

Geological and Ceramic Services Pty. Ltd.

06_5360

21 GROVE STREET,
EDEN HILLS, 5050.
SOUTH AUSTRALIA.

Combined Progress Report: 1 Qtr EL 37/1984, 2 Qtr +
3 Qtr EL 2/1984

Geological and Ceramic Services Proprietary Limited*
Ware, M.D. EL2/1984; EL37/1984

TELEPHONE: (08) 278 7207

14th. January, 1985

The Director
Department of Mines
P.O. Box 56,
Rosny Park,
Tasmania. 7018

Exploration Licences 2/84 and 37/84.

Pioneer Concrete (Tas) Pty. Ltd.

Combined Progress Report: 1st. Quarter, E.L.37/84
2nd. and 3rd. Quarters, E.L.2/84

Area. Forth/Ulverstone, Tasmania.

Investigation and Report by : Michael D. Ware.

06_5360

Combined Progress Report: 1 Qtr EL 37/1984, 2 Qtr +
3 Qtr EL 2/1984
Geological and Ceramic Services Proprietary Limited*
Ware, M.D. EL2/1984; EL37/1984

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Exploration Licences 2/84 and 37/84.

Pioneer Concrete (Tas) Pty. Ltd.

Combined Progress Report.

1st Quarter E.L. 37/84

2nd. and 3rd. Quarters. E.L. 2/84.

1. Location and Interest

Pioneer Concrete holds two adjacent Exploration Licences in the Forth/Ulverstone area of northern Tasmania the location and details of which are shown in figure 1. and hereunder.

| | <u>Granted</u> | <u>Area</u> | <u>Period</u> |
|---------|----------------|-------------|---------------|
| EL2/84 | 30/4/84 | 45Sq.Km. | 12 Months |
| EL37/84 | 1/10/84 | 99Sq.Km. | 12 Months |

Each area is being assessed in relation to its potential as a source of high purity silica.

2. Previous Reporting.

An exploration progress report on activity within EL2/84, as submitted during August 1984, largely covers all of the work undertaken within this area to date as resources of recent months have been concentrated within the adjoining EL37/84.

3. Progress Reports: EL37/84.

Interest within the E.L. has been confined to areas of the Precambrian Forth Metamorphics where outcrop sampling indicated the presence of localized high grade quartzite beds within a sandy mica schist sequence.

One such occurrence, in the immediate vicinity of Forth, generally known as Dunham's Prospect, has been worked for some 20 to 30 years on a small, intermittent, basis to yield high grade quartzite for use as a filler material or for either metallurgical or refractory applications.

The quartzite bed strikes approximately 005° to 030° and dips 50 to 60° to the west. Exposure is along the crest of a wooded ridge over a distance of some 260 metres with the quartzite attaining a maximum thickness where the ridge is at its highest elevation.

Subsurface investigation of this deposit has shown the quartzite to be a leached and secondarily silicified zone within a moderately pure (low mica) quartz sand bed. The highest grade zone extends from surface to a basal contour level, which corresponds with a near horizontal boundary between sand and quartzite and the upper level of moisture saturation and ground water percolation. Thus to the downward limit of silicification the thickness of the quartzite, which appears to have been controlled by a palaeolandform, is now reflected by the elevation of the eroded ridge line.

The quartzite is bounded to the east and west by clays, sands and mica schists with a basaltic soil horizon abutting the western margin. To the north and south the quartzite disappears with decreasing elevation along the ridge reverting to largely unconsolidated sand.

At its maximum the bed is approximately 32 metres (true) thick reducing to around 23 metres near the northern extremity and 20 metres in the south.

The quartzite is variably dense and very hard, or softer and saccharoidal in texture. It is white to cream, or cinnamon brown, in colour.

Maximum vertical depth of quartzite is 13 metres where the ridge is at its highest elevation thinning to around 2 metres near the northern and southern extremities.

Beneath the quartzite the material drills as white or brown (often wet) "sand" with little apparent cementation.

Chemically the quartzite shows little variation within the leached and silicified horizon where the material is free of sodium, calcium and potash. Iron levels are generally less than 0.03% Fe_2O_3 and alumina values range from 0.02% to 0.17% as Al_2O_3 .

Sand near the quartzite/sand contact shows similar chemistry however with depth there is an apparent increase in potash and alumina suggesting the presence of increasing amounts of mica.

The nature of the Dunham Prospect suggests the possibility of similar deposits within the area. Subsequent ground reconnaissance and chip sampling, and reference to the published Devonport Geological Sheet, identified a number of areas worthy of investigation and a drilling programme investigated a number of potential areas. These are identified in figure 2 with chip analyses given in Table 1.

Area 1: Reference. Kindred Sheet 4243

Grid DQ373373. Land Portions 6979 and 6995.

A prominent knob of quartzite which crops out immediately north of the area drilled was investigated by The B.H.P. Co. Ltd. in 1977 in relation to defining a quartzite reserve suitable for ferrosilicon production at Temco. Their investigations proved a small tonnage of relatively pure quartzite within an area now identified as Mineral Lease 941P/M. South of the P/M the quartzite crops out sporadically along a narrow ridge striking approximately 155 and dipping west at 45 to 50 .

Six percussion holes sited along the ridge (Refer figure 3) proved the quartzite to be present only where outcropping and generally less than 4 metres in vertical thickness. In depth the quartzite passes to quartz sands which are variably micaceous.

Sand is again present, in conjunction with red basaltic clay soil in some areas, along the ridge from surface where there is no quartzite outcropping.

Limited analysis of the quartzite (Refer drill hole HP7) indicates a relatively low alumina content considered to reflect the presence of a few percent of mica. In general the quartzite is exceptionally hard, white to cream in colour, is variably schistose or massive and shows evidence of secondary silicification and leaching to varying degrees.

