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| D of M | A.O. | C.G. | E.O. | U.S. |
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| | DEPT. OF MINES | | | E & IL |
| REF. No. | 8112/84 | | | |

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
MINERAL RESOURCES DIVISION

PART OF EXPLORATION LICENCE 30/83 "GOVERNOR"

NELSON RIVER AREA

PROGRESS REPORT ON EXPLORATION ACTIVITY

1ST OCTOBER, 1983 TO 30TH MARCH, 1984.

E.Z. REPORT NO. T 188

I.J. MATHISON,
JULY, 1984.

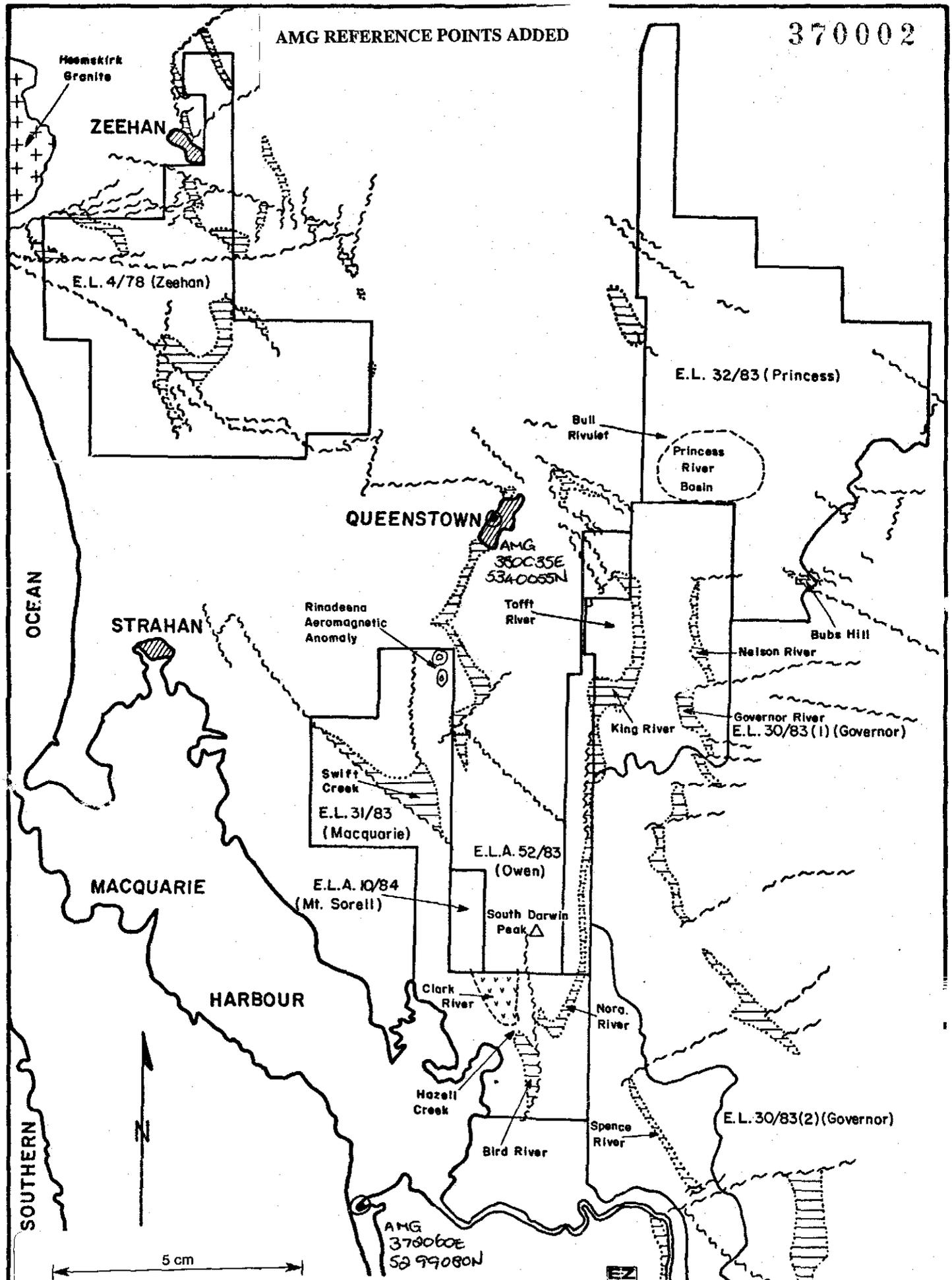
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AMG REFERENCE POINTS ADDED

370002



| | | |
|--------------------------------|--------|---------|
| PROJECT: GORDON LIMESTONE J.V. | | |
| LOCATIONS | | |
| Compiled: S.T. | Date: | PLAN NO |
| Drawn: R.J.R. | Scale: | Fig. |

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1. INTRODUCTION

1.1. Location and Access

The Nelson River area covers a thin north-south strip of limestone outcropping along the Nelson River. The area is 15km southeast of Queenstown Airport. Access to the area is by helicopter.

1.2. Published Geology

On the Queenstown 1:250,000 Geological Sheet a 300-500m wide belt of Gordon Limestone extends from 2km south of the Lyell Highway, south along the Nelson River valley and then along tributary valleys to the Governor River. Along the Governor River the limestone is offset 2km westwards along a W.S.W. trending fault. Rocks in the area dip west. The limestones are underlain by quartz sandstone and siliceous conglomerate of the Owen Conglomerate and overlain by quartz sandstone and siltstone of the Crotty Quartzite.

1.3. Previous Exploration

There are no reports of previous work in the area. No old workings or base metal mineral occurrences are known.

2. E.Z. EXPLORATION - OCTOBER, 1983 - MARCH, 1984

2.1. Work Completed

In January, 1984 an E.Z. field crew of two geologists and two field assistants spent one day in the Nelson River valley. Two areas were visited and 33 rock samples and one stream sediment sample were collected. The drainage pattern developed in the areas visited was not suitable for reconnaissance stream sediment sampling.

