GEOLOGICAL AND DRILLING REPORT ON THE ARCHER I & 11 AND TATTERS II MINERAL CLAIMS

VICTORIA MINING DIVISION

N.T.S. : 92 C/15 AND 92 C/16

48° 52' NORTH, 124° 30' WEST

OWNER & OPERATOR : NUSPAR RESOURCES LTD.

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FEBRUARY 1988

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INTRODUCTION

During winter, spring and fall of 1987 geological mapping, trenching and diamond drilling was carried out by Nuspar Resources Ltd. of Victoria, B.C. on the ARCHER I and II and TATTERS II mineral claims (all 20 units each) in the region between Nitinat and Cowichan Lakes on southern Vancouver Island. 1:5000 scale geological mapping was conducted along logging roads. About 10.7 sq km were mapped. In addition, five shallow angled EX sized drill holes were drilled on the ARCHER I claim for a total of 113 metres (372 feet). The assayed drill core showed anomalous gold and silver values.

CLAIM STATUS

The ARCHER I and II, TATTERS II and the adjoining unmapped claims to the east, north and south have been arranged into two claim groups; the Archer claim group and the Good Gold claim group. The Archer claim group consists of 5 twenty unit claims (ARCHER I, MUCKAWAY I & II, SAW and T.B.K.) for a total of 100 units. The Good Gold claim group is made up of 4 twenty unit claims (ARCHER II, TATTERS II, GOOD GOLD and DRILLER II), 1 twelve unit claim (DRILLER I) and 4 two post claims (GOOD GOLD II,III,IV and V) for a total of 96 units. All claims comprising these two groups are held fully and in good standing by Nuspar Resources Ltd.

LOCATION

The two claim groups are located between the Nitinat and Caycuse Rivers, 7.5 kilometres southwest of the west end of Cowichan Lake. The two groups of claims are centered at a latitude of 48 52' North and a longitude of 124 30' West (N.T.S.: 92C/15 and 92C/16)

ACCESS

These mineral claims can be accessed by Highway 18, through the communities of Duncan, Lake Cowichan and Youbou, and then by the MacMillan Bloedel main haul road along the Nitinat River or by the B.C. Forest Product's main haul road up Nixon Creek and along the Caycuse River. Well maintained logging roads branch off these haul roads and extend to all parts of the property.

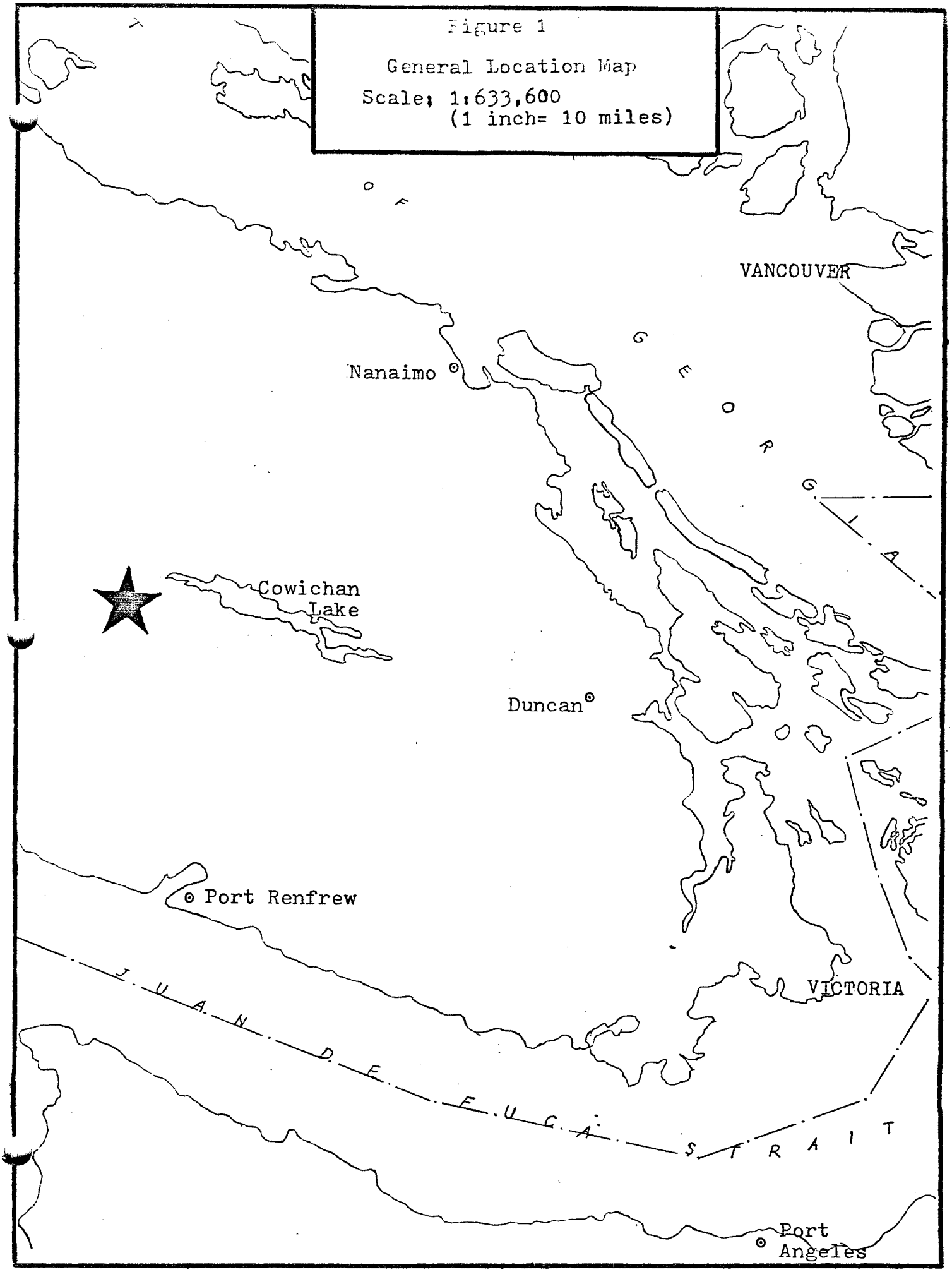


Figure 1
General Location Map
Scale: 1:633,600
(1 inch= 10 miles)
VANCOUVER
Nanaimo
Cowichan Lake
Duncan
Port Renfrew
VICTORIA
Port Angeles
JUAN DE FUCA STRAIT

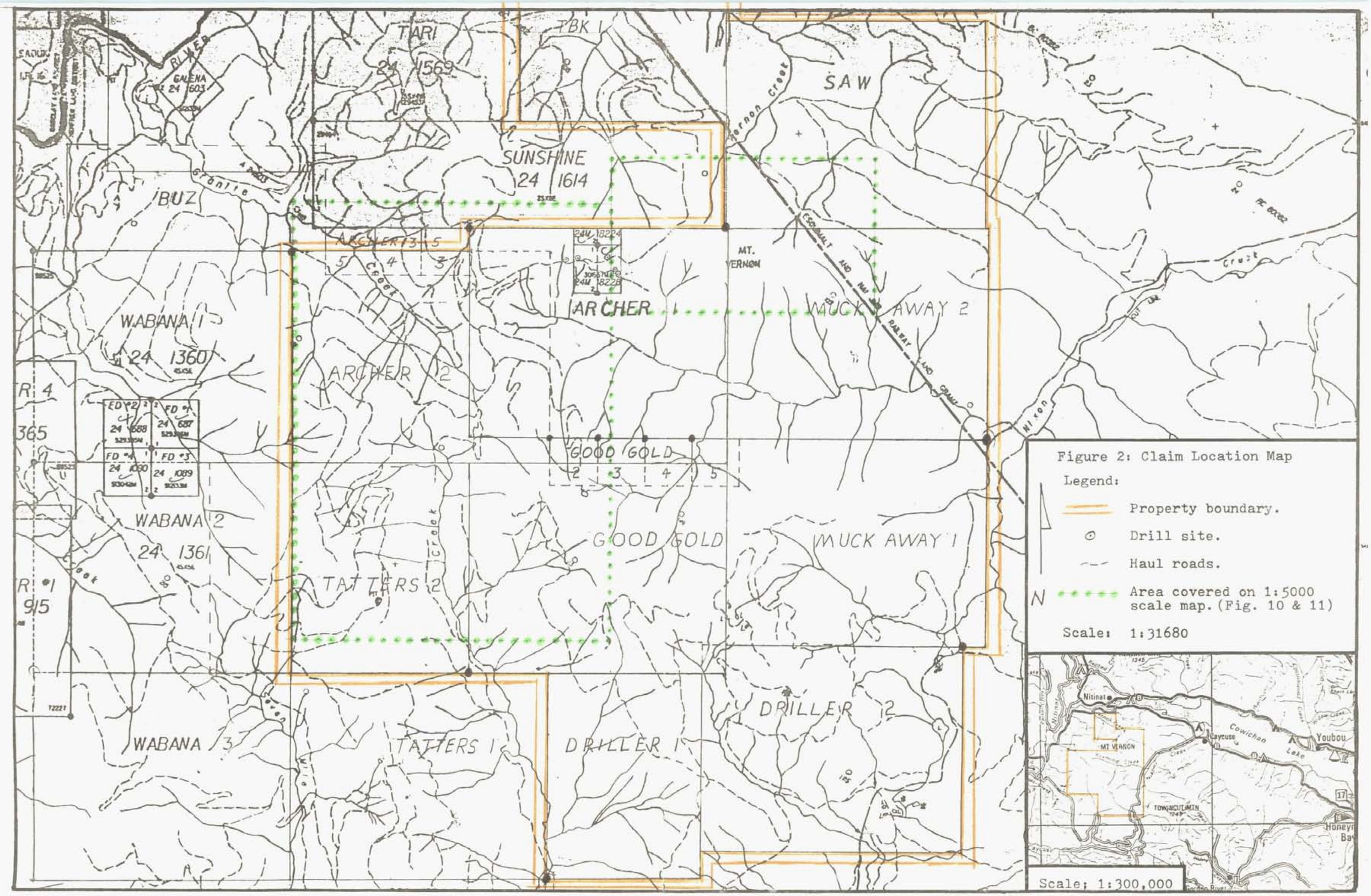


Figure 2: Claim Location Map

Legend:

- Property boundary.
- Drill site.
- Haul roads.
- Area covered on 1:5000 scale map. (Fig. 10 & 11)

N

Scale: 1:31680

PREVIOUS WORK

The area between Nitinat and Cowichan Lakes has been examined in the past for skarn and porphyry copper deposits. Exploration was largely carried out during the 1960's and 1970's, when higher copper and molybdenum prices prevailed.

In 1964 Avallin Mines Ltd. conducted a program of geological mapping (at 1:6000 scale), soil sampling, trenching and drilling on what are now the **WABANA I & II, BUZ** and **ARCHER II, III, IV** and **V** mineral claims. Six zones of magnetite - chalcopyrite skarn mineralization were defined, 3 of which lie on the **ARCHER II** claim.

In 1969 Quintana Minerals Corporation conducted regional geological mapping and soil sampling of a reconnaissance nature between the Nitinat and Caycuse Rivers. The soil samples were analyzed for copper and molybdenum. The area studied included most of the Archer and Good Gold claim groups. The same skarn zones were examined again, plus some pyritized rocks on the northern part of the **ARCHER II** claim, in addition to a few other mineral deposits on the two claim groups.

In 1976, Fox Geological Consultants mapped and sampled some old pits on a skarn zone on the east side of Tenas Creek, just west of the **ARCHER II** mineral claim. Again in 1983 G.A. Noel and Associates examined this same skarn zone and confirmed the presence of extensive copper mineralization.

PHYSIOGRAPHY & DRAINAGE

The Archer and Good Gold claim groups lie in mountainous, forested terrain characteristic of the Vancouver Island Ranges. Elevations vary from 1000 metres above seal level on Mount Vernon, down to 200 metres in the Nitinat-Cowichan Valley on the T.B.K. claim. Elevations of the major stream valleys on the claims range from 250 to 500 metres. Mountain tops and ridge crests vary from 800 to 1000 metres in elevation. The topography is generally rounded with moderately to steeply dipping slopes. The steeper slopes are dissected by numerous creeks. The physiography is characteristic of an ancient rugged glacial terrain, as exhibited for example by an old cirque on the north-west side of Mount Vernon, whose mountain peaks and ridge crests have been rounded and whose slopes have been incised as a result of the intense precipitation that characterizes todays west coast climate. This once heavily forested terrain has now been extensively logged. Logging operations are currently being conducted in the area by MacMillan Bloedel Ltd. and B.C. Forest Products Ltd. Rock exposures are largely limited to road cuts and a few of the steeper slopes and creeks.

PHYSIOGRAPHY & DRAINAGE (cont.)

Seven major creeks provide drainage for the area. The northern and northwestern part of the area is drained by Granite and Vernon Creeks, which flow northwestward into the southwestward flowing Nitinat River. The southern claims are drained by Wilson and Camp Creeks, which flow south into the westward flowing Cayacuse River. To the east, Nixon Creek flows to the northeast into Cowichan Lake and drains the eastern claims by way of its east flowing tributaries, Lacey and Raymond Creeks.

REGIONAL GEOLOGY

The area between Nitinat and Cowichan Lakes in underlain by formations of the Vancouver Group (upper Triassic) and Bonanza Group (lower Jurassic). Thick ocean floor basalts and andesites of the Karmutsen Formation make up most of the Vancouver Group. These volcanics are overlain by the Quatsino Limestone, which is in turn overlain by upper Triassic black argillites of the Parsons Bay Formation. The Bonanza Group in this area is made up of an undifferentiated group of formations that contain argillites, cherts, cherty tuffs, breccias (volcanic and sedimentary), sandstones and basaltic to rhyolitic flows. This sequence is characteristic of an island arc type setting.

These formations have been broadly to tightly folded by a phase of middle to late Mesozoic deformation. Fold axes generally trend northwest-southeast. These rocks have also undergone extensive faulting. They have been intruded by granodioritic dykes originating from the Island Intrusions (middle Jurassic) to the north and by andesitic Tertiary aged dykes.

CLAIM GEOLOGY

The claim geology is based on mapping of roadcuts on the ARCHER I and II, and TATTERS II mineral claims. Mapping was conducted at a scale of 1:5000, as shown on Figures 10 and 11. A number of different formations of the Vancouver Group and Bonanza Group were mapped on the three claims. The mapped formations are described as follows:

KARMUTSEN FORMATION (UPPER TRIASSIC)

This unit consists largely of andesitic to basaltic flows that erupted during an episode of ocean floor rifting. Andesite is the dominant lithology here. On a fresh surface it is dark grey to dark greenish grey to dark brown in colour. It is almost always amygdaloidal. The amygdals vary in size from one to five millimetres in diameter. They usually consist of some sort of black chloritic infilling. Sparry calcite amygdals occur less frequently. This unit is commonly feldspar porphyritic. The feldspars are typically elongate prisms that vary from 0.5 to one millimetre wide and two to four millimetres long. These phenocrysts are frequently clumped together (glomeroporphyritic) into either irregular masses or as radiating groups displaying "starburst porphyry" patterns.

Contained within the mafic volcanics are thin beds of silicious tuff. This cherty rock is medium to light grey to greenish grey, weathering to white. Tiny black mafic phenocrysts are sometimes visible. In a few instances it shows weak bedding. These silicious beds frequently outcrop in the vicinity of overlying units. They are commonly found outcropping near Quatsino Limestone and Parsons Bay Formation.

The mafic flows and silicious beds outcrop only on the ARCHER II claim along roadcuts on Granite Creek 3 and 5.

QUATSINO LIMESTONE (UPPER TRIASSIC)

The Quatsino Limestone was deposited on a shallow marine platform consisting of Karmutsen volcanics. The Quatsino Limestone is made up of light to medium grey to bluish -grey micritic limestone. The only fossils observed in this unit consist of some thin bivalve (?) shells found in a shallow dipping, 1 to 1.5 metre thick limestone bed that is overlain and underlain by Karmutsen flows. This is exposed in a roadside pit on Granite Creek Main, 110 metres northwest of the conjunction with Granite Creek 3.

QUATSINO LIMESTONE (UPPER TRIASSIC) (cont.)

The fact that this limestone is interbedded with Karmutsen lavas indicates that vulcanism must have continued during the deposition of the limestone. Limestone beds interbedded with Karmutsen volcanics were also observed previously towards the west in the vicinity of Tenas Creek on the **WABANA** I mineral claim. Limestone outcrops were observed only on the **ARCHER** 2 claim along Granite Creek Main, G.C. 3, G.C. 5, 5C and 5F. The outcrops encountered along G.C.3, 5C and 5F were quite unexpected. Faulting and folding must play a significant role in the distribution of these outcrops.

PARSONS BAY FORMATION (UPPER TRIASSIC)

Outcrops of Parson Bay Formation were found to frequently occur near Quatsino Limestone, yet Parsons Bay Formation was never observed to directly overlie and contact the Quatsino Limestone. As with the Quatsino Limestone, outcrops of Parsons Bay Formation were found in roadcut outcrops along Granite Creek Main, G.C. 3 and G.C. 5C and 5F on the **ARCHER** II claim. Faulting and folding must also play an important role in the distribution of these outcrops. Parsons Bay Formation consists dominantly of calcareous to non-calcareous black to dark grey well bedded argillites. These are frequently pyritic. In a few instances these argillites are interbedded with some dark grey to black, slightly bedded, micritic limestone. These rocks are sometimes sheared up and frequently folded in outcrops. Despite this, almost all outcrops were found to show on bedded surfaces fossil casts of Halobia, a late Triassic bivalve.

BONANZA GROUP (LOWER JURASSIC)

The Bonanza Group consists of a complex group of undifferentiated formations characteristic of an island arc setting. A number of different lithologies have been mapped in this sequence of rocks. These include tuffs, breccias, dacitic to basaltic flows, cherts, siltstone, argillite and sandstone. Fossils were found in the sedimentary units. Dr. Paul Smith of the University of British Columbia assisted in their identification.

Two basic assemblages have been recognized in the Bonanza Group. On the north side of Raymond and Granite Creeks on the **ARCHER** I and II claims, the area is underlain by a simple sequence of dacite/silicious andesite, chert, sandstone siltstone, argillite and basalt.

BONANZA GROUP (LOWER JURASSIC) (cont.)

To the south of Granite Creek and west of Wilson Creek on the ARCHER II and TATTERS II claims, the Bonanza Group consists of a complex series of interbedded cherty tuffs, hematitic tuff, other mafic to intermediate tuffs, volcanic breccias, sandstone, siltstone, mudstone/argillite and basaltic to andesitic flows. The only rocks that may correlate between these to sequences are the clastic sediments.

The lithologies that make up these assemblages are described in detail as follows:

BASALTIC FLOWS:

Basaltic flows occur quite infrequently in the Bonanza Group. A few aphanitic dark brown to brownish green flows were observed along Granite Creek 5 and 5F on the ARCHER II claim. These are sometimes vesicular/amygdaloidal. One massive, slightly feldspar porphyritic, dark green basaltic flow was observed to overlie gently dipping sediments on the northeast corner of ARCHER I on Granite Creek 14C.