Area 2: Reference. Kindred Sheet 4243
Grid DQ370377. Land Portion 6967.

A intermittent line of quartzite outcrops over a 700 metre strike length (strike 160° to 170°) were investigated by shallow percussion drilling to the north of Area 1 and to the south of Dunham's Prospect.

The quartzite is similar to that encountered in Area 1 and at a number of localities is indistinguishable from the Dunham quartzite. The quartzite is however discontinuous and confined to small remnants the larger of which may be 50 to 100 square metres in area. As in Area 1 the quartzite is thin, ranging from 1 to 4 metres thick beneath outcrop, and is underlain by sands which are commonly micaceous. In the absence of outcrop the section is generally clayey top soil underlain by quartz sands. Massive bedded quartzites outcrop to the west of the area drilled and thick basaltic soils cover cropping land to the adjacent east.

Area 3:Reference. Kindred Sheet 4243
Grid DQ387368 Land Portion 6992 Refer Fig. 4
DQ388366. Land Portion 7004 Refer Fig. 5

The south-eastern extension of a relatively pure quartzite bed within a B.H.P. Co. Ltd. Lease, 942P/M, was investigated by percussion drilling. The bed with an approximate strike of 130° to 150° and 50° westerly dip crops out on the side of two hills, transected by a small creek, over a distance of 400 metres.

Drilling indicated that the quartzite is a relatively thin horizon of secondary silicified and leached material formed within a bed of relatively unconsolidated micaceous quartz sand. The bed is underlain by quartz mica schist.

Due to the limited thickness of the quartzite, which is not anticipated to exceed approximately 5 metres, available tonnages in the area are small. The quartzite is however expected to maintain acceptable purity near the surface and be comparable in properties to the Dunham quartzite.

Area 4: Reference Kindred Sheet 4243
Grid DQ382365 Land Portion 6994

Patches of white to cream massive quartzite occur on a hill immediately south of an old dwelling and outbuildings on the above land portion. The outcrops resemble silcrete and when drilled proved to be a thin cap of pure quartzite underlain by weathered mica schists

Similar occurrences were noted at numerous localities within the Forth district and in particular silcrete caps are exposed at surface and in section at the site of an old graphite mine located to the west of Forth. The graphite was won from graphitic schists worked from an adit driven into the schist beds beneath the silcrete cap.

4. Discussion.

It is recognized that although very pure quartzite bodies are to be found within the E.L. they seldom achieve a substantial size. As a guide it is anticipated that individual areas will each yield some 20000 to 50000 tonnes of quartzite of reasonable purity. The larger of the reserves are confined to Dunham's Prospect and the two B.H.P. Lease areas. The area to the south of Mineral Lease 941P/M has probable reserves of 20000 tonnes to an average depth of 3 to 4 metres and the extension of the beds outside of Mineral Lease 942P/M confine a probable 16000 tonnes of acceptable quartzite.

The potential size of a quartzite body of the type investigated thus far within the area is largely indicated by the nature of the outcrop. Quartzite outcropping with little relief, discontinuous and lacking definable bedding is likely to prove as isolated patches of "silcrete" type quartzite whereas, prominent, well bedded, steeply dipping beds with higher relief may provide moderate tonnages of the order indicated above. Of the latter type all currently delineated within the E.L. have been drilled.

The quartzites investigated to date by drilling are distinct from the more extensive beds of Precambrian quartzite worked throughout the area for building aggregate. These latter quartzites although generally micaceous have in some instances been extensively leached of mica. Burns, 1964, (Geol. Surv. Explanatory Rept. Devonport One Mile Series K/55-6-29 Pg. 214) refers to one such bed of flaggy-bedded quartzite within the area to the north of Goldie Creek.

Sampling in the area has identified a possible leached horizon providing an analysis of 99.79% SiO₂. Further investigation of the area thus appears warranted.

Table 1.

Chemical Analyses. - Chip Samples.

Sample Identification: Refer figure 2.

1. Pearson Quartzite. Forth. Dunham's Prospect.
2. Fulton Creek Quartzite. Area A. Disused workings.
3. Fulton Creek Quartzite. Area B. 350 metres from area A.
4. Flaggy Quartzite. North of Goldie Creek
5. Higher sequence of beds, same area as above. Flaggy quartzite.
6. Quartzite bed in Forth Meta. schists, 3.7 kilometres south of Pearson quartzite at higher stratigraphic level.
7. Porcupine Hill quartzite. Worked as road fill.

| Sample No. | Al ₂ O ₃ | Fe ₂ O ₃ [%] | K ₂ O | Na ₂ O | CaO | SiO ₂ [*] | MgO |
|------------|--------------------------------|---|------------------|-------------------|-------|-------------------------------|-------|
| 1. | 0.04 | 0.01 | 0.01 | 0.01 | <0.01 | 99.92 | <0.01 |
| 2. | 0.06 | 0.04 | 0.03 | 0.01 | <0.01 | 99.85 | <0.01 |
| 3. | 0.02 | 0.01 | 0.01 | 0.01 | <0.01 | 99.94 | <0.01 |
| 4. | 0.64 | 0.11 | 0.22 | 0.01 | <0.01 | 99.01 | <0.01 |
| 5. | 0.10 | 0.05 | 0.04 | 0.01 | <0.01 | 99.79 | <0.01 |
| 6. | 2.10 | 0.24 | 0.53 | 0.07 | <0.01 | 96.94 | 0.11 |
| 7. | 2.50 | 0.37 | 0.98 | 0.04 | <0.01 | 95.91 | 0.19 |

* SiO₂ value determined by difference.

30

40

BASS

50

50

FORTH 1: 100000

E.L. 2/84.
Pioneer Concrete.

