8H-1274 - 13415

12/85

ASSESSMENT REPORT

HELLROARING GROUP

FORT STEELE MINING DIVISION

NTS 82F 9

LAT. 49° 35' N., LONG. 116° 10' W.

80% BEARCAT EXPLORATIONS LTD.
20% COLT EXPLORATION (WESTERN) LTD.

OPERATOR: LUMBERTON MINES LIMITED

SUBMITTED BY: ROBERT WASYLYSHYN

DECEMBER 20, 1984

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF MAPS

LIST OF TABLES

1.00 SUMMARY

The 1984 Hellroaring Group exploration project was initiated by Bearcat Explorations Ltd. and carried out between June 27th and November 27th inclusive. The primary purpose of the program was to assess the economic potential of producing beryllium from the Hellroaring pegmatite. Secondary objectives were to recognize and evaluate any additional metals or minerals that exist in economic quantities.

Work on the property consisted of grid establishment, prospecting, mapping, trenching and diamond drilling. This work resulted in the recognition of beryllium enrichment within certain intrusive phases both on the surface and in drill core. Through drilling it appears the geometry of the intrusive is a series of large dike swarms. Feldspar is the most abundant mineral on the property and research is being conducted to determine the marketability of this commodity.

The results of the work conducted on the Hellroaring Group indicate it has potential for production of one or more commodities. Further exploratory work in 1985 is recommended to test the possibility of further zoning and enrichment.

2.00 INTRODUCTION

2.10 Property

The Hellroaring Group consists of 79 claim units each being a 500 metre by 500 metre square. Each unit contains 25 hectares (61.78 acres). The claims are named Moneca, Scout, Cub, Sarah and Kelly. All five claims were grouped on November 5, 1984 into the Hellroaring Group.

2.20 Location and Access

The property is located in the southeastern corner of British Columbia commonly referred to as the Kootenays (Map 2.1). It is situated between Hellroaring and Angus Creeks (Map 2.2). Access from the town of Kimberley is by 20 kilometers of paved all-weather roads. Final access to the property is gained by five kilometers of gravelled logging road which could be upgraded quite easily.

Locally, the area has a long history of mining. As a result, the infrastructure required for new mining developments already exists. Technology, manpower and equipment supply are all well established. Adequate three-phase electrical power is located only five kilometres from the prospect. Sufficient water for milling is available year round.

2.30 Physiography

The Hellroaring Group is situated in the Purcell Mountains of southeastern British Columbia. Topography is quite rugged with peaks exceeding 2,600 metres (8,500 feet) elevation. Slopes are well-treed,

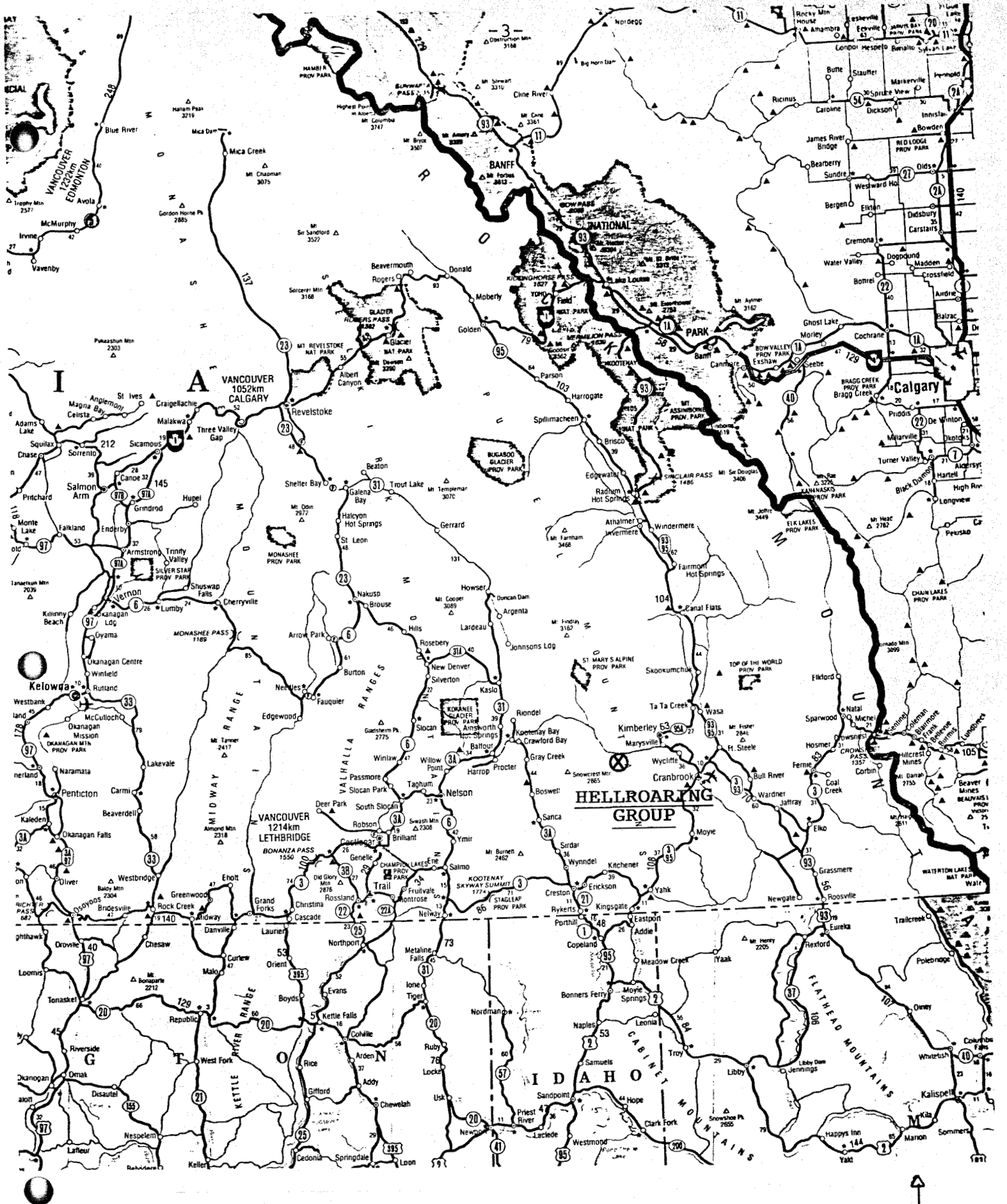


Figure 2.1 Regional Location Map of Hellroaring Group

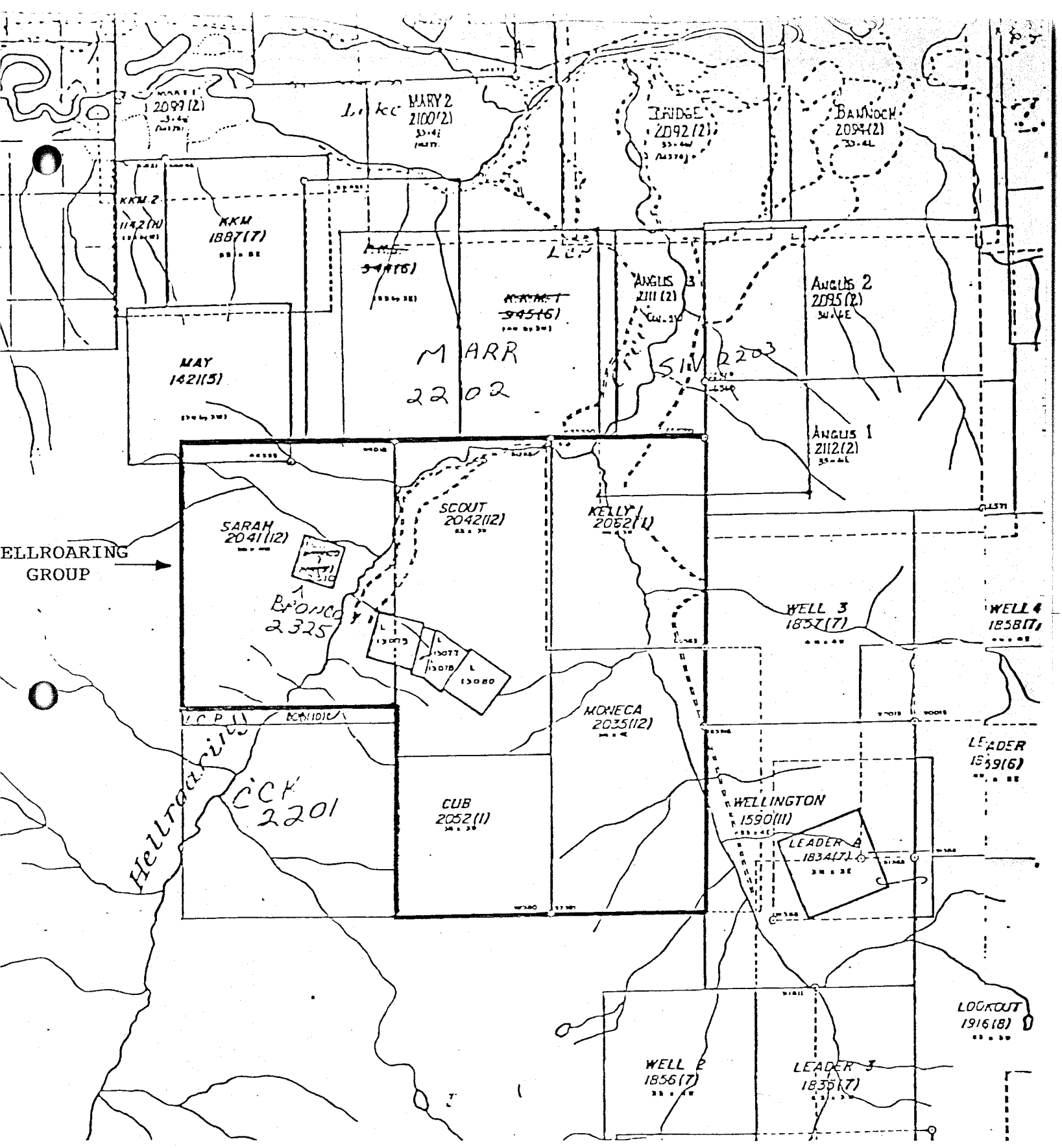


Figure 2.2 Claim Location Map of Hellroaring Group. Sarah, Scout, Kelly, Cub and Moneca claims in heavy outline. Taken from Ministry of Mines and Petroleum Resources Claim Map, 82F/9E.

Scale 1:5000

0 ½ 1 km

N

predominantly with conifers. The area is actively being logged by clear-cut methods. Outcrops are sparse below 1,500 metres and as such, trenching must be conducted to reveal new outcrops.

2.40 Tenure

The five mineral claims within the Hellroaring Group were staked on various dates and as such anniversary dates vary. Details of the claims are included in Table 2.1. In order to consolidate the assessment requirements on adjacent claims, all five claims were grouped. This enables assessment work done on one or more of the claims to be credited to all claims in the group. The anniversary date for assessment purposes is December 29th.

In order to maintain a mineral claim, exploration and development valued at not less than $100 a unit with respect to each of the first three years and $200 a unit for each subsequent year must be performed. When exploration and development on a mineral claim is in excess of that required for one year, the excess may be recorded so as to cover the exploration and development for an additional year to a maximum of ten years.

The minimum expenditure to retain the Hellroaring Group for one year is $7,900.00. In order to cover the assessment work for the maximum ten years, the expenditures must total $134,300.00. To date, the expenditures total $160,026.32. The Hellroaring Group is therefore in good standing until December 29, 1994.

TABLE 2.1 CLAIM STATUS

CLAIM	CLAIM NUMBER	NUMBER OF UNITS	STAKING DATE	ANNIVERSARY DATE
Moneca	2035	20	Dec. 05-06, 1983	Dec. 29, 1984
Sarah	2041	20	Dec. 05, 1983	Dec. 29, 1984
Scout	2042	18	Dec. 03, 1983	Dec. 29, 1984
Cub	2052	9	Dec. 06, 1983	Jan. 05, 1985
Kelly	2062	12	Jan. 24-25, 1984	Jan. 30, 1985

2.50 Ownership

Four of the five claims within the Hellroaring Group were staked by Trans Arctic Explorations Ltd. of Vancouver; those four being: Scout, Sarah, Cub and Moneca. Bearcat purchased a 100% interest in these claims save for a 3.5% net smelter return retained by Trans Arctic. The Kelly claim was staked by a representative of Lumberton Mines Limited, a 100% owned subsidiary of Bearcat Explorations Ltd. of Calgary.

To date Bearcat Explorations Ltd. holds an 80% undivided interest in the claims and Colt Exploration (Western) Ltd. of Calgary holds the remaining 20% undivided interest.

Lumberton Mines Limited is the recorded holder of the claims but has no beneficial ownership interest therein. As well, Lumberton Mines Limited is the appointed operator of the claims.

3.00 EXPLORATION

3.10 Previous Work

Mineral exploration has been conducted in the area since the turn of the century. Typically, the majority of activity has been for precious and base metals. Several old workings exist in the area, however, none are of any major consequence. The Boy Scout Group consists of four Crown-granted claims that lie entirely within the Hellroaring Group (Map 1). Several hundred feet of underground workings are reported, however, no production figures are available. The deposit consists of several quartz veins occupying shear zones within Aldridge quartzites.

The Hellroaring pegmatite was investigated for beryllium potential intermittantly from 1958 through 1965. Richfield Oil Corporation of California optioned and staked claims over the prospect in 1964-65. A program of stripping, blasting, sampling and mapping was conducted during the fall of 1965. A beryllometer survey was run over the samples and exposed outcrops. The work was restricted mainly to the northern most extremities of the pegmatite body.

The conclusions reached by Richfield at that time were somewhat negative. It had been recommended that the size and geometry of the pegmatite body be determined in order to properly assess tonnages. Due to the thickness of overburden, this proved to be a problem. Some tonnage and grade figures were suggested which were not considered favourable. An estimation of 500,000 tons of 0.1% BeO was reported for the area studied. In 1965, a minimum grade of

0.5% BeO and improved beneficiation processes were required to warrant further exploratory work. As such, recommendations were made to dispose of the property. Since the Richfield Oil Corporation work, the property has been idle.

3.20 Objectives of the 1984 Program

The primary objective of the 1984 program was to assess the economic potential of the Hellroaring Creek pegmatite for production of beryllium. Secondary objectives include recognition of other existing commodities as possible by-products. These by-products include: feldspar, micas, niobium-tantalum and rare earths.

Beryllium, a space-age metal will enjoy increased demands in the eighties, as research into its unique properties continues. It historically has been produced either by hand cobbing or in large tonnage, low grade situations. The Hellroaring pegmatite would fall in the the latter category, ie. production would be through open-pit mining techniques. Underground mining of pegmatites has generally been unprofitable.

3.30 Field Method

The 1984 field program was initiated on June 27th with mobilization to the property taking place on July 4th. The program was originally supervised by one geologist, but eventually two more were added. Local labour was hired to assist in the program, as needed. A complete list of personnel used during the program is included on Page 36.

A 32.4 kilometre grid was established on the property using chain and compass. Compensation was made for slope correction. The baseline runs on an azimuth of 145° for 3,200 metres. It extends from Angus Creek in the southeast to Hellroaring Creek in the northwest (Map 1). A tieline to the west was used to extend the grid northwards across Hellroaring Creek. Line spacing is 200 metres in the southern portion of the grid and 100 metres in the north. Stations are spaced 50 metres apart on the lines.

A backhoe was utilized to put in new roads where access was limited. These new roads were used to pull in a diamond drill. Five hundred metres of drilling was done utilizing HQ core (63.5 mm.).

The recovered core was logged by a geologist, then sawed using a diamond saw. A beryllometer was used to test the core for BeO content. The beryllometer is a semi-quantitative analytical device used extensively in the beryllium industry. Some core samples were sent to TerraMin Laboratories in Calgary for analysis as a check on the beryllometer.

4.00 GEOLOGY

4.10 Regional Geology

The project area is located within the Purcell Anticlinorium (Figure 4.1). This structure consists of the middle Proterozoic Purcell Supergroup (Belt Supergroup in the United States). It extends from southeastern British Columbia and southwestern Alberta to west-central Montana, northern Idaho and northeastern Washington covering some 104,000 km.^{2} (Hamilton et al 1983).

The Purcell Supergroup is a thick wedge of Helikian sedimentary strata. It is composed of fine-grained clastic and carbonate rocks of shallow water marine origin. Evidence suggests this sequence was deposited on a shelf or in a miogeosyncline bordering on the western margin of the craton (Douglas et al 1976).