ANDESITIC FLOWS:

These rocks are quite ubiquitous on the ARCHER II and TATTERS II claims. They are characterized by numerous tiny feldspar phenocrysts no more than a millimetre long and a few hornblende phenocrysts up to four millimetres long in a dark greenish-grey aphanitic matrix. These flows are sometimes vesicular.

DACITE/SILICIOUS ANDESITE:

This felsic unit is found exclusively to the north of Raymond and Granite Creeks on the ARCHER I and II. Outcrops of this unit are found along most roads in this area, including Granite Creek Main, G.C. 9, G.C. 14 and 14A. The silicious andesite is made up of numerous hornblende phenocrysts, frequently up to three millimetres long and milky white feldspar phenocrysts up to one millimetre long in a light grey to white silicious aphanitic matrix. In places the hornblende phenocrysts are lacking, leaving only the silicious matrix and the feldspar phenocrysts. The rock would be referred to as a dacite in this case. These rocks are extensively pyritized, with pyrite disseminated throughout the rock and along fractures.

BASAL BRECCIA UNIT & OTHER BRECCIAS:

Volcanic breccias are quite common in the Bonanza Group on the ARCHER II and TATTERS II claims. Most breccia outcrops could be assigned to the Basal Breccia unit. This unit outcrops along Granite Creek Main, G.C. 3, G.C. 5, 5C AND 5F on the ARCHER II claim. The basal breccia unit is a pyroclastic unit that overlies Vancouver Group formations. Only in a few instances it is observed in contact, directly overlying Parsons Bay Formation and Quatsino Limestone, yet it frequently outcrops in this vicinity of these two formations and also Karmutsen Formation. This unit must therefore form the base of the Bonanza Group in this area, hence the term "Basal Breccia". The lithology of this unit consists of angular medium to dark green and dark grey to black mafic rock clasts, angular to rounded light to dark grey micritic limestone clasts plus some pale green, angular cherty clasts, rare black argillite clasts and rare light grey to white, angular dacitic clasts floating in a dark green to dark greenish grey mafic tuffaceous matrix. The clasts vary in size from 0.5 centimetres to 20 centimetres in diameter. Since most clasts are less than 64 millimetres in diameter the proper term for this lithology is lapilli tuff. Within this unit are a few beds varying from less than a metre thick up to several metres thick that are extremely rich in limestone clasts. Dissolution of limestone clasts on older exposed surfaces gives the rock a superficial vuggy to vesicular appearance. The mafic lithic clasts and the mafic tuffaceous matrix are likely reworked Karmutsen Formation. The pale green cherty fragments may be the silicious tuff also of Karmutsen Formation. The limestone clasts are obviously Quatsino Limestone. The black argillite clasts are probably Parsons Bay Formation and the dacitic clasts are likely Bonanza Group.

Other breccias were observed higher up in the Bonanza Group stratigraphy. Most were isolated occurrences. However, one unit was found to outcrop along Granite Creek 5, 5F and 5G on the boundary between the ARCHER II and TATTERS II claims that varied from a hematitic tuff to a lapilli tuff with the hematitic tuff as a matrix. The clasts consisted of brownish-red and medium grey aphanitic volcanics plus some dark green to dark greenish grey feldspar-hornblende porphyritic andesite. The hematitic matrix commonly shows numerous tiny feldspar phenocrysts less than a millimetre in diameter. The clasts range in size from a centimetre to 10 centimetres in diameter. Small isolated outcrops of other breccias were also mapped, including one outcrop near the end of Granite Creek 5E that consisted of numerous angular light grey felsic clasts from a few millimetres to six centimetres in diameter in a dark grey silicious matrix.

TUFFS:

Numerous tuff beds were mapped on the ARCHER II and TATTERS II claims. Three basic types of tuff are recognized.

The first is hematitic tuff. Two beds of hematitic tuff were mapped. One of these grades into a lapilli tuff in places, and was described earlier under breccias. This hematitic tuff is characterized by numerous tiny feldspar phenocrysts. To the south of this bed a second hematitic unit was mapped along a series of switchbacks on Granite Creek 5 on the TATTERS II claim. This rock consisted of massive dark grey to dark purplish-grey hematitic tuff.

Cherty tuffs are another distinct type of tuff. These are found throughout the local stratigraphy of the Bonanza Group. They are found overlying Parsons Bay Formation on Granite Creek 5F on the ARCHER II claim. These tuffs are pale green on a fresh surface and bleach white on weathering. They are sometimes feldspar porphyritic. Good bedding is usually displayed in these tuff beds. They are tightly folded in places. The only cherty tuff bed that could be traced for a reasonable distance outcrops near the end of Granite Creek 5G and can be traced down the hill side for 250 metres, where it outcrops at the end of Granite Creek 5F. This bed strikes almost north-south and dips steeply to the east.

Besides hematitic and cherty tuffs, many other tuff beds were mapped. These consisted of intermediate to mafic medium grey to dark green to dark brown tuffs that showed bedding in a few instances. These are designated as "Other Tuffs" on the geologic maps. Their intermediate to mafic compositions are likely a result of reworked material from Karmutsen basalts and andesites. Mafic brown weathering tuff is frequently found with the basal breccia unit. This rock is soft, yet brittle, resulting in angular, fractured surfaces in outcrop.

CHERTY SILTITE:

This lithology was observed to outcrop in only one locality on the ARCHER II claim. It outcrops on Granite Creek Main near the western boundary of ARCHER II. It was previously observed occurring in the base of Bonanza Group rocks just west of Tenas Creek on the WABANA I mineral claim. On the ARCHER II claim it outcrops in the vicinity of Quatsino Limestone and Parsons Bay Formation, confirming its basal position in the local stratigraphy of the Bonanza Group. This cherty siltite is made up of interlaminated light to medium green, yellowish-tan and dark brown to black laminae. The brown to black laminae are usually lenticular, and don't get up to more than a few millimetres thick. The green and yellow-tan laminae range in thickness from several millimetres to a centimetre.

CHERTY SILTITE: (cont.)

This rock likely occurs elsewhere on Vancouver Island in the Bonanza Group. G.E. Eastwood of The B.C. Ministry of Energy, Mines & Petroleum Resources observed "Thin beds of chert like siltite and silty argillite..." in the base of the Bonanza Group in the vicinity of Campbell River, as noted in Paper 1984-3: "Geology of the Quinsam Lake area, Vancouver Island."

CHERT:

Massive to well bedded cherts were observed outcropping along roadcuts on the northern parts of the **ARCHER** I and II claims, on the **ARCHER** III and IV two-post claims and on the **SUNSHINE** claim. These outcrops were mapped along the following roads: Granite Creek Main, G.C. 4, G.C. 9, and G.C. 14. They consist of white to pale green weathering, medium grey to black and medium to dark green to greenish grey chert that frequently contains disseminated pyrite. This chert is quite well fractured resulting in rough, angular outcrops. The chert is frequently intruded by Tertiary andesitic dykes along Granite Creek 14 on the **ARCHER** I claim.

ARGILLITE/MUDSTONE, SILTSTONE & SANDSTONE:

These lithologies are found in two main sediment beds. One of these outcrops just west of Mt. Vernon on the northeast corner of the **ARCHER** I claim along G.C. 14, 14B and 14C, while the second outcrops along several switchbacks of Granite Creek 5 on the **TATTERS** II claim. These two sediment beds are likely the same unit.

The Mt. Vernon occurrence consists of a massive to faintly bedded greywacke sandstone outcropping along Granite Creek 14 for 140 metres in fault contact to the northeast and southwest with thinly bedded sandstone, siltstone and argillite that outcrop along G.C. 14B and 14C. The greywacke is typically a fine to medium grained, well sorted sandstone, yet is commonly contains some rounded to angular rock clasts one centimetre to 10 centimetres in diameter. This sandstone is dark grey to dark greenish grey on a fresh surface and weathers to a buff to light ~~greenish~~ orangey creamy white colour. One well sorted medium grained greywacke bed contains numerous bivalve fossils. Casts of broken shell debris of Trigonid bivalves are common. These appear to be of the Myophorella genera (Pliensbachian to Late Cretaceous). In addition, a few fragments of thick coarsely radially ribbed to fine radially ribbed bivalves of unknown affinities are preserved. Bivalve fragments vary from one to four centimetres in diameter.

ARGILLITE/MUDSTONE, SILTSTONE & SANDSTONE (cont.)

One intact two centimetre diameter concentrically ribbed bivalve shell was found preserved as a carbon impression. The carbon was likely derived from an organic overgrowth that covered the surface of the shell. In addition to bivalve shells, some small burrows were also noticed in this sandstone bed. They appear to lie in the bedding plane. They are round in cross section. Most vary from one to two millimetres in diameter. One got up to five millimetres in diameter.

The well bedded sediments in fault contact on either side of the greywacke consist of thinly interbedded light to medium grey, fine to coarse grained sandstone and dark grey to dark brown siltstone and argillite. The argillite is pyritic in places. Individual beds vary from 10 centimetres to several metres in thickness. The sandstone beds tend to be thicker than the siltstone and argillite beds. These sediments are overlain by a massive basaltic flow exposed along Granite Creek 14C that is at least 10 metres thick. The only fossils found in these sediments were a few carbonized plant fragments (twigs and branches) in a well bedded fine to medium grained sandstone outcropping on G.C. 14B, 15 metres east of the conjunction with G.C. 14.

The second major sedimentary outcrop was found along several switchbacks of Granite Creek 5 on the TATTERS II claim. Lithologies vary here from a dark grey to dark greenish, massive to faintly laminated sandstone, light green well laminated siltstone and massive dark brown fine grained argillaceous sandstone to mudstone. Several thin beds of pebble conglomerate are also present. Bivalve fossils were found throughout this unit. Some beds of the argillaceous sandstone/mudstone were found to be quite rich in shells, which are preserved as casts in the sediments. Most of these are small, intact Trigonid bivalve shells, which vary in size from five to 15 millimetres in diameter. They display coarse concentric ribbing. These do not appear to be of the Myophorella genera. Also, one six centimetre diameter coarsely ribbed bivalve shell of unknown affinity was found among the small trigonids. A few burrows up to two millimetres in diameter, similar to those by Mt. Vernon were also noticed.

A few other outcrops of mudstone and argillite were observed in roadcuts. A roadcut along a spur of Granite Creek 5 that follows the north-south trending ridge crest on TATTERS II exposed a highly indurated, hard, massive medium to dark brown ammonite bearing mudstone just 30 metres northeast of where the previously described major fossiliferous sedimentary unit outcrops. This occurs as a 0.5 metre thick pod of mudstone underlain and overlain by volcanic breccia. This mudstone contains casts of small ammonites up to two centimetres in diameter. They could not be easily identified because of their small size.

ARGILLITE/MUDSTONE, SILTSTONE & SANDSTONE: (cont.)

However, they were tentatively identified as Paltechioceras genera (Upper Sinemurian) of the Echioceratid Ammonite Group. Thin beds of dark green to dark grey argillite interbedded with light green slightly calcareous cherty tuff were also noted outcropping along G.C. 3 on the western boundary of the ARCHER II claim. In addition, some dark brown to dark green poorly bedded argillites were mapped along G.C. Main on the northwest corner of ARCHER II. These are believed to be associated with the cherty siltite at the base of the Bonanza Group.

IGNEOUS INTRUSIVES

Two types of intrusives are found on the ARCHER I and II, and TATTERS II claims. The first consists of granitic to granodioritic dykes that are derived from the middle Jurrasic Island Intrusions to the north. These dykes are found throughout the three claims but are quite infrequent in their occurrences.

The second type of intrusive consists of Tertiary aged andesitic dykes and stocks. The andesitic dykes are quite numerous, especially on the ARCHER I claim. They consist of feldspar phenocrysts one to three millimetres long with or without hornblende phenocrysts up to three millimetres long in a medium to dark greenish grey aphanitic matrix. They are occasionally tectonically brecciated, where angular porphyritic andesite clasts are contained in a light grey silicious matrix. Their Tertiary age is suggested by the fact that feldspar porphyritic andesitic dykes are found intruding Late Cretaceous Comox Formation conglomerate west of Tenas Creek on the WABANA I claim.

These dykes may be derived from several andesitic stocks. Extensive outcrops o feldspar porphyritic to feldspar-hornblende porphyritic to aphanitic medium to dark greenish andesite were found on the northern part of ARCHER II along G.C. 4 and 9, and in the southwestern corner of ARCHER 1 along G.C. 7 and 10. This suggests an elongate northwest trending stock 600 metres wide and at least 2800 metres long.

A second stock consisting of feldspar porphyritic dark greenish grey andesite was mapped along G.C. 14 and 14D into the southeastern part of the SUNSHINE claim and southwestern part of the SAW claim, just off the northeastern corner of the ARCHER I claim.

Both stocks contain zones of numerous xenoliths. The stock just mentioned displayed angular to rounded xenoliths up to 20 centimetres in diameter. Xenoliths of the hornblende porphyritic silicious andesite, and feldspar porphyritic dacite were common in this stock.

IGNEOUS INTRUSIVES (cont.)

The earlier described stock on the ARCHER I and II claims displays numerous xenolith zones along G.C. 7 on the ARCHER I claim. These xenoliths consist almost entirely of angular light to medium grey to green hornblende porphyritic to hornblende-feldspar porphyritic xenoliths up to 20 centimetres in diameter. Most are less than 10 centimetres in diameter. Their hornblende and feldspar phenocrysts get up to two millimetres long. A few of these phenocrysts appear vesicular.

STRUCTURAL GEOLOGY

The structural geology appears quite complex in places as a result of extensive faulting and folding. The frequent occurrence of bedded rocks has helped shed some light on the structural geology of the area. The area covered by the three claims can be divided into two regions that differ in structural complexity. The first region covers the northern parts of ARCHER I and II, north of Raymond and Granite Creeks. The second region covers the southern part of the ARCHER II claim and the TATTERS II claim, south of Granite Creek and west of Wilson Creek. The two regions are separated by the Tertiary andesitic stock running along Granite Creek and between Raymond and Wilson Creeks on the ARCHER I and II claims.

Rocks in the northern region don't show much in the way of complex folding. The stratigraphy appears to be gently dipping east to southeast, according to bedding measurements from the bedded cherts and from the thinly bedded sediments adjacent to Mt. Vernon. The chert beds dip east to southeast with dips varying from 13 to 39 degrees. The thinly bedded clastic sediments just west of Mt. Vernon dip to the southeast with dips varying from 16 to 39 degrees.

The structural geology of the southern region is much more complex. Bedding attitudes in this area were taken from various bedded rocks including cherty tuffs, other tuffs, argillites(Bonanza Group and Parsons Bay Formation) and sandstone. Orientations were also derived from contacts between differing adjacent rock types, for example where an andesitic flow contacts a tuff bed. The bedded cherty tuffs and argillites frequently displayed tight folding in this area. Dips and strikes varied wildly over short distances. Dips ranged from 11 to 90 degrees. The strikes covered most directions of the compass. For example, the sediment bed and the underlying hematitic tuff bed on the TATTERS II claim strike 056° to 077°, with dips ranging from 32° to 68°, while 1000 metres to the north a cherty tuff bed that could be traced for 250 metres between two logging roads (G.C. 5F and 5G) was found to strike almost north-south, with dips ranging from 69° to 83° .

STRUCTURAL GEOLOGY (cont.)

A more complex sequence of tight folding and faulting would be required to explain the wide range in bed attitudes encountered in this area. Mapping in creek outcrops and other off-road outcrops in this region may lead to a better understanding of the structural geology of this area.

ALTERATION AND SECONDARY MINERALIZATION

In addition to being faulted and folded, these rocks have also been altered and mineralized. The Tertiary aged andesitic dykes and stocks commonly show feldspar phenocrysts that have been replaced by epidote. Less frequently, feldspar phenocrysts are altered to clay. Hornblende phenocrysts are almost always replaced by chlorite in this andesite.

Thin veins of quartz, calcite and epidote are frequently found permeating rocks throughout the three claims. Epidote veins are especially common in the andesitic dykes and stocks. Hematitic staining on fractures occurs frequently in the more mafic rock units such as Karmutsen Formation, the basal breccia unit of the Bonanza Group and the andesitic dykes and stocks.

The only secondary sulphide mineral observed in outcrop is pyrite occurring in a major pyritic zone that was found to extend across the northern part of the **ARCHER I** claim, on to the **ARCHER III** and **IV** two-post claims and the adjoining **SUNSHINE** claim. This pyritic zone is exposed along the following roads: Granite Creek 14 and 14A, G.C. Main and G.C. 9. The pyrite occurs as fine disseminations to coarse blebs up to several millimetres in diameter in the dacite/silicious andesite and chert. Also, several massive sulphide pods up to a metre thick enclosed in bedded chert are exposed along G.C. 14. The pods contained mostly pyrite with some magnetite. These rocks have also been permeated with numerous pyrite stringers throughout this pyritic zone. Pyrite is sometimes also found in calcite and epidote veins. The Tertiary andesitic dykes that intrude these rocks remain largely unpyritized. This pyritic zone is covered by orangey-red soils rich in iron oxide. Drill core from holes drilled into this pyritic zone along Granite Creek 14 and 14A contained anomalous gold values ranging from 1.74 to 2.80 grams per tonne.

In addition to this major pyritic zone, a few pyritic shear zones were mapped on the northeast corner of the **ARCHER II** claim and on the **ARCHER V** two-post claim along G.C. 4 and 9. These shear zones are developed in aphanitic to feldspar porphyritic to feldspar-hornblende porphyritic Tertiary andesite. These zones are steeply dipping and vary in width from several metres to 20 metres. Calcite and epidote stringers are frequent in these zones.

ALTERATION AND SECONDARY MINERALIZATION (cont.)

The pyrite commonly occurs along fractures. It is rarely found disseminated in the rock. Throughout the rest of the ARCHER II and TATTERS II claims only a few pyritic fractures and shear zones up to a metre wide were observed.

DRILLING SUMMARY

Five shallow, angled diamond drill holes were drilled during the months of February and March 1987 on the twenty unit Archer 1 mineral claim. Drilling was carried out with a light, portable Boyles Brother X-Ray drill, capable of producing EX sized drill core (22.2 mm diameter). 113 metres (372 feet) were drilled in total. The drill core was eventually split and assayed.

The drill sites are located to the north of Raymond Creek, along a haul road (Granite Creek 14) that approaches Mt. Vernon from the west. Drill holes 87-1, 87-2 and 87-3 are located on this road, while holes 87-4 and 87-5 are located on a spur (Granite Creek 14A)that branches off this road towards the southeast. The site for drill hole 87-1 is 30 metres west of the point where this spur branches off. Hole 87-2 is 300 metres to the east of 87-1 and hole 87-3 is 145 metres to the west of 87-1. Hole 87-5 is 360 metres to the southeast of 87-1 and hole 87-4 is 32 metres to the southeast of 87-5. These distances were measured off a 1:5000 scale topographic map supplied by MacMillan Bloedel Ltd. Several factors were taken into account when selecting specific sites for drilling. The determination of drill site locations was based on the proximity of streams of sufficient size to supply the water required for drilling and on the presence of well exposed, mineralized (essentially pyritized) road cut outcrop that did not appear to be heavily fractured.