PIONEER CONCRETE
(TAS) PTY LTD.
EXPLORATION LICENCE
APPLICATION A1

E.L. 37/84

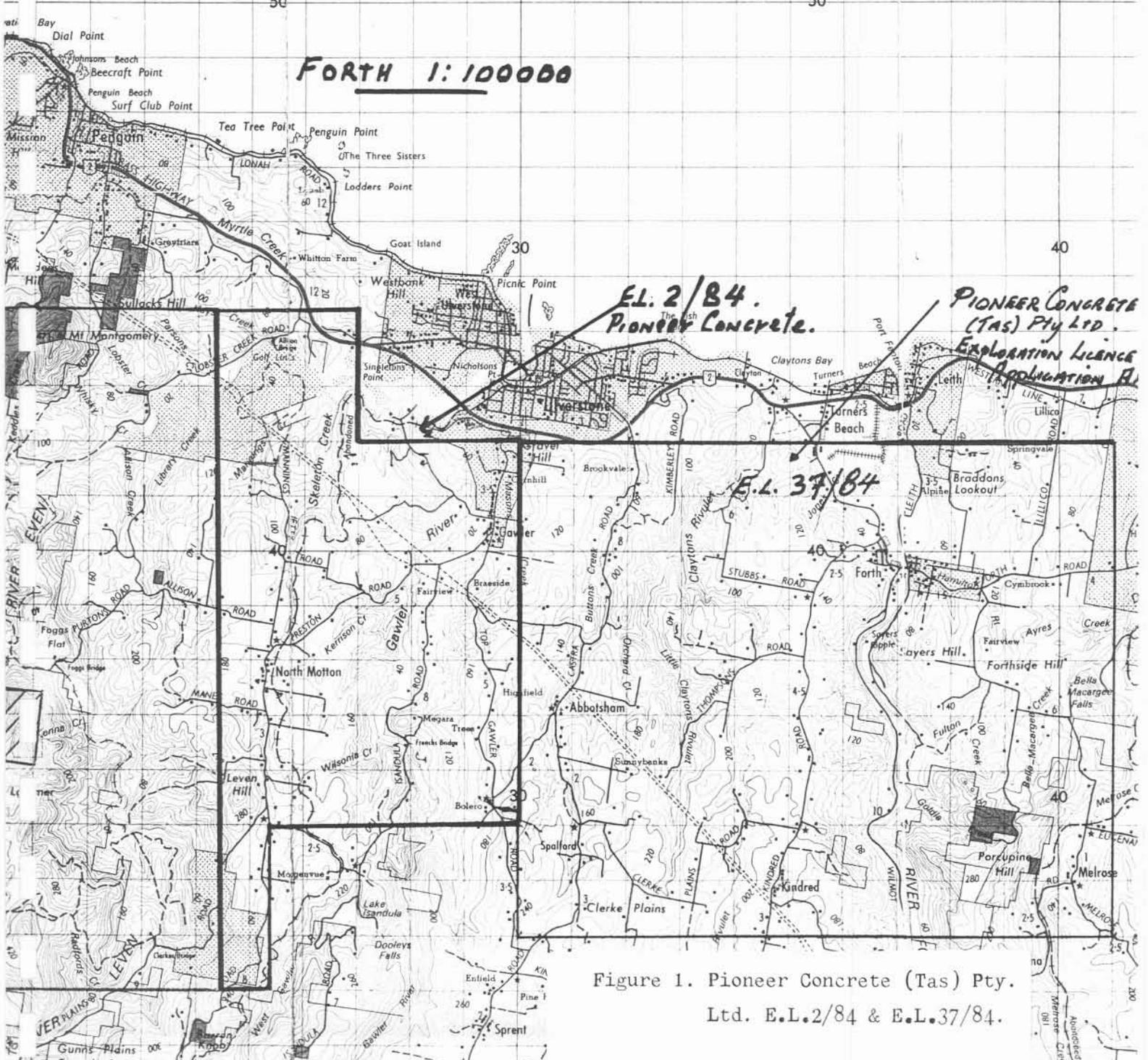


Figure 1. Pioneer Concrete (Tas) Pty. Ltd. E.L.2/84 & E.L.37/84.