The oldest rocks exposed in the Purcell Anticlinorium are the fine-grained clastics of the Aldridge Formation (Figure 4.2). The Aldridge is divisible into three mappable units. The Lower Aldridge is approximately 1,000 to 2,000 metres thick and consists of rusty weathering argillite, siltstone and quartzite. The Middle Aldridge is typically more arenaceous and coarser grained. It is about 3,000 metres thick and consists of thick, grey quartz-wacke beds and interlayered laminated siltsone layers. The Upper Aldridge consists of 300 to 400 metres of rusty weathering, thin bedded to laminated, carbonaceous mudstones with lesser amounts of siltstone and very fine grained greywacke (Hamilton et al 1982).

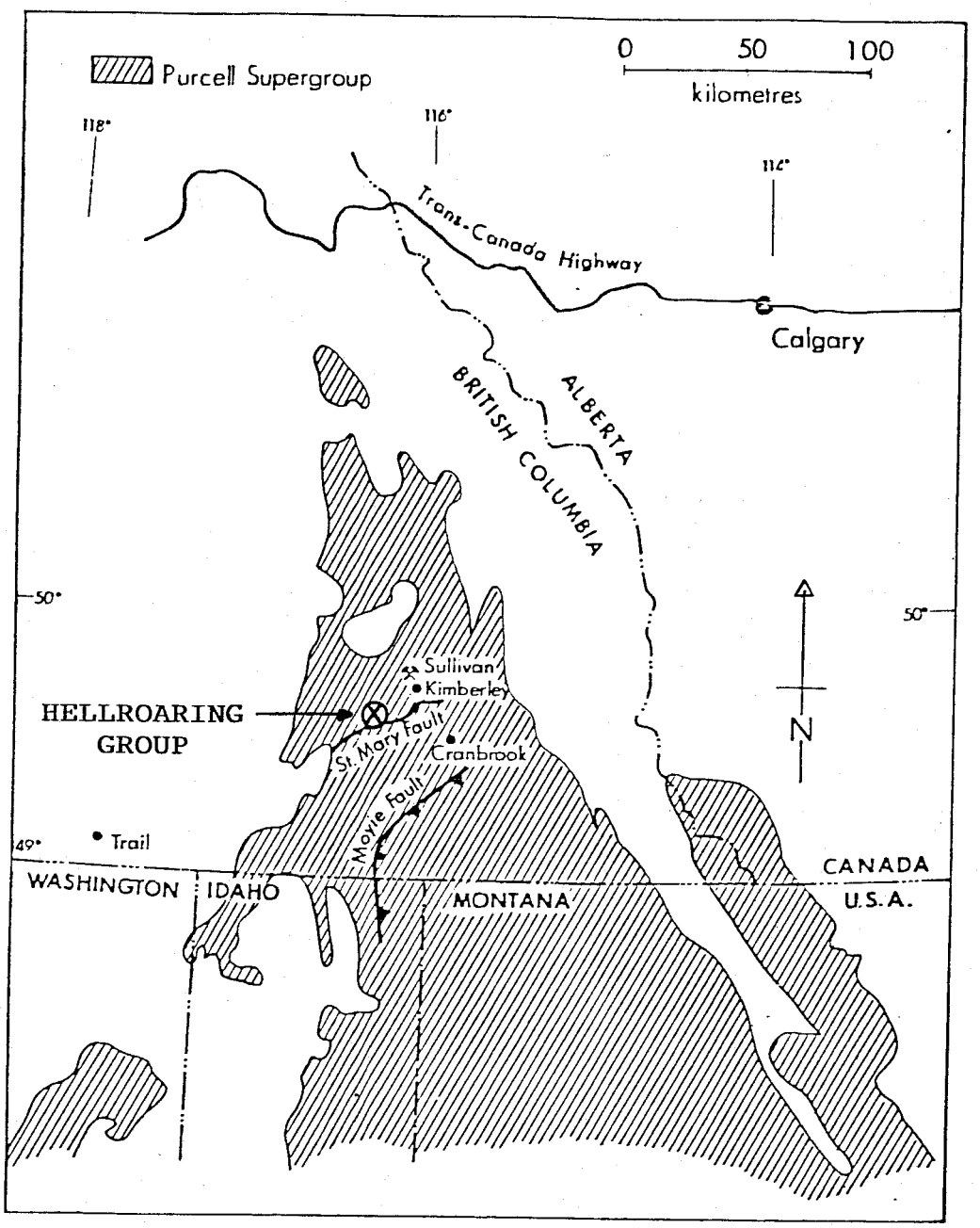


FIG. 4.1 Distribution of the Purcell Supergroup in Canada and the United States (from Nesbitt B.E. and Longstaffe F.J., 1984).

The Creston Formation conformably overlies the Aldridge and consists of light green, brown and pale purple argillaceous quartzite, siltstone and argillite (Hoy, 1983). It contains numerous shallow-water sedimentary structures. The Creston in turn, is conformably overlain by shallow-water carbonates and clastics of the Kitchener Formation, subtidal to supra-tidal clastic rocks of the Van Creek Formation and andesitic volcanic rocks of the Nicol Creek Formation. The Upper Purcell (Gateway, Phillips and Roosville Formations) consists of argillaceous and silty dolomite, and alternating argillite and quartzite. It varies in colour from green and grey to purple and red and contains shallow-water sedimentary structures.

The Purcell Supergroup was intruded by the Moyie diorites. They predominately occur at two stratigraphic horizons within the Aldridge Formation, but also have been mapped in the Kitchener-Siyeh Formation (Ryan et al, 1971).
Various ages have been proposed for the Moyie intrusives, but it is generally felt that they predate the East Kootenay Orogeny. Ryan and Blenkinsop (1971) proposed 1225 m.a. as a minimum age for the Moyie rocks.

Purcell sedimentation was brought to a close by the East Kootenay Orogeny. The orogeny produced uplift, gentle folding, tilting, faulting, granitic intrusion and regional metamorphism to greenschist facies and locally to sillimanite grade (Douglas et al, 1976). The Hadrynian Windermere System lies unconformably on top of the Purcell Supergroup.

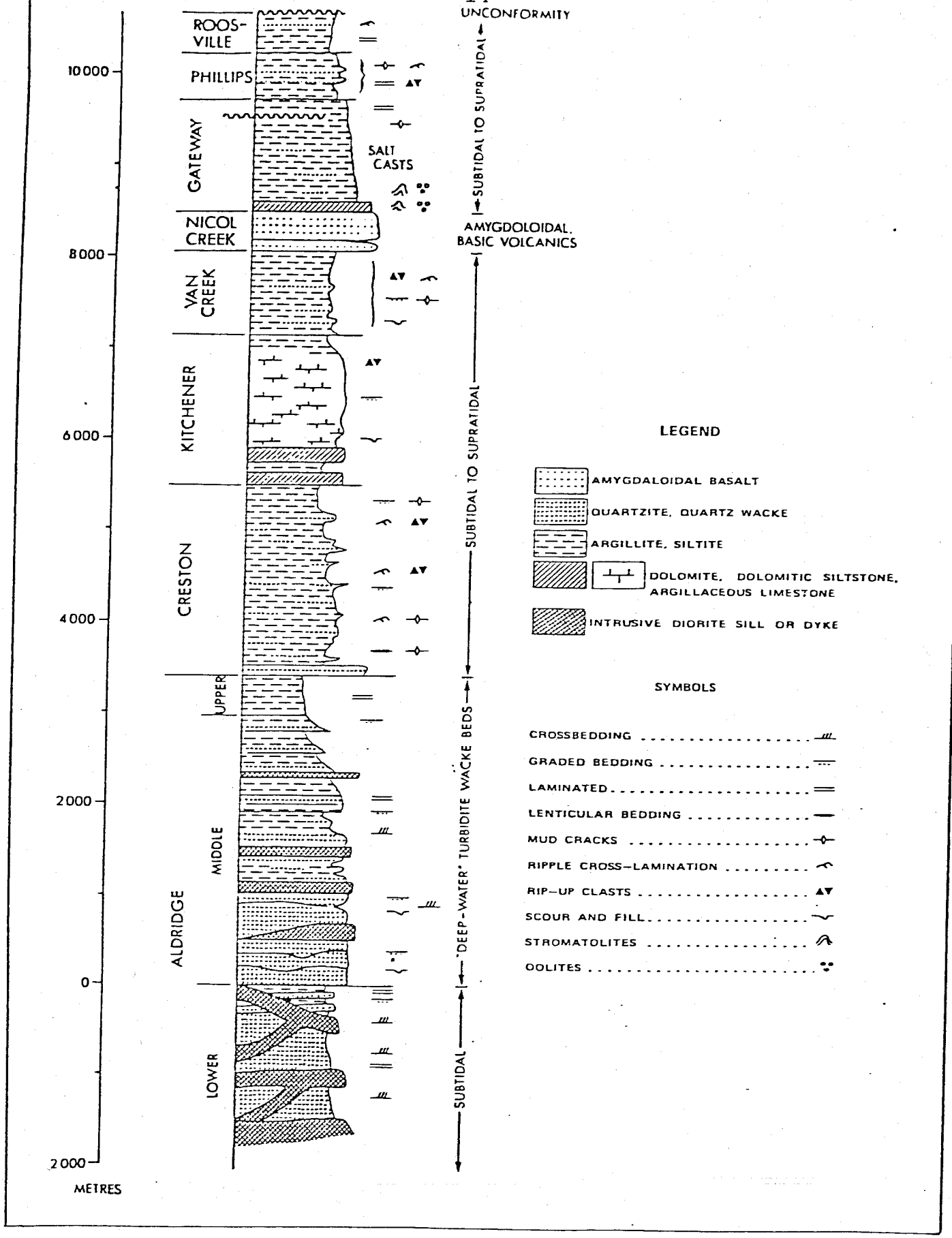


FIG. 4.2 Composite Stratigraphic column of the Purcell Supergroup in the Moyie Lake area (from Hoy and Diakow 1982).

4.20 Local Geology

The Hellroaring Creek pegmatite intrudes rocks of the Aldridge Formation and Moyie diorites of the Purcell Supergroup (Figure 4.3). Within the claim group these three rock types predominate. To the south however, Creston Formation rocks are in fault contact with pegmatite and Aldridge.

Due to the presence of thick overburden, geological mapping has not defined the contacts of all the rock types. However, it is apparent that a pegmatite/granodiorite stock outcrops for approximately four kilometres in length and 1.5 kilometres in width. The geometry of the intrusive still remains unknown. Inliers of Aldridge and Moyie are found within the area mapped as pegmatites. These inliers may be roof pendants caught up in the intrusive or they may define the geometry of the pegmatite. The pegmatite may itself be a series of dike swarms. This is supported by the drilling information. In order to determine the geometry of the intrusive more stripping, mapping and drilling will be necessary.

The intrusive varies between a coarse grained granodiorite and a pegmatite. The southern portion seems to be uniformly finer-grained than the rocks to the north. Fine grained to aplitic phases are observed both in outcrop and in core. This is especially true close to contacts with country rocks. Very coarse grained pegmatitic phases are present in several areas. These coarse segregations often host coarse grained, euhedral beryl crystals. Graphic granite texture is found throughout the intrusive.

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

12 — Till, gravel, sand, silt, alluvium

MESOZOIC OR(?) CENOZOIC

11 — Granodiorite, quartz monzonite, pegmatite

PALAEOZOIC

CAMBRIAN
LOWER CAMBRIAN

10 — EAGER FORMATION: dark argillite, grey argillite; grey limy argillite, brown weathering sandy limestone

9 — CRANBROOK FORMATION: siliceous quartzite, grit, and conglomerate

PROTEROZOIC

PURCELL OR (?) LATER

8 — MOYIE INTRUSIONS: meta-diorite and meta-quartz diorite

PURCELL

7 — DUTCH CREEK FORMATION: laminated black argillite, green argillite; quartzite, dolomite

6 — KITCHENER-SIYEH FORMATION: varicoloured argillites and dolomitic argillites, mostly buff and brown weathering; buff and brown weathering dolomite, commonly sandy

5 — CRESTON FORMATION: green and grey weathering green, grey, and purplish argillaceous quartzite, quartzite and argillite; 5a, grey weathering grey argillite and silty argillite, mud-cracked dark argillite

1 2 4 — ALDRIDGE FORMATION (1-4)
1. Lower Division: rusty weathering grey quartzite, siltstone, and argillite; grey weathering massive quartzite; metamorphosed equivalents
2. Middle Division: grey weathering massive grey quartzite and siltstone with argillite partings; rusty weathering quartzite, siltstone, and argillite
4. Upper Division: rusty weathering laminated argillite and siltstone; quartzite

3 — Middle and Lower Divisions undivided

Limit of area in which distribution of Moyie intrusions is uncertain . . . . . U

Outcrops of Moyie intrusions within above area . . . . .

Geological boundary (defined, approximate, assumed) . . .

Bedding (horizontal, inclined, vertical, overturned) . . . . .

Bedding (dip known, top of bed unknown) . . . . . .

Cleavage (inclined, vertical) . . . . . .

Fault (defined, approximate, assumed) . . . . . .

Anticline (defined, approximate) . . . . . .

Syncline (defined, approximate) . . . . . .

Overturned (overturned, showing direction of dip of limbs) . . .

Anticline and syncline (arrow indicates plunge) . . . . . .

Glacial striae (direction of ice movement known, unknown) . . . . . .

Fossil locality . . . . . .

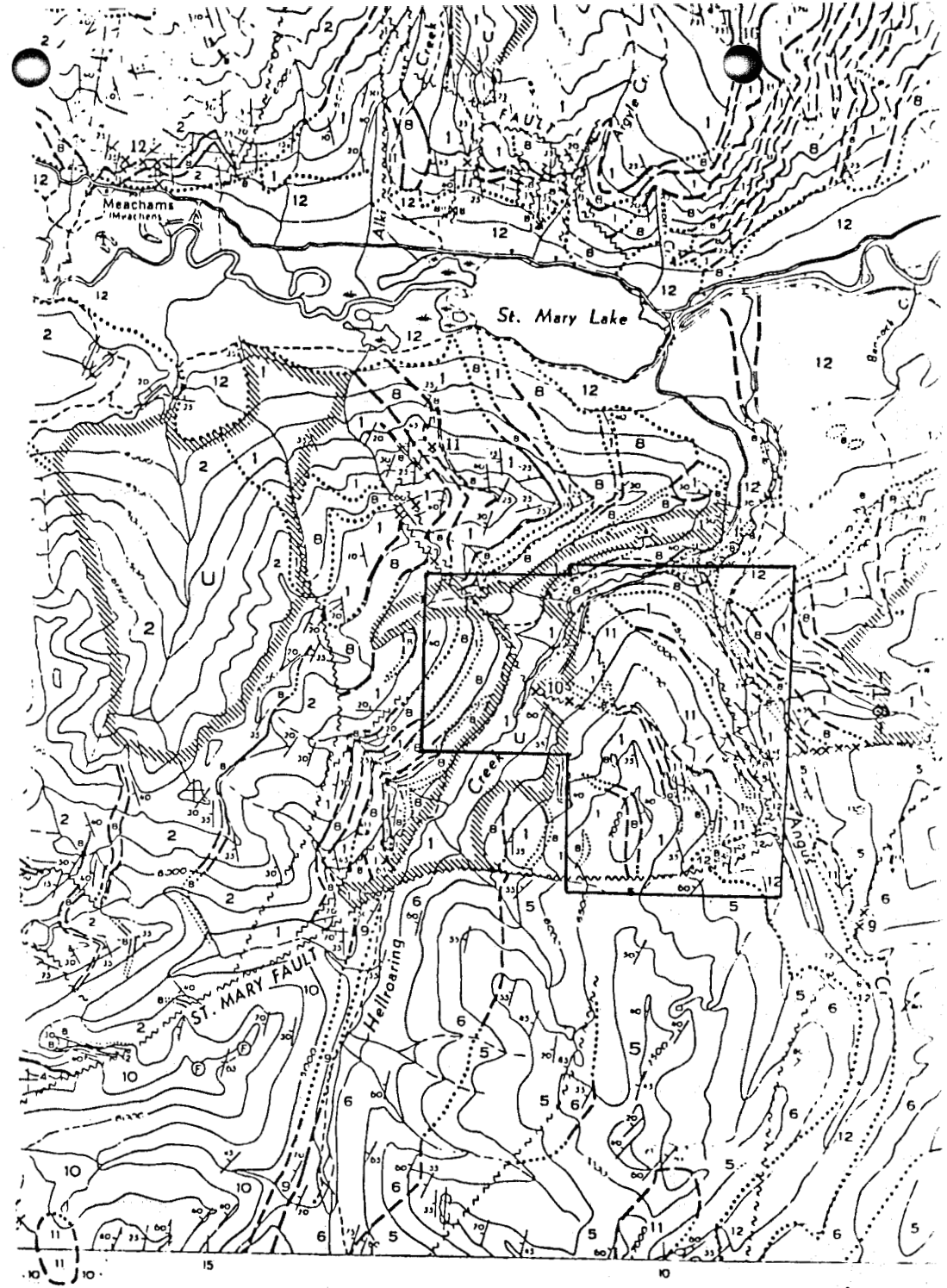


FIG. 4.3 MAP 15-1957 (After Leech, 1957)

ST. MARY LAKE

KOOTENAY DISTRICT · BRITISH COLUMBIA

The intrusive is predominantly feldspar rich with lesser amounts of quartz. Muscovite and tourmaline are present in varying quantities and grain size. Garnet and sulfides are found in trace amounts. The feldspars are mainly sodic plagioclase but microcline is also present particularly in the graphic granite. Perthitic textures are recognizable in the core. In the coarse segregations, feldspar "blocks" up to one metre dimensions can be found.