As mentioned previously, these holes were drilled to shallow depths. The total distance drilled for the five holes is 113 metres (372 feet), which works out to an average depth of 22.7 metres (74.4 feet) per drill hole. Depths attained by the various drill holes are the following; 87-1 : 44.8m (147 feet), 87-2 : 15.2m (50 feet), 87-3 : 32.0m (105 feet), 87-4 : 9.1m (30 feet), 87-5 : 12.2m (40 feet). The depths achieved are quite shallow for several reasons. One is the fact that the drill on this occasion was limited to a total depth of 45.7 metres (150 feet). However, only hole 87-1 achieved this depth. The other holes had to be discontinued because of poor core recovery caused by extensive fracturing and grinding up of the drill core.

Also mentioned previously, all holes are angled. Dips are set at 60 degrees or 45 degrees, depending on the particular drill hole.

DRILLING SUMMARY (cont.)

The five drill holes are characterized by the following dips and bearings; 87-1 : 60° -->000°, 87-2 : 45°-->286°, 87-3 : 45°-->015°, 87-4 : 45°-->045°, 87-5 : 45°-->045°.

Drill core from the five drill holes displayed lithologies similar to those exposed in the outcrop in the vicinity of the drill sites. Drill core from holes 87-1, 87-2 and 87-3 were logged unsplit. Core from holes 87-4 and 87-5 was logged after being split. Basic lithologies were noted. Any secondary mineralization, alteration and deformation that may have been present was also recorded.

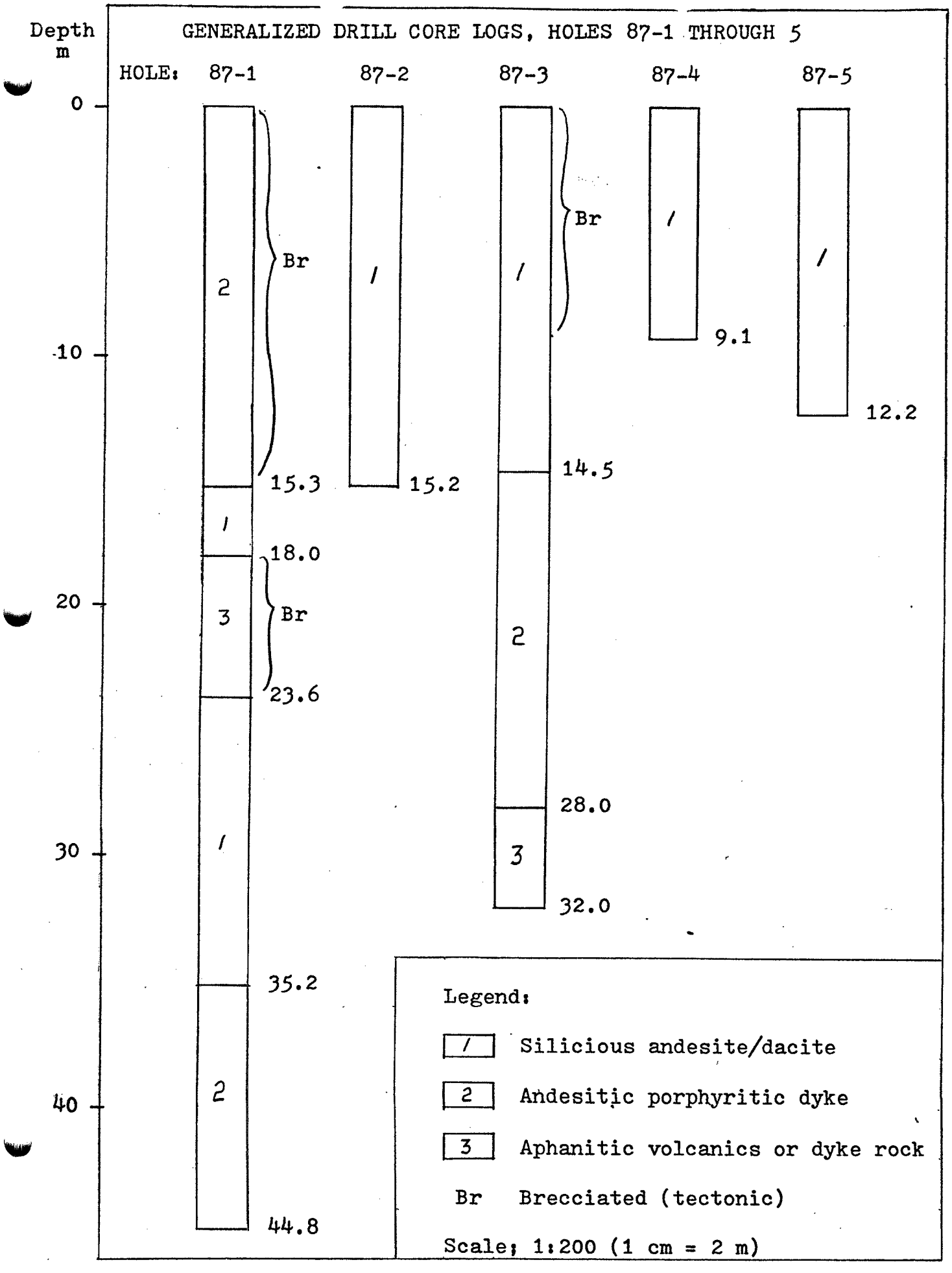
Three basic lithologies were displayed in the drill core. The most common rock type is the dacite/silicious andesite, which occurs in all five drill holes. This rock commonly shows hornblende phenocrysts, with or without feldspar phenocrysts, floating in a light grey silicious (dacitic) aphanitic matrix. Hornblende phenocrysts range in size from less than a millimetre to up to four millimetres in length. They are usually around three millimetres long. Feldspar phenocrysts commonly get up to a millimetre in length. Hornblende phenocrysts are almost always more abundant than the feldspars. In a few instances hornblende phenocrysts are lacking, leaving only a dacitic matrix with or without feldspar phenocrysts.

The second most common lithology is that of the andesitic dykes, which was found in drill holes 87-1 and 87-3. Andesitic dyke rock consists of feldspar phenocrysts with or without hornblende phenocrysts in a dark to medium greenish grey aphanitic matrix. The feldspar phenocrysts are usually around three millimetres long. The hornblende phenocrysts range in size up to two millimetres, but are commonly less than a millimetre in length. Feldspar phenocrysts tend to be more common than hornblende phenocrysts, with the exception being a small zone encountered in hole 87-3, where hornblende is the dominant phenocryst.

The third most common rock type, which was noted in the drill core from holes 87-1 and 87-3, is some sort of aphanitic greenish grey dyke rock or volcanic. In some instances a few hornblende phenocrysts are visible.

Tectonic deformation of these rocks consists largely of brecciation, fracturing and veining. The upper dyke intersection in hole 87-1 is brecciated entirely into angular to subangular fragments ranging in size from a few millimetres to over ten millimetres. The matrix consists of fine grained grey quartz. Further down this drill hole a second zone of brecciation occurs. In this case the breccia consists of fragments of the greenish grey aphanitic dyke rock or volcanic in a light grey silicious matrix. A third brecciation zone occurs in the upper part of hole 87-3, where dacitic volcanics have been brecciated.

FIGURE 3


GENERALIZED DRILL CORE LOGS, HOLES 87-1 THROUGH 5
Depth m
HOLE: 87-1
87-2
87-3
87-4
87-5
0
10
20
30
40
2
Br
15.3
1
18.0
3
Br
23.6
1
35.2
2
44.8
1
15.2
1
Br
14.5
2
28.0
3
32.0
1
9.1
1
12.2
Legend:
1 Silicious andesite/dacite
2 Andesitic porphyritic dyke
3 Aphanitic volcanics or dyke rock
Br Brecciated (tectonic)
Scale; 1:200 (1 cm = 2 m)

DRILLING SUMMARY (cont.)

Here, medium grey fragments float in the same light grey silicious matrix. Thin veins occur frequently in all five drill holes. Milky white quartz stringers are quite common. Epidote veins are prevalent in the dyke rock and occur to a lesser extent in other lithologies. A few calcite veins were also noted. Pyrite stringers commonly occur in the volcanics, which sustained more fracturing than the andesitic dykes. Some veins contain pyrite together with calcite. Other veins show pyrite occurring with quartz.

These rocks were not only subjected to brecciation and veining but also to secondary mineralization and alteration. This basically involves the alteration of hornblende and feldspar, and the emplacement of disseminated pyrite. Hornblende phenocrysts are commonly changed to chlorite. Also, drill core from the lower part of hole 87-3 showed some hornblende phenocrysts that were partially enclosed in rims of epidote. Feldspar phenocrysts are frequently replaced by epidote. This is especially evident in the andesitic dyke rock. In a few instances feldspar phenocrysts have been altered to clay. Pyrite occurs quite commonly in the volcanics, mostly as fine disseminations and less commonly as blebs up to a few millimeters in diameter. Pyrite is less evident in the dyke rock. The brecciated dyke rock encountered in the upper part of hole 87-1 showed some disseminated pyrite. Most of the pyrite in the dyke rock occurs in the form of veins. In the brecciated dyke of hole 87-1 there appeared to be some association between pyrite and epidote. In addition, in holes 87-4 and 87-5 there was some sort of association between hornblende and pyrite. In this case blebs of pyrite seem to be intergrown with, or partially replacing hornblende phenocrysts.

ASSAYING AND GEOCHEMISTRY OF DRILL CORE

The drill core recovered from the five holes was assayed after being split and logged. Drill cuttings from most of holes 87-4 and 87-5, and parts of holes 87-2 and 87-3 were sampled and assayed because of the poor core recovery experienced in these holes. Table 1 indicates the hole and the interval from which the drill core and drill cuttings were derived from.

Samples were sent to four different assay laboratories for assaying. Some of the samples were analyzed by more than one lab. The drill core and cuttings were analyzed by the following labs:

Becquerel Labs Inc. : Samples 1-1 to 1-9, 2-10, 2-11, 3-12 to 3-16, 4-17, 5-18 and 5-19.

Chemex Labs Ltd. : 1-1, 1-5, 1-8, 1-13, 1-14

Quanta Trace Laboratories Inc. : A1 to A3, B1 to B4, C1, D1 to D4, E1 to E5, F1 to F4, G1 to G5, H1, H2 and I1 to I4.

Sando Industries Ltd. (now Nesmont Precious Metals Corp.) : 1-1 to 1-7

A number of different analytical techniques were used by the various labs. The methods used depended on what the samples were being analyzed for. Fire assays were performed by Sando Industries for gold. Quanta also carried out fire assays for gold and platinum group elements. In addition to precious metals the drill core and cuttings were examined for a number of major and trace elements. Neutron activation analysis (NAA) and plasma emission spectroscopy (ICP) were used for these elements. Becquerel Labs used NAA for 43 major and trace elements, including precious metals. Chemex used NAA and ICP to assay for gold, silver and 38 other major and trace elements. Quanta relied on ICP to determine the contents of 13 major elements (as oxides) and 41 trace elements, excluding precious metals.

Sixty nine elements were assayed for in total. Assay results for sixty one of these elements (excluding K, Na, Ca, P, Si, Al and Fe) are summarized in Table 2, where the elements are listed alphabetically, with the range of abundances obtained by each lab shown for each element. In addition to the assay results, the average abundances (A.A.'s) for each particular element are also presented so that they can be compared with the assay results. Any element occurring at anomalous levels can therefore be readily discerned. The average abundances for the various elements were obtained from standard reference tables that show average abundances for the earth's crust and some basic rock types such as basalt, granite and shale. These tables are found in most geology and geochemistry textbooks. In Table 2 the A.A. for the earth's crust is shown for each element.

ASSAYING AND GEOCHEMISTRY OF DRILL CORE (cont.)

Where there is a significant difference between the A.A. for the earth's crust and the A.A. for a specific rock type, the A.A. for that rock type is also noted.

After examining the assay results for the various elements it appears that most elements show no unusual abundances. The only elements occurring at anomalous levels were ytterbium, tungsten, silver and gold. The ytterbium was anomalous only in sample Sand B2.(Hole 87-3, 80 - 90 feet), with a value of 317 PPM. Other samples contained between 1.6 and 3.0 PPM. Since ytterbium was anomalous only in one sample it does not appear that ytterbium occurs in significant quantities to be of any interest. Tungsten was anomalous only in the drill cuttings (sand) with values varying from 265 to 1230 PPM. Assays of the drill core indicated tungsten values of between 1.4 and 12.2 PPM. This suggests that tungsten does not occur at anomalous levels and that the drill cuttings were contaminated with tungsten from other sources.

Contamination may also explain the high ytterbium content of Sand B2. Anomalous levels of silver were found to occur in several samples. Sample 1-1 (Hole 87-1, 0-25 ft.) assayed 11.5 PPM (Chemex), while sample 1-5 (Hole 87-1, 70-80 ft.) assayed 1.0 PPM (Chemex). Anomalous but low grade gold values were also obtained. Sample 1-1 assayed 2.010 PPM (Chemex) and 1.93 PPM (Sando), and sample 1-5 contained 2.140 PPM (Chemex) and 2.55 PPM (Sando). In addition, sample 1-3 (Hole 87-1, 30-35 ft.) assayed 1.740 PPM (Becquerel, April 30) and 1.824 PPM (Becquerel, May 12). Sample 1-6 (Hole 87-1, 80-90 ft.) assayed 1.68 PPM (Sando), sample G3 (Hole 87-1, 75-90 ft.) contained 1.12 PPM (Quanta) and sample I2 (Hole 87-5, 0-25 ft.) assayed 2.80 PPM (Quanta). It is not definitely known if these gold bearing zones are continuous, but there is the possibility that the intersection at 70-90 feet in hole 87-1 (Samples 1-5 and 1-6) may correlate with the intersection at 75-90 feet in hole 87-3 (Sample G3).

With regards to correlating assay results with the drill core logs, only assays of gold and silver have been correlated with the logs, as shown in Figures 3,4,5 and 6. The various other elements do not occur in significant abundances and therefore are not correlated with any of the drill core logs. Only those logs from holes intersecting anomalous gold and silver values have been correlated with the assays. Therefore, silver assays are correlated only with hole 87-1 (Figure 7), and gold assays are correlated with holes 87-1, 87-3 and 87-5 (Figure 4,5 and 6). Based on the correlations, it appears that the gold and silver bearing intervals occur in both the dacite/silicious andesite and in the andesitic dykes, where disseminated pyrite is frequent, although there are pyritized zones in both lithologies that contain no gold or silver.

TABLE 1: SAMPLE INTERVALS

Sample Number:	Hole:	Sample Interval: feet	metres
	Drilling Mud (Sand)		
A1	87-2	35-50	10.67-15.24
A2	-2	20-35	6.10-10.67
A3	-2	55-70	16.76-21.34
B1	87-3	70-80	21.34-24.38
B2	-3	80-90	24.38-27.43
B3	-3	90-100	27.43-30.48
B4	-3	100-105	30.48-32.00
C1	87-4	20-35	6.10-10.67
D1	87-5	0 -10	0.00- 3.05
D2	-5	10-20	3.05- 6.10
D3	-5	20-30	6.10- 9.14
D4	-5	30-40	9.14-12.19
	Diamond Drill Core (DDC)		
E1	87-1	70-80	21.34-24.38
E2	-1	70-80	21.34-24.38
E3	-1	80-90	24.38-27.43
E4	-1	80-90	24.38-27.43
E5	-1	125-135	38.10-41.15
E6	-1	125-135	38.10-41.15
F1	87-2	10-35	3.05-10.67
F2	-2	10-35	3.05-10.67
F3	-2	35-50	10.67-15.24
F4	-2	35-50	10.67-15.24
G1	87-3	60-75	18.29-22.86
G2	-3	60-75	18.29-22.86
G3	-3	75-90	22.86-27.43
G4	-3	75-90	22.86-27.43
G5	-3	90-105	27.43-32.00
H1	87-4	0 -30	0.00- 9.14
H2	-4	0 -30	0.00- 9.14
I1	87-5	0 -25	0.00- 7.62
I2	-5	0 -25	0.00- 7.62
I3	-5	25-40	7.62-12.19
I4	-5	25-40	7.62-12.19
1-1	87-1	0 -25	0.00- 7.62
1-2	-1	25-30	7.62- 9.14
1-3	-1	30-35	9.14-10.67
1-4	-1	60-70	18.29-21.34
1-5	-1	70-80	21.34-24.38
1-6	-1	80-90	24.38-27.43
1-7	-1	90-105	27.43-32.00
1-8	-1	125-135	38.10-41.15
1-9	-1	135-147	41.15-44.81
2-10	87-2	0 -35	0.00-10.67
2-11	-2	35-50	10.67-15.24
3-12	87-3	0 -30	0.00- 9.14
3-13	-3	30-60	9.14-18.29
3-14	-3	60-75	18.29-22.86
3-15	-3	75-90	22.86-27.43

Sample Number:	Hole:	Sample Interval:	
		feet	metres
3-16	87-3	90-105	27.43-32.00
4-17	87-4	0 -30	0.00- 9.14
5-18	87-5	0 -25	0.00- 7.62
5-19	-5	25-40	7.62-12.19
1-13	87-1	105-114	32.00-34.75
1-14	-1	114-125	34.75-38.10

Table 2: Summary of Assays for Trace Elements and Precious Metals for Diamond Drill Core (DDC) & Drill Cuttings (Sand) From Holes 87-1,2,3,4 & 5

Note: All quantities in parts per million (this is equivalent to grams per tonne)

Antimoney (Sb)
- Becquerel: Range from 0.130 to 1.000 PPM
- Chemex: Range from 0.1 to 0.6 PPM
- Quanta: Range from 0.1 to 0.7 PPM
- Average Abundance (Earth's Crust): 0.2 PPM

Arsenic (As)
- Becquerel: 3.100 to 22.000 (Sample 1-3)
- Chemex: 1 to 6 (Sample 1-1)
- Quanta: All samples <30
- A.A. (Crust): 1.8

Barium (Ba)
- Becquerel: 180.0 to 1300.0
- Chemex: 260 to 1230 (1-14). Most ≤ 360.
- Quanta: 134 to 1164 (E5,E6). Most <500.
- A.A. (Crust): 425

Beryllium (Be)
- Chemex: 0.7 to 0.8
- Quanta: 0.1 to 0.5
- A.A. (Crust): 2.8

Bismuth (Bi)
- Chemex: 0.1 to 0.2
- Quanta: All <20
- A.A. (Crust): 0.17

Boron (B)
- Chemex: 8 to 20
- Quanta: 1 to 10
- A.A. (Crust): 10

Bromine (Br)
- Becquerel: All <2.00
- A.A. (Crust): 2.5

Cadmium (Cd)
- Becquerel: All 5.00
- Chemex: All 0.1
- Quanta: 0.1 to 0.5
- A.A. (Crust): 0.2

Cerium (Ce)
- Becquerel: 18 to 51
- Chemex: 20 to 29
- Quanta: 19.4 to 54.7
- A.A (Crust): 60

Cesium (Cs)
Becquerel: 0.5 to 0.94
Chemex: All <1
A.A. (Crust): 3

Chromium (Cr)
Chemex: 79 to 99
Quanta: 77 to 277
A.A. (Crust): 100, A.A. (Basalt): 200