Scale 1:25000



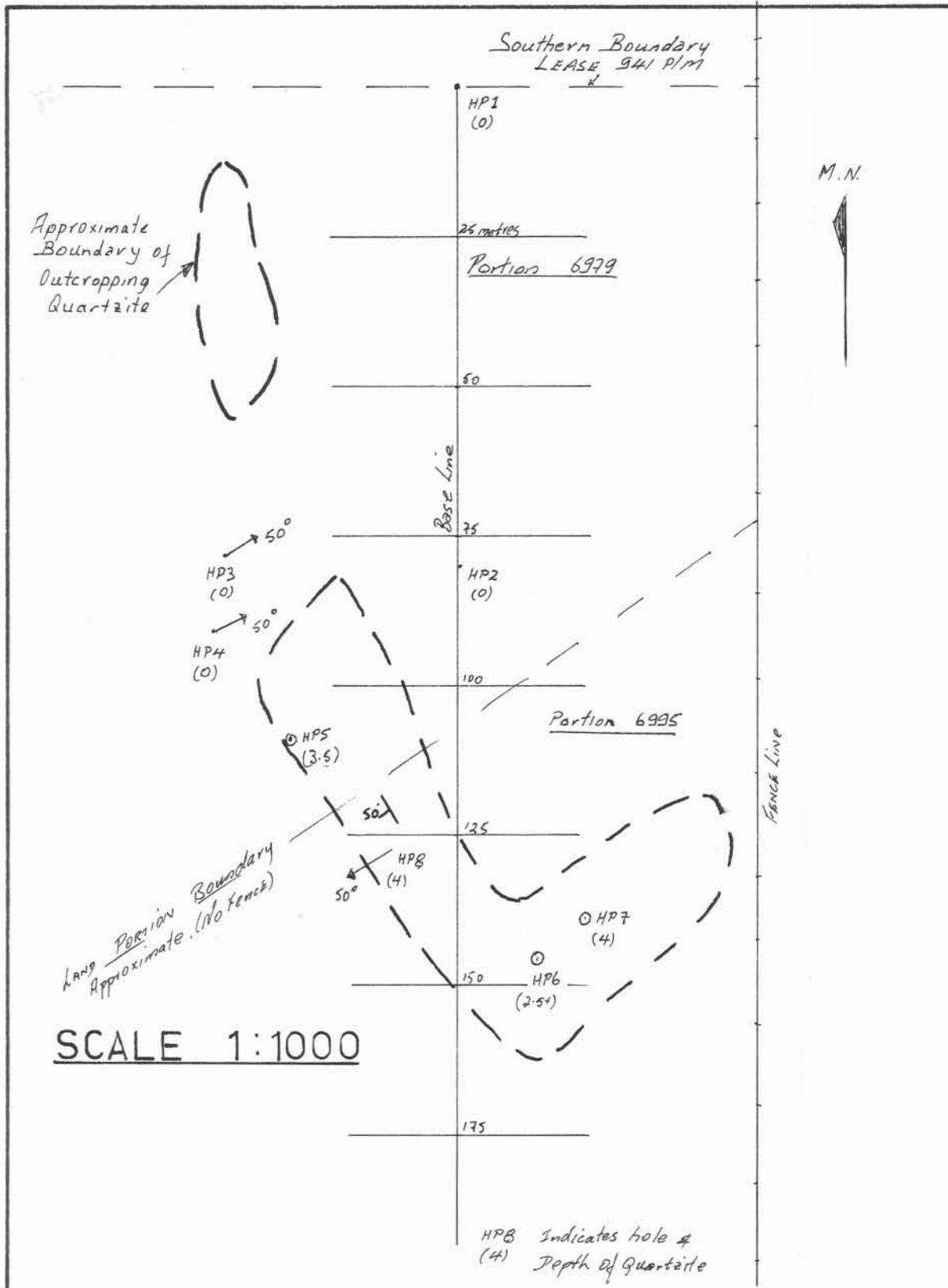


Figure 3. Area 1. Indicating quartzite outcrop and location of drill holes.

Pioneer Concrete (Tas) Pty. Ltd. E.L.37/84

Prepared by, Geological & Ceramic Services Pty. Ltd. Drawn. M.D.W.

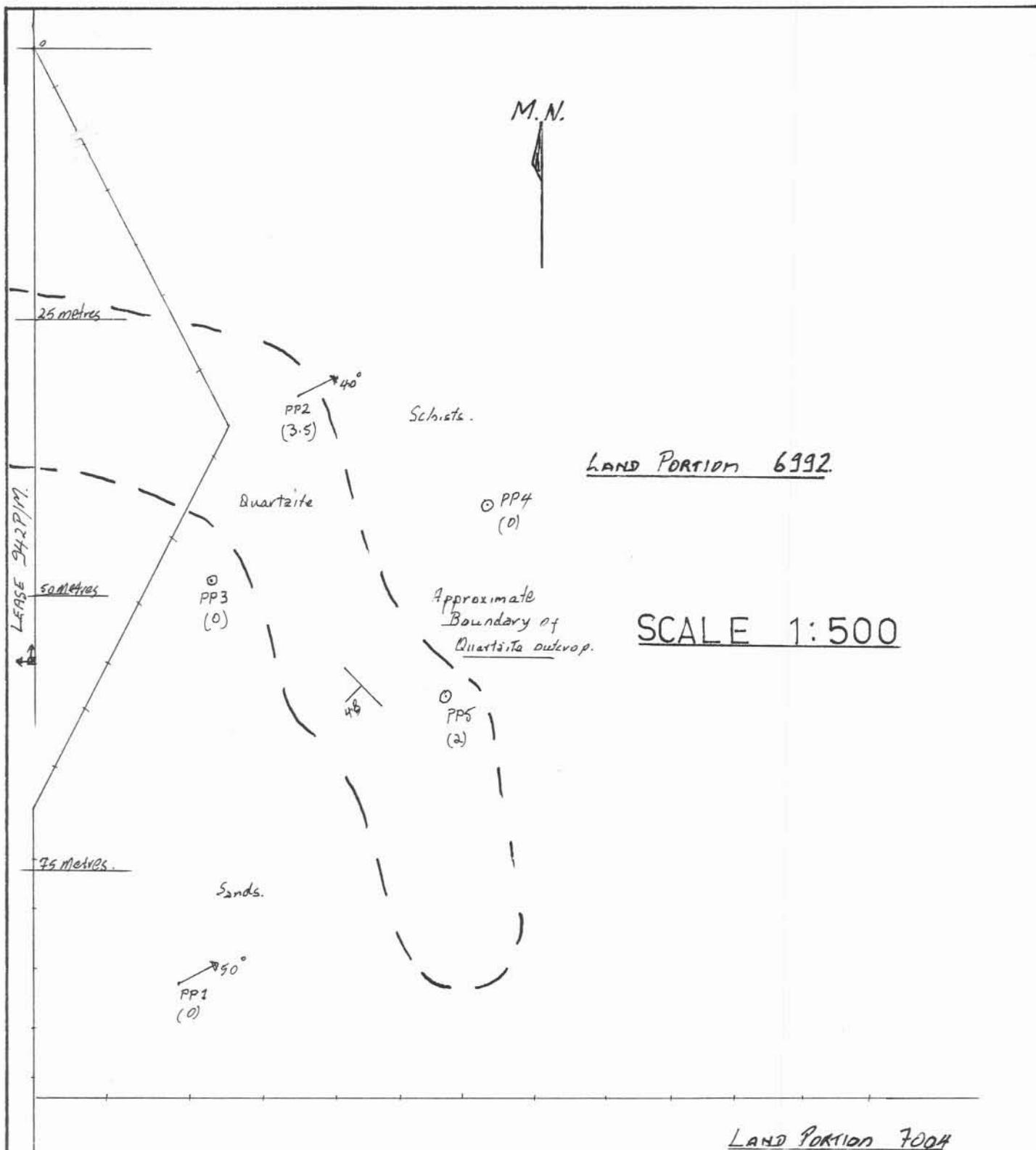


Figure 4. Area 3 (Northern Portion).