Quartz is the second most abundant mineral in the pegmatite. It is translucent to milky white. Quartz also appears as "blocks" up to 1-2 metre dimensions in the coarse segregations. These blocks resemble quartz veins. Quartz is also present as fine grains in aplitic phases and as wormy intergrowths in graphic zones.

Muscovite is present throughout the intrusive. It occurs as small masses, bladed crystals and as large books up to 10 cm. in diameter. It is usually pale green to silvery in colour and is often concentrated along fractures. Much of the muscovite is crenulated presumably due to some degree of deformation.

Tourmaline is a common accessory mineral in the intrusive. It is of the variety schorl, a black, iron rich member. Grain size is highly variable from fine needles to crystals three cm. in diameter and ten cm. in length. Certain phases of the intrusive are almost devoid of tourmaline possibly due to zoning within the pegmatite.

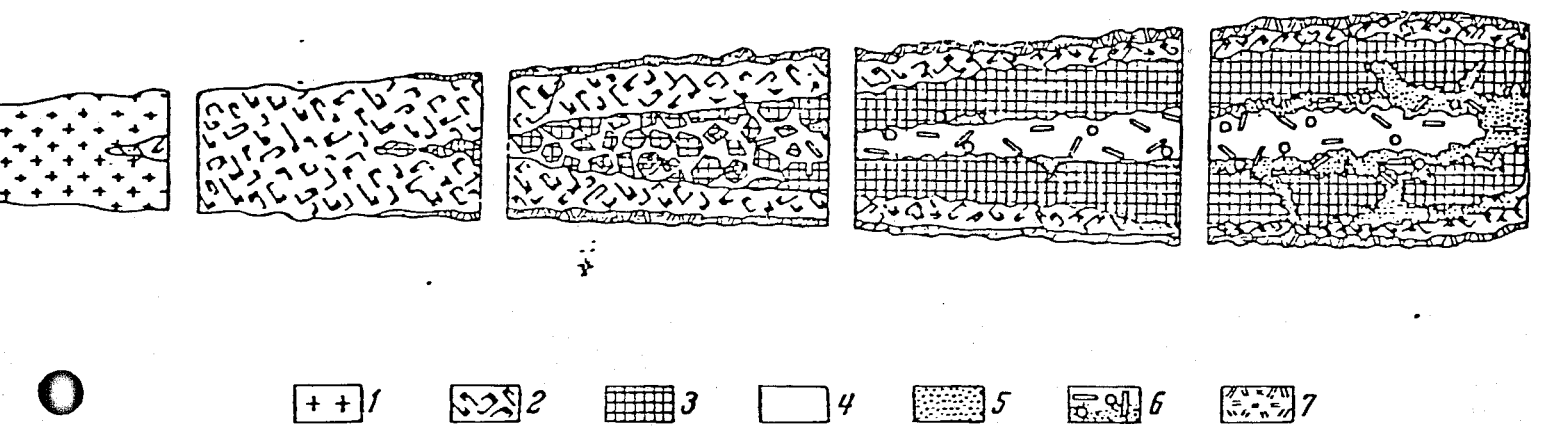
Another mineral found in trace amounts is garnet. It is usually fine grained, pink and often associated with tourmaline-rich rocks. Pyrite occurs quite

commonly in blebs and fractures. Very minor amounts of galena and arsenopyrite were noted. Wolframite was found in one location. Manganese and iron staining are quite prolific both in core and outcrop.

Zoning is a very important aspect of pegmatites with respect to mineral exploration. The characteristic regularities expressed in the horizontal and vertical zoning of pegmatites must be considered. This enables a more accurate estimation of the potential of a deposit and determines the suitable direction of geological exploration. Figure 4.4 is an example of typical pegmatitic zoning similar to that expected on the Hellroaring Group. Beryllium and other rare metals tend to concentrate towards the central regions of the intrusive, near the quartz core. For a more in-depth description, reference should be made to Beus.

The Hellroaring pegmatite intruded rocks of the Lower Aldridge Formation. In outcrop these rocks are usually a rusty weathered fine grained quartzite. In core, they were seen to be grey to dark grey, thin bedded, fine grained micaceous arenites. Pyrite and pyrrhotite are present in minor quantities. At contacts with the pegmatite, spotted hornfels is often seen. Tourmalinization of the sediments is also apparent at or near contacts with the intrusive.

The Moyie intrusives are abundant in the Hellroaring area. They can be seen as massive cliff-forming members within the Aldridge. In hand specimen, the Moyie rocks are dark colored, fine to medium grained diorites, rich in hornblende and plagioclase feldspars.



g. 4.4 Scheme of the texture-paragenetic types of granitic pegmatites (according to Vlasov, 1952). (1) Granite; (2) pegmatite of graphic and granite structures; (3) microcline, oligoclase, and microcline-spodumene zones. also blocks and crystals; (4) quartz blocks, cores, and belts of late quartz; (5) replacement zone (cleavelandite, muscovite, beryl tantalite, spodumene, etc.); (6) crystals of rare-metal minerals (spodumene, beryl, etc.); (7) muscovite-quartz-albite zones and fringes.

(from Beus 1962)

Structures within the project area are not easily recognizable. The most prominent feature is the St. Mary Fault. This fault is in the order of 50 kilometres long, as mapped by the Geological Survey of Canada. Hoy (1982) suggests that this fault may have been active during Proterozoic times and locally controlled deposition of sediments. The fault cuts off the Hellroaring intrusive at the southern end of the property (Figure 4.3). Angus Creek Fault, as mapped by Leech (1952), displaces the St. Mary Fault to the north by approximately one kilometre. In drill core, minor fault gouge and shear zones were noted. Locally, doming of the sediments by the pegmatite intrusive can be observed in outcrop.

5.00 MINERALIZATION

5.10 Known Occurrences

The 1965 exploration program of Richfield Corporation was concentrated on the northern portion of the intrusive. It was estimated at that time that a possible tonnage of 500,000 tons at 0.1% BeO existed. Mineralization is in the form of beryl, $Be_3Al_2[Si_6O_{18}]$. Beryl was found to exist in large coarse crystals as well as in finely disseminated form. Crystals with diameters of up to two or three inches and lengths of four to six inches were noted.

5.20 New Occurrences

The 1984 program attempted to expand outwards from the area of concentration of Richfield Corporation. The entire pegmatite was looked at in order to establish potential new beryllium reserves. Prospecting located several new beryl locations on the property. Beryl was commonly found in coarse grained segregations within the intrusive. The beryl crystals found were white to very pale green in color. The nature of the mineralization could be described as isolated clusters of beryl crystals often separated by metres to tens of metres of barren material. The beryl crystals are usually associated with the following assemblage: plagioclase-quartz-muscovite-beryl. The crystals are often distorted or squashed.

Without the characteristic hexagonal crystal habit, it is very difficult to distinguish beryl from quartz. Hardness is the major difference between the two minerals. This aspect makes prospecting both

in outcrop and in core very difficult. The beryllometer proved invaluable for this reason.

This type of scattered mineralization indicates a beryllium enriched pegmatite. More mapping, prospecting and drilling is needed in order to determine if a further enrichment exists.

6.00 DRILLING

A Longyear Super 38 diamond drill was mobilized to the property on October 20th. Drilling commenced on October 22nd and terminated on November 17th. A total of 500 metres in seven holes was drilled using HQ tools. Table 6.1 is a summary of drill locations, depths and bearings. Map 1 shows the locations of the holes with relation to property boundaries, topography, etc. The drill logs are in Appendix 1 and cross-sections of each hole are in the map pocket.

The drilling was conducted under contract by Tri-Mac Drilling Ltd., 707, 543 Granville Street, Vancouver, British Columbia. The core is stored at the residence of:

E.J. Phillips
Box 17, Site 8
Rural Route 2
Cranbrook, British Columbia
(Old Lumberton Townsite)

Due to the late start of the drill program, all water for drilling had to be hauled. This was accomplished using a Timberjack skidder or International TD-15 caterpillar. Water was pumped from the Hellroaring Creek into a 500 gallon tank trailer and pulled to the drill. This proved to be both expensive and logistically difficult due to heavy snowfalls. Water haulage was contracted out to D and T Sawmills of Cranbrook.

TABLE 6.1 DIAMOND DRILL HOLES

HOLE	GRID LOCATION	AZIMUTH, DIP	ELEVATION COLLAR A.S.L. (m.)	LENGTH METRES
DDH-84-1	1+40N, 6+15W	Vertical	1,765	110.6
DDH-84-2	12+40N, 6+50W	Vertical	1,296	67.7
DDH-84-3	12+40N, 6+50W	255°, 50°	1,296	71.9
DDH-84-4	12+40N, 6+50W	165°, 45°	1,296	11.3
DDH-84-5	7+20N, 7+90W	Vertical	1,448	30.6
DDH-84-6	9+25N, 6+90W	Vertical	1,378	64.9
DDH-84-7	12+40N, 6+50W	175°, 45°	1,296	143.3

6.10 Drill Targets

Initially, drill locations were chosen on the property at approximately 1+00N, 6+50W (Map 1). A new road was put in to access this area of the ridge. DDH-84-1 was drilled there, but the arrival of heavy snowfalls made further drilling impractical. DDH-84-2, 3, 4 and 7 were drilled in the area that Richfield Oil Corporation outlined as containing possible reserves. DDH-84-4 had to be abandoned at 11.0 m. due to caving in the hole. DDH-84-5 and 6 were drilled on another new access road built in 1984.

6.20 Drill Results

Processing of the core proved very time consuming. In order to accomplish this, a 60 foot utility trailer was hauled onto the site. A diesel generator was rented to provide electricity.

All core was logged by one of two geologists on staff. Complete drill logs are included in Appendix 1. Recovery rates, mineralogy, textures and mineralization are all recorded. After logging, the core was sawed in half down the core axis using a masonary diamond saw. The core was sawed in order to obtain a flat surface to place the beryllometer on.

The beryllometer is a portable field instrument used in direct assaying for beryllium content. The instrument contains a gamma emitting source (Antimony 124) and is based on the Be^{9} (gamma, neutron) Be^{8} reaction. The gamma rays are produced by the source and when held over beryllium minerals, releases neutrons from the beryllium. These are detected by a

scintillation counter and scaler. The release of neutrons is directly proportional to the beryllium content regardless of the mineral form. The instrument is calibrated using a known standard and corrected for background effects. The activation process of the beryllometer is quite shallow and as such, sample relief must be corrrected for. A correction of 30% is recommended by the manufacturer for 1/4-inch relief. For this reason, the core was sawn in order to eliminate relief corrections.

The beryllometer was rented from:

Boulder Scientific Company
P.O. Box 548
Mead, Colorado 80542

When used properly, the beryllometer is perfectly safe. However, since it contains a highly radioactive source, a licence must be obtained for use in Canada. Licence number 8-8912-86 was obtained from the Atomic Energy Control Board of Canada to comply with the regulations. All personnel connected with or using this instrument wore a radiation dosimeter in order to monitor the levels of exposure to radiation.

All of the core was tested with the beryllometer. Results are listed with sample interval and % BeO on the drill logs. One metre sample intervals were tested with about 8 to 15 readings and averaged to obtain the % BeO. Cross sections showing geology and % BeO are included in the map pocket of this report (Figures 6.1-6.7). Core from DDH-84-3 was assayed by TerraMin Laboratories of Calgary as a check for the beryllometer. Results of this can be found in the drill log and the cross-sections. As well, some core was assayed for lithium content. Direct

correlation between beryllometer and assay results is not possible as of yet. Investigation into this problem is taking place at the time of this writing.

The drilling results indicate beryllium enrichment in certain holes and even in some cases correlates with pegmatite zoning. However, results are very preliminary and more information is needed. It appears the intrusive is dike-like but again more drilling is needed especially at higher elevations to prove this. The drilling revealed the presence of a high proportion of feldspar minerals. At the time of this writing, research is being conducted into the potential of producing feldspar as an industrial commodity.

7.00 PHYSICAL WORK

7.10 Linecutting

A 32.4 kilometre grid was established on the property (Map 1). The baseline runs on an azimuth of 145° for 3,200 metres. The baseline was cut out by chainsaw and the cross lines are flagged and picketed. The grid covers the intrusive body. A total of 87 man days were used in establishing this grid.

7.20 Trenching

Outcrops at lower elevations are quite limited and geological contacts can only be inferred. For this reason, trenching was done using a backhoe. Trench locations can be found on Map 1. This was initially done using a small rubber-tired backhoe along existing roads. However, a larger Hitachi hoe (Model UH07-5) on tracks was brought in for more inaccessible areas of the property. A total of 14 trenches were put in. Table 7.1 is a complete list of locations and dimensions.

7.30 Road Building

Access to some areas of the claim group was not adequate so new roads were built. Approximately 2.5 kilometres of 4-wheel drive roads were put in (Map 1). The most notable of these being a road to the top of the ridge. This road was used to bring the diamond drill to the ridge area.

TABLE 7.1 TRENCH DATA

TRENCH NUMBER	GRID LOCATION	LENGTH X WIDTH X DEPTH (METRES)
1	5+30N, 0+50W	70 x 4 x 4
2	2+60N, 4+80W	15 x 4 x 1
3	2+50N, 5+70W	190 x 4 x 1
4	4+00S, 1+10E	10 x 1 x 2
5	1+50S, 0+50E	4 x 2 x 1
6	0+00N, 1+10E	4 x 2 x 1
7	5+50N, 0+90E	15 x 2 x 2
8	6+60N, 15+00W	21 x 3 x 1
9	4+90N, 12+00W	12 x 2 x 1
10	7+50N, 16+70W	34 x 2 x .5
11	8+50N, 12+20W	30 x 2 x .5
12	9+70S, 6+00E	19 x 2 x 1
13	12+00S, 3+50E	35 x 2 x 1
14	12+70S, 3+30E	12 x 2 x 1

The roads were built using a track-mounted Hitachi backhoe. Road widths are generally four metres wide with adequate turn-arounds provided. Slopes are gentle enough to be negotiated by 4-wheel drive vehicles. All new roads were ditched to prevent washouts occurring during spring run-off.

8.00 CONCLUSIONS

1. The intrusive contains areas of beryllium enrichment as well as some poorly defined zoning.

2. The geometry of the intrusive appears to resemble large dike swarms.

3. The intrusive appears to be feldspar-rich which could potentially serve as a by-product in production.

9.00 RECOMMENDATIONS

1. Further mapping and prospecting is needed to outline mineralized zones of the pegmatite. A deeper understanding of the zoning present may outline the direction of future exploration.

2. Further drilling is needed in order to define the geometry of the intrusive as well as outline mineralized zones.

3. A commodity study for potential by-products should be undertaken to determine the marketability of other minerals present in mineable quantities.

4. Additional mapping, stripping and prospecting must be done in outlying areas. These areas include the southern portion of the intrusive as well as the east side of Angus Creek.