Cobalt (Co)
Becquerel: 15 to 47
Chemex: 15 to 23
Quanta: 12 to 41 (A2)
A.A. (Crust): 25

Copper (Cu)
Chemex: 13 to 99
Quanta: 7 to 171 (A2)
A.A. (Crust): 55, A.A. (Basalt): 100

Dysorosium (Dy)
Quanta: 2.0 to 3.1
A.A. (Crust): 3

Erbium (Er)
Quanta: 1.0 to 1.9
A.A. (Crust): 2.8

Europium (Eu)
Becquerel: All <1.00
Chemex: 0.6 to 0.9
Quanta: 0.7 to 1.3
A.A. (Crust): 1.2

Gadolinium (Gd)
Quanta: 1.6 to 2.3
A.A. (Crust): 5.4

Gallium (Ga)
Becquerel: All <20
Chemex: 10 to 12
Quanta: 7 to 12
A.A. (Crust): 15

Germanium (Ge)
Becquerel: All <200
Chemex: All 10
Quanta: All 1
A.A. (Crust): 1.5

Gold (Au)

Becquerel (April 30): Most range from 0.002 to 0.759. Anomalous values: 1.740 (1-3).
Becquerel (May 12): Most range from 0.004 to 0.768. Anomalous values: 1.824 (1-3).
Chemex: Most range from 0.006 to 0.014. Anomalous values: 2.010 (1-1) and 2.140 (1-5).
Quanta: Most range from 0.01 to 0.49. Anomalous values: 1.12 (G3) and 2.80 (I2).
Sando Industries: Most range from 0.12 to 0.37. Anomalous values: 1.93 (1-1), 2.55 (1-5) and 1.68 (1-6).
A.A. (Crust): 0.004

Holmium (Ho)

Quanta: Range from 0. 5 to 0.8
A.A. (Crust): 1.2

Indium (In)

Becquerel: All <0.200
A.A. (Crust): 0.1

Iridium (Ir)

Becquerel (April 30): All <0.05
Becquerel (May 12): <0.0002 to 0.001
A.A. (Crust): 0.0004

Lanthanum (La)

Becquerel: 7.90 to 22.00
Chemex: 9 to 13
Quanta: 8.0 to 27.6
A.A. (Crust): 30

Lead (Pb)

Quanta: 5 to 15
A.A. (Crust): 12.5

Lithium (Li)

Chemex: 4 to 5
A.A. (Crust): 20

Lutetium (Lu)

Becquerel: All <1.00
Chemex: All <1.0
Quanta: 0.3 to 0.5
A.A. (Crust): 0.50

Manganese (Mn)

Quanta: 256 to 1239 (E5)
A.A. (Crust); 950

Mercury (Hg)

Quanta: 0.1 to 6.7. Most at 0.1 or 0.2
A.A. (Crust): 0.08

Molybdenum (Mo)

Becquerel: <1.00 to 2.80
Quanta: <3 to 13 (B2). Most ≤ 6.
A.A. (Crust): 1.5

Neodynium (Nd)
Quanta: 12.4 to 27.6
A.A. (Crust): 28

Nickel (Ni)
Becquerel: ∠10.00 to 22.00
Quanta: 7 to 75
A.A. (Crust): 75

Niobium (Nb)
Becquerel: All ∠3000
Chemex: All ∠20
Quanta: 3.1 to 12.6
A.A. (Crust): 20

Osmium (Os)
Becquerel: All ∠0.002
A.A. (Crust): 0.0004

Palladium (Pd)
Becquerel: ∠0.005 to 0.030
Quanta: All ∠0.01, except for 0.16 (F1) and 0.09 (F3).
A.A. (Crust): 0.004, A.A. (Basalt): 0.02

Platinum (Pt)
Becquerel: ∠0.005 to 0.088
Quanta: All ≤0.02, except for 0.03 (A3).
A.A. (Crust): 0.002, A.A. (Basalt): 0.02

Praseodynium (Pr)
Quanta: 0.4 to 3.8
A.A. (Crust): 8.2

Rhenium (Re)
Becquerel (April 27): All ∠1.00
Becquerel (May 12): All ∠0.001
A.A. (Crust): 0.0004

Rhodium (Rh)
Becquerel: All ∠0.001
Quanta: All ∠0.03
A.A. (Crust): 0.0004

Rubidium (Rb)
Becquerel: 11 to 34
Chemex: 14 to 16
A.A. (Crust): 90

Ruthenium (Ru)
Becquerel: ∠0.005 to 0.017
A.A. (Crust): 0.0004

Samarium (Sm)
Becquerel: 2.7 to 4.7
Quanta: 2.8 to 4.9
A.A. (Crust): 6

Scandium (Sc)
Becquerel: 18.00 to 31.00
Chemex: 16.3 to 21.3
A.A. (Crust): 16, A.A. (Basalt): 38

Selenium (Se)
Becquerel: <5.00 to 7.40
Chemex: All 0.20
Quanta: All <10
A.A. (Crust): 0.05

Silver (Ag)
Becquerel: All <2.00
Chemex: Most <0.5. Anomalous values of 1.0 (1-5) and 11.5 (1-1).
Quanta: 0.2 to 0.80 (B1, D3, E4)
A.A. (Crust): 0.07, A.A. (Basalt): 0.1

Stontium (Sr)
Becquerel: 180 to 640 (1-3)
Chemex: 315 to 440
Quanta: 118 to 406
A.A. (Crust): 375, A.A. (Basalt): 465

Tantalum (Ta)
Becquerel: <0.500 to 0.580
Chemex: All 1
Quanta: 0.5 to 1.4
A.A. (Crust): 2

Tellurium (Te)
Becquerel: All <10.00
Chemex: <0.05 to 0.55
Quanta: 0.1 to 0.3
A.A. (Crust): 0.001

Terbium (Tb)
Becquerel: 0.50 to 0.83
Chemex: All <1
Quanta: 0.2 to 0.4
A.A. (Crust): 0.9

Thallium (Tl)
Chemex: All 0.1
A.A. (Crust): 0.45, A.A. (Basalt): 0.1

Thorium (Th)
Becquerel: 0.85 to 4.60
Chemex: 1.9 to 3.3
Quanta: 0.4 to 2.3
A.A. (Crust): 10

Thullium (Tm)
Quanta: All 0.2 or 0.3
A.A. (Crust): 0.48

Tin (Sn)
Becquerel: All <100.0
Chemex All 1
Quanta: 0.3 to 32.6 (I3)
A.A. (Crust): 2

Titanium (Ti)
Becquerel: 3280 to 5440
Chemex: 4080 to 4490
Quanta: 3357 to 6595
A.A. (Crust): 5700, A.A. (Basalt): 9000

Tungsten (W)
Becquerel: <1.000 to 2.200
Chemex: All 1
Quanta: 1.4 to 1230 (Sand A2). Lowest Sand value is 265 (Sand D1), highest DDC value is 12.2 (DDC E2)
A.A. (Crust): 1.5

Uranium (U)
Becquerel: 0.280 to 1.500
Quanta: <0.1 to 0.3
A.A. (Crust): 2.7

Vanadium (V)
Becquerel: 156 to 334
Chemex: 126 to 177
Quanta: 119 to 284
A.A. (Crust): 135, A.A. (Basalt): 250

Ytterbium (Yb)
Becquerel: <2.00 to 3.00
Chemex: 1.6 to 2.4
Quanta: Most range from 1.9 to 3.0, except for Sand B2 with 317. This is definitely anomalous.
A.A. (Crust): 3

Yttrium (Y)
Chemex: 18 to 59
Quanta: 16.8 to 29.7
A.A. (Crust): 30

Zinc (Zn)
Becquerel: <100.00 to 130.00
Chemex: 18 to 59
Quanta: 12 to 263
A.A. (Crust): 70

Zirconium (Zr)
Becquerel: 200.0 to 280.0
Chemex: 65 to 115
Quanta: <7.4 to 118
A.A. (Crust): 165