Shows quartzite extension to south-west of Lease 942P/M.
and drill hole locations.

Pioneer Concrete (Tas) Pty. Ltd. E.L. 37/84

Prepared by, Geological & Ceramic Services Pty. Ltd.

Drawn M.D.W.

Land Portion 6992.

M.D.W.

Creek

Land Portion 7004

Fence

SCALE: 1:1000

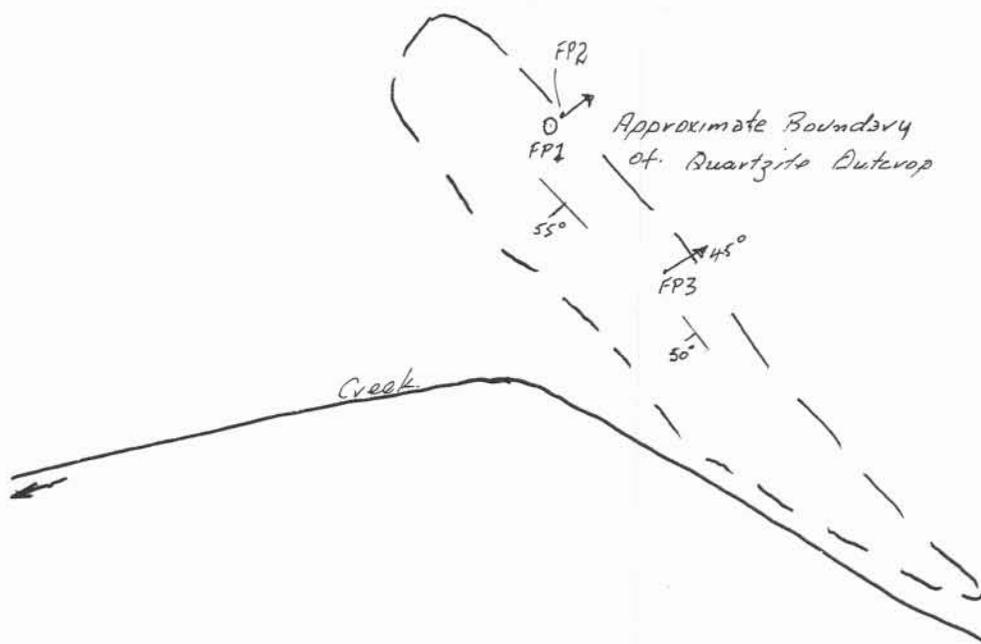


Figure 5. Area 3 (Southern Portion)

Outcrop of quartzite and drill hole locations.

Pioneer Concrete (Tas) Pty. Ltd.

E.L. 37/84

Prepared by, Geological & Ceramic Services Pty. Ltd.

Drawn M.D.W.