Rock samples and stream sediment samples were analysed for Cu, Pb, Zn, Ag, Fe, Mn and Ba by Analabs in Burnie. A.A.S. techniques were used for all elements.

2.2. Results Received2.2.1. STREAM SEDIMENT GEOCHEMISTRY

Results of analysis of the stream sediment sample are listed below.

| Sample No. | Cu | Pb | Zn | Ag | Fe | Mn | Ba |
|------------|----|----|----|-----|------|-----|----|
| 60078 | 10 | 75 | 50 | 0.5 | 4650 | 355 | 30 |

In comparison with stream sediment samples from similar areas, the lead value above is slightly elevated. The stream sampled drains an area of Crotty Quartzite and, possibly, the top of the Gordon Limestone sequence. A dolerite dyke outcrops at the sample site.

2.2.2. ROCK SAMPLE GEOCHEMISTRY (See Fig's N1, 2 & 3 and Appendix)

Results of analyses of rock samples are listed in the Appendix and summarised below.

n = 33

| Element | Range | Mean | ?Anomalous |
|---------|--------------|-------|------------|
| Cu | 5 - 50 | 10 | - |
| Pb | 5 - 40 | 5 | - |
| Zn | 15 - 80 | 25 | - |
| Ag | 0.5 | - | - |
| Fe | 0.15 - 3.05% | 0.75% | - |
| Mn | 35 - 1650 | 440 | - |
| Ba | 10 - 466 | 80 | - |

These values do not appear at all anomalous.

2.2.3. GEOLOGY (See Fig. N5 and Appendix)

Geological data were collected from rock sample locations. The carbonate rocks sampled were typical, partially dolomitised, quiet water limestones and few fossils were observed. Bedding was usually not obvious.

Where developed, dips between 40° and 60° to the west were measured.

Deformation features developed included a steep dipping cleavage and frequent boudins of dolomitic or muddy limestone within micritic limestones.

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In thin section the rocks were described as dolomitised or partially dolomitised, laminated, microcrystalline limestones. Laminae consisted of thin lenticular or laminar beds of weakly carbonaceous and purer, more dolomitised limestone. Few fossils were noted but faecal pellets and bioturbation were described. Although very fine syngenetic pyrite was common, no indications of mineralisation were detected.

3. DISCUSSION AND CONCLUSIONS

Although only one day's field work was completed, rock chip sampling in the two areas spans the whole limestone sequence. No indications of mineralisation were detected. No further field work is recommended for this area.

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Central Mineralogical Services



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The Supervising Geologist
Mineral Resources Division
Electrolytic Zinc Co. of
Australasia Ltd.
West Coast Mines
P.O. Box 21
ROSEBERY / TAS. 7470

| | | | |
|--------------|-------|--------|--------|
| GEN | PLANT | MINING | INDUST |
| - 3 MAY 1984 | | | |
| MET | ENG | GEOL | |

1st May, 1984

REPORT CMS 84/3/18

| | |
|-----------------|------------------|
| YOUR REFERENCE: | Order No. 900514 |
| DATE RECEIVED: | 8th March, 1984 |
| SAMPLE NOS.: | 13 Samples |
| SUBMITTED BY: | I.J. Mathison |
| WORK REQUESTED: | Petrology |

H.W. Fander

H.W. Fander, M. Sc.

REPORT CMS 84/3/18

Thirteen rock samples, largely representative of Gordon Limestone, were received for petrological examination. Representative thin-sections were prepared, examined in transmitted light and, together with their respective carbonate-stained offcuts, in oblique incident light. Attached tabulated descriptions summarise the microscopic data and include interpretative comments.

Summary

With the exceptions of samples 60187 and 60272 this suite comprises entirely variably dolomitised impure limestones with typical "Gordon Limestone-type" characteristics. These rocks are more or less pervasively carbonaceous, weakly pyritic and are weakly but variably argillaceous. The limestones are "massive" types, typically microcrystalline, laminated and incipiently shale-parted. Bedding is variously planar to lenticular and locally slumped. With minor exceptions these rocks are non-fossiliferous, and may be interpreted as representative of a reef-distal, relatively deep water facies.

Dolomitisation is variably developed and, as is typical of Gordon Limestone, is characterised by development of fine sparry ankeritic dolomite. Partly dolomitised rocks may exhibit selective alteration of relatively "pure" (weakly or non-carbonaceous, but often slightly quartzose silty) limestone interbeds suggesting subtle permeability contrasts as a control. Elsewhere, however, dolomitisation appears to be non- or at best semi-selective and, although generally bedding-controlled, exhibits an indifferent relationship to relatively pure or impure interbeds.

A few limestones exhibit an early diagenetic phase of calcite-veining. Similarly, late and rather incipient sideritic carbonation is locally developed. The generalised alteration pattern, developed in this suite as a whole, may be summarised as: (early diagenetic) calcite veining/dolomitisation/weak calcite veining/stylolitisation and late sideritic carbonation broadly contemporaneous with mild shearing. Limestones, in general, are unmineralised apart from traces of weakly recrystallized syngenetic pyrite. The minor disseminations of "primary" pale sphalerite, noted in several previously examined clastic and/or algal pelletal limestones, are absent and this tends to enhance the correlation between primary base metal sulphides and clastic or algal limestone facies.

The suite includes two clastic rocks, a dolomitic calc-pelite from the Bell Shale and an impure orthoquartzite presumed to represent a minor facies of Gordon Limestone. The orthoquartzite carries notable amounts of sub- to rounded detrital chromite with a characteristic dark red translucency typical of a Serpentine-Hill-type Cambrian ultramafic source. Similar concentrations of detrital chromite are known to occur in basalt clastic Gordon Limestone facies and, dependant on field relationships and continuity, this unit could represent a useful marker horizon.