FIGURE 4: Core log correlated with gold assays - DDH-87-1

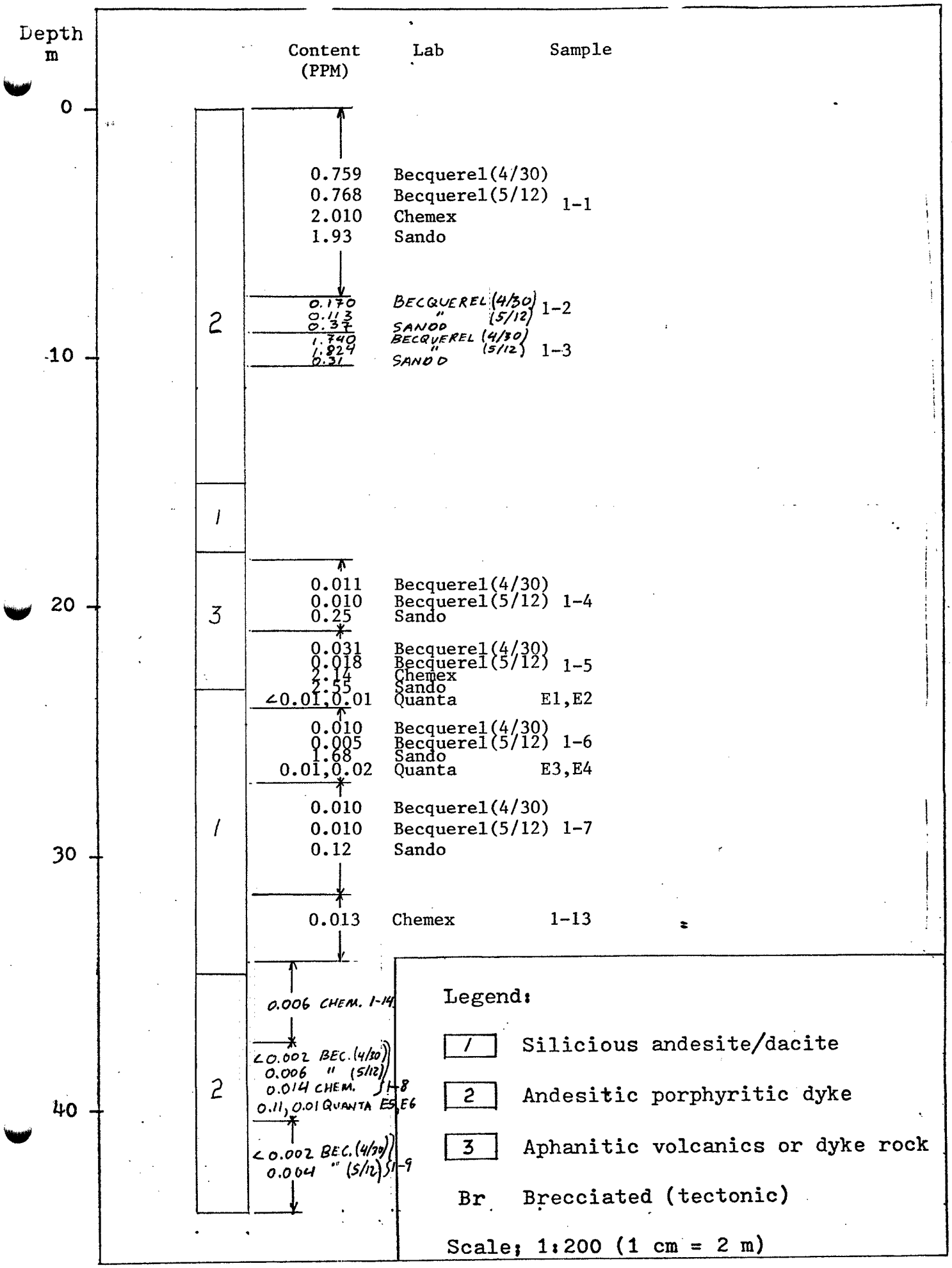


FIGURE 5: Core log correlated with gold assays - DDH-87-3

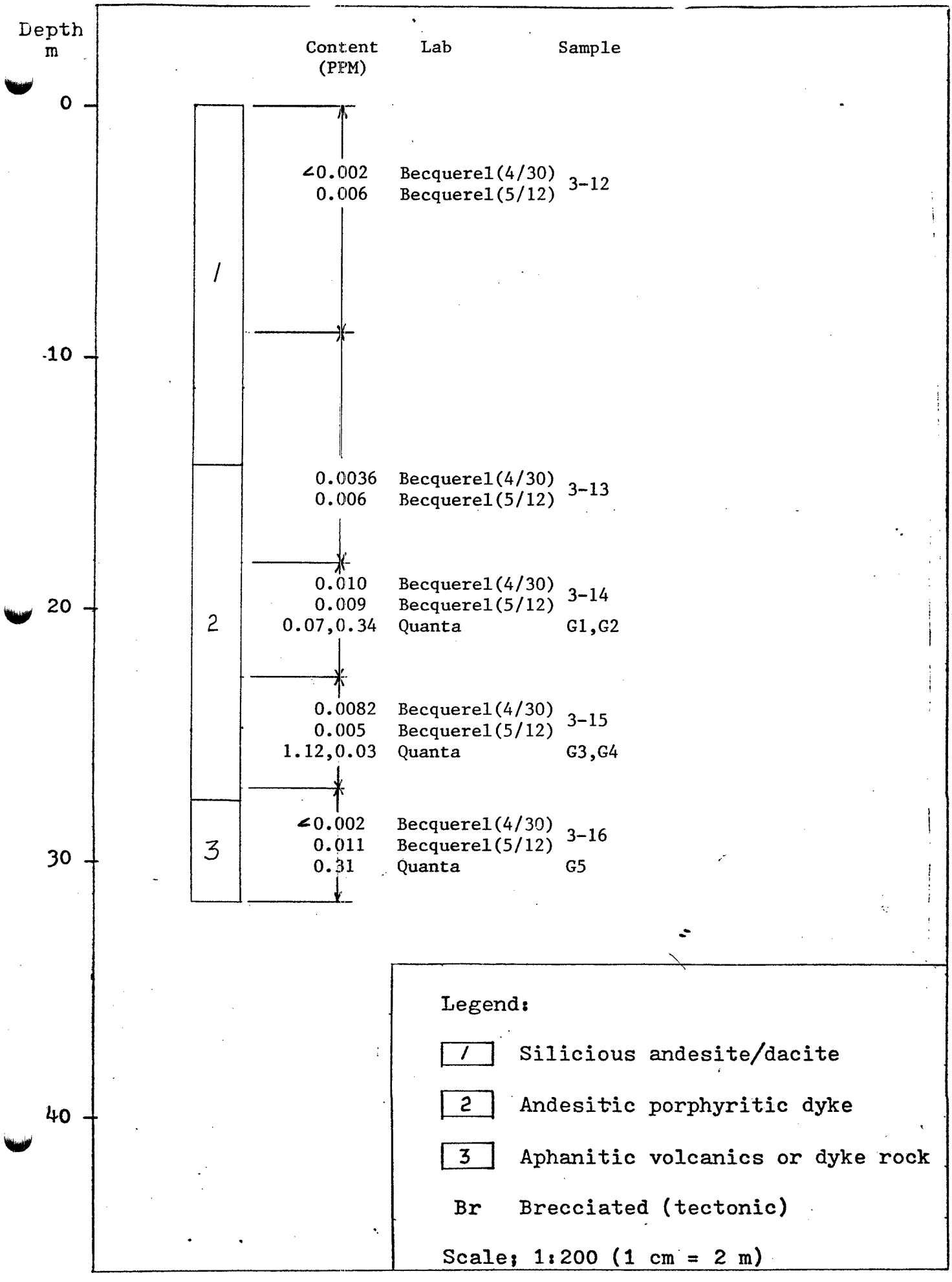


FIGURE 6: Core log correlated with gold assays - DDH-87-5

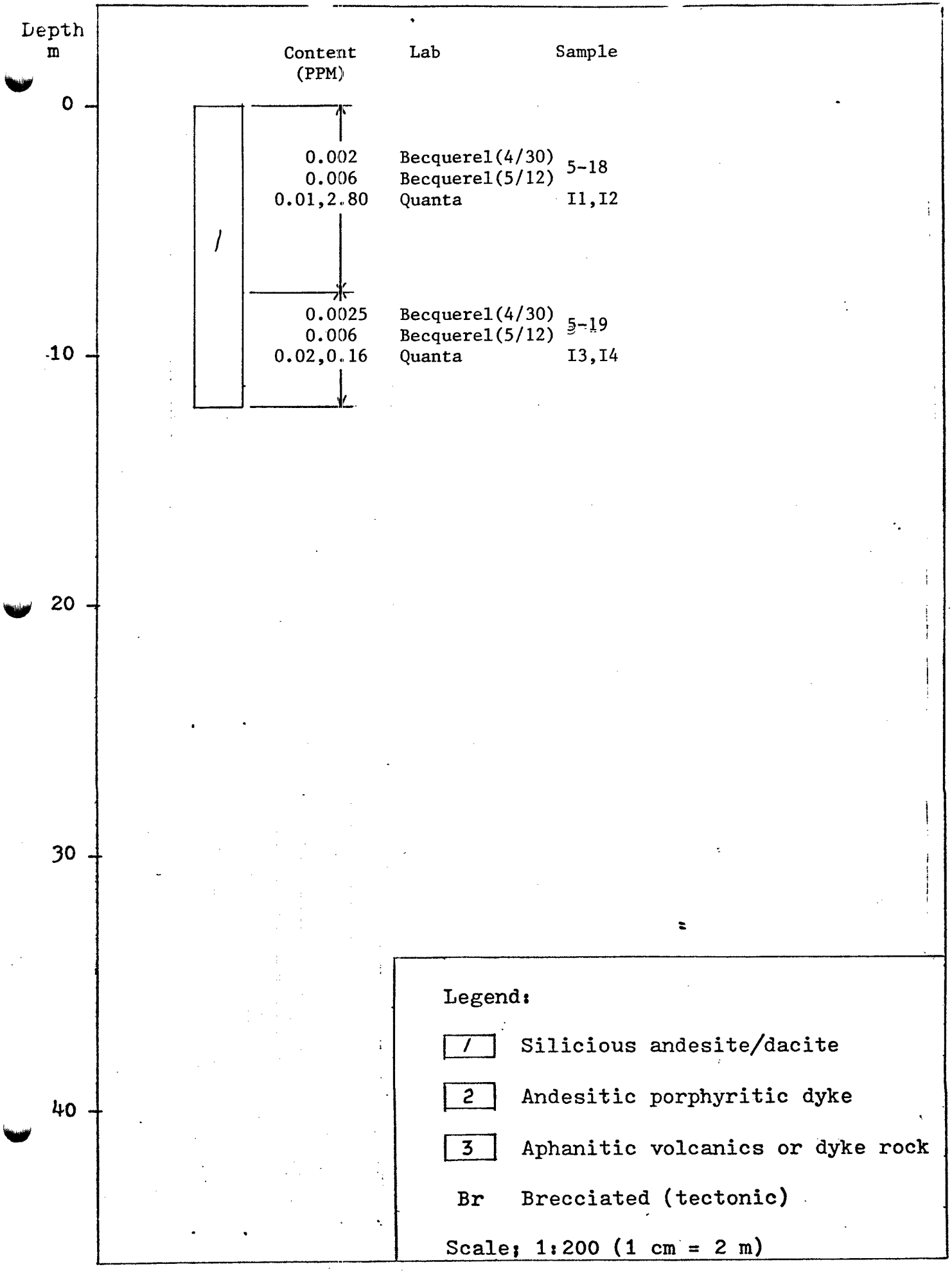
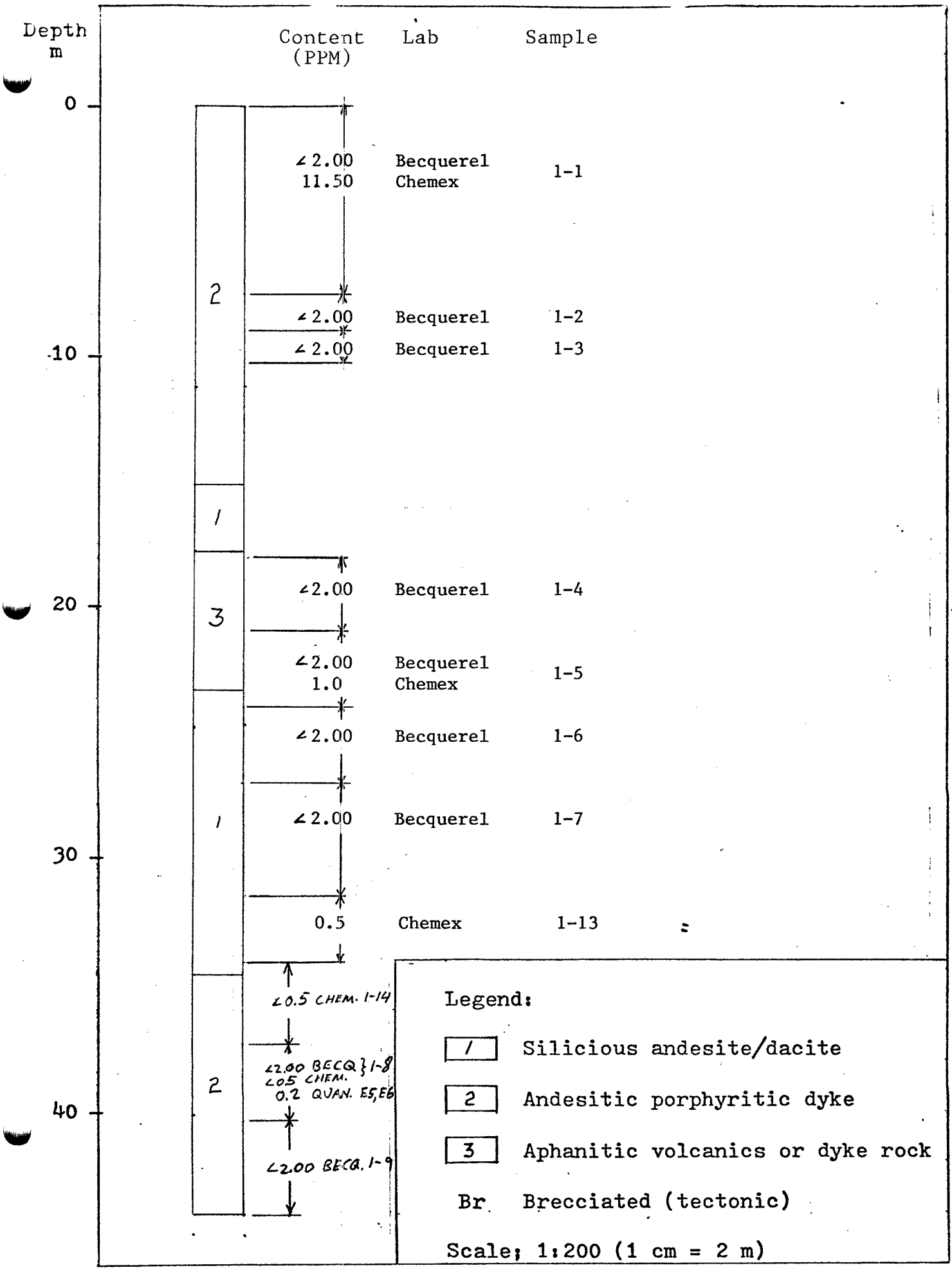


FIGURE 7: Core log correlated with silver assays - DDH-87-1



Conclusions and Recommendations

Low grade gold and silver values were encountered in three shallow EX sized diamond drill holes on the **ARCHER** I mineral claim. The gold and silver bearing intervals are contained in pyritized felsic volcanics of the Bonanza Group and Tertiary aged andesitic dykes. Geological mapping indicates that this zone of pyritization is limited to the **ARCHER** I mineral claim on the north side of Raymond and Granite Creeks. Drill core assays for a number of other major and trace elements indicates no unusual abundances of any other elements.

Geological mapping at 1:5000 scale should continue on to the other claims of the Archer and Good Gold claim groups to outline other pyritized zones that may contain anomalous precious metal values. In addition, sampling should be conducted along road cuts on the **ARCHER** I claim to outline gold and silver bearing zones at the surface.

Drilling should continue if this program of sampling encounters anomalous precious metal values. If and when drilling resumes, at least BQ sized drill core (36.5 mm diameter) should be taken to counteract the poor core recovery and the extensive fracturing of drill core that was experienced with the EX sized drill core.

Any future assaying of drill core and surface samples should be conducted for only gold and silver. It is deemed unnecessary to continue to assay for nickel and platinum group elements because of the lack of ultramafic rocks in this area. It is also considered unnecessary to continue assaying for the various other major and trace elements because previous assays have shown no unusual abundances of these elements.

References

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Geological Maps of Southern Vancouver Island, Lithoprobe 1.
Geological Survey of Canada, Open File 1272, 1986.

STATEMENT OF QUALIFICATIONS

I, Peter S. Fischl, do hereby certify that:

1. I am a graduate of the University of British Columbia (1986), with a Bachelor of Science Degree in Geological Sciences.

2. I am a member in good standing of the Geological Association of Canada (Cordilleran Section), the Canadian Society of Petroleum Geologists (Coal Division) and the American Association of Petroleum Geologists.

3. I have held several summer field positions in the past. From June 1 to August 31, 1984 I was employed as a mapping assistant with the exploration department of Westmin Resources Ltd. From July 2 to September 6, 1985, I was employed by the Geological Branch of the British Columbia Ministry of Energy, Mines & Petroleum Resources as a geological field assistant.

4. I have been employed as a geologist with Nuspar Resources Ltd. since February, 1987.

Peter Fischl

Peter Fischl, B.Sc.

COST STATEMENT - ARCHER CLAIM GROUP (ARCHER I, MUCKAWAY I & II, SAW and T.B.K.)

Physical:

Trenching in rock (See Figures 9 & 12 for trench locations)

1-1W to 1-53W: 1m x 1m x 1m each x 53 =	53 c.m.
1-1E to 1-125E: 1m x 1m x 1m each x 125 =	125 c.m.
1-130E to 1-156E: 1m x 1m x 1m each x 27=	27 c.m.
	209 c.m.

Total Trenching = 209 c.m. @ $60/c.m. = $12,540.00

Drilling:

Coring: 372' of EX core @ $18/ft		$ 6,696.00
Core logging: 1.5 days @ $200/day		300.00
Assaying of drill core and cuttings:		
Becquerel Labs (NAA)	$ 2,679.00	
Chemex Labs (ICP & NAA)	581.00	
Quanta Trace Laboratories (ICP & Fire Assay)	4,620.00	
Sando Industries (Fire Assay)	175.00	
Total Assaying	8,055.00	8,055.00
Total Drilling		$ 15,051.00

Geological Surveying:

Geological Mapping:	8.5 days @ $200/day	$ 1,700.00
Supply costs (Field Conditions)	: 8.5 days @ $45/day	382.50
Transportation (4x4 pick up truck)	: 8.5 days @ $40/day	340.00
		$ 2,422.00
Total Physical, Drilling & Geological Surveying		$ 30,013.00

$30,000 is to be applied to the Archer Claim Group (100 units) for three years.

COST STATEMENT - GOOD GOLD CLAIM GROUP (ARCHER II, GOOD GOLD, TATTERS II, DRILLER I and II, GOOD GOLD 2 - 5)

Physical:

Trenching in rock (see Figure 9 for trench locations):

T-87-2: 1m x 3m x 4m	=	12 c.m.
T-87-3: 1.5m x 3m x 4m	=	18 c.m.
T-87-4: 1.5m x 3m x 4m	=	18 c.m.
Total Volume	=	48 c.m.

Total Trenching: 48 c.m. @ $60/c.m. = $2,880.00

Road Clearing (see Figure 8 for roads cleared)

Road length cleared: 2.2 km		
Road width cleared: 10 m		
4 men @ $100/day for 4 days	=	$ 1,600.00
2 chain saws @ $21.75/day	=	174.00
Total Road Reclamation		$ 1,774.00

Total Physical $ 4,654.00

Geological Surveying:

Geological Mapping: 13.5 days @ $200/day	=	$ 2,700,00
Supply costs (Field Conditions) : 13.5 days @ $45/day	=	607.00
Transportation (4x4 pick up) : 13.5 days @ $40/day	=	540.00
		$ 3,847.00

PAC Withdrawal: $1,098.50 (28.55% of $3,847.00)

Total physical, geological surveying & PAC withdrawal $ 9,600.00

$9,600 is to be applied to the Good Gold Claim Group (96) units for one year.

FIGURE 8: Map of road reclammation

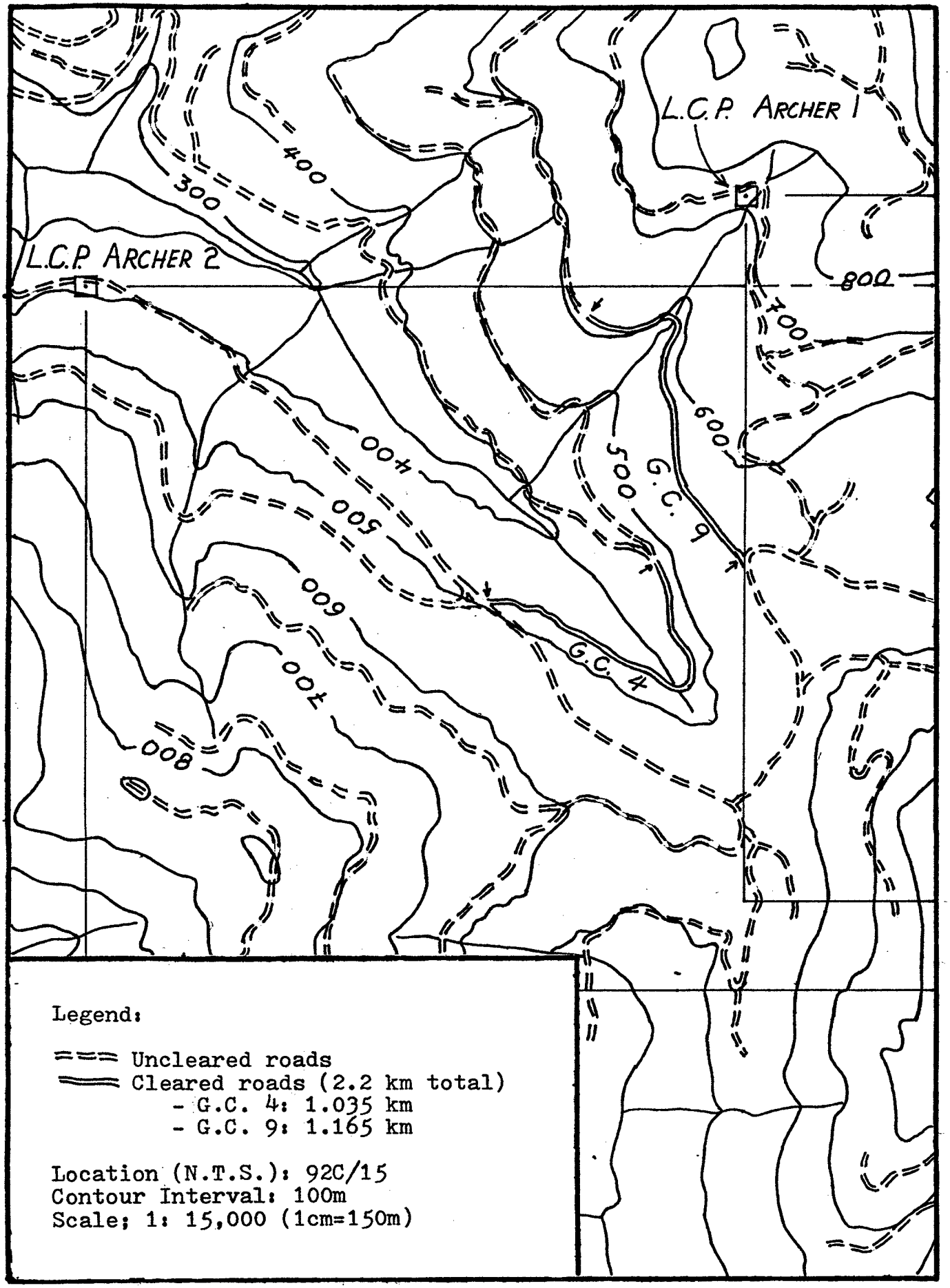
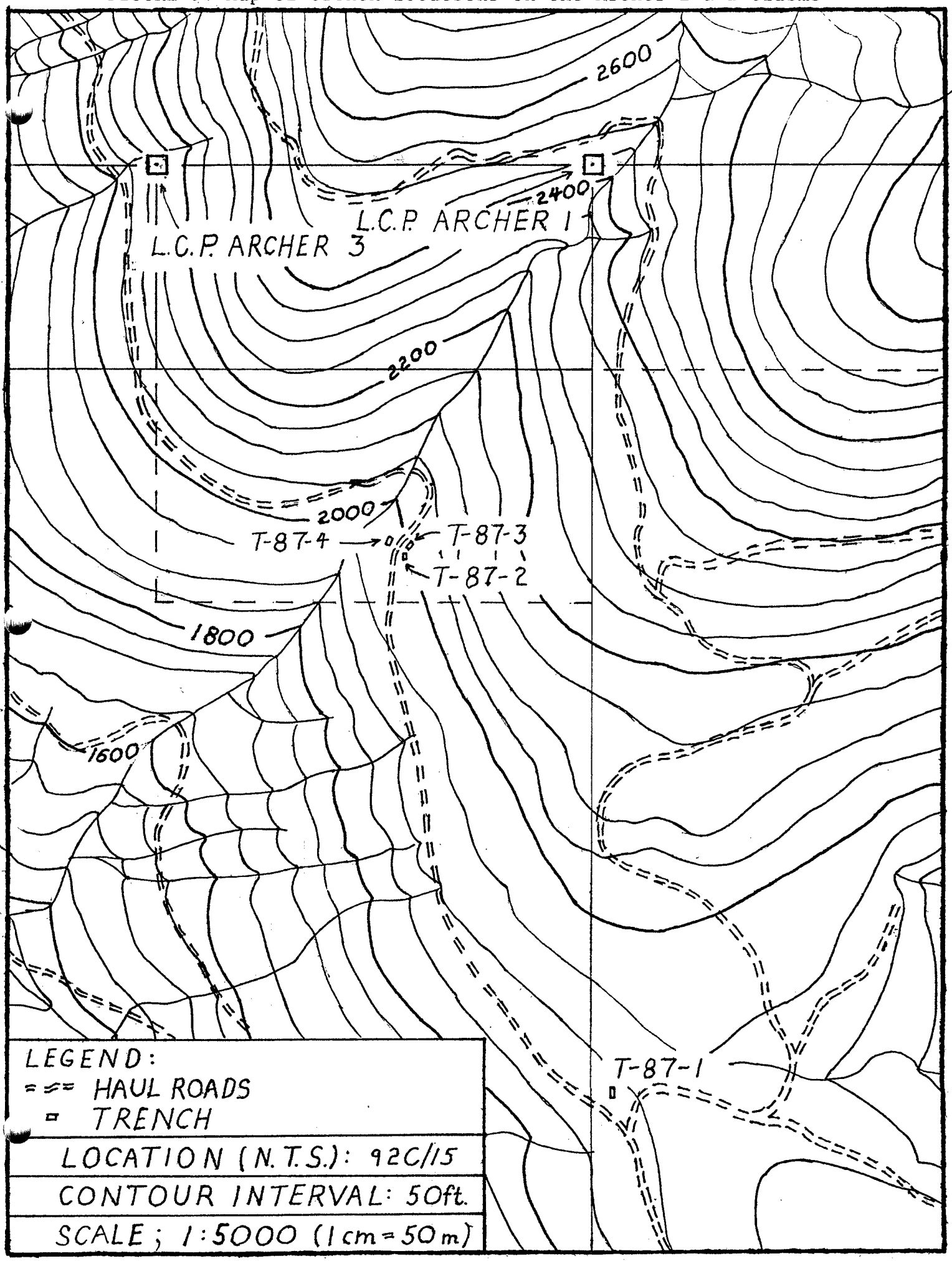


FIGURE 9: Map of trench locations on the Archer 1 & 2 claims



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH–TITLES DIVISION

GOLD COMMISSIONER
RECEIVED and RECORDED
DEC -9 1987
M.R. #095537I $7040.00 KS
VICTORIA, B.C.

MINERAL ACT

FORM I

NOTICE TO GROUP

Mining Division VICTORIA Location COWICHAN LAKE

Name of group ARCHER GROUP Map No. 92C.088 (92C/15&16

We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the *Mineral Act*:–

NAME OF CLAIM	No. of Units	Record No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
ARCHER 1	20	1793	12/86		279492
MUCKAWAY 1	20	1819	01/87		"
MUCKAWAY 2	20	1820	01/87		"
SAW	20	1880	04/87		279493
T.B.K.	20	1931	05/87		279493 + 279509

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES BRANCH–TITLES DIVISION

MINERAL ACT

FORM I

GOLD COMMISSIONER
RECEIVED and RECORDED
DEC -9 1987
M.R. # 095537J $ 20.00 KS
VICTORIA, B.C.

NOTICE TO GROUP

Mining Division VICTORIA Location COWICHAN LAKE

Name of group GOOD GOLD GROUP Map No. 92C088 (92C/15 & 16

We, the undersigned owners* of the following adjoining claims, desire to group them according to the provisions of the *Mineral Act*:–

NAME OF CLAIM	No. of Units	Record No.	Month of Record	SIGNATURE OF OWNER*	Free Miner Certificate No.
ARCHER 2	20	1794	12/86		279492
GOOD GOLD	20	1815	01/87		"
TATTERS 2	20	1817	01/87		"
DRILLER 1	12	1941	06/87		"
DRILLER 2	20	1942	06/87		279493
* GOOD GOLD 2	1	1884	04/87		"
* GOOD GOLD 3	1	1885	04/87		279492
* GOOD GOLD 4	1	1886	04/87		"
* GOOD GOLD 5	1	1887	04/87		"

* CLAIM RECENTLY TRANSFERED TO NUSPAR FROM L.E. SAWYER (FMC: 279493)

Province of British Columbia Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION — TITLES BRANCH

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

GOLD COMMISSIONER
VICTORIA, B.C.
DEC - 8 1987
M.R. # 045531 $20640.00

I, L.E. SAWYER (Name)

4252 Interurban Road, R.R. 3, (Address)

Victoria, B.C.