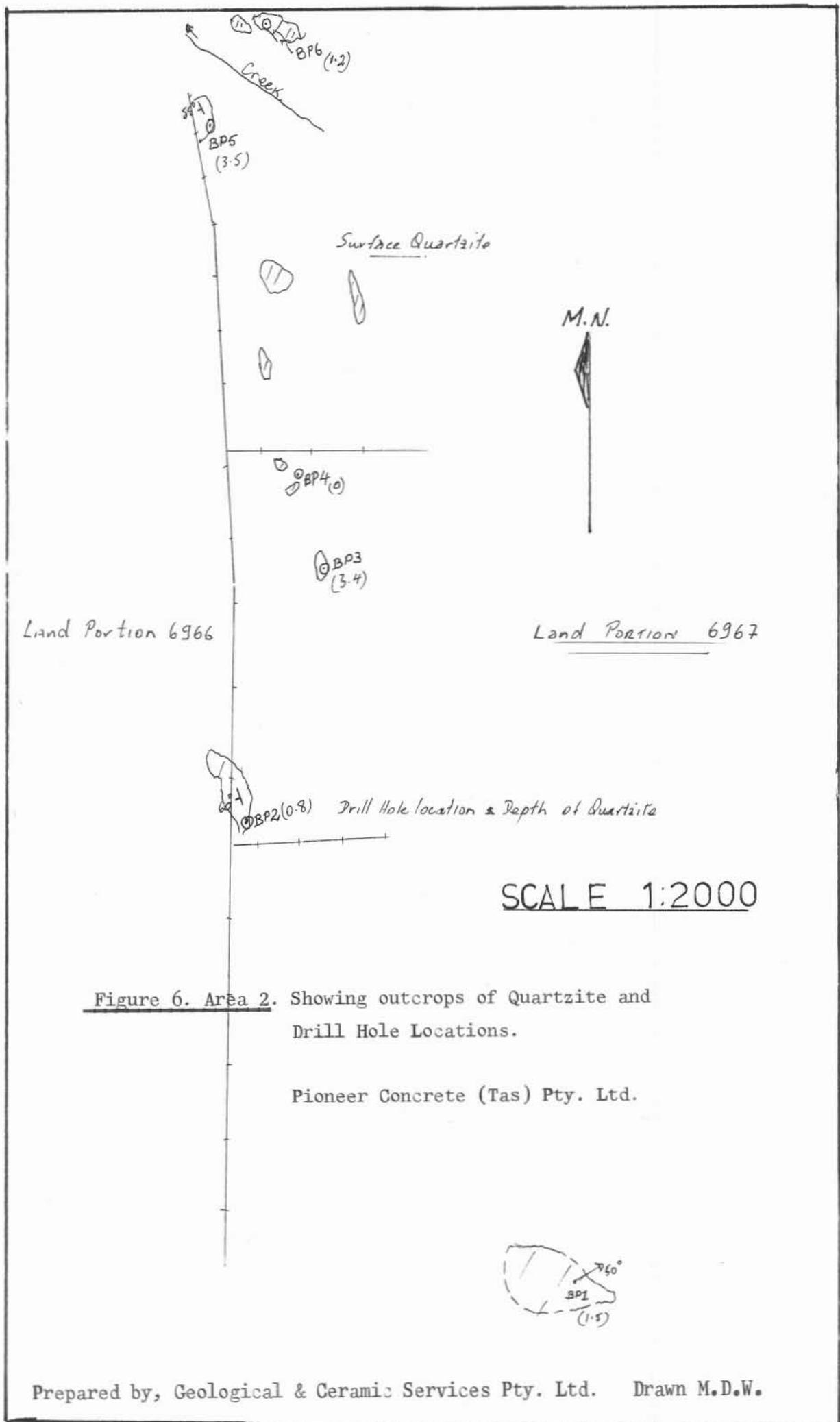


Figure 6. Area 2. Showing outcrops of Quartzite and Drill Hole Locations.

Pioneer Concrete (Tas) Pty. Ltd.

Statement of Expenditure.

Pioneer Concrete (Tas) Pty. Ltd.

Exploration Licences 2/84 and 37/84.

Period: 1st. Quarter, E.L.37/84
2nd. and 3rd. Quarters, E.L.2/84

| | |
|--------------------------------------|------------|
| Airfares | \$1547.40 |
| Accommodation and Meals | 960.00 |
| Vehicles and Transport | 485.00 |
| Fuel | 107.00 |
| Drilling Expenses. Rig Hire | 2156.25 |
| Chemical Analyses | 465.95 |
| Maps, telephone and general expenses | 163.00 |
| Consultant Fees. Geologist | =5250.00 |
| | <hr/> |
| | \$11134.60 |

AREA 1

DRILLHOLE LOG

HOLE No. HPI
PAGE No. 1/3

PROJECT: Selica - Tasmania PLAN REFERENCE: Kindred Sheet 4243
FEATURE: South of Tempco Lease & Quartzite CO-ORDINATES: DQ 373 373
LOCATION: Boulders Outcrop, Refer Figure 3 ANGLE FROM HORIZ.: 90 DIRECTION: _____

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|------------|---|-----|---------|---------------------|-----------|--------|---------|
| | Red clay, basalt soil | ~ | 1 | | | | |
| | | ~ | 2 | | | | |
| | Sand with hard white & cream quartzite float. | o | 3 | | | | |
| | white, yellow & red sands | . | 4 | | | | |
| | TRACES white clay & mica | . | 5 | | | | |
| | | . | 6 | | | | |
| <u>HP2</u> | | ~ | 0 | | | | |
| | Red clay, basalt soil | ~ | 1 | | | | |
| | | ~ | 2 | | | | |
| | | ~ | 3 | | | | |
| | | ~ | 4 | | | | |
| | | ~ | 5 | | | | |
| | Minor Quartzite float thence as above | ~ | 6 | | | | |
| | | ~ | 7 | | | | |
| | | ~ | 8 | | | | |
| | | ~ | 9 | | | | |

REMARKS: PROPERTY OF BRIAN HOPKINS (PORTION 6979.)
South into Field Naturalists Club.
(PORTION 6995)

LOGGED BY: M. Ware
DATE LOGGED: 10-10-84
DRILLER: GAG-Drilling
DRILL: ROC 601 AIR TRAK.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

AREA 1

DRILLHOLE LOG

HOLE No. HP3
PAGE No. 2/3

PROJECT: Silica - Tasmania PLAN REFERENCE: Kindred 4243
FEATURE: _____ CO-ORDINATES: D.9 373373
LOCATION: Refer figure 3. ANGLE FROM HORIZ.: _____ DIRECTION: _____

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|-------------|-------------------------|-----|---------|-------------------------------------|-----------|--------|---------|
| | Sandy Top soil | | 0-1 | | | | |
| | SAND. Cream to RED | | 1-4 | | | | |
| <u>HP4</u> | Top Soil, Red. clayey | | 0-1 | Hole bears 070° @ 50° Depression | | | |
| | Micaceous White SAND. | | 1-7 | | | | |
| | | | 7-8 | | | | |
| | | | 8-9 | | | | |
| | | | 9-10 | | | | |
| | | | 10-11 | | | | |
| <u>HP5.</u> | Hard White Quartzite. | | 0-3 | On Outcrop. | | | |
| | SAND & WATER @ 4 metres | | 3-4 | | | | |

REMARKS: _____

LOGGED BY: M. Wore
DATE LOGGED: 16-10-84
DRILLER: G & G. Drilling
DRILL: ROC 601 AIR TRAK-
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

AREA 1

DRILLHOLE LOG

HOLE No. HP6

PAGE No. 3/3

PROJECT: Silia Terrace

PLAN REFERENCE: Kindred sheet 4243

FEATURE:

CO-ORDINATES: DQ 373373

LOCATION: Refer figure 3.