D. Cowan, B. Sc.

| Sample No. | Classification - Composition | Fabric | Accessories | Comments |
|------------|---|---|---|--|
| 60068 | <u>Dolomitic Limestone</u> . Microcrystalline to semi-porcellaneous calcite with stainings, minor films of carbonaceous matter. Interspersed lenses of extensively dolomitised, relatively pure (non-carbonaceous) limestone. | Lenticularly banded on sub- to millimetric scale; incipiently carbonaceous, shale-parted. Weakly sheared. | Traces fine to ultrafine syngenetic pyrite. Minor sheared carbonaceous stylolites, calcite veinlets. | Lenticular intercalation of impure and selectively dolomitised, relatively pure limestone. Non-fossiliferous; "massive" characteristics. |
| 60073 | <u>Dolomitic Limestone</u> . Microcrystalline, weakly carbonaceous limestone with interlamination, lenses of dolomitic, non-carbonaceous limestone (analogous to 60068). | Analogous to 60068, but relatively finely laminated. Concordantly sheared, with weakly boudinaged dolomitic | Traces corroded silt-sized clastic quartz in dolomitic limestone bands, lenses. Minor traces syngenetic pyrite. | Close affinities with 60068; similarly differentially dolomitised. The dolomite is ankeritic, locally partly degraded and limonitic. |
| 60080 | <u>Dolomitic Limestone</u> . Microcrystalline, locally dolomitic, weakly carbonaceous limestone with sporadic lenses, thin interbeds of variably dolomitic, non-carbonaceous, slightly quartzose silty limestone. Minor boudinaged carbonaceous | Planar to lenticularly, sub- to millimetric laminated. Weakly concordantly sheared. shaly partings. | Traces fine to ultrafine syngenetic pyrite. | Close affinities with 60068, 60073 in terms of primary features. In contrast this rock exhibits only semi-selective partial dolomitisation of relatively pure limestone bands. |
| 60084 | <u>Dolomitic Limestone</u> . Microcrystalline to semi-porcellaneous calcite with more or less pervasive fine sparry dolomite-ankerite, carbonaceous matter. Zones of weakly argillaceous, relatively carbonaceous limestone. | Vaguely breccia-like, with a discordant zone of impure (shaly) limestone. Weakly sheared. | Minor (bryozoan, ?algal) microfossils. Sporadic boudinaged calcite veinlets. Traces syngenetic pyrite. | Interpreted as a slump-brecciated, weakly fossiliferous impure limestone with a "dyke" of argillaceous limestone. Extensively dolomitised. |
| 60085 | " <u>Dolomite</u> ". Fine sparry dolomite with pervasive intergranular relics, sporadic clots, crude lenses and films of semi-porcellaneous calcite; pervasive ultrafine carbonaceous matter. | Weakly laminated on sub- to fine millimetric scale. Weakly stylolitic; incipiently sheared. | Traces syngenetic pyrite, fine silt-sized, marginally corroded clastic quartz. | Extensively dolomitised, weakly laminated impure limestone; typical "massive" characteristics, non-fossiliferous. |
| 60176 | " <u>Dolomite</u> ". Fine sparry dolomite with pervasive intergranular relics of semi-porcellaneous calcite. Sporadic contorted lenses, rafts of dolomitic quartzose/micaceous silty shale/argillaceous siltstone. Pervasive carbonaceous matter. | "Soft-pebble conglomeratic" (slump-brecciated). Incipiently sheared. | Relatively conspicuous syngenetic pyrite (concentrated in pelitic zones). Traces sideritic carbonate. | Dolomitised impure limestone with contorted to slump-raftered siltstone/silty shale partings. Reflects incipient post-dolomite sideritic alteration. |

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| Sample no. | Classification - Composition | Fabric | Accessories | Comments |
|-----------------------|--|---|---|---|
| 60272 | <u>Sericitic Orthoquartzite</u> . Framework of angular to subround, silt- to medium-sand-sized quartz grains, minor chert clasts. Sericite matrix. Sporadic partings, intraclasts of sericitic quartzose silty to sandy shale. | Slump breccia-like with segmented to rafted shale interbeds. Incipiently sheared. | Conspicuous detrital chromite, traces detrital schorl, zircon, dolomitic, feldspar, carbonaceous matter, syngenetic pyrite. | Slump-brecciated, shale-parted orthoquartzite; non-calcareous (and non-dolomitic), but weakly carbonaceous and pyritic. Detrital chromite is rounded (distal source). |
| 60275 | <u>Dolomitic Limestone</u> . Semi-porcellaneous to microcrystalline calcite, strongly stained with carbonaceous matter; interspersed irregular zones of extensively dolomitised, relatively pure microcrystalline limestone. Minor calcite veinlets. | Massive to variably intraclastic with ovoid to irregular, sub- to millimetric clasts. | Relatively conspicuous fine "syngenetic" pyrite, sporadic carbonaceous stylolites. Traces silty quartz, vein dolomite. | Slump-brecciated or bioturbated limestone with selective dolomitisation of relatively pure limestone intraclasts analogous to 60068 etc. Mildly stressed. |
| 60281 | <u>Dolomitic Limestone</u> . Microcrystalline carbonaceous limestone with sporadic thin lenses of relatively weakly carbonaceous limestone. Thinly disseminated to locally conspicuous ankeritic dolomite rhombs. | Weakly lenticularly laminated, massive to weakly shale-parted and slumped. | Sporadic calcite veinlets and carbonaceous stylolites. Traces syngenetic pyrite; minor clots siderite. | Incipiently dolomitised impure microcrystalline limestone. Alteration sequence is dolomite/calcite veinlets stylolitisation/partial sideritisation of dolomite. |
| 60282 (T.S. 49168) | <u>Dolomite</u> . Fine sparry dolomite with intergranular relics, sporadic dolomite-stained relict bands of carbonaceous, microcrystalline limestone; minor carbonaceous, argillaceous partings. | Lenticularly banded on millimetric scale; locally slumped. Weakly sheared. | Traces syngenetic pyrite, fine silt-sized quartz, rare silt-sized clastic muscovite flakes. | Extensively dolomitised impure limestone. The fabric is analogous to 60281. Dolomitisation is semi-selective, replacing relatively pure limestone zones. |
| | | | | |
| | | | | |
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ROCK SAMPLE LEDGER