10.00 COST STATEMENT

July 6 - October 14		
Linecutting (grid establishment)		
87 man days @ $125.00/day		$ 10,875.00
August 30 - September 24		
580C Case Backhoe Trenching		
99 hours @ $40.00/hour		3,960.00
September 23 - October 29		
Hitachi (UH07-5) backhoe for trenching and road building		
257.5 hours @ $78.00/hour	$ 20,085.00	
33.5 hours @ $65.00/hour	2,177.50	
Moving costs	156.00	
		22,418.50
October 20 - November 18		
Diamond drilling costs		
500 metres of HQ core plus stand-by times, mobilization and de-mobilization, lost equipment etc.		66,161.72
October 20 - November 18		
Water hauling to drill		
392.5 Skidder hours @ $34.50/hour		
54.5 TD-15 Crawler hours @ $57.50/hour		
Plus operator wages		21,998.00
October 22 - November 26		
Core processing labour, sawing, beryllometer testing		
120 man days @ $150.00/day		18,000.00
October 22 - November 26		
Drill supervision by geologists		
45 man days @ $175.00/day		7,875.00
October 22 - November 26		
Accommodation for geological staff		1,258.00
November 7 - November 26		
Generator rental for core processing		973.48
October 20		
Core trailer hauling on-site		383.50
November 21		
Core trailer hauling off-site		
7 hours @ $61.00/hour		427.00

November 21 Hauling charges for skidder, off-site 3.5 hours @ $61.00/hour	213.50
October 20 - November 26 Gasoline expenses for geological staff during drill supervision	250.80
October 20 - November 26 Beryllometer rental charges for core processing	1,362.82
Diamond saw blades for core processing 2 blades @ $434.50 each	869.00
November 20 - December 21 Report preparation, drafting, etc.	3,000.00
TOTAL EXPENDITURES	$ 160,026.32

11.00 STATEMENT OF QUALIFICATION

I, ROBERT STEVE WASYLYSHYN OF CALGARY, ALBERTA,

1) am a staff geologist with Bearcat Explorations Ltd.
2) have a B.Sc. degree in geology from the University of Alberta (1981).
3) have been working and studying in the field of mineral exploration since 1977, and
4) have no financial interest in the property described herein.

12.00 STAFF

The 1984 Hellroaring Group program was carried out by the following personnel during the period June 27th to December 31, 1984 inclusive.

Ed Phillips Box 17, Site B R.R. 2 Cranbrook, B.C.	Operations Supervisor
Robert Wasylyshyn 13516 - 64th Street Edmonton, Alberta T5A 0Y9	Project Geologist
Maia Pudifin 218, 2025 Othello Avenue Ottawa, Ontario K1G 3R4	Geologist
Susan Scott 1524 - 33rd Avenue S.W. Calgary, Alberta T2T 1Y3	Consultant Geologist
Bart Anderson Ft. Steele, B.C.	Field Assistant
Gordon Beckerjeck Moyie Lake, B.C.	Field Assistant
James Brace Cranbrook, B.C.	Field Assistant
Robert McLeod Victoria, B.C.	Field Assistant
Rory McLeod Victoria, B.C.	Field Assistant
Donnie Nelson Cranbrook, B.C.	Field Assistant
Merle Phillips Cranbrook, B.C.	Field Assistant
Dave Schmidider Cranbrook, B.C.	Field Assistant
Karl Schmidider Cranbrook, B.C.	Field Assistant

Rollie Schmidider Cranbrook, B.C.	Field Assistant
Tri-Mac Drilling Ltd. 707, 543 Granville St. Vancouver, British Columbia	
Lloyd Bart	Diamond Driller
Robert Brosinsky	Diamond Driller
Doug Haller	Driller's Helper
Kevin Tracy	Diamond Driller
Doug Wier	Driller's Helper

13.00 REFERENCES

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14.0 APPENDIX

14.1 Analytical Report

14.2 Diamond Drill Logs

14.1

ANALYTICAL REPORT

Job # 84-330

Date

Client Project

Sample No.		Be ppm	BeO %	Li ppm	Fe %	Mg %	Mn %
Core	4001	41	.011	12			
	4002	73	.020	12			
	4003	165	.046	19			
	4004	99	.027	19	0.66	0.038	0.120
	4005	37	.010	17	0.53	0.016	0.122
	4006	122	.034	21			
	4007	126	.035	24			
	4008	142	.039	37			
	4009	86	.024	26			
	4010	110	.031	23			
	4011	50	.014	40			
	4012	31	.009	24	0.34	0.025	0.053
	4013	120	.033	37			

14, 2235 - 30th Avenue N.E., Calgary, Alberta T2E 7C7
(403) 276-8668 Telex 03-821172 CGY

14.2 Diamond Drill Logs

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 1 Lat. Total Depth 110.65 m.
Section Dep. Logged By B.W.
Date Begun October 22, 1984 Bearing Vert. Claim
Date Finished October 27, 1984 Elev. Collar 1,765 m. Core Size HQ
Date Logged October 27, 1984

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0.0	2.50	0%	Casing - overburden					
2.50	9.20	6.55	Medium-coarse grained, feldspar-rich		3.0	4.0	1.0 m.	0.00
		98%	pegmatite; 80-90% feldspar, 5-15% quartz		4.0	5.0	1.0 m.	0.00
			5-10% musc., accessory tourmaline-garnet;		5.0	6.0	1.0 m.	0.00
			zones of perthitic texture, zones up		6.0	7.0	1.0 m.	0.00
			to 20 cm. - monomineralic feld., qtz.,		7.0	8.0	1.0 m.	0.01
			mainly med. grained; white and green		8.0	9.0	1.0 m.	0.00
			musc.; minor Mn-Fe staining.					
9.20	11.10	1.80	Massive qtz. zone; coarse gr.; 80-95%		9.0	10.0	1.0 m.	0.01
		95%	qtz., 5-15% feld., 1-2% musc.; highly		10.0	11.0	1.0 m.	0.00
			fractured with feld. ± musc. along					
			fractures.					
11.10	12.45	1.35	V. coarse grained qtz.-feld. zone;		11.0	12.0	1.0 m.	0.00
		100%	approx. 50% qtz. - 50% feld., up to		12.0	13.0	1.0 m.	0.00
			1% green musc.; fractured, smokey qtz.;					
			green musc. along fractures, feld.					
			content increasing over last 20 cm.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 2 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
12.45	13.0	0.55	V. coarse grained massive feld. zone;					
		100%	95% feld., up to 5% qtz., minor green					
			musc.					
13.0	15.95	2.95	Coarse grained qtz.-feld. zones; 30-70%		13.0	14.0	1.0 m.	0.03
		100%	qtz.; 30-70% feld., up to 5% green		14.0	15.0	1.0 m.	0.00
			musc., minor pyrite blebs;		15.0	16.0	1.0 m.	0.00
			13.30 m.: 10 cm. long beryl-crystal					
			cluster; crystals up to 1.5 cm.					
			in width.					
15.95	16.70	0.65	Coarse grained monomineralic feld.		16.0	17.0	1.0 m.	0.01
		87%	zone; perthitic texture; white to med.					
			grey; albite twinning present.					
16.70	21.91	5.20	Med.-coarse gr. qtz.-feld. zone, 30-80%		17.0	18.0	1.0 m.	0.00
		100%	feld., 20-50% qtz., up to 3% green		18.0	19.0	1.0 m.	0.00
			musc.; fine gr. accessory tourm., monomineralic		19.0	20.0	1.0 m.	0.00
			qtz. zones and feld. zones 10 to 60		20.0	21.0	1.0 m.	0.00
			cm. in length; smokey grey qtz.; zones		21.0	22.0	1.0 m.	0.00
			of perthitic textured feld.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
21.91	27.90	5.99	Med-coarse gr. feld. rich zones; 80-100%		22.0	23.0	1.0 m.	0.01
		100%	feld., 0-20% qtz., up to 10% green		23.0	24.0	1.0 m.	0.00
			musc., up to 5% tourm., accessory garnet,		24.0	25.0	1.0 m.	0.02
			minor pyrite; feld. perthitic in places;		25.0	26.0	1.0 m.	0.00
			25.60-26.70: monomineralic feld.		26.0	27.0	1.0 m.	0.00
			zone also contains minor qtz.-musc.,		27.0	28.0	1.0 m.	0.00
			perthitic, albite twinning;					
			tourm. aligned in places, few large					
			books musc., cubic pyrite; pink garnets;					
			Mn staining along fractures.					
27.90	35.65	7.75	Predom. coarse gr. graphic granite		28.0	29.0	1.0 m.	0.00
		100%	and feld. rich zone; 60-90% feld.,		29.0	30.0	1.0 m.	0.00
			10-30% qtz., up to 5% green musc. (bladed),		30.0	31.0	1.0 m.	0.00
			accessory tourm.; feld. perthitic in		31.0	32.0	1.0 m.	0.00
			places; sections of graphic granite,		32.0	33.0	1.0 m.	0.00
			some zones approach monomineralic feld.		33.0	34.0	1.0 m.	0.00
					34.0	35.0	1.0 m.	0.00
35.65	41.35	5.70	Med.-coarse gr. graphic granite predom.;		35.0	36.0	1.0 m.	0.01
		100%	70-90% feld., 5-30% qtz.; up to 1-2%		36.0	37.0	1.0 m.	0.01

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 4 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			green musc., trace amounts of fine-coarse		37.0	38.0	1.0 m.	0.01
			gr. tourm.		38.0	39.0	1.0 m.	0.00
					39.0	40.0	1.0 m.	0.00
					40.0	41.0	1.0 m.	0.00
41.35	43.28	1.90	Predom. med.gr. feld.-rich zone; 80-90%		41.0	42.0	1.0 m.	0.00
		98%	feld., 10-20% qtz., up to 5% med.gr.		42.0	43.0	1.0 m.	0.00
			green musc.; v. fine gr. accessory					
			tourm.; abundant Mn-Fe stain, perthitic					
			domains.					
43.28	45.35	2.07	Coarse gr. graphic granite zone; 70-90%		43.0	44.0	1.0 m.	0.01
		100%	feld., 10-30% qtz., up to 3% green		44.0	45.0	1.0 m.	0.01
			musc., fine gr. accessory tourm.					
45.34	47.40	2.01	Coarse gr. feld. rich zone; 70-90%		45.0	46.0	1.0 m.	0.00
		98%	feld., 10-30% qtz., up to 5% green		46.0	47.0	1.0 m.	0.01
			musc., accessory fine gr. tourm., some					
			zones of feld. have an olive-green					
			alteration, minor graphic granite;					
			musc. bladed in places.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 5 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
47.40	48.20	0.80	V. coarse gr. qtz.-rich zone; 70-90%		47.0	48.0	1.0 m.	0.01
		100%	qtz., up to 30% green musc., up to					
			2% feld. in places; one 10 cm. long					
			tourm. crystal.					
48.20	62.50	13.95	Med. coarse gr. feld. zone; minor graphic		48.0	49.0	1.0 m.	0.01
		98%	granite; 70-80% feld., 20-30% qtz.,		49.0	50.0	1.0 m.	0.00
			2-4% green musc., local concentrations		50.0	51.0	1.0 m.	0.00
			of aligned, fine gr. tourm., accessory		51.0	52.0	1.0 m.	0.00
			garnet, trace cubic pyrite; Mn-Fe stain;		52.0	53.0	1.0 m.	0.02
			51.50-51.80: qtz. rich band,		53.0	54.0	1.0 m.	0.01
			v. coarse gr., 80% qtz., 20% green		54.0	55.0	1.0 m.	0.00
			musc., minor feld.		55.0	56.0	1.0 m.	0.01
					56.0	57.0	1.0 m.	0.01
62.50	81.60	18.91	Med. gr. feld. zone; distinguished		57.0	58.0	1.0 m.	0.05
		99%	from other zones by tourm.-garnet bands		58.0	59.0	1.0 m.	0.01
			and olive-green feld. alteration; 50-60%		59.0	60.0	1.0 m.	0.00
			feld., 20-30% qtz., up to 5% green		60.0	61.0	1.0 m.	0.00
			musc., minor pyrite, accessory tourm.-garnet		61.0	62.0	1.0 m.	0.01
			except in bands-zones where they are		62.0	63.0	1.0 m.	0.00
			concentrated, bands-zones are fine-med.		63.0	64.0	1.0 m.	0.01

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 6 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			gr. with up to 80% tourm.-garnet, altered		64.0	65.0	1.0 m.	0.00
			green feld., bands-zones are 2-70 cm.		65.0	66.0	1.0 m.	0.01
			long;		66.0	67.0	1.0 m.	0.00
			71.40-71.50: gouge zone, highly		67.0	68.0	1.0 m.	0.01
			Mn-Fe stained,		68.0	69.0	1.0 m.	0.00
			72.75-77.70: tourm.-gt. more		69.0	70.0	1.0 m.	0.00
			evenly distributed however a few		70.0	71.0	1.0 m.	0.00
			bands are still observed,		71.0	72.0	1.0 m.	0.00
			73.80-74.00, 74.30-74.70: two		72.0	73.0	1.0 m.	0.00
			small shear zones with much Mn-Fe.		73.0	74.0	1.0 m.	0.01
					74.0	75.0	1.0 m.	0.01
					75.0	76.0	1.0 m.	0.00
81.60	81.95	0.29	Aldridge Fm.; fine gr. greenish-grey		76.0	77.0	1.0 m.	0.00
		83%	to brown micaceous arenite; laminated		77.0	78.0	1.0 m.	0.00
			to thinly bedded, bedding to core axis		78.0	79.0	1.0 m.	0.01
			is 75° to 80°; micaceous partings;		80.0	81.0	1.0 m.	0.00
			lower contact with pegmatite parallels		81.0	82.0	1.0 m.	0.01
			bedding of seds.					
81.95	82.80	0.85	Med. to coarse gr. feld. rich pegmatite;		82.0	83.0	1.0 m.	0.01
		100%	60-70% feld.; 20-30% qtz., 2% musc.,					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 7 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			accessory garnet, minor py; feld.					
			altered green in places.					
82.80	83.60	0.80	Aldridge Fm.; greenish-grey f. gr.					
		100%	micaceous arenite, bedding is 80°					
			to core axis; minor tourm.; biotite					
			and py along bedding planes.					
83.60	86.75	3.10	Med. to coarse gr. pegmatite; 60% feld.;		83.6	84.0	0.4 m.	0.01
		98%	20-40% qtz.; up to 5% musc.; minor		84.0	85.0	1.0 m.	0.01
			py, garnet; green altered feld.		85.0	86.0	1.0 m.	0.01
					86.0	87.0	1.0 m.	0.00
86.75	88.26	1.51	Aldridge Fm.; greenish-grey f. gr.					
		100%	micaceous arenite; bedding 60° to core					
			axis; pyritic; micas are recrystallized					
			along bedding planes.					
88.26	94.25	6.20	Predom. coarse gr. with some med. gr.		88.0	89.0	1.0 m.	0.00
		100%	zones of feld. rich pegmatite; 70-100%		89.0	90.0	1.0 m.	0.00
			feld.; 0-30% qtz.; up to 3% musc.;		90.0	91.0	1.0 m.	0.01

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 8 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			accessory tourm., garnet; py blebs		91.0	92.0	1.0 m.	0.01
			common; green altered feld., some perthitic		92.0	93.0	1.0 m.	0.00
			texture,		93.0	94.0	1.0 m.	0.00
			89.95-90.35: qtz. rich seam,					
			pyritic and Aspy?; qtz. 90%; feld.					
			10%,					
			90.40 - 90.70: v. soft, weathered					
			micaceous zone; Fe stained.					
94.25	110.64		Aldridge Fm.; greenish-grey, f. gr.					
			micaceous arenite; crenulated micas,					
			95.50-96.05: pegmatite sill-contact					
			sub parallel to bedding; med.					
			gr., pyritic,					
			thin-med. bedded, becoming less micaceous					
			with depth, qtz. stringers (1.0 to					
			2.0 cm. wide) at 103.45 m.; at 105.55					
			m.; at 105.85 m., at 107.65 m; Siderite					
			present in qtz. vein.					