V8X 3X1 (Postal Code) 479-4339 (Telephone Number)

Valid subsisting F.M.C. No. 279493

Agent for NUSPAR RESOURCES LTD.

205, 493 BURNSIDE ROAD E., (Address)

VICTORIA, B.C.

V8T 2X3 (Postal Code) 386-6362 (Telephone Number)

Valid subsisting F.M.C. No. 279492

STATE THAT

1. I have done, or caused to be done, work on the ARCHER 1, MUCKAWAY 1, MUCKAWAY 2, SAW, T.B.K. Claim(s)

Record No(s). 1793, 1819, 1820, 1880, 1931

Situate at COWICHAN LAKE in the VICTORIA Mining Division,

to the value of at least $30,000.00 dollars. Work was done from the first day

of February 19 87 to the first day of December 19 87

2. The following work was done in the 12 months in which such work is required to be done:

[COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING]

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails.)

(Give details as required by section 13 of regulations.)

	COST
Trenching: 207 Trenching @ 1 Meter³ ea 9 by m in rock.	$12,540.00
TOTAL PHYSICAL	$12,540.00

I wish to apply $ 12,540. of physical work to the claims listed below. See reverse

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

		COST
C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)		$15,051.00
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)		
Geological mapping:		$ 2422.50
	TOTAL OF C AND D	$17,473.50

Where the above statement requires a technical report as per section C of the Mineral Act Regulations, the author of the report shall complete both copies of the ASSESSMENT REPORT TITLE PAGE AND SUMMARY form and include the completed forms in the assessment reports.

Who was the operator (provided the financing)?

Name: Nuspar Resources Ltd.

Address: #205, 493 Burnside Road E., Victoria, B.C. V8T 2X3

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) or operator(s) account(s)

[May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.]	Name of Owner Operator	AMOUNT
	1.	
	2.	
	3.	
	TOTAL WITHDRAWAL	
	TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	~~$30,043.50~~ 24

Total of A C & D

I wish to apply $ 30,000.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

Archer 1 (Record #: 1793), Dec., 3 years, Muck Away 1 (Record #:1819), Jan., 3 years, Muck Away 2 (Record #: 1820), Jan., 3 years, Saw (Record #: 1880), April, 3 years, T.B.K. (Record #: 1931), May , 3 years.

Value of work to be credited to portable assessment credit (PAC) account(s).
[May only be credited from the approved value of C and (or D) not applied to claims.]

Name of owner/operator	Name	AMOUNT
	1.	
	2.	

Province of British Columbia Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION — TITLES BRANCH

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

GOLD COMMISSIONER
VICTORIA, B.C.
RECORDED
DEC - 9 1987
M.R. # 0755375

I. L.E. SAWYER (Name)
4252 Interurban Road, R.R. 3, (Address)
Victoria, B.C.
V8X 3X1 (Postal Code) 479-4339 (Telephone Number)

Agent for NUSPAR RESOURCES LTD.
#205, 493 Burnside Road E. (Address)
Victoria, B.C.
V8T 2X3 (Postal Code) 386-6362 (Telephone Number)

Valid subsisting F.M.C. No. 279493

Valid subsisting F.M.C. No. 279492

STATE THAT

1. I have done, or caused to be done, work on the Archer 2, Good Gold, Tatters 2, Driller 1, Driller 2, Good Gold 2, Good Gold 3, Good Gold 4, Good Gold 5 Claim(s)

Record No(s). 1794, 1815, 1817, 1941, 1942, 1884, 1885, 1886, 1887

Situate at Cowichan Lake in the Victoria Mining Division,

to the value of at least ~~$9680~~ $8501.50 dollars. Work was done from the first day

of September 19 87, to the first day of December 19 87

2. The following work was done in the 12 months in which such work is required to be done:

[COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING]

A. PHYSICAL (Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails.)

(Give details as required by section 13 of regulations.)

	COST
Trenching: Trenches 2 x 18 ^{3}M and 1 x 13 ^{3}M in rock	$2880.00
Road reclamation: 4 days for 4 men @ $100 per day. Two chain saws for 4 days @ 21.75 day. Length of road 2.2 KM X 10 M	$1774.00
TOTAL PHYSICAL	$4654.00

I wish to apply $ 4654.00 of physical work to the claims listed below. See reverse.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)	
Geological mapping:	$3847.50
TOTAL OF C AND D	$3847.50

Where the above statement requires a technical report as per section C of the Mineral Act Regulations, the author of the report shall complete both copies of the ASSESSMENT REPORT TITLE PAGE AND SUMMARY form and include the completed forms in the assessment reports.

Who was the operator (provided the financing)?

Name: Nuspar Resources Ltd.

Address: #205, 493 Burnside Road E., Victoria, B.C. V8T 2X3

Portable Assessment Credits (PAC) Withdrawal Request Amount to be withdrawn from owner(s) or operator(s) account(s)	Name of Owner Operator	AMOUNT
[May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.]	1. Nuspar Resources Ltd.	$1098.50
	2.	
	3.	
	TOTAL WITHDRAWAL	$1098.50
	TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL	$4946. ~~$9600.00~~

Total of A, C & D

I wish to apply $ 9600.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record number.)

Archer 2 (Record #: 1794), Dec., 1 year, Good Gold (Record #: 1815), Jan., 1 year, Tatters 2 (Record #: 1817), Jan., 1 year, Driller 1 (Record #: 1941), June, 1 year, Driller 2 (Record #: 1942), June, 1 year, Good Gold 2 (Record #: 1884), April, 1 year, Good Gold 3 (Record #: 1885), April, 1 year, Good Gold 4 (Record #: 1886), April, 1 year, Good Gold 5 (Record #: 1887), April, 1 year.

Value of work to be credited to portable assessment credit (PAC) account(s).
[May only be credited from the approved value of C and (or D) not applied to claims.]

Name of owner/operator	Name	AMOUNT
	1.	
	2.	

APPENDIX 1

DRILL CORE LOGS

DIAMOND DRILL GEOLOGICAL LOG

Property: Nitinat-Cowichan Lake Claim: Archer I
N.T.S.: 92C/15

Logged By: Peter S. Fischl, B.Sc. Date Logged: Feb. 10,1987

Hole: DDH-87-1 Core: EX (22.2mm) Elevation: 726m (2,415ft)

Dip(Inclination): 60 Bearing (Azimuth): 000
Total Length: 44.8m

Note: The drill core from this hole and from holes 2, 3, 4 and 5 is stored at the residence of L.E.Sawyer (President of Nuspar Resources Ltd.) at 4252 Interurban Road, Victoria, B.C. V8X 3X1

From m	To m	Length m	Rock Description
0.0	1.50	1.50	No core.
1.50	9.30	7.80	Brecciated andesitic porphyritic dyke. Rock consists of angular to subangular dark greenish grey feldspar porphyritic clasts in a light grey quartz matrix. Clasts range in size from a few mm's to over 10cm's. Feldspar phenocrysts are up to 3 mm's in length. They are commonly altered to epidote. Pyrite disseminated throughout the rock. Appears to be a weak association between this pyrite and the epidote. Pyrite occurs less commonly as thin veins dipping steeply in core. Also a few stringers of quartz, epidote and calcite dipping steeply (20-30) to core. Core tends to break frequently along these stringers.
9.30	9.90	0.60	Feldspar porphyritic dacite (?). Some disseminated pyrite.
9.90	10.55	0.65	Brecciated andesitic feldspar porphyritic dyke rock.
10.55	13.50	2.95	Andesitic feldspar hornblende porphyritic dyke rock. Hornblende

			phenocrysts frequently altered to chlorite. Disseminated pyrite throughout rock. Brecciated in places.
13.50	15.25	1.75	No core.
15.25	17.95	2.70	Silicious porphyritic andesite. Consists of hornblende phenocrysts in a silicious light grey aphanitic matrix. Some hornblende phenocrysts altered to chlorite. Some disseminated pyrite.
17.95	23.60	5.65	Brecciated greenish grey aphanitic volcanics or dyke rock. Consists of angular clasts in a light grey silicious matrix. Pyrite occurs as fine disseminations and coarse "blebs".
23.60	24.25	0.65	Andesitic porphyritic dyke. Rock is made up of feldspar and hornblende phenocrysts in a greenish grey aphanitic matrix. Hornblende phenocrysts are sparse and tend to be chloritized. Pyrite occurs as fine disseminations to coarser "blebs".
24.25	25.00	0.75	Silicious porphyritic andesite.Rock shows densely distributed hornblende phenocrysts in a light grey silicious aphanitic matrix. Hornblende phenocrysts are up to 1mm long.They are commonly chloritized. Intensively pyritized over a 10cm zone. This pyritization is associated with quartz stringers.
25.00	25.60	0.60	Silicious porphyritic andesite.Consists of loosely scattered hornblende phenocrysts in a light grey silicious matrix.Hornblende phenocrysts are up to 5mm's in length.They are often chloritized.There is also some fine to coarsely disseminated pyrite.
25.60	26.20	0.60	Andesitic porphyritic dyke.Made up of feldspar and hornblende phenocrysts in a light greenish grey aphanitic matrix.The

			hornblende phenocrysts are not as common as the feldspar phenocrysts.The hornblende phenocrysts are commonly chloritized.Some finely disseminated pyrite.Veined with grey quartz and yellow-green epidote.
26.20	28.15	1.95	Silicious porphyritic andesite. Characterized by hornblende phenocrysts, up to 5mm's in length, floating in a light grey silicious aphanitic matrix.Hornblende phenocrysts are frequently chloritized.Fine to coarse disseminations of pyrite.A few pyrite stringers.
28.15	28.35	0.20	Silicious porphyritic andesite.This rock is densely porphyritic with numerous small (up to 1mm long) hornblende phenocrysts in a light grey silicious matrix.
28.35	28.90	0.55	Silicious zone consisting almost entirely of grey quartz.
28.90	35.15	6.25	Silicious porphyritic andesite.Shows loosely scattered to densely grouped hornblende phenocrysts in a silicious grey aphanitic matrix.Hornblende phenocrysts up to a few mm's in length.They are commonly chloritized.Some stringers of quartz and calcite dipping steeply to core.Pyrite occurs as stringers and as fine to coarse disseminations.
35.15	44.80	9.65	Andesitic porphyritic dyke.Characterized by feldspar and hornblende phenocrysts in a dark to medium greenish grey aphanitic matrix.Feldspar phenocrysts around 3mm's long.Hornblende phenocrysts up to 1mm long. Feldspar phenocrysts more common than the hornblende phenocrysts. Some feldspar phenocrysts have been altered to epidote.Contact between this dyke and the overlaying silicious porphyritic andesite dips

at about 30 to the drill core. At 39.20 metres a dioritic xenolith 10cm's in diameter was noted.It consisted of a few feldspar and hornblende phenocrysts up to 3mm's long, floating in a fine grained matrix of lath like feldspar and hornblende (?) crystals less than 1mm long.

DIAMOND DRILL GEOLOGICAL LOG

Property: Nitinat-Cowichan Lake Claim: Archer I
N.T.S.: 92C/15

Logged By: Peter S. Fischl, B.Sc. Date Logged: Feb. 10,1987

Hole: DDH-87-2 Core: EX (22.2mm) Elevation: 786m (2,580ft)

Dip(Inclination): 45 Bearing (Azimuth): 286
Total Length: 15.24m

Note: Hole discontinued due to poor core recovery (less than 50%), associated with extensive fracturing and grinding up of drill core.

From m	To m	Length m	Rock Description
0.0	3.05	3.05	No core.
3.05	6.70	3.65	Silicious porphyritic andesite.Rock shows black hornblende phenocrysts and milky white feldspar phenocrysts in a silicious grey aphanitic matrix.Hornblende phenocrysts up to 1mm long and are commonly altered to chlorite.Feldspar phenocrysts are up to 0.5mm long.They are less common than the hornblende phenocrysts.Pyrite disseminated throughout.Pyrite occurs rarely as blebs up to several mm's in diameter.Some pyrite also along fractures.
6.70	8.05	1.35	Brecciated silicious porphyritic andesite.Quartz and calcite veins common.Pyrite disseminated throughout and along fractures (associated with calcite veins).
8.05	11.60	3.55	Silicious porphyritic andesite,with disseminated pyrite (rarely as blebs).Between 9.15 and 9.25m: intense pyritization associated with calcite veins.
11.60	13.10	1.50	Brecciated silicious porphyritic andesite.Rock shows hornblende

			phenocrysts up to 1mm long.Some disseminated pyrite.Also some pyrite along fractures.Extensively veined with calcite stringers.
13.10	15.24	2.14	Silicious porphyritic andesite.Rock is made up of hornblende phenocrysts in a silicious grey aphanitic matrix.Hornblende phenocrysts up to 0.5mm in length.Some hornblende phenocrysts have been chloritized.Disseminated pyrite common.Some pyrite and calcite occurring as fracture infillings.

DIAMOND DRILL GEOLOGICAL LOG

Property: Nitinat-Cowichan Lake Claim: Archer I
N.T.S.: 92C/15

Logged By: Peter S. Fischl, B.Sc. Date Logged:April 27,1987

Hole: DDH-87-3 Core: EX (22.2mm) Elevation: 732m (2,400ft)

Dip(Inclination): 45 Bearing (Azimuth): 015
Total Length: 32.0m

Note: Hole discontinued due to poor core recovery caused by extensive fracturing and grinding up of drill core.

From m	To m	Length m	Rock Description
0.0	1.50	1.50	No core.
1.50	6.10	4.60	Brecciated silicious porphyritic andesite/dacite.For the first few metres the rock is medium grey and largely aphanitic with a few hornblende and feldspar phenocrysts in places.These phenocrysts are less than 0.5mm in length.With increasing depth the rock becomes increasingly feldspar porphyritic, with feldspar phenocrysts becoming slightly larger (up to a mm).The aphanitic matrix takes on a darker greenish colour,with increasing depth.Appears brecciated in places,with dark grey to greenish grey aphanitic to feldspar porphyritic clasts floating in a light grey silicious matrix. Brecciation decreases with increasing depth.Several white quartz veins up to 0.5cm thick dipping steeply to core.Epidote appears along fractures and replaces some feldspar phenocrysts.Some pyrite disseminated throughout the rock and along fractures.
6.10	7.60	1.50	No core.
7.60	9.15	1.55	Feldspar porphyritic andesite (?). Rock shows feldspar phenocrysts up

			to 1mm long in a greenish grey aphanitic matrix with a few veins of pyrite and epidote.
9.15	13.70	4.55	Feldspar porphyritic dacite.Rock consists of feldspar phenocrysts up to 1mm long in a silicious grey matrix.Also some tiny black mafic phenocrysts.Appears brecciated in places.Pyrite disseminated throughout the rock.Veins of pyrite and quartz dipping steeply to core.
13.70	14.50	0.80	Aphanitic to feldspar porphyritic dark grey volcanic (?). Pyrite along fractures plus also some pyrite disseminated throughout the rock.
14.50	20.55	6.05	Andesitic porphyritic dyke.Rock shows grey feldspar phenocrysts and black mafic phenocrysts in a dark grey to dark greenish grey aphanitic matrix.Feldspar phenocrysts up to 3mm's in length.Mafic phenocrysts up to 1mm in length.Some of the mafics are magnetic, indicating they are most likely magnetite. The rest are probably hornblende. The feldspars are more common than the mafics. Yellow-green epidote veins , calcite veins and quartz veins dip steeply in core. Feldspar phenocrysts are commonly bleached white near the veins. Feldspar phenocrysts are altered to epidote in places. Pyrite occurs as thin veins. There is also some disseminated pyrite.
20.55	28.00	7.45	At 20.55 metres starts grading into a more aphanitic to hornblende porphyritic dark greenish grey dyke rock. Feldspar phenocrysts become less evident. Most hornblende phenocrysts up to 0.5mm in length. Some up to 2mm's in length. Most feldspar phenocrysts up to 1mm long. Some are up to 2mm's long. Some of the larger hornblende phenocrysts are partially enclosed in epidote rims. Pyrite disseminated throughout the

			rock and along fractures.
28.00	32.00	4.00	Aphanitic dyke rock or volcanic. Medium greenish grey colour. Some disseminated pyrite.

DIAMOND DRILL GEOLOGICAL LOG

Property: Nitinat-Cowichan Lake Claim: Archer I
N.T.S.: 92C/16

Logged By: Peter S. Fischl, B.Sc. Date Logged:April 27,1987

Hole: DDH-87-4 Core: EX (22.2mm) Elevation: 716m (2,350ft)

Dip(Inclination): 45 Bearing (Azimuth): 045
Total Length: 9.15m

Note: Hole discontinued due to poor core recovery associated with severe fracturing and grinding up of drill core.

From m	To m	Length m	Rock Description
0.0	9.15	9.15	Silicious porphyritic andesite/dacite. This rock consists of black hornblende phenocrysts and milky white feldspar phenocrysts in a silicious medium to light grey aphanitic matrix. Hornblende phenocrysts up to 3mm's long. Most around 1 to 2 mm's long. Feldspar phenocrysts up to 4 mm's long. Most are less than 1mm long. Feldspar phenocrysts more common than hornblende phenocrysts. Yellow-green epidote replaces some of the smaller feldspar phenocrysts. Pyrite disseminated throughout the rock. This disseminated pyrite gets "clumpy" in places, forming blebs up to 1mm in diameter. These pyrite blebs are commonly associated with hornblende phenocrysts.

DIAMOND DRILL GEOLOGICAL LOG

Property: Nitinat-Cowichan Lake Claim: Archer I
N.T.S.: 92C/16

Logged By: Peter S. Fischl, B.Sc. Date Logged:April 27,1987

Hole: DDH-87-5 Core: EX (22.2mm) Elevation: 716m (2,350ft)

Dip(Inclination): 45 Bearing (Azimuth): 045
Total Length: 12.2m

Note: Hole discontinued due to poor core recovery associated with severe fracturing and grinding up of drill core.

From m	To m	Length m	Rock Description
0.0	12.2	12.2	Silicious porphyritic andesite/dacite. Rock contains black hornblende phenocrysts and milky white feldspar phenocrysts floating in a silicious medium to light grey aphanitic matrix. Hornblende phenocrysts are up to 2mm's long and occur sporadically. Feldspar phenocrysts less than 1mm long. They are more common than the hornblende phenocrysts. Pyrite occurs throughout the rock as fine disseminations and as blebs up to several mm's in diameter. Seems to be some association between this pyrite and hornblende phenocrysts. Some pyrite also along fractures.

APPENDIX 2

ASSAY CERTIFICATES OF DRILL CORE & CUTTINGS

BECQUEREL LABORATORIES INC.

NEUTRON ACTIVATION ANALYSIS 05-12-1987
11:30:07

BATCH # NUSPAR

SAMPLES 811 - 829 PLATINUM GROUP ELEMENT ANALYSIS

ALL RESULTS IN PPB.
MINUS SIGNS INDICATE 'LESS-THAN' VALUES.
RESULT OF '0' INDICATES ELEMENT NOT DETERMINED.