| Sample Number | A-M-G Co-ordinates (local) | | Sample Type | Geological Description | Rock-type (Macroscopic) | Thin or Polished Section | | | Metal Content (p.p.m. unless specified) | | | | | | | | |
|---------------|----------------------------|---|-------------|--|-------------------------|--------------------------|--------|-----------|---|----|----|----|----|----|------|------|-----|
| | N | E | | | | T or P | By | Reference | Rock-type (Microscopic) | Cu | Pb | Zn | Ag | Fe | Mn | Ba | |
| 60079 | | | Rk | Interbedded muddy dark gray Limestone and gray fine grained LST | LST | | | | | | 10 | 5 | 30 | X | 130% | 260 | 171 |
| 60080 | | | " | Muddy Limestone and fine grained Gray Limestone | LST | T | Common | CMS | dol silty LST | | 5 | 5 | 20 | X | 6300 | 275 | 17 |
| 60081 | | | " | Gray medium grained Dolomite - minor carbonate cementing | DLST | | | | | | 10 | 5 | 20 | X | 7550 | 145 | 73 |
| 60082 | | | " | Gray fine grained muddy Limestone | LST | | | | | | 10 | 10 | 20 | X | 7250 | 110 | 69 |
| 60083 | | | " | Dark gray micritic Limestone | LST | | | | | | 10 | 5 | 20 | X | 5500 | 245 | 32 |
| 60084 | | | " | Dark gray Limestone ? debris flow breccia | LST | T | " | " | dol LST slump BX. | | 10 | 10 | 20 | X | 9850 | 515 | 74 |
| 60085 | | | " | Laminated gray medium grained Dolomite | DLST | T | " | " | DLST-lam. | | 10 | 5 | 20 | X | 8200 | 420 | 52 |
| 60274 | | | " | Gray fine grained silicified Limestone - calcite cementing | LST | | | | | | 5 | 10 | 65 | X | 4800 | 545 | 92 |
| 60275 | | | " | Gray fine grained silicified Limestone | LST | T | " | " | dol LST on pellets | | 5 | 5 | 20 | X | 2550 | 140 | X |
| 60276 | | | " | Dark gray fine grained Limestone with pyrite | LST | | | | | | 5 | 5 | 20 | X | 3000 | 240 | 10 |
| 60277 | | | " | Gray medium grained dolomitized Limestone with dol vng | LST | | | | | | 10 | X | 20 | X | 120% | 1150 | 39 |
| 60278 | | | " | Dark gray fine grained silicified Limestone with pyrite | LST | | | | | | 10 | X | 25 | X | 3850 | 290 | 36 |
| 60279 | | | " | Dark gray fine grained silicified Limestone, minor calcite cementing | LST | | | | | | 5 | 5 | 20 | X | 3750 | 540 | 11 |
| 60280 | | | " | Dark gray fine grained silicified Limestone, minor calc vng | LST | | | | | | 10 | 20 | 75 | X | 8450 | 1150 | 43 |
| 60281 | | | " | Dark gray fine grained silicified Limestone, minor cementing | LST | T | " | " | dol LST mx lam. | | 10 | 5 | 15 | X | 3050 | 360 | 22 |

Electrolytic Zinc Co. of A Asia Ltd.
Rosebery, Tas.