DIAMOND DRILL RECO

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-1

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-1 Sheet No. 9
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			108.20-108.32: med. gr. pegmatite				
			seam; 80% feld..; 20% qtz.; accessory				
			tourm.				
			110.60-110.64: Intervals of abundant				
			Fe stain.				
	110.64	E.O.H.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 1 Lat. Total Depth 67.66 m.
Section Dep. Logged By M.P.
Date Begun October 29, 1984 Bearing vertical Claim
Date Finished October 30, 1984 Elev. Collar 1295.7 m. Core Size HQ.
Date Logged October 30, 1984

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0	2.74	0%	Casing - overburden					
2.74	3.35	0.61 m.	Fine gr. feldspathic zone; 75% cream					
		100%	coloured feldspar; up to 15-20% grey					
			quartz; approx. 5% green muscovite;					
			Tr.v. f. gr. tourmaline					
			- fracturing near top of hole indicates					
			minor shearing at 60° to core axis					
			- Mn and Fe stain common					
3.35	4.06	0.71 m.	F. gr. to med. gr. graphic granite zone		2.7	4.0	1.7 m.	0.03
		100%	(predominantly); 75-80% feld.; 15% qtz.;					
			5% musc.; Tr. f. gr. tourm.					
			- massive grey qtz. pod present from					
			3.77 to 3.96 m.; vugs					
			- v. minor Fe and Mn stain					
4.06	5.06	1.00 m.	Med. gr. feldspathic zone; 65-70% feld.;		4.0	5.0	1.0 m.	0.01
		100%	up to 20% qtz.; 10-15% green musc.; minor					
			Mn and Fe stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 2 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
5.06	5.41	0.35 m.	F. gr. feld. zone; similar to 2.74 m. to					
		100%	3.35 m.; massive.					
5.41	5.66	0.25 m.	Med. gr. feld. zone; similar to 4.06 to		5.0	6.0	1.0 m.	0.02
		100%	5.06 m.					
5.66	6.86	1.20 m.	Med. to coarse gr. pegmatite; 70-75% feld.;		6.0	7.0	1.0 m.	0.01
		100%	up to 20% qtz.; up to 10% green musc.;					
			1% accessory tourm. (which occurs in coarser					
			gr. zones)					
			- Minor Mn and Fe stain along fractures.					
6.86	7.46	0.60 m.	F. gr. feldspathic zone; 55-60% feld.;		7.0	8.0	1.0 m.	0.01
		100%	30-35% qtz.; up to 5% grey musc.					
			- some feld. are mottled in appearance					
			- indurated metamorphosed rock.					
7.46	8.23	0.76 m.	Med. gr. feldspathic zone; up to 80% feld.;		8.0	9.0	1.0 m.	0.01
		99%	15% qtz.; 5% green musc.; Tr med. gr.					
			tourm.; Tr pink garnet; Tr py.					
			- Fe and Mn stain; accessory minerals					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			appear to be assoc. with altered zones.					
8.23	11.58	1.77 m. 53%	Intensely sheared f. gr. feldspathic zone; 65-70% feld.; 20-25% qtz.; 5-10% musc.; up to 2% tourm.; Tr garnet; Tr f. gr. py. - feld altering to clays; musc. occurs as segregations exhibiting metamorphic flow texture subparallel to core axis - Mn and Fe stain		9.0	10.0	1.0 m.	0.01
					10.0	11.0	1.0 m.	0.00
					11.0	12.0	1.0 m.	0.01
11.58	12.68	1.05 m. 95%	F. gr. feld.- rich zone; similar to 6.86 to 7.46 m.		12.0	13.0	1.0 m.	0.01
12.68	14.01	1.33 m. 100%	Med. gr. feldspathic zone; 80% feld.; 15% qtz.; up to 5% musc.; Tr f. gr. tourm.; Tr f. gr. py. - Feld. are commonly altered green - Abundant Fe stain with minor Mn stains along some fractures.		13.0	14.0	1.0 m.	0.02

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 4 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
14.01	17.45	3.44 m.	Predom. f. gr. with some med. gr. sections		14.0	15.0	1.0 m.	0.03
		100%	of feldspathic pegmatite; up to 75% feld.;		15.0	16.0	1.0 m.	0.01
			up to 20% qtz.; up to 5% musc.; 1-2% v. f.		16.0	17.0	1.0 m.	0.01
			gr. tourm. clusters; up to 1% f. gr. pink					
			garnets; up to 1% po and f. gr. py; Tr cp.					
			- Feld. and most muscovite is altered					
			green					
			- Sulfides occur in vugs and along					
			fractures					
			- V. minor Fe stain.					
17.45	21.50	4.05 m.	Med. to predom. f. gr. feld.- rich zone;		17.0	18.0	1.0 m.	0.01
		100%	70-75% med, to f. gr. feld.; 15% med. to		18.0	19.0	1.0 m.	0.02
			f. gr. qtz.; 3-5% med. gr. green musc.;		19.0	20.0	1.0 m.	0.01
			up to 5% f. gr. tourm. (which occurs in		20.0	21.0	1.0 m.	0.02
			clusters and randomly oriented bands);		21.0	22.0	1.0 m.	0.00
			accessory garnet; Tr py.					
			- Minor Fe and Mn stain along fractures.					
21.50	22.77	1.18 m.	Med. to predom. f. gr. feld. zone; rock		22.0	23.0	1.0 m.	0.02
		93%	is more fractured and tourm. is less					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 5 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO			
			abundant (approx. 2%); no visible sulfides;								
			similar to 17.45 to 21.50 m.								
22.77	23.33	0.56 m.	Med. to predom. f. gr. feld. zone; no		23.0	24.0	1.0 m.	0.01			
		100%	sulfides visible; similar to 17.45 to								
			21.50 m.								
23.33	24.25	0.92 m.	Slightly sheared med. gr. feld.-rich		24.0	25.0	1.0 m.	0.02			
		100%	pegmatite; 70% feld.; up to 25% qtz.;								
			5% c. gr. musc.; Tr tourm. and garnet.								
			- Minor Mn and Fe stain.								
24.25	26.00	1.75 m.	Med. to predom. f. gr. feld. zone; Fe and		25.0	26.0	1.0 m.	0.04			
		100%	Mn stain; similar to 22.77 to 23.33 m.								
26.00	26.65	0.65 m.	Intensely sheared fault zone; gouge con-		26.0	27.0	1.0 m.	0.01			
		100%	sists of approx. 60% altered feld.; approx.								
			30% musc.; approx. 10% qtz.								
26.65	30.40	3.75 m.	Med. gr. feld.- rich pegmatite; 75% feld.;		27.0	28.0	1.0 m.	0.04			
		100%	15-20% qtz.; 3-5% musc.; up to 2% f. gr.		28.0	29.0	1.0 m.	0.02			

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 6 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO			
			tourm.; Tr garnet.		29.0	30.0	1.0 m.	0.01			
			- Minor Mn and Fe stain; more abundant		30.0	31.0	1.0 m.	0.02			
			along fractures.								
30.40	30.90	0.50 m.	Med. gr. graphic granite zone; 80% feld.;								
		100%	15-20% qtz.; approx. 5% musc.; accessory								
			f. gr. tourm.; Tr med. gr. pink garnets;								
			negligible alteration or staining.								
30.90	31.40	0.50 m.	Predom. med. gr. inequigranular feld.-		31.0	32.0	1.0 m.	0.02			
			rich zone; up to 70% feld.; 15-20% qtz.;								
			up to 5% f. gr. tourm.; up to 5% green								
			musc.; up to 3% pink f.-med. gr. garnets								
			(present in upper 8.0 cm. of section); Tr								
			f. gr. py.; tourm. occurs in clusters.								
			- V. minor Fe stain.								
31.40	32.01	0.61 m.	Med. to predom. f. gr. feld.- rich zone;								
		100%	75-80% feld.; up to 15% qtz.; 3-5% musc.;								
			3-5% f. gr. tourm.; Tr. py.								
			- Core is fractured and abundant Mn and								

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** ~~DDH-84-2~~

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 7 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			Fe stain is present.					
32.01	33.90	1.57 m.	Med. to c. gr. feld.-rich inequigranular		32.0	33.0	1.0 m.	0.02
		83%	pegmatite; 65-70% feld.; 15-20% qtz.;		33.0	34.0	1.0 m.	0.02
			5-8% musc.; up to 3% f. gr. tourm.; Tr.					
			py.; Tr. garnet.					
			- Fe stain.					
33.90	35.26	1.36 m.	F. gr. graphic to aplitic feld.-rich zone		34.0	35.0	1.0 m.	0.04
		100%	distinguished by bands richer in f. gr.					
			tourm. and coarser gr. qtz.; 60-65% feld.;					
			20-30% qtz.; up to 3-5% musc.; approx. 4%					
			tourm.; accessory garnet; Tr. cubic py.					
			crystals.					
			- Banding is approx. 30-40° to core axis.					
			- Minor Fe stain.					
35.26	35.68	0.42 m.	Predom. med. gr. feld.-rich zone with		35.0	36.0	1.0 m.	0.04
			common graphic texture; 65-70% feld.;					
			approx. 20% qtz.; 5-10% musc.					
			- Mn and Fe stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 8 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
35.68	37.97	2.29 m.	Banded graphic to aplitic feld.-rich zone;		36.0	37.0	1.0 m.	0.01
		100%	similar to 33.90 to 35.36 m.; more sulfides;		37.0	38.0	1.0 m.	0.02
			1% vug-filling py; Tr. po; 1-2% garnet					
			clusters.					
			- Banding is commonly at approx. 60° to					
			core axis.					
37.97	40.53	2.56 m.	F. to predom. med, gr. graphic granite;		38.0	39.0	1.0 m.	0.01
		100%	approx. 70% feld.; 20-25% qtz.; up to 5%		39.0	40.0	1.0 m.	0.02
			f. gr. tourm.; 3-5% musc.; Tr. py.					
			- Fe stain.					
40.53	40.93	0.40 m.	C. gr. pegmatite; 60-65% feld.; up to		40.0	41.0	1.0 m.	0.08
		100%	25% qtz.; approx. 10% musc.; approx. 3%					
			f. gr. tourm.					
			- Fe and Mn stain.					
40.93	42.53	1.60 m.	F. to predom. med. gr. graphic granite;		41.0	42.0	1.0 m.	0.02
		100%	similar to 37.97 to 40.53 m.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 9
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
42.53	43.26	0.73 m.	Banded graphic to aplitic feld.-rich		42.0	43.0	1.0 m.	0.02
		100%	zone; banding is perpendicular to core					
			axis; similar to 35.68 to 37.97 m.					
43.26	43.67	0.41 m.	Med. gr. inequigranular feld.-rich zone;		43.0	44.0	1.0 m.	0.01
		100%	up to 65% feld.; 20-25% qtz.; approx. 5%					
			musc.; accessory py.					
			- Mn and Fe stain.					
43.67	44.12	0.45 m.	C. gr. feld.-rich zone; approx. 90-95%					
			mottled grey feld.; up to 5% qtz.; approx.					
			3% musc,; accessory garnets.					
			- Mn and Fe stain.					
44.12	45.56	1.44 m.	Banded f. gr. to aplitic feld. zone;		44.0	45.0	1.0 m.	0.01
		100%	similar to 42.53 to 43.26 m.					
			- Abundant Fe and Mn stain.					
45.56	46.06	0.50 m.	C. gr. feld.-rich zone; similar to 43.67		45.0	46.0	1.0 m.	0.01
		100%	to 44.12 m.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 10
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
46.06	46.51	0.45 m.	Banded graphic to aplitic feld.-rich zone;		46.0	46.5	0.5 m.	0.03
		100%	similar to 42.53 to 43.26 m.					
46.51	47.60	1.09 m.	Aldridge Fm.: f. to med. gr. dk grey					
		100%	micaceous arenite; mineral content diffi-					
			cult to determine; pyritic; up to 2% f.					
			gr. dissem. and bleb-like py.; banding					
			subparallel to bedding (at approx. 60°					
			to core axis) is defined by coarser gr.					
			quartzo-feldspathic zones (1.0 mm. to					
			2.0 cm. wide) with occasional musc.-					
			sericite and feathery tourm. crystals;					
			soft green alteration present along					
			fractures.					
47.60	50.71	3.11 m.	Aldridge Fm.: similar to 46.51 to 47.60 m.					
		100%	but finer gr. size and purer (less musc.-					
			sericite); silicification in fractures.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 11 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
50.71	51.44	0.73 m.	Aplitic to c. gr. feld.-rich zone; 70-75%		50.77	51.47	0.7 m.	0.07
		100%	feld.; 25-30% qtz.; 2-3% f. gr. musc.; up					
			to 1% f. gr. garnets; zone is very equi-					
			granular with aplitic bands within coarser					
			ones.					
51.44	52.98	1.54 m.	Aldridge Fm.: similar to 46.45 to 47.60 m.					
		100%	but less musc. and more biotite; negligible					
			quartzo-feldspathic seams.					
52.98	54.50	1.52 m.	Aplitic to c. gr. feld.-rich zone; similar		52.98	53.68	0.7 m.	0.02
		100%	to 50.72 to 51.44 m. but with a gradational					
			zone into the Aldridge med. gr. micaceous					
			arenites.					
54.50	62.60	8.10 m.	Aldridge Fm.: micaceous arenite similar					
		100%	to 51.44 to 52.98 m.; up to 5% f. gr.					
			dissem., bleb-like, and fracture filling					
			py.; qtz. vein with 3% py.; green coloured					
			staining present from 62.02 to 62.09 m.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-2

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-2 Sheet No. 12 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
62.60	63.35	0.68 m.	Aldridge Fm.: similar to 54.50 to 62.02 m.;				
		91%	core is fractured.				
63.35	67.66	4.31 m.	Aldridge Fm.: similar to 54.50 to 62.60 m.;				
		100%	bedding is at approx. 70° to c. axis.				
	67.66		E.O.H.				

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 1 Lat. Total Depth 71.93 m.
Section Dep. Logged By M.P.
Date Begun October 31, 1984 Bearing 50° dip at 255° Claim
Date Finished November 3, 1984 Elev. Collar Core Size HQ.
Date Logged November 4 & 5, 1984

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin %BeO	Li ppm	
0	2.00	0%	Casing - overburden.								
2.00	4.87	2.58 m.	Med. gr. feld.-rich zone; 80-90% feld.; 10-20%		1.9	3.0	1.1 m.	0.01			
		90%	qtz.; up to 2-3% musc.; Tr tourm.; minor graphic		3.0	4.0	1.0 m.	0.01			
			granite domain.		4.0	5.0	1.0 m.	0.01			
			- Fe and Mn stain.								
4.87	6.09	1.22 m.	C. gr. feld.-rich zone; 90-95% feld.; up to 3%	4001	5.0	6.0	1.0 m.	0.01	0.011	12	
		100%	qtz.; up to 2-3% musc.; up to 8.0 cm. mono-								
			mineralic feld. domain.								
			- Minor Fe and Mn stain.								
6.09	7.96	1.87 m.	Med. gr. feld.-rich zone with abundant graphic		6.0	7.0	1.0 m.	0.02			
		100%	textured zones; approx. 80-85% feld.; up to		7.0	8.0	1.0 m.	0.01			
			10-15% qtz.; up to 5% musc.; up to 1-2% clusters								
			of f. g. tourm.; Tr dissem. and cubic py;								
			Tr garnet.								
			- Minor Fe and Mn stain.								
7.96	8.90	0.94 m.	Med. to c. gr. feld.-rich zone; approx. 80%		8.0	9.0	1.0 m.	0.01			
		100%	feld.; 10-15% qtz.; 5-6% green musc.; up to								

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 2 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin % BeO	Li ppm
			2% tourm. present in clusters.							
			- V. minor Fe and Mn stain.							
8.90	20.87	11.97 m	Predom. med. gr. feld.-rich zone, though unit		9.0	10.0	1.0 m.	0.01		
		100%	alternates between f. and coarser gr. domains	4002	10.0	11.0	1.0 m.	0.02	0.020	12
			of approx. the same mineralogical percentages;		11.0	12.0	1.0 m.	0.04		
			up to 80-90% feld.; up to 15% qtz.; up to 5%		12.0	13.0	1.0 m.	0.03		
			green musc.; up to 1% f. gr. tourm. (present		13.0	14.0	1.0 m.	0.04		
			mainly in finer gr. zones); up to 2% dissem.		14.0	15.0	1.0 m.	0.04		
			and cubic py; Tr garnet; Tr Mo?; Tr Aspy?;	4003	15.0	16.0	1.0 m.	0.05	0.046	19
			core is competant.		16.0	17.0	1.0 m.	0.04		
			- V. minor Fe and Mn stain.		17.0	18.0	1.0 m.	0.03		
			14.20 to 16.80 m.: altered feld. zone		18.0	19.0	1.0 m.	0.04		
			gives core in this section an olive hue.		19.0	20.0	1.0 m.	0.04		
			~~17.07 - 18.75 m.: fracture zone sub-~~	4004	20.0	21.0	1.0 m.	0.02	0.027	19
			~~parallel to core axis with abundant Mn~~		21.0	22.0	1.0 m.	0.01		
			~~and Fe stain.~~							
20.87	21.90	1.03 m.	F. gr. inclusion within med. gr. pegmatite;							
		100%	dk. black possibly due to v. f. gr. tourm.;							
			pegmatite is micaceous, very blocky and rich							

