYTIC ZINC CO. OF A'ASIA LTD.

PROJECT: HAZEL CREEK EL 31/83 ,TAS.

5 cm

Scale: 1:10 000	Survey: I.MAT.	Revised:
Reference: H.E.C.	Date:	Ref. No.
Drawn: R.J.R.	Checked:	

TCR 94-3611
E.Z. CO. TASMANIA
HAZEL CREEK
BIRD, CLARK AND NORA RIVERS