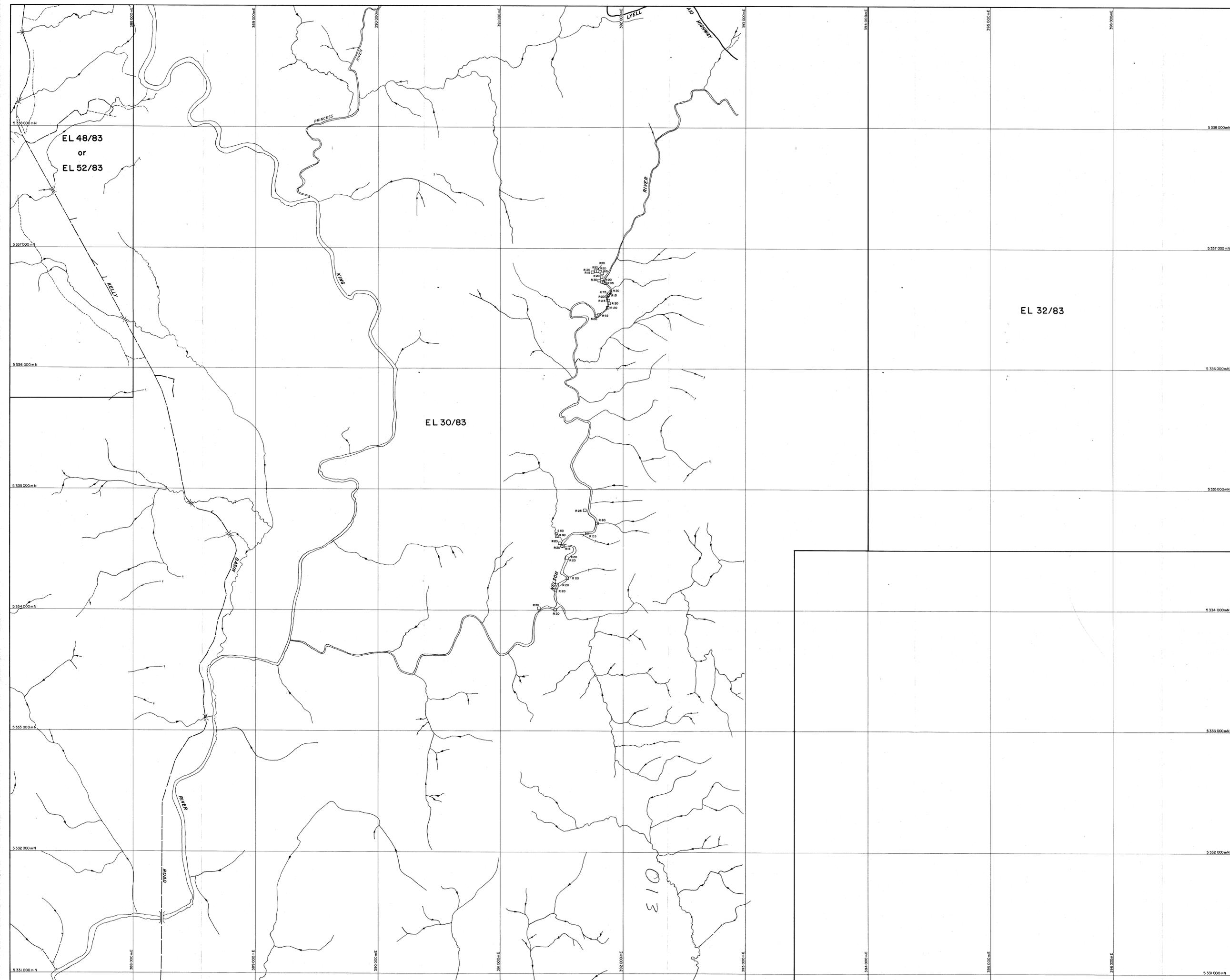
ROCK SAMPLE LEDGER

PROJECT: ON STON LOC: NE R: 1
COLLECTED BY: MAT, S.T. DATE: Jan, Feb 1984

| Sample Number | A.M.G. Co-ordinates 1950 | | Sample Type | Geological Description | Rock-type (Macroscopic) | Thin or Polished Section | | | Metal Content (p.p.m. unless specified) | | | | | | | | |
|---------------|-----------------------------|---|-------------|--|----------------------------|--------------------------|--------|----------------|---|----|----|----|----|----|-------|------|-----|
| | N | E | | | | T or P | By | Reference | Rock-type (Microscopic) | Cu | Pb | Zn | Ag | Cd | Mn | Ba | |
| 60063 | | | Rk | Nodular grey LIMESTONE | LST | | | | | | 10 | 15 | 35 | X | 7050 | 695 | 81 |
| 60064 | | | " | Black micritic LIMESTONE | LST | | | | | | 5 | 5 | 20 | X | 2750 | 155 | 14 |
| 60065 | | | " | Grey laminated LIMESTONE | LST | | | | | | | | | | | | |
| 60066 | | | " | Dark grey fine grained LIMESTONE | LST | | | | | | 5 | 5 | 20 | X | 3000 | 370 | 29 |
| 60067 | | | " | Dark grey fine grained LIMESTONE | LST | | | | | | 5 | 5 | 20 | X | 1450 | 160 | 15 |
| 60068 | | | " | Dark grey fine grained LIMESTONE, minor carbonate veining | LST | T | Common | CMS 84/3/18 | del LST | | 5 | 10 | 15 | X | 4750 | 460 | 10 |
| 60069 | | | " | Dark grey fine grained muddy LIMESTONE, trace pyrite | LST | | | | | | 5 | 5 | 20 | X | 7750 | 335 | 56 |
| 60070 | | | " | Dark grey nodular muddy LIMESTONE stylotitic & shaly | LST | | | | | | 5 | X | 20 | X | 4300 | 255 | 19 |
| 60071 | | | " | Partially dolomitized muddy micritic LIMESTONE | LST | | | | | | 5 | 5 | 20 | X | 1.20% | 745 | 65 |
| 60072 | | | " | LIMESTONE with carbonate veins and trace pyrite | LST | | | | | | 5 | X | 20 | X | 1.20% | 950 | 33 |
| 60073 | | | " | Grey to black laminated fine grained LIMESTONE | LST | T | | | del LST 10mm | | 5 | 5 | 15 | X | 3450 | 630 | 10 |
| 60074 | | | " | Thin bedded coralline LIMESTONE | LST | | | | | | 5 | X | 15 | X | 4900 | 275 | 43 |
| 60075 | | | " | Dark grey muddy LIMESTONE | LST | | | | | | 10 | 10 | 20 | X | 1.60% | 920 | 280 |
| 60076 | | | " | Dark grey muddy LIMESTONE with ? gypsum | LST | | | | | | 10 | 40 | 20 | X | 3.05% | 1650 | 423 |
| 60077 | | | " | Dark grey crystalline DOLERITE | i M d. | | | | | | 50 | 10 | 30 | X | 9300 | 740 | 157 |

370012

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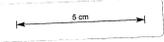


EL 32/83

EL 30/83

EL 48/83
or
EL 52/83

- STREAM SEDIMENT SAMPLE
S 50
- ROCK CHIP SAMPLE
R 30
- X = below 5 ppm
- Note: All results are ppm