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDG-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 3
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin % BeO	Li ppm	
			in Mn and Fe stain.								
21.90	22.80	0.90 m.	Med. gr. feld.-rich zone; similar to 8.90 to		22.0	23.0	1.0 m.	0.04			
		100%	20.87 m.; minor olive green alteration of feld-								
			spars.								
22.80	23.03	0.23 m.	Inclusion similar to 20.87 to 21.90 m.; approx.								
		100%	1% dissem. py.								
23.03	55.86	32.83 m.	Feld.-rich zone similar to 8.90 to 20.87 m.		23.0	24.0	1.0 m.	0.03			
		100%	with predom. c. gr. zones and minor pink		24.0	25.0	1.0 m.	0.02			
			garnets; Tr f. gr. tourm.; olive green hue	4005	25.0	26.0	1.0 m.	0.04	0.010	17	
			within feld. is common within certain sections.		26.0	27.0	1.0 m.	0.03			
			25.26 to 26.01 m.: C. gr. pegm. zone;		27.0	28.0	1.0 m.	0.04			
			60-65% feld.; up to 25% musc.; up to 20%		28.0	29.0	1.0 m.	0.03			
			qtz.; Tr. tourm.; Mn and Fe stain.		29.0	30.0	1.0 m.	0.04			
			31.88 to 32.20 m.: Med. gr. feld.-rich	4006	30.0	31.0	1.0 m.	0.05	0.034	21	
			pegm. with altered musc. along fractures;		31.0	32.0	1.0 m.	0.04			
			45-55% feld.; up to 45% f. gr. green musc.;		32.0	33.0	1.0 m.	0.04			
			up to 2% qtz.		33.0	34.0	1.0 m.	0.01			
					34.0	35.0	1.0 m.	0.04			

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 4
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin % BeO	Li ppm	
			Fracture zones: 33.25 - 34.20 m.; Med.	4007	35.0	36.0	1.0 m.	0.05	0.035	24	
			gr. pegm. is brownish-black and highly		36.0	37.0	1.0 m.	0.04			
			altered with moderate amount of gouge		37.0	38.0	1.0 m.	0.04			
			present; abundant Mn and Fe stain.		38.0	39.0	1.0 m.	0.04			
			34.45 to 34.71 m.: fracturing similar to		39.0	40.0	1.0 m.	0.05			
			33.25 to 34.20 m. but not as altered to	4008	40.0	41.0	1.0 m.	0.06	0.039	37	
			gouge.		41.0	42.0	1.0 m.	0.04			
			36.98 to 37.30 m.: similar to 34.45 to		42.0	43.0	1.0 m.	0.03			
			34.71 m.		43.0	44.0	1.0 m.	0.05			
			51.00 to 55.86 m.: also fractured similar		44.0	45.0	1.0 m.	0.03			
			to 34.45 to 34.71 m. but more musc. is	4009	45.0	46.0	1.0 m.	0.03	0.024	26	
			present along fracture surfaces.		46.0	47.0	1.0 m.	0.03			
					47.0	48.0	1.0 m.	0.05			
					48.0	49.0	1.0 m.	0.03			
					49.0	50.0	1.0 m.	0.06			
				4010	50.0	51.0	1.0 m.	0.05	0.031	23	
					51.0	52.0	1.0 m.	0.03			
					52.0	53.0	1.0 m.	0.04			
					53.0	54.0	1.0 m.	0.03			
					54.0	55.0	1.0 m.	0.03			

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 5 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin % BeO	Li ppm
55.96	57.27	1.40 m.	F. gr. approaching an aplitic feld.-rich zone;	4011	55.0	56.0	1.0 m.	0.01	0.014	40
		100%	75-80% feld.; up to 10-15% qtz.; up to 3% med.		56.0	57.0	1.0 m.	0.00		
			gr. green musc. (which appears to be associated		57.0	58.0	1.0 m.	0.03		
			with qtz.-rich domains); 1% - Tr garnets; Tr							
			py; Tr tourm.; abundant Fe and Mn stain.							
57.27	63.86	6.60 m.	Predom. med. gr. feld.-rich zone with v. minor		59.0	60.0	1.0 m.	0.05		
		100%	graphic texture; similar to 23.03 to 55.86 m.	4012	60.0	61.0	1.0 m.	0.02	0.009	24
			but occasional coarse gr. feld. (up to 4.0 cm.		61.0	62.0	1.0 m.	0.01		
			diameter) present. Mottled grey feld. may be		62.0	63.0	1.0 m.	0.01		
			perthite. Contact with sediments is micaceous		63.0	64.0	1.0 m.	0.03		
			and altered green.							
63.86	64.47	0.61 m.	Aldridge Fm.: F. gr. micaceous pyritic dk. grey							
		100%	arenite; up to 2% dissem. py present mainly along							
			fractures. Bedding at approx. 30° to core axis.							
64.47	64.90	0.43 m.	Feld.-rich med. gr. to v. inequigranular zone;		64.0	64.9	0.9 m.	0.05		
		100%	slightly more abundant qtz. but similar to							
			23.06 to 55.86 m.							

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-3

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-3 Sheet No. 6 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO	TerraMin % BeO	Li ppm
64.90	65.07	0.17 m.	Aldridge Fm.: similar to 63.86 to 64.47 m.							
		100%								
65.07	67.88	2.81 m.	Feld.-rich med. gr. to inequigranular zone;	4013	65.0	66.0	1.0 m.	0.05	0.033	37
		100%	80-90% feld.; 10-20% qtz.; 1-2% musc.; Tr		66.0	67.0	1.0 m.	0.03		
			garnet; Tr py; some v.c. gr. mottled (perthite?)		67.0	68.0	1.0 m.	0.05		
			feld. present; qtz. is brownish to transparent;							
			some garnets altered green.							
			67.16 to 67.83 m.: abundant Fe and Mn							
			staining.							
67.88	71.93	4.05 m.	Aldridge Fm.: dk. grey greenish f. gr.							
		100%	micaceous arenite; thin bedded at 40-50° to							
			core axis.							
			70.10 to 70.20 m.; 71.15 - 71.20 m.:							
			Med. gr. feld.-rich pegm. sills.							
	71.93		E.O.H.							

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-4

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-4 Sheet No. 1
Section
Date Begun Nov. 3, 1984
Date Finished Nov. 4, 1984
Date Logged Nov. 6, 1984

Lat.
Dep.
Bearing 45° dip at 165°
Elev. Collar 1295.7 m.

Total Depth 10.97 m.
Logged By B.W.
Claim
Core Size HQ.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0.00	2.00	0%	Casing - overburden.					
2.00	4.50	2.40 m.	Med. gr. feld.-rich zone; 60-80% feld;		2.0	3.0	1.0 m.	0.02
		96%	20-30% qtz.; 1-3% green musc.; Tr tourm.;		3.0	4.0	1.0 m.	0.03
			Tr garnet; minor graphic granite; some		4.0	5.0	1.0 m.	0.02
			very coarse feld. crystals					
			- abundant Fe and Mn stain.					
4.50	6.65	2.20 m.	F. gr. to aplitic zone; 80% feld.; 15-20%		5.0	6.0	1.0 m.	0.03
		98%	qtz.; 2% musc.; Tr tourm.; Tr garnet;		6.0	7.0	1.0 m.	0.03
			minor py					
			- Mn stain.					
6.65	7.92	0.90 m.	Schistose sheared pegmatite; f. gr., dk.		7.0	7.92	0.92 m.	0.03
		71%	grey minerals unidentifiable; abundance					
			of musc. and qtz.					
7.92	9.45	0%	No core recovered; probable fault zone;					
			cuttings reveal micaceous gritty sand.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-4

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-4 Sheet No. 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
9.45	10.97	0.40 m.	Slightly schistose med. gr. feld.-rich		10.47	10.97	0.50 m.	0.00
		84%	pegmatite; 70-80% feld.; 10-20% qtz.;					
			2% musc.; Tr. tourm					
			- V. blocky core recovery.					
	10.97	m.	E.O.H.					
			N.B. Hole abandoned due to caving.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-5

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-5 Sheet No. 1 Lat.
Section Dep.
Date Begun Nov. 4, 1984 Bearing vertical
Date Finished Nov. 5, 1984 Elev. Collar 1378 m.
Date Logged Nov. 7 & 8, 1984

Total Depth 30.6 m.
Logged By M.P.
Claim
Core Size HQ.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0.0	7.75	0%	Casing - overburden.					
7.75	15.30	7.55 m.	Aldridge Fm.: grey to brown f. gr.					
		100%	micaceous arenite; v. block recovery;					
			gouge sometimes present; thin bedded sub-					
			parallel to core axis at top of section					
			changing gradationally to approx. 40° to					
			core axis					
			- abundant Fe stain.					
15.30	19.00	3.70 m.	Altered med. to c. gr. pegmatite; 50-55%		15.3	16.0	0.7 m.	0.01
		100%	feld.; up to 20% musc.; up to 15-20%		16.0	17.0	1.0 m.	0.01
			qtz.; up to 3% f. gr. and med. gr. tourm.;		17.0	18.0	1.0 m.	0.03
			up to 1% f. gr. garnets (assoc. with finer		18.0	18.9	0.9 m.	0.02
			gr. sections)					
			- Fe stain common.					
19.00	30.63	11.63 m.	Aldridge Fm.: dk. grey to brown f. gr.					
		100%	micaceous arenite; up to 1% dissem. py					
			- abundant Fe stain and Mn stain					
			- dk. grey sections (up to 12.0 cm. wide)					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-5

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-5 Sheet No. 2
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			exhibit a mottled texture from biotite-				
			rich concentrations; thinly bedded at				
			approx. 30° to core axis to 21.95 m.,				
			changing to approx. 50-60° to core axis				
			for remainder of hole; core is v. blocky.				
	30.63 m.		E.O.H.				

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** ~~DDH-84-6~~

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 1 Lat. _____ Total Depth ~~64.92~~ m.

Section _____ Dep. _____ Logged By M.P., B.W.

Date Begun November 6, 1984 Bearing Vertical Claim _____

Date Finished November 9, 1984 Elev. Collar 1378.0 m. Core Size HQ.

Date Logged November 11 & 12, 1984

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0.0	2.44	0%	Casing - overburden.					
2.44	5.20	2.34 m.	Predom. med. gr. pegmatite to feld.-rich		2.0	3.0	1.0 m.	0.01
		92%	zone; 60-85% creamy coloured to green					
			altered feld.; 15-40% qtz.; up to 5%		3.0	4.0	1.0 m.	0.00
			greyish coloured musc.; up to 2% f. to					
			med. gr. tourm.; graphic granite present		4.0	5.0	1.0 m.	0.00
			- at 4.80 m. and from 4.98 to 5.10 m.:					
			~~inclusion of dk. grey-black f. gr. tourm.-~~					
			rich sediment within the pegmatite					
			- abundant Fe stain.					
5.20	12.19	6.99 m.	Aldridge Fm.: Dk. grey to brown predom. f.					
		100%	to med. gr. micaceous arenite; thinly					
			bedded at approx. 50 to 60° to core axis;					
			bands of up to 2.0 cm. width exhibit a					
			"spotty" texture resulting from coarser					
			feld.(?) and/or f. gr. tourm. within					
			micaceous arenite; contact with lower					
			pegmatite is at 40° to core axis					
			- abundant Fe stain and minor Mn stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 2 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
12.12	15.32	3.10 m.	C. to v. c. gr. feld.-rich pegmatite;		12.19	13.0	0.81 m.	0.00
		99%	75-95% feld.; 0-20% qtz.; up to 15% musc.;		13.0	14.0	1.0 m.	0.21
			Tr tourm.; perthitic?; green to yellow		14.0	15.0	1.0 m.	0.00
			feld. alteration; cluster of five sub-					
			hedral creamy coloured beryl crystals					
			measure approx. 4.0 cm. diameter (at					
			13.25 to 13.40 m.); beryl crystals are					
			rimmed by f. gr. musc.					
			- abundant Fe staining.					
15.32	18.10	2.78 m.	Predom. med. gr. pegmatite-feld.-rich		15.0	16.0	1.0 m.	0.01
		100%	zone; 60-80% feld.; 10-30% qtz.; 2-5%		16.0	17.0	1.0 m.	0.01
			musc. with some local concentrations up		17.0	18.0	1.0 m.	0.00
			to 20%; accessory tourm. and pink garnets;					
			green alteration of some feld. zones;					
			minor graphic granite					
			- minor Fe staining.					
18.10	18.70	0.60 m.	C. gr. feld. block; 95-98% feld.; up to		18.0	19.0	1.0 m.	0.01
		100%	5% qtz.; accessory musc. and tourm.;					
			perthitic?; minor graphic granite.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
18.70	20.50	1.80 m.	Med. to c. gr. feld.-rich pegmatite		19.0	20.0	1.0 m.	0.00
		100%	distinguished by creamy-coloured feld.		20.0	21.0	1.0 m.	0.00
			and abundance of c. gr. tourm.; 60-85%					
			feld.; 10-25% qtz.; 2-5% musc.; up to 1%					
			f. and c. gr. tourm.; minor graphic					
			granite.					
20.50	21.90	1.35 m.	C. gr. feld. block; 90-98% feld.; 0-10%		21.0	22.0	1.0 m.	0.00
		96%	qtz.; accessory musc.; mottled perthitic					
			texture, minor Fe staining.					
21.90	22.70	0.80 m.	Med. to c. gr. feld.-rich zone; 80-90%		22.0	23.0	1.0 m.	0.00
		100%	creamy-coloured feld.; 10% qtz.; 1% f.					
			and c. gr. tourm.; 1-2% musc.; accessory					
			pink garnet in a single band; graphic					
			granite.					
22.70	25.70	2.95 m.	F. gr. feld.-rich pegmatite; 70-80% feld.;		23.0	24.0	1.0 m.	0.00
		98%	10-20% qtz.; 1-2% f. gr. tourm.; up to 1%		24.0	25.0	1.0 m.	0.01
			musc.; accessory garnet; some Mn staining.		25.0	26.0	1.0 m.	0.01

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 4
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
25.70	28.10	2.35 m.	C. to v. c. gr. feld.-rich pegmatite; 60-		26.0	27.0	1.0 m.	0.00
		98%	90% feld.; 10-40% qtz.; up to 1% musc.;		27.0	28.0	1.0 m.	0.00
			accessory tourm.; mottled perthitic feld.;					
			yellow-green feld. alteration also common:					
			26.30 to 26.35 m.: black, micaceous					
			inclusion, f. gr., siliceous arenite (?).					
28.10	29.87	1.55 m.	Aldridge Fm.: dk. grey to black, f. gr.					
		88%	micaceous arenite; thinly bedded; med. gr.					
			white blebs (possibly the result of the					
			contact with the pegmatite):					
			28.35 to 28.55 m.: v. c. gr.					
			pegmatite sill; 50% qtz.; 50% feld.;					
			accessory musc.; bedding to core					
			axis is 25°.					
29.87	31.39	0.40 m.	Qtz. zone; v. blocky recovery; 95% qtz.;					
		26%	5% feld.					
31.39	35.15	2.70 m.	C. gr. feld.-rich pegmatite; 80-90%		31.0	33.0	2.0 m.	0.00
		72%	feld.; 5-20% qtz.; up to 1% musc.;		33.0	34.0	1.0 m.	0.00

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 5 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			abundant Fe staining:		34.0	35.0	1.0 m.	0.01
			31.45 to 31.70 m. and 33.85 to					
			34.14 m.: black, micaceous, f. gr.					
			inclusions; possibly sedimentary					
			xenoliths (remnant bedding noted).					
			- zone has blocky recovery.		35.0	35.66	0.66 m.	0.02
35.15	37.60	2.35 m.	Aldridge Fm.: brown to grey, f. gr.					
		96%	micaceous arenite; thinly bedded at 20° -					
			30° to core axis.					
37.60	42.20	3.75 m.	Predom. med. gr. feld.-rich zone; numerous		37.5	39.0	1.50 m.	0.02
		82%	small sedimentary inclusions; 90-95%		39.0	40.0	1.0 m.	0.12
			feld.; 0-5% qtz.; 0-5% musc.; local		40.0	41.0	1.0 m.	0.03
			accessory tourm. and garnet present; feld.		41.0	42.0	1.0 m.	0.00
			exhibit mottled texture; upper contact					
			with sediments is defined by a 20.0 cm.					
			qtz. zone; v. blocky recovery					
			- Minor Fe and Mn stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 6
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
44.20	44.60	2.40 m.	Aldridge Fm.: brownish to predom. grey					
		100%	f. to med. gr. micaceous arenite; thinly					
			bedded at 20° to 30° to core axis;					
			unidentifiable whitish subrounded minerals					
			present.					
44.60	46.02	1.36 m.	Predom. med. gr. to c. gr. pegmatite zone;		44.6	46.0	1.4 m.	0.00
		96%	55-60% feld.; 15-40% qtz.; 5-10% musc.;					
			accessory garnets and tourm. present					
			locally; up to 1% dissem. f. gr. py;					
			upper contact with sediments is qtz. rich;					
			minor shearing present					
			- Fe stain common.					
46.02	48.81	2.79 m.	Predom. med. gr. feld.-rich zone; 80-90%		46.0	47.0	1.0 m.	0.14
		100%	feld.; 5-20% qtz.; up to 2% musc.; Tr f. gr.		47.0	48.0	1.0 m.	0.00
			dissem. py; Tr tourm.; graphic texture is					
			present from 46.93 m. to 47.53 m.					
			- the last 30.0 cm. of section is much					
			finer gr. and hosts more abundant f. gr.					
			py and tourm.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 7
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			- Fe stain present and minor Mn stain.					
48.81	49.72	0.90 m.	Aldridge Fm.: Dk. grey to black f. gr.		48.0	49.0	1.0 m.	0.00
		100%	micaceous arenite; "spotty" texture					
			resulting from unidentifiable altered					
			whitish mineral.					
49.72	51.31	1.51 m.	Predom. med. gr. feld.-rich zone; approx.		49.72	51.0	1.0 m.	0.02
		95%	90% feld.; up to 5-8% qtz.; 0-3% musc.;					
			Tr f. gr. tourm. and dissem. py.; upper					
			30.0 cm. hosts f. gr. tourm. and feld. are					
			altered green; qtz. band from 49.95 to					
			50.01 m.					
			- Fe stain common.					
51.31	52.48	1.10 m.	C. gr. blocky, feld.-rich zone; 95-98%		51.0	52.0	1.0 m.	0.01
		100%	feld.; 2-5% qtz.; up to 2% musc.; Tr f.		52.0	53.0	1.0 m.	0.07
			gr. tourm.; Tr py and poss. Aspy.; feld.					
			exhibits a mottled texture; perthite?					
			- minor Fe stain present.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-6