811 1-1

AU= 768	IR=-.2	OS=-2	PD=-5
PT=-30	RH=-1	RU=-10	Re -1

---

812 1-2

AU= 113	IR=-.2	OS=-2	PD=-5
PT=-15	RH=-1	RU=-5	Re -1

---

813 1-3

AU= 1824	IR=-.2	OS=-2	PD=-5
PT=-90	RH=-1	RU=-10	Re -1

---

814 1-4

AU= 10	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

815 1-5

AU= 18	IR=-.2	OS=-2	PD=-5
PT= 14	RH=-1	RU=-5	Re -1

---

816 1-6

AU= 5	IR=-.2	OS=-2	PD=-5

817 1-7

AU= 10	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

818 1-8

AU= 6	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

819 1-9

AU= 4	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

820 2-10

AU= 11	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

821 2-11

AU= 17	IR= 1	OS=-2	PD= 30
PT= 88	RH= 5	RU= 17	Re -1

---

822 3-12

AU= 6	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

823 3-13

AU= 6	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

---

824 3-14

AU= 9	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re -1

825 3-15

AU= 5	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re = 7. ppb

---

826 3-16

AU= 11	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re = 5.

---

827 4-17

AU= 4	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re = 5.

---

828 5-18

AU= 6	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re = 4.

---

829 5-19

AU= 6	IR=-.2	OS=-2	PD=-5
PT=-5	RH=-1	RU=-5	Re = 6.

BECQUEREL LABORATORIES INC.

NEUTRON ACTIVATION ANALYSIS REPORT 04-30-87 13:16:08

NUSPAR RESOURCES LTD
BATCH # 667-0033 1-19

ELEMENT	# /-1 (8.717 G)	# /-2 (9.302 G)	# /-3 (9.076 G)	# /-4 (6.552 G)	# /-5 (8.868 G)	# /-6 (8.327 G)
ANTIMONY	.330	.280	1.000	.300	.160	.140
ARSENIC	9.100	5.600	22.000	15.000	8.300	7.800
BARIUM	350.0	310.0	330.0	360.0	210.0	310.0
BROMINE	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CADMIUM	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
CERIUM	24.00	23.00	21.00	31.00	37.00	23.00
CESIUM	.94	.74	.83	.89	.81	-.50
CHROMIUM	84.0	79.0	57.0	130.0	81.0	87.0
COBALT	24.00	23.00	21.00	21.00	25.00	22.00
EUROPIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
GOLD, PPB	759.00	170.00	1740.00	11.00	31.00	10.00
HAFNIUM	1.70	1.70	2.20	2.10	1.60	1.90
IRIDIUM, PPB	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
IRON, %	4.800	5.800	6.500	5.500	5.700	6.200
LANTHANUM	10.00	11.00	11.00	13.00	17.00	12.00
LUTETIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
MOLYBDENUM	-1.00	1.10	2.40	-1.00	-1.00	-1.00
NICKEL	-10.00	-10.00	22.00	-10.00	-10.00	15.00
RUBIDIUM	19.00	14.00	15.00	17.00	17.00	25.00
SAMARIUM	2.900	3.100	3.000	3.400	4.000	3.000
SCANDIUM	18.00	21.50	22.50	21.70	24.40	23.30
SELENIUM	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
SILVER	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
SODIUM, %	2.360	3.000	2.960	3.020	3.880	3.310
TANTALUM	-.500	-.500	-.500	-.500	-.500	-.500
TELLURIUM	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
TERBIUM	.62	-.50	.69	-.50	.57	-.50
THORIUM	2.10	2.20	1.80	1.90	2.00	1.90
TIN	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
TUNGSTEN	-1.000	-1.000	1.100	2.200	1.100	-1.000
URANIUM	.830	.640	.620	.880	.810	.880
YTTERBIUM	-2.00	2.10	-2.00	2.20	-2.00	2.20
ZINC	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
ZIRCONIUM	-200.0	-200.0	-200.0	-200.0	-200.0	-200.0

NOTE : - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (PPM) UNLESS OTHERWISE INDICATED.

BATCH # 667-0033 1-19

ELEMENT	# /-7 (7.401 G)	# /-8 (7.929 G)	# /-9 (8.561 G)	#2-10 (7.760 G)	#2-11 (9.387 G)	#3-12 (7.667 G)

ANTIMONY	.180	.430	.400	.360	.250	.380
ARSENIC	4.700	3.300	3.100	4.300	3.600	8.200
BARIUM	250.0	1200.0	1300.0	250.0	270.0	340.0
BROMINE	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CADMIUM	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
CERIUM	22.00	31.00	38.00	18.00	23.00	37.00
CESIUM	-.50	-.50	-.50	-.50	-.50	-.50
CHROMIUM	100.0	160.0	150.0	130.0	58.0	99.0
COBALT	28.00	16.00	15.00	47.00	29.00	27.00
EUROPIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
GOLD, PPB	10.00	-2.00	-2.00	9.20	10.00	-2.00
HAFNIUM	2.00	4.00	3.60	1.70	1.60	2.10
IRIDIUM, PPB	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
IRON, %	6.800	5.100	4.600	8.800	7.500	5.000
LANTHANUM	12.00	16.00	15.00	7.30	11.00	15.00
LUTETIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
MOLYBDENUM	-1.00	-1.00	-1.00	2.40	-1.00	-1.00
NICKEL	-10.00	-10.00	10.00	14.00	-10.00	-10.00
RUBIDIUM	19.00	23.00	19.00	11.00	14.00	26.00
SAMARIUM	3.100	4.100	4.000	2.700	3.700	3.600
SCANDIUM	22.80	19.00	18.00	23.50	31.00	24.50
SELENIUM	-5.00	-5.00	-5.00	5.30	-5.00	-5.00
SILVER	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
SODIUM, %	3.490	2.520	2.410	3.100	3.550	3.550
TANTALUM	-.500	.580	.540	-.500	-.500	-.500
TELLURIUM	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
TERBIUM	.78	.83	.69	.55	.83	.62
THORIUM	1.90	3.70	3.50	.88	.85	2.00
TIN	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
TUNGSTEN	1.300	1.400	-1.000	-1.000	-1.000	-1.000
URANIUM	.730	1.400	1.400	.280	.370	.680
YTTERBIUM	-2.00	2.20	3.00	-2.00	2.60	-2.00
ZINC	-100.0	-100.0	-100.0	-100.0	130.0	-100.0
ZIRCONIUM	-200.0	-200.0	-200.0	-200.0	280.0	-200.0

NOTE : - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (PPM) UNLESS OTHERWISE INDICATED.

BATCH # 667-0033 1-19

ELEMENT	# 13 (9.749 G)	# 14 (8.012 G)	# 15 (9.614 G)	# 16 (8.040 G)	# 17 (8.356 G)	# 18 (8.524 G)
LANTHANUM	15.00	13.00	12.00	22.00	11.00	
ANTIMONY	.290	.260	.370	.270	.270	.130
ARSENIC	7.900	8.700	8.600	6.500	5.700	4.200
BARIUM	460.0	180.0	240.0	220.0	450.0	360.0
BROMINE	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CADMIUM	-5.00	-5.00	5.00	-5.00	-5.00	-5.00
CERIUM	38.00	26.00	28.00	26.00	51.00	25.00
CESIUM	-.50	.76	.69	-.50	.62	.65
CHROMIUM	85.0	150.0	140.0	140.0	100.0	190.0
COBALT	24.00	21.00	24.00	15.00	15.00	24.00
EUROPIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
GOLD, PPB	3.60	10.00	8.20	-2.00	5.60	-2.00
HAFNIUM	2.10	2.50	3.10	2.50	4.00	1.70
IRIDIUM, PPB	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
IRON, %	5.700	7.700	6.200	5.100	4.900	8.000

MOLYBDENUM	2.80	1.60	1.90	-1.00	1.30	1.40
NICKEL	-10.00	-10.00	21.00	-10.00	-10.00	16.00
RUBIDIUM	19.00	34.00	17.00	18.00	15.00	18.00
SAMARIUM	3.700	3.200	3.700	3.300	4.700	3.300
SCANDIUM	23.60	20.60	26.10	22.60	18.00	23.30
SELENIUM	-5.00	-5.00	-5.00	-5.00	-5.00	7.40
SILVER	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
SODIUM, %	2.890	1.800	2.670	2.850	3.270	2.550
TANTALUM	-.500	-.500	-.500	-.500	-.500	-.500
TELLURIUM	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
TERBIUM	.54	-.50	.58	.66	.80	.92
THORIUM	2.50	2.10	2.70	2.10	4.60	1.80
TIN	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00
TUNGSTEN	-1.000	1.500	-1.000	-1.000	-1.000	-1.000
URANIUM	1.100	.800	.770	.710	1.500	.800
YTTERBIUM	-2.00	-2.00	-2.00	2.10	2.40	-2.00
ZINC	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
ZIRCONIUM	-200.0	-200.0	-200.0	-200.0	-200.0	-200.0
LUTETIUM	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

NOTE : - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (PPM) UNLESS OTHERWISE INDICATED.

BATCH # 667-0033 1-19

ELEMENT	#5-19 (9.108 G)
ANTIMONY	.150
ARSENIC	5.900
BARIUM	290.0
BROMINE	-2.00
CADMIUM	-5.00
CERIUM	27.00
CESIUM	.51
CHROMIUM	110.0
COBALT	26.00
EUROPIUM	-1.00
GOLD, PPB	2.50
HAFNIUM	1.60
IRIDIUM, PPB	-50.0
IRON, %	6.200
LANTHANUM	7.90
LUTETIUM	-1.00
MOLYBDENUM	2.50
NICKEL	-10.00
RUBIDIUM	13.00
SAMARIUM	2.800
SCANDIUM	22.80
SELENIUM	-5.00
SILVER	-2.00
SODIUM, %	2.530
TANTALUM	-.500
TELLURIUM	-10.00
TERBIUM	.69
THORIUM	1.90
TIN	-100.00
TUNGSTEN	-1.000
URANIUM	.640
YTTERBIUM	-2.00

ZINC	-100.0
ZIRCONIUM	-200.0

NOTE : - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (PPM) UNLESS OTHERWISE INDICATED.

NUSPAR RESOURCES LTD.

REFERENCE :

NEUTRON ACTIVATION ANALYSIS REPORT

19 DRILL CORE SAMPLES

27-APR-87

BECQUEREL LABS INC.

6620 KITIMAT ROAD, UNIT 4
MISSISSAUGA, ONTARIO,
CANADA. L5N 2B8.

Phone : (416) 826-3080

Telex : 06-218215

001

NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-1 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	460.	19.3
INDIUM	< 0.200		TITANIUM (%)	0.476	9.1
NIOBIUM	< 2.600E+03		VANADIUM	199.	5.4

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

BECQUEREL LABS INC.

002

6620 KITIMAT ROAD, UNIT 4
MISSISSAUGA, ONTARIO,
CANADA. L5N 2B8.

Phone : (416) 826-3080

Telex : 06-218215

NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-2 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	300.	27.7
INDIUM	< 0.200		TITANIUM (%)	0.451	9.1
NIOBIUM	< 2.500E+03		VANADIUM	180.	5.5

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

BECQUEREL LABS INC.

003

6620 KITIMAT ROAD, UNIT 4
MISSISSAUGA, ONTARIO,
CANADA. L5N 2B8.

Phone : (416) 826-3080

Telex : 06-218215

NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-3 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	640.	13.5
INDIUM	< 0.200		TITANIUM (%)	0.350	11.4
NIOBIUM	< 3.000E+03		VANADIUM	201.	5.2

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

BECQUEREL LABS INC.

6620 KITIMAT ROAD, UNIT 4
MISSISSAUGA, ONTARIO,
CANADA. L5N 2B8.

Phone : (416) 826-3080

Telex : 06-218215

NEUTRON ACTIVATION ANALYSIS REPORT — 27-APR-87

FOR : NUSPAR RESOURCES LTD.

SAMPLE : 1-4 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	< 190.	
INDIUM	< 0.200		TITANIUM (%)	0.447	9.2
NIOBIUM	< 2.600E+03		VANADIUM	195.	5.2

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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Telex : 06-218215

NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-5 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	320.	26.6
INDIUM	< 0.200		TITANIUM (%)	0.393	9.8
NIOBIUM	< 2.500E+03		VANADIUM	216.	4.8

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-6 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	500.	17.7
INDIUM	< 0.200		TITANIUM (%)	0.395	9.8
NIOBIUM	< 2.500E+03		VANADIUM	203.	4.9

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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007

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-7 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	350.	26.1
INDIUM	< 0.200		TITANIUM (%)	0.351	7.7
NIOBIUM	< 1.700E+03		VANADIUM	192.	3.9

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
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- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-8 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	< 220.	
INDIUM	< 0.200		TITANIUM (%)	0.332	8.9
NIOBIUM	< 1.900E+03		VANADIUM	162.	4.3

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 1-9 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	550.	19.1
INDIUM	< 0.200		TITANIUM (%)	0.328	9.0
NIOBIUM	< 1.900E+03		VANADIUM	156.	4.3

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 2-10 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	380.	25.5
INDIUM	< 0.200		TITANIUM (%)	0.455	6.5
NIOBIUM	< 1.800E+03		VANADIUM	258.	3.6

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 2-11 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	280.	39.3
INDIUM	< 0.200		TITANIUM (%)	0.544	6.3
NIOBIUM	< 2.100E+03		VANADIUM	334.	3.5

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 3-12 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	< 180.	
INDIUM	< 0.200		TITANIUM (%)	0.402	6.6
NIOBIUM	< 1.700E+03		VANADIUM	210.	3.7

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 3-13 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	< 190.	
INDIUM	< 0.200		TITANIUM (%)	0.415	6.8
NIOBIUM	< 1.700E+03		VANADIUM	221.	3.7

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 3-14 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	< 200.	
INDIUM	< 0.200		TITANIUM (%)	0.393	7.4
NIOBIUM	< 1.700E+03		VANADIUM	206.	3.9

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 3-15 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	370.	26.3
INDIUM	< 0.200		TITANIUM (%)	0.452	6.9
NIOBIUM	< 1.900E+03		VANADIUM	220.	3.9

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 3-16 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	370.	24.7
INDIUM	< 0.200		TITANIUM (%)	0.406	7.3
NIOBIUM	< 1.800E+03		VANADIUM	204.	4.0

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 4-17 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	340.	25.2
INDIUM	< 0.200		TITANIUM (%)	0.386	7.3
NIOBIUM	< 1.800E+03		VANADIUM	157.	4.3

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87
FOR : NUSPAR RESOURCES LTD.
SAMPLE : 5-18 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	210.	33.6
INDIUM	< 0.200		TITANIUM (%)	0.357	6.9
NIOBIUM	< 1.500E+03		VANADIUM	208.	3.7

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
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NEUTRON ACTIVATION ANALYSIS REPORT 27-APR-87

FOR : NUSPAR RESOURCES LTD.

SAMPLE : 5-19 MOISTURE CONTENT = 0.0 %

ELEMENT	CONTENT	RSD,%	ELEMENT	CONTENT	RSD,%
GALLIUM	< 20.0		RHENIUM	< 1.00	
GERMANIUM	< 200.		STRONTIUM	290.	25.5
INDIUM	< 0.200		TITANIUM (%)	0.437	6.2
NIOBIUM	< 1.600E+03		VANADIUM	230.	3.7

NOTES :
- RESULTS IN MICROGRAMS PER GRAM DRY WEIGHT (EXCEPT AS NOTED).
- RSD = RELATIVE STANDARD DEVIATION (1 SIGMA), IN PER CENT.
- EXTRA SIGNIFICANT FIGURES ARE QUOTED. ROUND RESULTS IN ACCORDANCE WITH OUR ESTIMATE OF THE INDIVIDUAL RSD.
- N.D. = "NOT DETERMINED" IN THIS SAMPLE.

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

CERTIFICATE OF ANALYSIS A8710682

To : NUSPAR RESOURCES LTD.

205 - 493 BURNSIDE RD. E.
VICTORIA, BC
V8T 2X3

Project :
Comments: ATTN: L. E. SAWYER

*Page No. : 1-A
Tot. Pages: 1
Date : 23-MAR-87
Invoice # : I-8710682
P.O. # : NONE

SAMPLE DESCRIPTION	PREP CODE		Al % (ICP)	Sb ppm	AS ppm	Ba ppm (ICP)	Be ppm	Bi ppm	B ppm	Br NAA ppm	Cd ppm	Ca % (ICP)	C %	Ce NAA ppm	Cs NAA ppm	Cr ppm (ICP)	Co ppm (ICP)	Cu ppm (ICP)	Dy NAA ppm	Eu NAA ppm	F ppm
CMI-1 1-1	214	—	8.98	0.5	6	360	0.8	0.1	20	< 0.5	0.1	2.44	0.18	20	< 1.0	99	23	44	3	0.7	400
CMI-5 1-5	214	—	9.07	0.6	4	310	0.7	0.2	8	< 0.5	0.1	2.30	0.15	21	< 1.0	79	20	25	3	0.8	390
CMI-8 1-8	205	—	9.38	0.2	4	320	0.8	0.2	10	< 0.5	0.1	2.16	0.17	21	< 1.0	84	21	25	2	0.8	340
CMI-13 1-13	205	—	9.06	0.1	2	260	0.7	0.1	15	< 0.5	0.1	2.32	0.30	20	< 1.0	88	20	13	3	0.6	390
CMI-14 1-14	205	—	9.17	0.1	1	1230	0.7	0.1	20	< 0.5	0.1	4.41	0.15	29	< 1.0	94	15	99	3	0.9	300
CMGS 9	205	—	1.21	0.2	55	70	0.1	0.2	9	< 0.5	0.1	0.22	0.03	12	< 1.0	70	4	265	< 1	0.2	90

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CERTIFICATION : Hart Buchler

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*Page No. : 1-B
Tot. Pages: 1
Date : 23-MAR-87
Invoice # : I-8710682
P.O. # : NONE

SAMPLE DESCRIPTION	PREP CODE	Ga ppm	Ge ppm	Au NAA ppb	Hf NAA ppm	Fe % (ICP)	La NAA ppm	Pb ppm (ICP)	Li ppm	Lu NAA ppm	Mg % (ICP)	Mn ppm (ICP)
CMI-1 1-1	214 —	11	10	2010	1.6	7.69	10	25	4	< 1.0	2.72	750
CMI-5 1-5	214 —	11	10	2140	1.7	7.24	10	10	4	< 1.0	2.84	610
CMI-8 1-8	205 —	12	10	14	1.6	6.72	11	15	5	< 1.0	3.12	845
CMI-13 1-13	205 —	11	10	13	1.6	6.39	9	10	5	< 1.0	2.94	490
CMI-14 1-14	205 —	10	10	6	2.5	4.85	13	5	5	< 1.0	1.78	1060
CMGS 9	205 —	6	10	10	< 0.5	63.1	9	5	2	< 1.0	0.81	650

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CERTIFICATION : Hans Bichler

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CERTIFICATE OF ANALYSIS A8710683

To : NUSPAR RESOURCES LTD.