370014

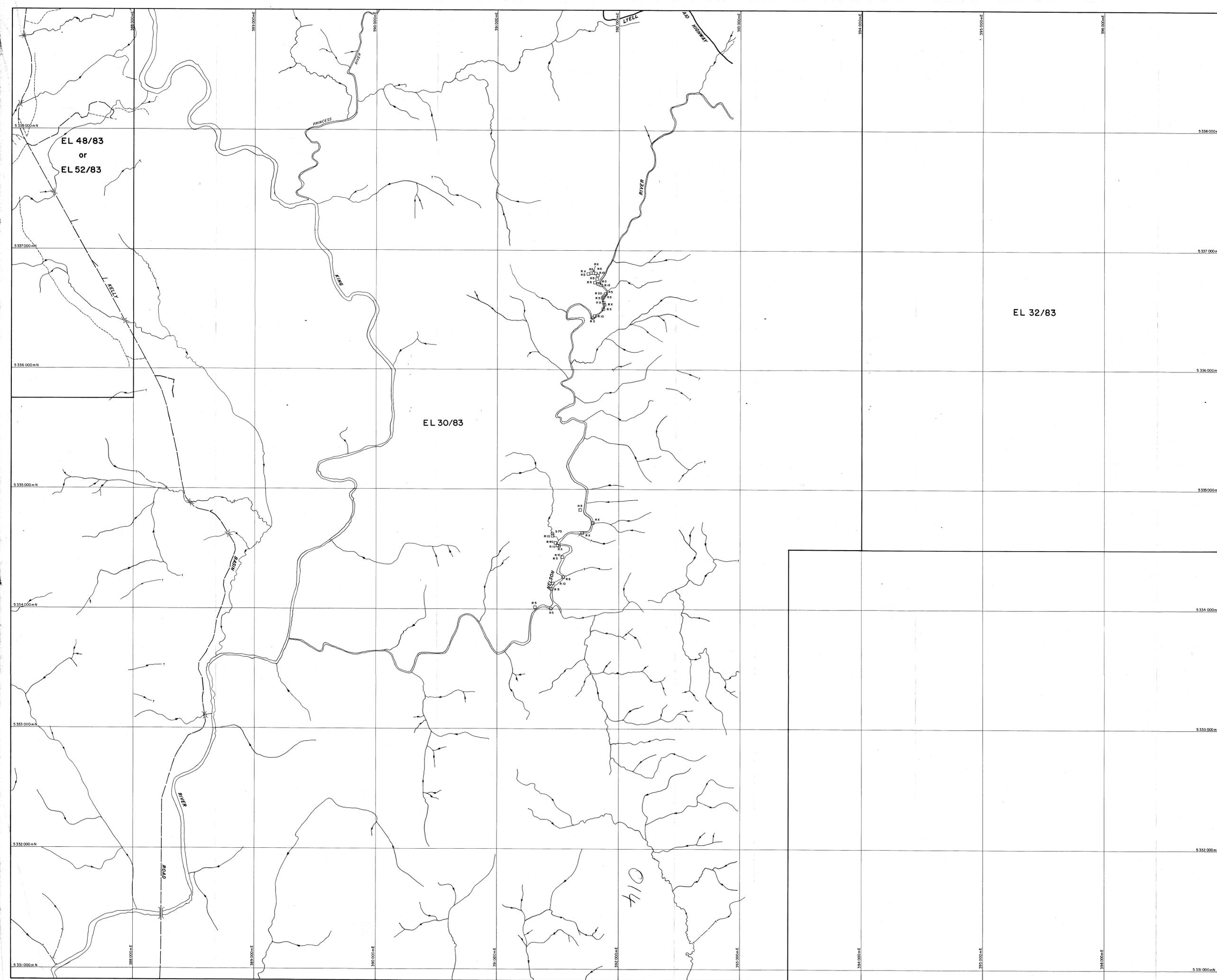
Fig. N 1

ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: NELSON RIVER EL 30/83, TAS.

GEOCHEMISTRY 013

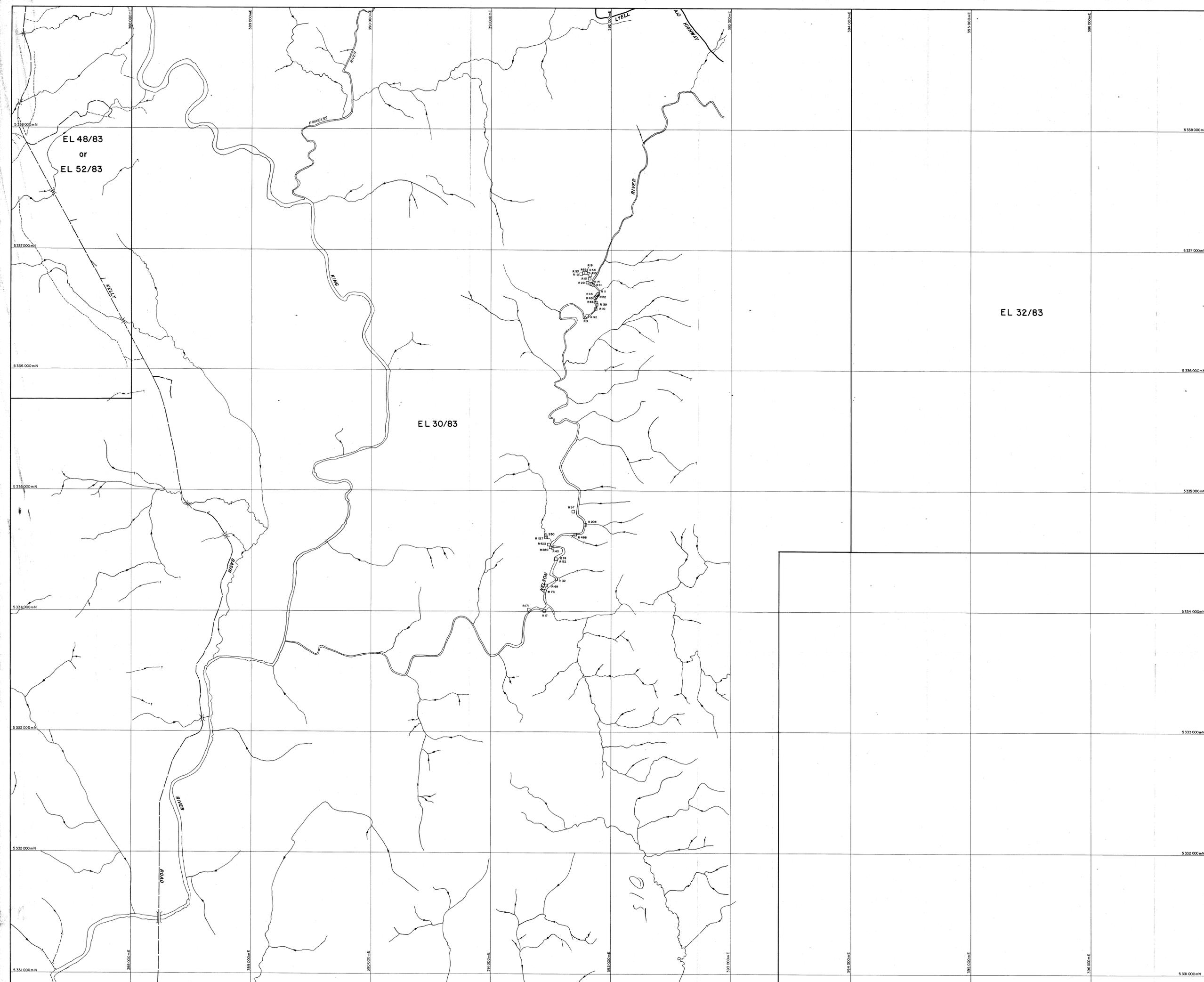
Zn

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| Scale: 1:10000 | Survey: J.M.A.T. | Revised: |
| Reference: H.E.C. | Date: 23-3-84 | Ref. No. |
| Drawn: R.J.R. | Checked: L.W. | AO-529-1001 |