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-6 Sheet No. 8 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
52.43	57.10	4.67 m.	Predom. med. gr. feld.-rich zone; 85-95%		53.0	54.0	1.0 m.	0.01
		100%	feld.; 3-10%qtz.; 0-5% musc.; Tr garnets,		54.0	55.0	1.0 m.	0.00
			f. gr. tourm.and py; feld. are occasionally		55.0	56.0	1.0 m.	0.00
			altered green; qtz. content seems to increase		56.0	57.1	1.1 m.	0.02
			slightly with depth:					
			55.21 to 55.37 m.: v. f. gr. feld.-					
			rich zone with f. gr. tourm.					
			56.10 to 56.45 m.: graphic textured					
			pegmatite.					
			- minor Fe staining.					
57.10	64.92	7.60 m.	Aldridge Fm.: brown to grey f. gr.					
		97%	micaceous arenite; approx. 1% dissem. py,					
			po; thinly bedded at 60-70° to core axis;					
			core is very blocky but becomes more com-					
			petent with depth; banding is v. distinct					
			near bottom of hole. Upper contact with					
			peqm.: 30.0 cm. of dk. black tourm.-rich					
			sedimentary band; contact is subparallel to					
			bedding					
	64.92	E.O.H.	- abundant Fe and Mn stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 1 Lat.
Section Dep.
Date Begun November 10, 1984 Bearing 180° - 45°
Date Finished November 17, 1984 Elev. Collar 1296 m.
Date Logged November 18-20, 1984

Total Depth 143.0 m.
Logged By M.P.
Claim
Core Size HQ.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
0.0	1.45	0%	Casing - overburden.					
1.45	3.09	1.64 m.	Med. to predom. f. gr. feld.-rich peg.;		1.45	2.0	0.55 m.	0.00
		100%	90-95% feld., 2-5% qtz.; 2-5% musc.; 1%		2.0	3.0	1.0 m.	0.00
			f. gr. tourm.; Tr py.					
			Core is blocky towards top of hole, Mn and Fe stain common, especially along fractures.					
3.09	4.14	1.02 m.	Coarse to predom. med. gr. graphic textured		3.0	4.0	1.0 m.	0.01
		97%	feld.-rich peg.; 85-90% feld.; 5-10% qtz.;					
			2-4% musc.; Tr f. gr. tourm.; and garnets.					
			Fe and minor Mn staining present.					
4.14	4.79	0.65 m.	Predom. med. to f. gr. peg.; 55-75% feld.;		4.0	5.0	1.0 m.	0.04
		100%	15-25% qtz.; 10-15% musc.; up to 2% f. gr.					
			tourm. Fe and Mn staining present.					
4.79	15.66	10.87 m.	Fine to med. gr. feld.-rich graphic textured		5.0	6.0	1.0 m.	0.00
		100%	and aplitic peg.; 80-90% feld.; 5-10%		6.0	7.0	1.0 m.	0.03
			qtz.; up to 4-5% musc.; up to 1-2% f. gr.		7.0	8.0	1.0 m.	0.01

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 2 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			tourm.; approx. 1% local concentrations of		8.0	9.0	1.0 m.	0.03
			garnet, Tr py and v. minor amount of		9.0	10.0	1.0 m.	0.02
			silvery-grey metallic mineral (possibly		10.0	11.0	1.0 m.	0.00
			Asp).		11.0	12.0	1.0 m.	0.02
			- Feld. are occasionally altered green		12.0	13.0	1.0 m.	0.01
			- Musc. is more abundant in coarser grained		13.0	14.0	1.0 m.	0.02
			and stained sections where graphic texture		14.0	15.0	1.0 m.	0.01
			obscure		15.0	16.0	1.0 m.	0.01
			- Garnets occur in f. gr. sections					
			- Tourm. exhibit a v. indistinct banding					
			- Some aplitic zones 1-3 m. long					
			- Minor Fe and Mn stain					
			- The following sections are of similar					
			mineralogical composition but do not					
			exhibit graphic or aplitic textures.					
			7.11-7.31 m., 8.10-8.42 m., 13.21-					
			13.72 m.					
15.66	18.95	2.73 m.	Med. to predom. f. gr. slightly sheared		16.0	17.0	1.0 m.	0.01
		83%	peg. with minor graphic texture, 80-85%		17.0	18.0	1.0 m.	0.04
			feld.; up to 5-15% qtz.; 0-5% musc.;		18.0	19.0	1.0 m.	0.02

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 3 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			Tr. tourm. and py.					
			- Abundant Fe and Mn stain					
			- Coarser zones appear to correspond					
			to higher beryllometer results.					
18.95	20.08	0.93 m.	Intensely sheared zone; peg. is extremely		19.0	20.0	1.0 m.	0.01
		82%	altered to a clay-rich gouge. Shearing is					
			sub-parallel to core axis. Qtz. seam					
			(30 cm. wide) present at top of shear, 1%					
			altered py crystals occur in qtz.					
			- Mn and Fe stain.					
20.08	21.34	1.04 m.	Moderately sheared peg.; similar to 15.66		20.0	21.0	1.0 m.	0.01
		83%	to 18.95 m.					
21.34	24.29	2.85 m.	Predom. f. gr. to aplitic feld.-rich zone		21.0	22.0	1.0 m.	0.01
		97%	with minor graphic textured zones, 80-90%		22.0	23.0	1.0 m.	0.02
			feld.; 10-15% qtz.; 1-2% musc.; Tr tourm.		23.0	24.0	1.0 m.	0.02
			and garnet. Some sections feld. altered					
			green					
			- Minor Mn and Fe stain.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 4 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
24.29	32.73	8.44 m.	Predom. med, gr. commonly graphic textured		24.0	25.0	1.0 m.	0.02
		100%	feld.-rich peg. with coarser gr. sections,		25.0	26.0	1.0 m.	0.01
			80-90% feld.; 10-15% qtz.; 2-3% predom.		26.0	27.0	1.0 m.	0.01
			green musc.; up to 1% f. gr. tourm., Tr		27.0	28.0	1.0 m.	0.01
			py and garnet. Minor sections approach		28.0	29.0	1.0 m.	0.03
			aplite, tourm. is concentrated in local		29.0	30.0	1.0 m.	0.00
			band.		30.0	31.0	1.0 m.	0.02
			- Minor Fe and Mn stain.		31.0	32.0	1.0 m.	0.01
					32.0	33.0	1.0 m.	0.01
32.73	34.50	1.77 m.	Shear zone, f. gr. dark grey metamorphased		33.0	34.0	1.0 m.	0.01
		100%	peg. bounding shear, schistocity sub-		34.0	35.0	1.0 m.	0.01
			parallel to core axis, shear consists of					
			highly altered feld. and micas. Above the					
			highly sheared zone is a 30.0 cm. pyritic					
			qtz. vein.					
			- Minor Fe stain.					
34.50	39.0	4.50 m.	C. to predom. med, gr. quartzo-feld.		35.0	36.0	1.0 m.	0.05
		100%	zone, 50-60% feld.; 20-40% qtz.; 2-3%		36.0	37.0	1.0 m.	0.03
			musc.; Tr. tourm., py and garnet. Olive		37.0	38.0	1.0 m.	0.04

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 5 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			green alteration of feld. common. Feld.		38.0	39.0	1.0 m.	0.01
			content increases up to 80% in bottom 1.0 m.					
			- Minor graphic textured zones					
			- Abundant Fe stain, minor Mn					
			- Zone corresponds to higher beryllometer					
			readings.					
39.0	44.60	5.60 m.	Predom. med, gr. feld.-rich peg., 75-85%		39.0	40.0	1.0 m.	0.01
		100%	feld.; 10-25% qtz., 2-3% musc.; Tr. tourm,		40.0	41.0	1.0 m.	0.00
			garnet and py		41.0	42.0	1.0 m.	0.00
			- Minor graphic texture, last 1.0 m. is		42.0	43.0	1.0 m.	0.01
			coarser gr. and exhibits perthitic texture		43.0	44.0	1.0 m.	0.04
			- Mn and Fe stain.		44.0	45.0	1.0 m.	0.01
44.60	118.10	71.8 m.	Aldridge Fm. dark grey, fine gr, micaceous					
		98%	arenite, Tr py and po, poorly bedded to					
			massive, v. minor spotted hornfels related					
			to contact with peg.; numerous small qtz.					
			veins often with py present					
			Numerous peg. seams occur within the Aldridge					
			at:					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 6
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
			48.35-48.50 m., predom. med. gr. feld.-					
			rich seam, 80-90% feld.; 5-10% qtz.;					
			2-3% musc.					
			48.80-50.0 m. - same as above					
			50.40 - 50.6 m. - same as above					
			52.10-52.20 m., 10 cm. qtz. vein					
			61.75-62.80 m., med gr, peg. has minor		61.75	63.0	1.25 m.	0.17
			graphic texture and green alteration,					
			contact sub-parallel with bedding, a					
			coarser 10.0 cm. zone hosts a cluster					
			of coarse beryl crystals.					
			74.70-74.73 m., med. gr. peg.					
			80.64-80.80 m., med. gr. peg.					
			81.07-81.17 m., med. gr. peg.					
			86.50-86.75 m., med. gr. peg.					
			91.90-91.92 m., qtz. seam with tr. py					
			94.80-94.90 m., med. gr. peg.					
			95.10-95.25 m., med. gr. peg.					
			100.30-100.35 m., med. gr. peg.					
			105.05-106.10 m., c. gr. qtzo.-feld.					
			peg., up to 50% feld., up to 50%					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 7
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO			
			qtz., up to 5% musc., tr. py,								
			feld. altered green.								
			bedding varies at:								
			45.0 m.- 45° to core axis								
			60.0 m.- 80° to core axis								
			65.0 m.- 65° to core axis								
			70.0 m.- 70° to core axis								
			80.0 m.- 80° to core axis								
			90.0 m.- 70° to core axis								
			103.0 m. - 40° to core axis								
			109.0 m. - 45° to core axis								
			112.0 m. - 20° to core axis								
118.1	120.85	2.75 m. 100%	Med. gr. quartzo-feld. peg., 50-80% feld.; 10-40% qtz.; 5-10% musc.; tr. garnet and tourm., perthitic texture present in feld.-rich sections, feld. are commonly altered green.								

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 8
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
120.85	134.0	13.15 m.	Aldridge Fm. - dark grey, f. gr. micaceous					
		100%	arenite, thinly bedded at 90° to core axis					
			(at 125.0 m.) minor py and po present					
			Peg. seams present within Aldridge Fm. at:					
			123.16 - 123.36 m.		128.2	129	0.8 m.	0.05
			128.44 - 128.98 m.		130.1	130.5	0.4 m.	0.03
			130.22 - 130.46 m.		131.1	131.7	0.6 m.	0.02
			131.18 - 131.62 m.		132.0	133.0	1.0 m.	0.00
			132.15 - 132.65 m.		133.0	134.0	1.0 m.	0.01
			133.20 - 133.50 m.					
			Description for above zones: med. gr.					
			qtzo.-feld. peg., 40-50% feld., 20-40% qtz.,					
			1-2% musc., tr. garnet, tr. beryl crystals,					
			feld. commonly altered green.					
			Aldridge Fm.: at contacts between seams,					
			seds. dark black, f. gr. and micaceous.					
			Spotted hornfels texture is also occasionally					
			present.					

DIAMOND DRILL RECORD

PROPERTY HELLROARING GROUP **HOLE No.** DDH-84-7

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. DDH-7 Sheet No. 9
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	% BeO
134	143	9.0 m.	C. to med. gr. feld.-rich peg., 80-90%		134.0	135.0	1.0 m.	0.04
		100%	feld., 10-20% qtz., 1-4% musc., tr. garnet,		135.0	136.0	1.0 m.	0.03
			beryl, green alteration of feld. is v.		136.0	137.0	1.0 m.	0.03
			prolific and in places exhibits an olive		137.0	138.0	1.0 m.	0.03
			hue. Block feld. zone in upper 1.0 m.		138.0	139.0	1.0 m.	0.01
			(approx. 98% feld.), feld. sections to		139.0	140.0	1.0 m.	0.01
			40.0 cm. common.		140.0	141.0	1.0 m.	0.03
			- Minor graphic texture present.		141.0	142.0	1.0 m.	0.03
					142.0	143.25	1.25 m.	0.00
	143.0	E.O.H.						

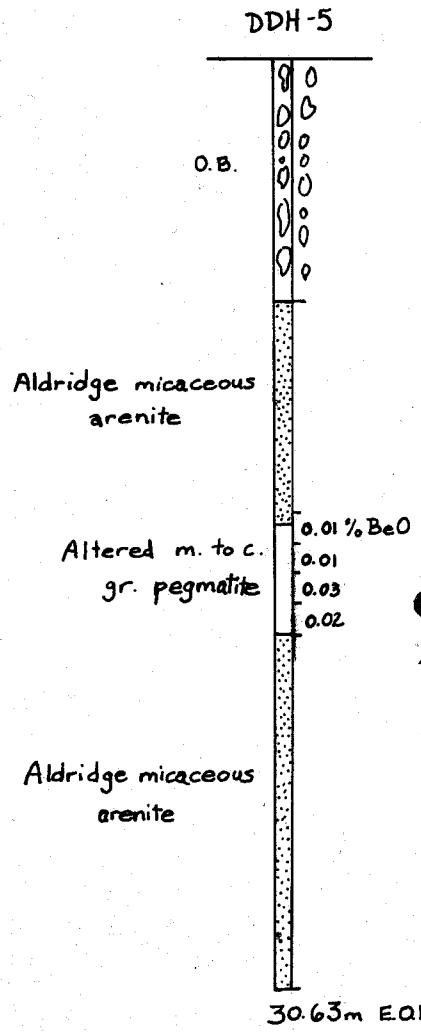


FIG. 6.5.