ANGLE FROM HORIZ.: 90 DIRECTION:

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|------------|---|-----|---------|---|-----------|--------|---------|
| | Sandy Top Soil | ••• | 0 | | | | |
| | Hard White Quartzite | /// | 1 | Surrounded by rocky quartzite outcrop. | | | |
| | Medium/Hard Quartzite | /// | 2 | | | | |
| | SAND - Hole Caved. | ••• | 3 | | | | |
| <u>HP7</u> | Minor Soil Cover then Hard white quartzite with some cream quartzite bands | /// | 0 | 10 metres from HP6. 0.12% Al ₂ O ₃ 0.14% Al ₂ O ₃ 0.15% Al ₂ O ₃ 0.17% Al ₂ O ₃ | | | |
| | | /// | 1 | | | | |
| | | /// | 2 | | | | |
| | | /// | 3 | | | | |
| | SAND. White to yellow. <u>No mica</u> | ••• | 4 | | | | |
| | | ••• | 5 | | | | |
| <u>HP8</u> | VERY HARD White & Cream Quartzite becoming softer @ 4 metres prior to abrupt quartzite/sand boundary. | /// | 0 | BED STRIKES 150° @ 50° WEST. | | | |
| | | /// | 1 | | | | |
| | | /// | 2 | | | | |
| | | /// | 3 | | | | |
| | Reddish brown sand. | ••• | 4 | | | | |
| | | ••• | 5 | | | | |
| <u>HP9</u> | Red clay Soil | ~ | 0 | 18 Metres FROM S-W CORNER OF Temco Lease | | | |
| | Micaceous Sand. Red, brown khaki & cream. | ••• | 1 | | | | |
| | | ••• | 2 | | | | |
| | | ••• | 3 | | | | |
| | | ••• | 4 | | | | |

REMARKS:

LOGGED BY: M. Ware
 DATE LOGGED: 10-10-84
 DRILLER: G.G. Peilking
 DRILL: ROC 601 Air Trak.
 DATE STARTED: _____
 DATE FINISHED: _____
 CORE STORED: _____
 DRN.: _____ TRACED: _____

HREA 2.

DRILLHOLE LOG

HOLE No. BPI
PAGE No. 1/2

PROJECT: Silica - Tasmania PLAN REFERENCE: KINDRED ~~BY~~ SHEET 4243
FEATURE: Quartzite Outcrop CO-ORDINATES: D 9 370 377 (Refer Figure)
LOCATION: FORTH S. 4 37/84. Refer Fig 6. ANGLE FROM HORIZ.: 90 DIRECTION: 060

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | FAIRING | DEPTH m |
|-----------|--|------|---------|---------------------|-----------|---------|---------|
| | Very Hard, White massive Quartzite | / | 1 | | | | |
| | As Above. - Slightly darker, fine grained Clay Band & white powdery silica | clay | 2 | | | | |
| | Fine Sand. white, brown & red. | . | 3 | | | | |
| | | | 4 | | | | |
| | <u>B.P.2</u> Vertical hole | | | | | | |
| | Location: S.W. Corner Paddock | | | | | | |
| | Refer Figure | | | | | | |
| | beds strike 160°: Dip. 60° West. | | | | | | |
| | Quartzite Outcropping. | | | | | | |
| | Hard White Quartzite - SILCRETE. | / | 0 | | | | |
| | Cream & Red Sands. | . | 1 | | | | |
| | | | 2 | | | | |
| | | | 3 | | | | |
| | <u>B.P.3</u> Sited on Outcrop. | | | | | | |
| | Location - Refer Figure | | | | | | |
| | | | 0 | | | | |
| | Very Hard White Quartzite | / | 1 | | | | |
| | | / | 2 | | | | |
| | Red Clay Band. | clay | 3 | | | | |
| | Hard White Quartzite | / | 4 | | | | |
| | RED SAND. | . | | | | | |

REMARKS:
Lloyd BADCOCKS PROPERTY.
LAND PORTION 6967

LOGGED BY: M. Ware
DATE LOGGED: 18-10-84
DRILLER: G & G Drilling
DRILL: ROC 601 Air TRAK.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

AREH 2.

DRILLHOLE LOG

HOLE No. B.P. 4
PAGE No. 2/2

PROJECT: Silica - Tasmania PLAN REFERENCE: Kindal sheet H243
FEATURE: _____ CO-ORDINATES: DQ 370387*
LOCATION: FORAH EL 37/84 ANGLE FROM HORIZ.: _____ DIRECTION: _____
Refer Figure 6

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|-----------|---|----------|---------|---------------------|-----------|--------|---------|
| | No outcrop although 8 metres from outcrop of dense quartzite - massive. | | 0 | | | | |
| | Clayey Top Soil | mm mm | 1 | | | | |
| | Micaceous Sand fine to medium grain size. | m | 2 | | | | |
| | | M | 3 | | | | |
| | | M | 4 | | | | |
| | <u>B.P. 5</u> Location. Refer Figure | | | | | | |
| | Outcrop of massive - slightly schistose white quartzite. | | 0 | | | | |
| | HARD. Cream to white Quartzite | | 1 | | | | |
| | | | 2 | | | | |
| | Water at 2.6 metres → | | 3 | | | | |
| | Becoming Sandy | | 4 | | | | |
| | SAND. No obvious mica | | 5 | | | | |
| | <u>B.P. 6</u> Outcropping quartzite over 30 x 20 metres. | | | | | | |
| | Sandy Top Soil | | 0 | | | | |
| | | | 1 | | | | |
| | Soft Cream Quartzite | | 2 | | | | |
| | | | 3 | | | | |
| | Micaceous SANDS. | | 4 | | | | |
| | | | 5 | | | | |

REMARKS: Lloyd Badlocks Property.
LAND PORTION 6967

LOGGED BY: M. Ware
DATE LOGGED: 18-10-84
DRILLER: G & G Drilling
DRILL: ROC 60/AirTide.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

HREA 3.