O STREAM SEDIMENT SAMPLE.
 S 75
 □ ROCK CHIP SAMPLE.
 R 10
 X = below 5 ppm
 Note: All results are ppm
 5 cm

| | | |
|-------------------------------------|----------------|-------------|
| Fig. N 2 370015 | | |
| ELECTROLYTIC ZINC CO. OF ASIA LTD. | | |
| PROJECT: NELSON RIVER EL30/83, TAS. | | |
| GEOCHEMISTRY | | 014 |
| Pb | | 31-2189 |
| 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-529-1002 |

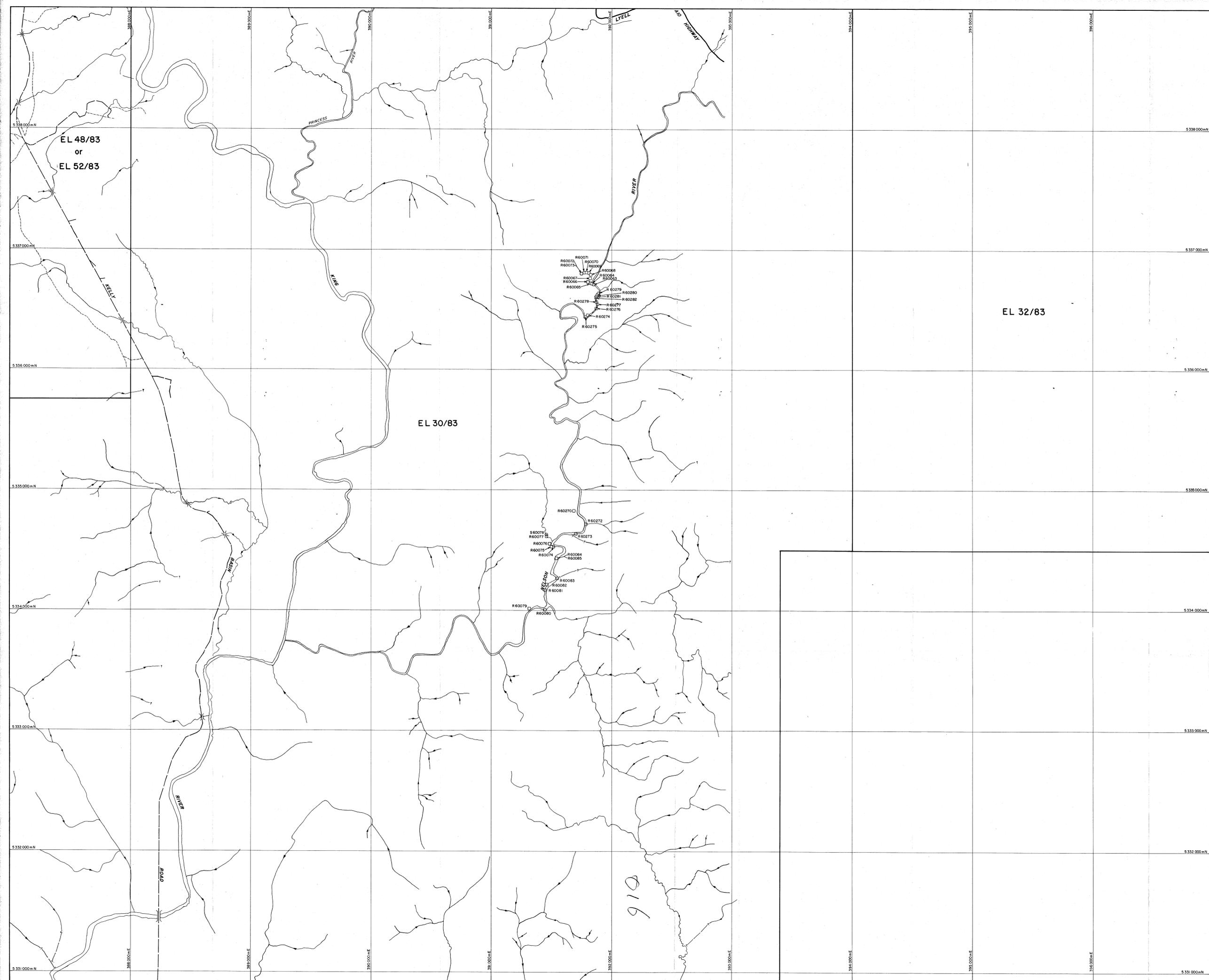


○ STREAM SEDIMENT SAMPLE.
 S 30
 □ ROCK CHIP SAMPLE.
 R 137
 X = below 10 ppm
 Note: All results are ppm
 5m

Fig. N 3
 370016
ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: NELSON RIVER EL30/83, TAS.

GEOCHEMISTRY 015
Ba

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-529-1003



- STREAM SEDIMENT SAMPLE
SAMPLE No. S 12345
 - PANNELED CONCENTRATE - STREAM SEDIMENT SAMPLE
SAMPLE No. P 67890
 - ROCK CHIP SAMPLE
SAMPLE No. R 34567
- 5 cm