HELL ROARING CREEK AREA
DDH 84-5
LOCATION: 7+20N / 7+90W
VERTICAL
DEPTH: 30.60m

> .10 % BeO
0.05 ≤ x > 0.10 % BeO
} as per berylometer

SCALE: 1:250
M.P.-Dec. 1984

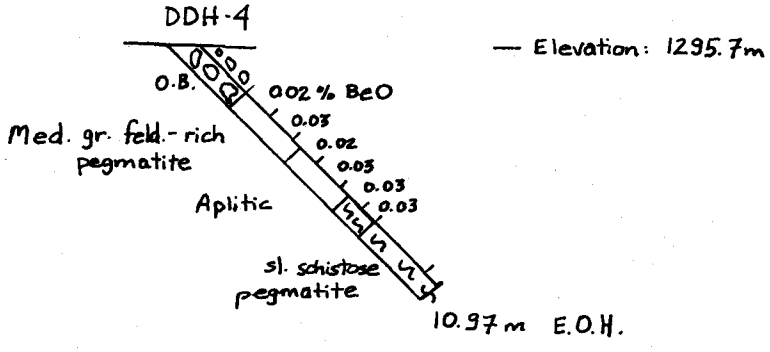


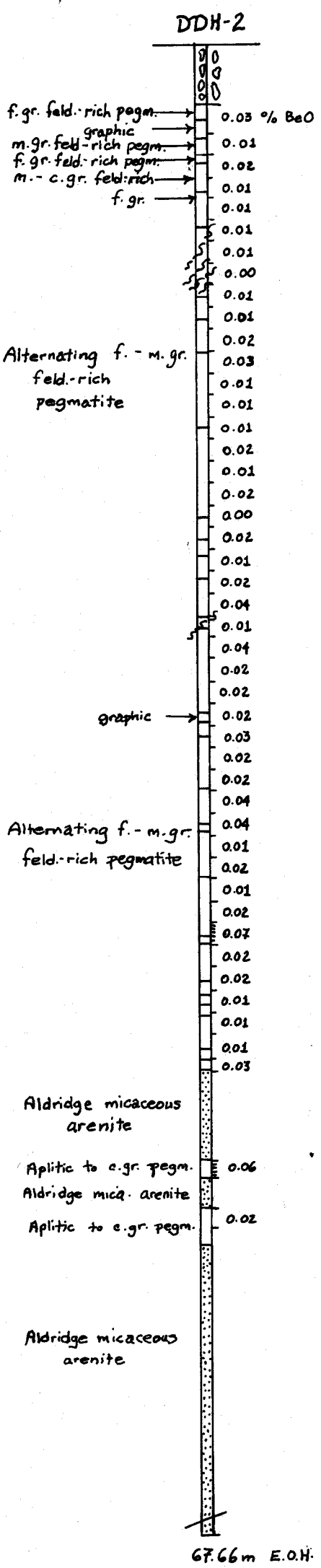
FIG. 6.4.

HELL ROARING CREEK AREA
DDH 84-4
LOCATION: 12+40N / 6+50W
DIP: 45° AZIMUTH: 165°
DEPTH: 10.67m

	>.10 % BeO
	0.05 ≤ x > 0.10% BeO

} as per berylometer

SCALE: 1:250
M.P. - Dec. 1984



GEOLOGICAL BRANCH
ASSESSMENT REPORT

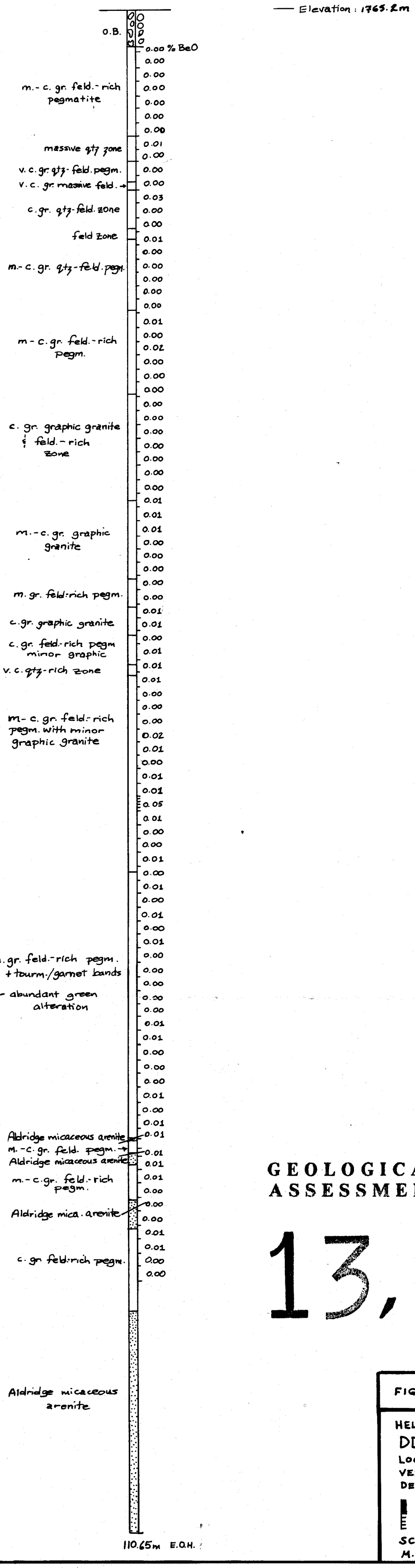
13,415

FIG. 6.2.

HELL ROARING CREEK AREA
DDH 84-2
LOCATION: 12+40N/6+50W
VERTICAL
DEPTH: 67.66 m

>0.10% BeO
0.05 ≤ x > 0.10% BeO
} as per berylometer

SCALE: 1:250
M.P. - Dec. 1984



GEOLOGICAL BRANCH
ASSESSMENT REPORT

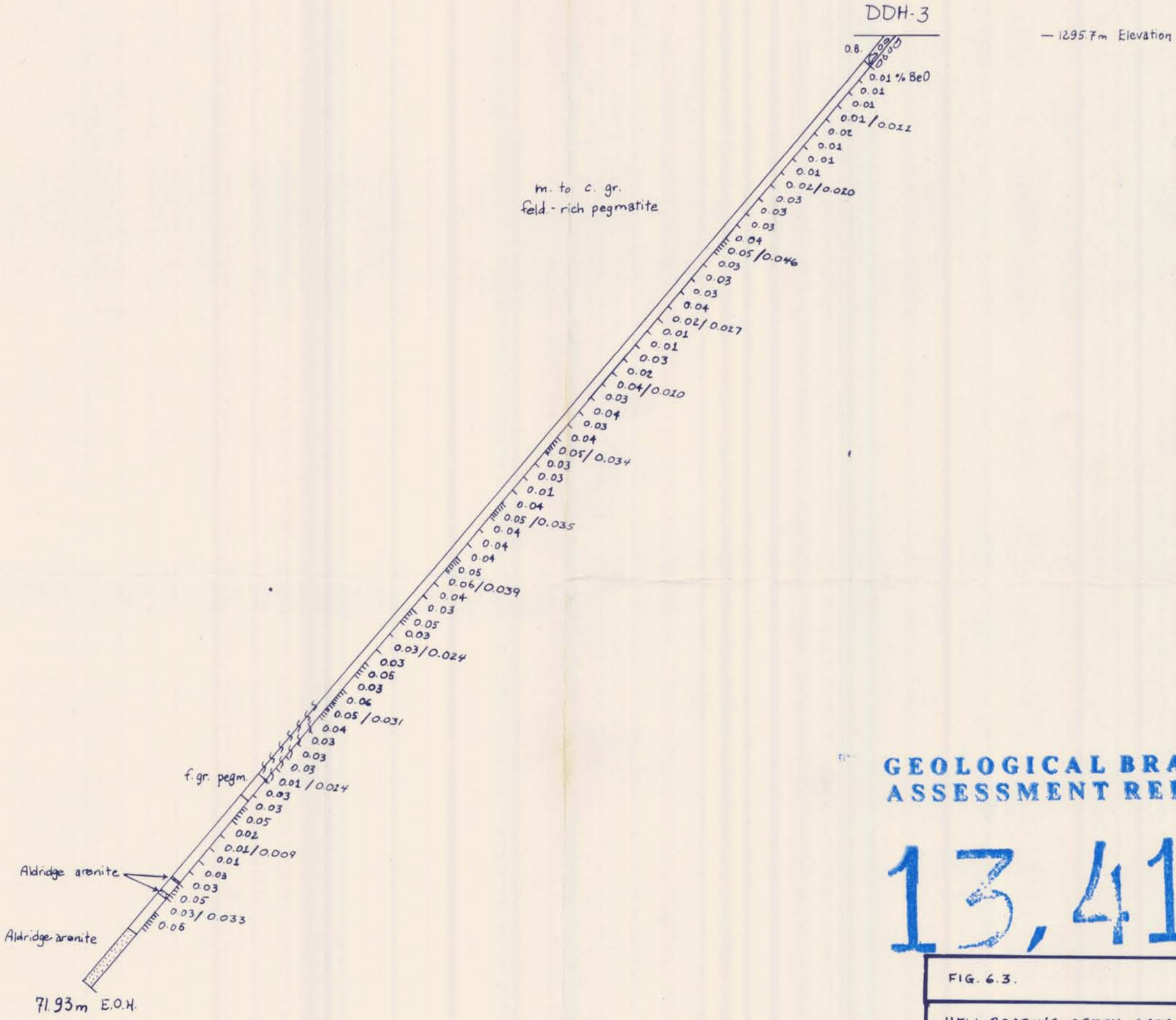
13,415

FIG. 6.1

HELL ROARING CREEK AREA
DDH 84-1
LOCATION: 1+40 N / 6+15 W
VERTICAL
DEPTH: 110.65 m

≥ 0.10% BeO
0.05 ≤ x < 0.10 % BeO
} as per berylometer

SCALE: 1:250
M.P. - Dec. 1984



GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,415

FIG. 6.3.

HELL ROARING CREEK AREA
DDH 84-3
LOCATION: 12+40N / 6+50W
DIP: 50° AZIMUTH: 255°
DEPTH: 71.93m

| >0.10% BeO
| 0.05 ≤ x > 0.10 % BeO } as per berylometer

SCALE: 1:250
M.P. - Dec. 1984 /%BeO} as per Terra-Min Labs.

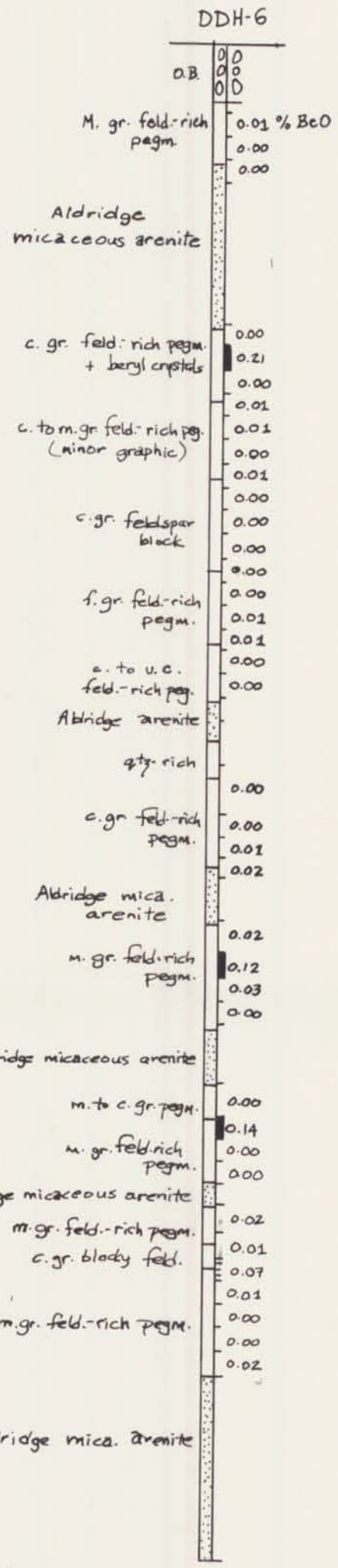


FIG. 6.6.

WELL ROARING CREEK AREA
DDH 84-6
LOCATION: 9+25N / 6+90W
VERTICAL
DEPTH: 64.94

▌ > 0.10 % BeO
⋮ 0.05 ≤ x > 0.10 % BeO } as per berylometer

SCALE: 1:250
M.P. - Dec. 1984

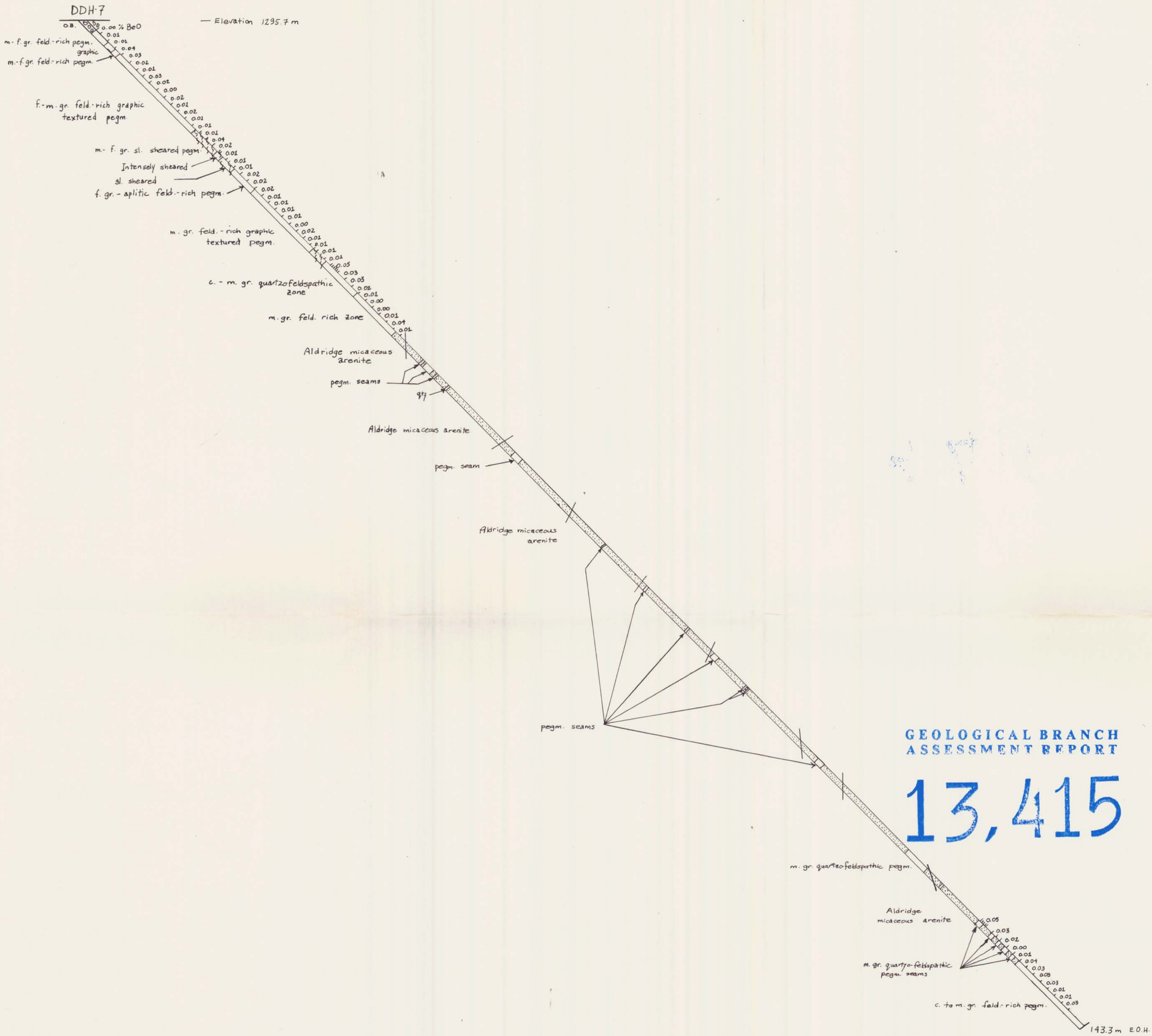


FIG. 6.7

HELL ROARING CREEK AREA
DDH 84-7
LOCATION: 12+40 N / 6+50W
DIP: 45° AZIMUTH: 175°
DEPTH: 143.3 m

>0.10% BeO
0.05 ≤ x > 0.10 % BeO } as per berylometer

SCALE: 1:250
M.P. - Dec. 1984

L.C.P. SARAH

L.C.P. SCOUT KELLY

HELLROARING CREEK

ROAD

BOY SCOUT GROUP

TIE LINE L 0+00

BASELINE @ 145°

ANGUS ROAD

ROAD

CREEK

L.C.P. CLUB

2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7300

3600 4000 4500 5000 5500

4500 5000 5500 6000 6500

4500 5000

Tr. 1 Tr. 2 Tr. 3 Tr. 4 Tr. 5 Tr. 6 Tr. 7 Tr. 8 Tr. 9 Tr. 10 Tr. 11 Tr. 12 Tr. 13 Tr. 14

84-1 84-2 84-3 84-4 84-5 84-6

MAP 1
HELLROARING GROUP

LEGEND

- APPROXIMATE BOUNDARY OF JOINT VENTURE CLAIM BLOCKS
  - BEARCAT EXPLORATIONS, LTD. - 80%
  - COLT EXPLORATION (WESTERN) LTD. - 20%
- NEW ROAD
- Tr. 1 TRENCH
- 84-1 DIAMOND DRILL HOLE
- L.C.P. LEGAL CORNER POST

BEARCAT EXPLORATIONS, LTD.

HELLROARING CREEK AREA
S.E. BRITISH COLUMBIA

BERYLLIUM PROSPECT
SHOWING
CLAIM DISTRIBUTION

CONTOUR INTERVAL = 500 FEET
1:5000
SCALE 0 100m 200m
DATE: DEC., 1984