DRILLHOLE LOG

HOLE No. PP 1
PAGE No. 1/2

PROJECT: Silica Tasmania
FEATURE: Notes on side of hill.
LOCATION: Refer figure #

PLAN REFERENCE: Kindred SHEET 4243
CO-ORDINATES: DQ 387368
ANGLE FROM HORIZ.: 90 DIRECTION: _____

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|-----------|---|--------|---------|-------------------------------------|-----------|--------|---------|
| | Brown clay-soil to sand | ••••• | 1 | | | | |
| | Sand. (Red/Yellowish) | ••••• | 2 | | | | |
| | | ••••• | 3 | | | | |
| | | ••••• | 4 | | | | |
| | <u>PP2.</u> Very hard white crystalline Quartzite minor mica → | ////// | 0 | Hole boars 060° @ 40° Depression | | | |
| | | ////// | 1 | Outcropping Quartzite. | | | |
| | | ////// | 2 | | | | |
| | <u>Sand band</u> softer cream quartzite | ////// | 3 | | | | |
| | sand + clay/sand | ••••• | 4 | | | | |
| | <u>P.P.3.</u> weathered mica schist | S | 0 | | | | |
| | | S | 1 | | | | |
| | | S | 2 | | | | |
| | Cream micaceous sand | ••••• | 3 | | | | |
| | | ••••• | 4 | | | | |
| | As Above. | ••••• | 5 | | | | |
| | | ••••• | 6 | | | | |
| | | ••••• | 7 | | | | |

REMARKS: Reginald Keith Parrton's Property
Portion 6992

LOGGED BY: M. Ware
DATE LOGGED: 17-10-84
DRILLER: GAG-Drilling
DRILL: ROC 601 Air Trak.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

AREA 3

DRILLHOLE LOG

HOLE No. PP4
PAGE No. 2/2

PROJECT: Selima Tasmania PLAN REFERENCE: Kindred Sheet 4243
FEATURE: _____ CO-ORDINATES: D9 387368
LOCATION: Refer figure 4 ANGLE FROM HORIZ.: _____ DIRECTION: _____

| FLUID BY | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|-------------|--|-----|---------|---------------------------|-----------|--------|---------|
| | Reddish basaltic clay soil | | 1 | | | | |
| | Tan micaceous sands. (Schists) | | 2 | | | | |
| | | | 3 | | | | |
| | | | 4 | | | | |
| <u>PP5.</u> | Used white quartzite thin sand bend. → | | 0 | Outcropping Quartzite | | | |
| | | | 1 | STRIKE <u>135° @ 48°W</u> | | | |
| | | | 2 | | | | |
| | Micaceous SAND. | | 3 | | | | |
| | | | 4 | | | | |
| | | | 5 | | | | |
| | | | 6 | | | | |
| | | | 1 | | | | |

REMARKS:
Extension of Temco Lease area within same Quartzite beds.

LOGGED BY: M. WARE
DATE LOGGED: 17.10.84
DRILLER: G & G Drilling
DRILL: ROC 601 Air Trak.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

DRILLHOLE LOG

HOLE No. FP1
PAGE No. 1/1

PROJECT: Slica - Tasmania PLAN REFERENCE: KINREP 4243
FEATURE: Quartzite Hill, STRIKE OF BEDS 155° @ 55° SW UCO-ORDINATES: D 9 388 366
LOCATION: Refer Figure 5 ANGLE FROM HORIZ.: 90 DIRECTION: _____

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|-----------|--|-----|---------|--|-----------|--------|---------|
| | VERY HARD, fine grained, dense white quartzite | | 1 | 0.05% Al ₂ O ₃ | | | |
| | | | 2 | 0.08% Al ₂ O ₃ | | | |
| | | | 3 | 0.08% Al ₂ O ₃ | | | |
| | Cream at 4 metres → | | 4 | 0.04% Al ₂ O ₃ | | | |
| | Damp Quartzite as above → <u>HARD White Quartzite</u> | | 5 | 0.20% Al ₂ O ₃ | | | |
| | Light tan MICACEOUS SAND | | 6 | | | | |
| | <u>FP2. Same Site as FP1</u> Hole bears 045° @ 45° Depression | | 0 | | | | |
| | Thin Quartzite cap (200mm), then fine white SAND | | | | | | |
| | <u>FP3. Hole bears 000° @ 45° Depression</u> | | 0 | Bold Outcrop. Strikes 130° @ 50° W | | | |
| | Sandy Soil | | 1 | TRUE WIDTH 10 metres | | | |
| | VERY HARD. White to Cream Quartzite | | 2 | Outcrop shows strong schistose nature | | | |
| | Semi-consolidated quartz sand. | | 3 | although recrystallized & massive. | | | |
| | | | 4 | | | | |

REMARKS: R.G. FISHER'S PROPERTY. FORTNSIDE
LAND PORTION 4004.

LOGGED BY: M. WARE
DATE LOGGED: 18-10-84
DRILLER: G & G. DRILLING
DRILL: ROC 601 AR TRAK.
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____

HKEA 4.

DRILLHOLE LOG

HOLE No. FP1
PAGE No. 1/1

PROJECT: Silea - Tasmania PLAN REFERENCE: Kindred Sheet 4243
FEATURE: _____ CO-ORDINATES: D.G 382 365
LOCATION: On hill behind Old house ANGLE FROM HORIZ.: _____ DIRECTION: _____

| FLUID BIT | DESCRIPTION | LOG | DEPTH m | STRUCTURES/ANALYSES | CORE LOSS | CASING | DEPTH m |
|--------------|---------------------------------------|-----|------------|---|--------------|--------|------------|
| | Very hard, white, dense, Quartzite | / | 1 | Sited on Quartzite Outcrop No bedding | | | |
| | | / | 2 | | | | |
| | Brown weathered mica schist | S | 3 | | | | |
| | | S | 4 | | | | |
| | | S | 5 | | | | |

REMARKS: Property owned by FORGES. (FORNSIDE)
Portion 6994

LOGGED BY: M. Ware
DATE LOGGED: 21-10-84
DRILLER: G & G Drilling
DRILL: ROC 601 Air Trak
DATE STARTED: _____
DATE FINISHED: _____
CORE STORED: _____
DRN.: _____ TRACED: _____