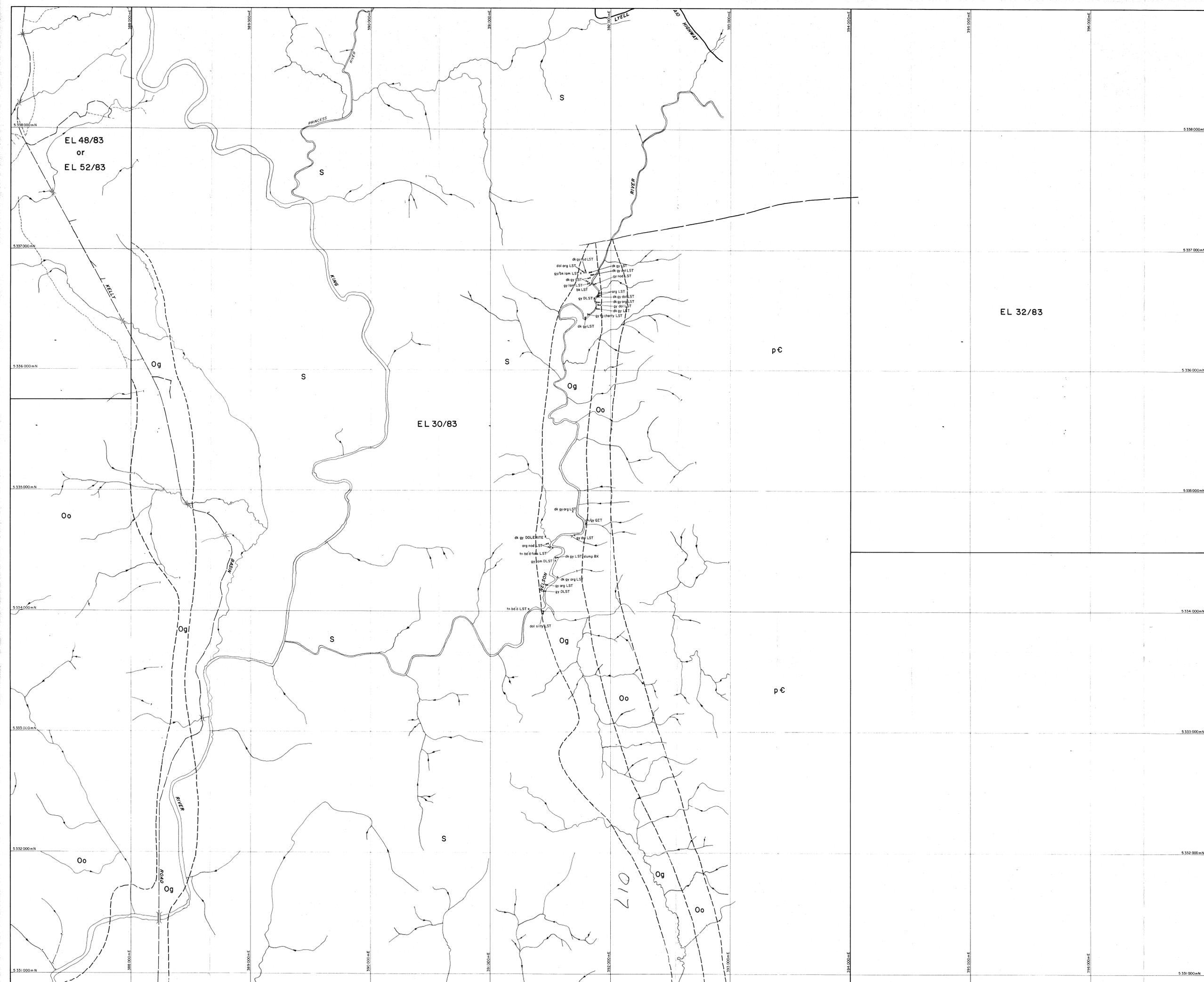
370017
Fig. N 4

ELECTROLYTIC ZINC CO. OF ASIA LTD.
PROJECT: NELSON RIVER EL30/83 ,TAS.

SAMPLE LOCATION 016

NUMBERS and TYPES

| | | |
|-------------------|----------------|------------------|
| Scale: 1:10000 | Survey: 1.MAT. | Revised: 84-2189 |
| Reference: H.E.C. | Date: 23-2-'84 | Ref. No. |
| Drawn: R.J.R. | Checked: L.W. | AO-529-1000 |



LEGEND

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

| | |
|----------------------|---------------------|
| TEXTURE | fos - fossiliferous |
| fg - fine grained | sil - siliceous |
| mg - medium grained | mic - micaceous |
| cg - coarse grained | ferr - ferruginous |
| bd - brecciated | int - intense |
| clv - cleaved | mk - weak |
| shf - sheared | v - very |
| calc - calcareous | pb - pebble |
| carb - carbonaceous | cb - cobble |
| lam - laminated | tr - trace |
| abd - cross bedded | mbd - inter bedded |
| tn bd - thin bedded | tblr - tubular |
| tk bd - thick bedded | frct - fractured |
| vn - veins, veining | |

| | |
|------------------|--------------------|
| ROCK TYPE | SLT - gillstone |
| SST - sandstone | DLST - dolomite |
| LST - limestone | CGC - conglomerate |
| BK - breccia | BSH - black shale |
| SH - shale | LIM - ironstone |
| QZT - quartzite | CLY - clay |
| GRIT - grit | GRA - gravel |
| PUG - pug | |

| | | |
|---------------------------------|-------------------|-------------------|
| MINERALOGY or ALTERATION | qt - quartz | gr - garnet |
| sp - sphalerite | gn - galena | sp - sphalerite |
| lim - limonite | cp - chalcopyrite | cp - chalcopyrite |
| cd - carbonated | sl - silicified | sl - silicified |
| c - calcite | | |

ORDER

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

1 to 6

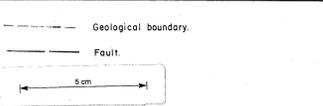
dk gy mg fos SST or gy calc SH gy or pl gy LST sil

TOPOGRAPHICAL

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

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

| | | |
|--------------------|-----------|---|
| SILURIAN | S | Shale, siltstone and quartz sandstone. |
| ORDOVICIAN | Oo | Owen conglomerate, siliceous conglomerate and quartz sandstone. |
| | Og | Gordon limestone, limestone with minor siltstone. |
| PRECAMBRIAN | pC | Franklin metamorphics. |



370018
 Fig. N 5
ELECTROLYTIC ZINC CO. OF ASIA LTD.
 PROJECT: NELSON RIVER EL 30/83, TAS.

GEOLOGY 017
(INTERP.)

| | | |
|-------------------|---------------|-------------|
| Scale: 1:10000 | Survey: 1 MAT | Revised: |
| Reference: H.E.C. | Date: 28-6-84 | Ref. No. |
| Drawn: R.J.R. | Checked: | AO-529-1005 |