205 - 493 BURNSIDE RD. E.
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V8T 2X3

Project :
Comments: ATTN: L. E. SAWYER

*Page No. : 1-A
Tot. Pages: 1
Date : 23-FEB-87
Invoice # : I-8710683
P.O. # : NONE

SAMPLE DESCRIPTION	PREP CODE		Hg ppb	Mo ppm (ICP)	Nd NAA ppm	Ni ppm (ICP)	Nb (XRF) ppm	P ppm (ICP)	K % (ICP)	Rb ppm	Sm NAA ppm	Sc NAA ppm	Se ppm	SiO2 % fusion	Ag ppm AAS	Na % (ICP)	Sr ppm (ICP)	S % (Leco)	Ta NAA ppm	Te ppm	Tb NAA ppm
CMI-1 1-1	214	—	610	10	5	37	< 20	820	0.92	15	2.1	20.0	0.2	56.10	11.5	3.59	440	3.95	< 1	0.55	< 1
CMI-5 1-5	214	—	120	3	6	26	< 20	750	0.95	15	2.2	19.6	0.2	55.80	1.0	4.03	420	4.10	< 1	0.25	< 1
CMI-8 1-8	214	—	100	2	12	13	< 20	750	0.92	14	2.4	21.3	0.2	56.00	< 0.5	4.18	315	4.01	< 1	0.15	< 1
CMI-13 1-13	214	—	100	2	10	11	< 20	720	0.94	14	2.1	18.9	0.2	56.30	< 0.5	4.17	315	4.39	< 1	0.20	< 1
CMI-14 1-14	214	—	120	3	12	5	< 20	550	1.34	16	3.0	16.3	0.2	60.20	< 0.5	3.00	375	0.631	< 1	< 0.05	< 1
CMGS 9	214	—	50	< 1	< 5	6	< 20	300	0.04	1	0.8	4.9	0.2	14.10	< 0.5	0.05	20	5.55	< 1	0.10	< 1

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CERTIFICATION : Don Onuma

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Date : 23-FEB-87
Invoice # : I-8710683
P.O. # : NONE

Project :
Comments: ATTN: L. E. SAWYER

SAMPLE DESCRIPTION	PREP CODE	Tl ppm	Th NAA ppm	Sn ppm	Ti % (ICP)	W ppm	U fluor ppm	V ppm (ICP)	Yb NAA ppm	Y (XRF) ppm	Zn ppm (ICP)	Zr (XRF) ppm
CM1-1 1-1	214 —	0.1	1.9	1	0.449	1	0.6	167	1.8	22	32	65
CM1-5 1-5	214 —	0.1	2.0	1	0.449	1	0.2	164	1.6	20	18	70
CM1-8 1-8	214 —	0.1	2.1	1	0.483	1	0.6	177	1.7	23	59	93
CM1-13 1-13	214 —	0.1	1.9	1	0.442	1	1.0	152	1.6	20	24	67
CM1-14 1-14	214 —	0.1	3.3	1	0.408	1	0.8	126	2.4	25	40	115
CMGS 9	214 —	0.1	< 0.5	1	0.088	1	< 0.1	4	0.2	< 20	30	35

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CERTIFICATION : Ian Buchler

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5G 4M1 Tel:(604)438-5226

ANALYSIS OF GEOLOGICAL SAMPLES

To: Nuspar Resources Ltd
205 - 493 Burnside Road East
Victoria, B.C.
V8T 2X3

Workorder: 6943
Received : 07-May-87
Completed: 20-May-87

Attn: Mr. L.E. Sawyer

Re: Chemical Analysis of Rock Samples

Sample type	Sand	Sand	Sand	Sand	Sand
Identification	A1	A2	A3	B1	B2
Lab Reference #	6943-001	6943-002	6943-003	6943-004	6943-005
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals by Fire Assay					
Gold Au	0.04	0.01	0.30	0.38	0.05
Palladium Pd	0.01	0.01	0.01	0.01	0.01
Platinum Pt	0.02	< 0.02	0.03	0.02	0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	55.8	51.9	52.7	56.5	53.2
Aluminum %Al2O3	15.7	17.0	13.7	13.9	14.7
Iron %Fe2O3	10.6	13.3	13.5	9.91	12.6
Calcium % CaO	4.98	4.62	5.17	5.35	4.83
Magnesium % MgO	3.41	3.78	3.44	4.10	4.13
Sodium % Na2O	4.05	5.01	2.46	2.35	3.17
Potassium % K2O	0.95	1.01	1.76	1.95	1.31
Barium % BaO	0.026	0.029	0.029	0.024	0.027
Manganese % MnO	0.11	0.11	0.11	0.12	0.14
Phosphorus% P2O5	0.17	0.17	0.14	0.20	0.14
Strontium % SrO	0.027	0.033	0.027	0.024	0.026
Titanium % TiO2	0.94	1.10	0.77	0.70	0.80
Zirconium % ZrO2	< 0.001	0.005	0.009	0.007	0.01
Loss on Ignition	3.72	1.97	6.74	5.29	4.94
Total Oxides %	100.5	100.3	101.4	100.3	99.9
Total Carbon %C	0.63	0.55	0.41	0.55	0.33
Total Sulfur %S	6.68	7.34	7.31	3.81	3.44

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To: Nusoar Resources Ltd W/O: 6943

Samole tyoe		Sand	Sand	Sand	Sand	Sand
Identification		A1	A2	A3	B1	B2
Lab Reference #		6943-001	6943-002	6943-003	6943-004	6943-005
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.2	0.2	0.2	0.8	0.4
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	< 1.	3.	10.	8.	6.
Beryllium	Be	0.2	0.2	0.2	0.2	0.2
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	0.5	0.2	< 0.1	0.2	0.1
Cobalt	Co	38.	41.	30.	20.	21.
Chromium	Cr	77.	83.	106.	102.	140.
Copper	Cu	156	171	57	87	147
Mercury	Hg	5.0	6.7	2.2	3.5	3.9
Molybdenum	Mo	< 3	< 3	5	4	13
Nickel	Ni	61	58	31	42	75
Lead	Pb	9	8	7	10	9
Antimony	Sb	< 0.2	< 0.2	< 0.2	< 0.2	0.7
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	0.7	0.6	1.2	1.2	1.5
Uranium	U	0.2	< 0.1	0.2	0.3	0.3
Vanadium	V	276	259	187	171	187
Zinc	Zn	138	117	69	157	247
Rare Earth Elements						
Cerium	Ce	23.4	26.0	35.3	33.2	42.3
Dysprosium	Dy	2.2	2.8	2.9	2.2	3.1
Erbium	Er	1.3	1.7	1.8	1.6	1.9
Europium	Eu	0.9	1.1	1.1	1.1	1.1
Gadolinium	Gd	1.7	1.9	1.8	1.9	2.2
Holmium	Ho	0.5	0.7	0.7	0.6	0.8
Lanthanum	La	11.3	12.2	17.5	16.0	20.6
Lutetium	Lu	0.3	0.4	0.4	0.4	0.4
Neodymium	Nd	14.8	17.9	21.0	19.9	24.2
Praseodymium	Pr	1.7	2.1	2.4	2.4	3.2
Samarium	Sm	2.9	3.3	3.5	4.0	4.4
Terbium	Tb	0.3	0.3	0.4	0.4	0.4
Thullium	Tm	0.2	0.3	0.3	0.3	0.3
Yttrium	Y	22.8	22.7	22.0	17.6	21.5
Ytterbium	Yb	2.1	2.7	2.7	2.6	317.
Misc. Trace Elements						
Gallium	Ga	10.	9.	7.	7.	8.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	4.3	4.2	5.8	12.6	7.4
Tin	Sn	2.0	2.7	8.7	3.4	7.4
Tantalum	Ta	0.6	0.8	0.9	0.9	1.1
Tellurium	Te	0.1	0.1	0.2	0.2	0.1
Tungsten	W	758.	1230.	281.	578.	723.
Results in		ppm	ppm	ppm	ppm	ppm

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To: Nuspar Resources Ltd W/O: 6943

Sample type	Sand	Sand	Sand	Sand	Sand
Identification	B3	B4	C1	D1	D2
Lab Reference #	6943-006	6943-007	6943-008	6943-009	6943-010
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals					
Gold Au	0.44	0.49	0.34	0.32	0.03
Palladium Pd	0.01	0.01	0.01	0.01	0.01
Platinum Pt	0.02	0.02	0.02	0.02	0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	53.4	52.4	55.6	54.5	54.9
Aluminum %Al2O3	16.0	16.0	15.7	15.6	16.4
Iron %Fe2O3	11.5	13.9	10.9	10.7	11.0
Calcium % CaO	4.47	5.03	1.56	2.66	2.86
Magnesium % MgO	3.73	3.65	2.79	3.59	3.19
Sodium % Na2O	3.23	3.48	4.90	2.96	2.86
Potassium % K2O	1.30	1.29	0.94	1.10	1.64
Barium % BaO	0.025	0.022	0.034	0.030	0.048
Manganese % MnO	0.12	0.12	0.033	0.039	0.046
Phosphorus% P2O5	0.14	0.17	0.12	0.17	0.12
Strontium % SrO	0.035	0.033	0.031	0.030	0.029
Titanium % TiO2	0.72	0.71	0.68	0.65	0.67
Zirconium % ZrO2	0.008	0.008	0.009	0.006	0.007
Loss on Ignition	5.14	3.68	6.59	7.65	6.93
Total Oxides %	99.6	99.4	99.7	99.9	100.7
Total Carbon %C	0.32	0.45	0.09	0.08	0.11
Total Sulfur %S	3.52	3.07	7.05	6.29	6.79

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To: Nusdar Resources Ltd W/O: 6943 Page 4

Sample type		Sand	Sand	Sand	Sand	Sand
Identification		B3	B4	C1	D1	D2
Lab Reference #		6943-006	6943-007	6943-008	6943-009	6943-010
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.2	0.6	0.6	0.4	0.4
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	4.	6.	1.	5.	3.
Beryllium	Be	0.3	0.2	0.3	0.3	0.3
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cobalt	Co	21.	24.	27.	22.	29.
Chromium	Cr	113.	159.	125.	85.	151
Copper	Cu	144	127	63	55	111
Mercury	Hg	3.6	4.0	3.6	1.6	4.7
Molybdenum	Mo	7	11	4	4	4
Nickel	Ni	62	68	37	38	59
Lead	Pb	15	15	5	5	11
Antimony	Sb	0.4	0.5	0.1	0.1	0.2
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	1.3	1.2	1.0	0.8	0.9
Uranium	U	0.2	0.3	0.2	0.1	0.1
Vanadium	V	177	170	165	192	178
Zinc	Zn	263	145	39	34	84
Rare Earth Elements						
Cerium	Ce	34.4	35.2	32.1	28.4	27.3
Dysprosium	Dy	2.7	2.5	2.0	2.4	2.5
Erbium	Er	1.5	1.4	1.2	1.5	1.5
Europium	Eu	1.1	1.0	1.0	1.0	0.9
Gadolinium	Gd	1.9	1.8	1.8	1.7	1.7
Holmium	Ho	0.6	0.6	0.5	0.6	0.6
Lanthanum	La	16.9	17.3	16.8	14.6	13.5
Lutetium	Lu	0.4	0.3	0.4	0.4	0.4
Neodymium	Nd	20.3	20.0	16.9	16.5	15.8
Praseodymium	Pr	2.4	2.5	2.2	2.1	2.0
Samarium	Sm	3.6	3.5	2.8	2.8	3.2
Terbium	Tb	0.3	0.3	0.3	0.3	0.3
Thullium	Tm	0.3	0.2	0.2	0.2	0.3
Yttrium	Y	19.7	17.6	17.5	18.7	19.3
Ytterbium	Yb	2.5	2.2	2.6	2.3	2.2
Misc. Trace Elements						
Gallium	Ga	8.	9.	8.	10.	9.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	4.1	3.9	5.6	4.0	4.5
Tin	Sn	3.6	3.2	2.2	2.1	2.0
Tantalum	Ta	1.0	0.9	1.3	1.0	0.7
Tellurium	Te	0.1	0.1	0.1	0.1	0.1
Tungsten	W	711.	698.	533.	265.	784.
Results in		ppm	ppm	ppm	ppm	ppm

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To: Nusoar Resources Ltd W/O: 6943

Sample type	Sand	Sand	DD Core	DD Core	DD Core
Identification	D3	D4	E1	E2	E3
Lab Reference #	6943-011	6943-012	6943-013	6943-014	6943-015
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals					
Gold Au	0.01	0.01	< 0.01	0.01	0.01
Palladium Pd	< 0.01	< 0.01	0.01	< 0.01	< 0.01
Platinum Pt	< 0.02	< 0.02	0.02	< 0.02	< 0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	54.6	53.1	58.4	56.0	50.9
Aluminum %Al2O3	17.2	16.4	15.7	15.6	14.7
Iron %Fe2O3	10.1	11.7	8.78	8.87	14.9
Calcium % CaO	3.22	3.58	2.70	2.57	2.01
Magnesium % MgO	3.16	3.02	3.84	4.43	3.58
Sodium % Na2O	3.29	3.11	4.21	4.24	3.84
Potassium % K2O	1.28	1.28	0.96	0.81	0.63
Barium % BaO	0.039	0.039	0.020	0.018	0.016
Manganese % MnO	0.044	0.049	0.069	0.090	0.051
Phosphorus% P2O5	0.12	0.12	0.19	0.17	0.17
Strontium % SrO	0.033	0.030	0.038	0.036	0.031
Titanium % TiO2	0.70	0.67	0.67	0.65	0.57
Zirconium % ZrO2	0.007	0.006	0.007	0.010	0.006
Loss on Ignition	6.24	6.66	5.02	5.32	8.36
Total Oxides %	100.1	99.8	100.6	98.8	99.6
Total Carbon %C	0.21	0.23	0.19	0.22	0.16
Total Sulfur %S	6.10	7.13	5.00	4.72	10.9

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To: Nuspar Resources Ltd W/O: 6943 Page 6

Sample type		Sand	Sand	DD Core	DD Core	DD Core
Identification		D3	D4	E1	E2	E3
Lab Reference #		6943-011	6943-012	6943-013	6943-014	6943-015
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.8	0.6	0.6	0.4	0.6
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	9.	1.	2.	1.	6.
Beryllium	Be	0.4	0.2	0.2	0.1	0.2
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	0.2	0.4	< 0.1	< 0.1	< 0.1
Cobalt	Co	26.	32.	22.	18.	19.
Chromium	Cr	105.	107.	77.	96.	144
Copper	Cu	96	120	19	11	10
Mercury	Hg	4.1	6.6	0.2	0.2	0.2
Molybdenum	Mo	4	5	4	3	< 3
Nickel	Ni	53	59	17	18	11
Lead	Pb	10	9	11	6	7
Antimony	Sb	0.1	0.1	0.1	0.1	0.1
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	0.9	0.7	0.7	0.8	0.7
Uranium	U	0.1	0.1	0.1	0.1	0.1
Vanadium	V	152	131	124	134	119
Zinc	Zn	74	88	17	24	14
Rare Earth Elements						
Cerium	Ce	28.5	25.8	31.7	53.6	25.6
Dysprosium	Dy	2.4	2.2	2.3	2.7	2.1
Erbium	Er	1.4	1.3	1.4	1.5	1.3
Europium	Eu	0.9	0.9	1.1	1.3	0.7
Gadolinium	Gd	1.7	1.8	1.7	2.3	1.4
Holmium	Ho	0.6	0.5	0.6	0.7	0.5
Lanthanum	La	14.3	12.6	15.9	27.5	13.3
Lutetium	Lu	0.3	0.3	0.4	0.4	0.3
Neodymium	Nd	17.2	15.9	16.8	27.6	14.2
Praseodymium	Pr	2.1	1.9	2.2	3.8	1.9
Samarium	Sm	3.4	2.9	3.3	4.9	2.6
Terbium	Tb	0.3	0.3	0.3	0.4	0.3
Thullium	Tm	0.2	0.2	0.2	0.3	0.2
Yttrium	Y	19.7	17.9	19.9	22.9	17.6
Ytterbium	Yb	2.3	2.1	2.2	2.4	1.9
Misc. Trace Elements						
Gallium	Ga	10.	9.	8.	10.	9.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	4.1	3.7	3.8	4.2	5.8
Tin	Sn	2.7	1.9	1.6	7.6	2.0
Tantalum	Ta	1.1	0.7	0.7	0.7	0.8
Tellurium	Te	0.1	0.1	0.1	0.1	0.1
Tungsten	W	707.	1030.	8.5	12.2	3.1
Results in		ppm	ppm	ppm	ppm	ppm

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To: Nuspar Resources Ltd W/O: 6943

Sample type	DD Core	DD Core	DD Core	DD Core	DD Core
Identification	E4	E5	E6	F1	F2
Lab Reference #	6943-016	6943-017	6943-018	6943-019	6943-020
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals					
Gold Au	0.05	0.11	0.01	0.04	0.02
Palladium Pd	< 0.01	< 0.01	< 0.01	0.16	< 0.01
Platinum Pt	0.02	0.02	< 0.02	< 0.02	< 0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	53.7	59.6	62.4	54.5	54.3
Aluminum %Al2O3	14.0	15.9	15.5	15.8	16.6
Iron %Fe2O3	14.3	7.54	5.99	7.59	8.75
Calcium % CaO	1.96	5.64	5.62	7.69	3.92
Magnesium % MgO	3.15	2.31	2.15	2.98	3.95
Sodium % Na2O	3.59	2.58	2.55	3.57	4.33
Potassium % K2O	0.71	1.88	1.83	1.10	0.93
Barium % BaO	0.015	0.13	0.13	0.037	0.042
Manganese % MnO	0.054	0.16	0.14	0.099	0.11
Phosphorus% P2O5	0.12	0.12	0.12	0.19	0.21
Strontium % SrO	0.020	0.035	0.035	0.028	0.041
Titanium % TiO2	0.56	0.62	0.56	0.82	0.92
Zirconium % ZrO2	0.007	0.016	0.01	0.004	< 0.001
Loss on Ignition	7.95	3.17	2.06	4.42	5.03
Total Oxides %	100.5	99.6	99.1	98.9	99.1
Total Carbon %C	0.14	0.39	0.03	1.04	0.45
Total Sulfur %S	10.4	0.13	0.18	4.30	5.45

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To: Nuspar Resources Ltd W/O: 6943 Page 8

Sample type		DD Core	DD Core	DD Core	DD Core	DD Core
Identification		E4	E5	E6	F1	F2
Lab Reference #		6943-016	6943-017	6943-018	6943-019	6943-020
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.8	0.2	0.2	0.2	0.2
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	1.	5.	8.	< 1.	< 1.
Beryllium	Be	0.2	0.4	0.5	0.2	0.1
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cobalt	Co	18.	14.	14.	23.	29.
Chromium	Cr	127.	117.	154.	277.	151.
Copper	Cu	7	19	30	35	17
Mercury	Hg	0.1	0.1	0.1	0.1	0.1
Molybdenum	Mo	4	4	4	3	4
Nickel	Ni	14	9	7	8	17
Lead	Pb	10	9	7	6	7
Antimony	Sb	0.1	0.1	0.2	0.1	0.1
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	0.7	1.0	1.2	0.6	0.5
Uranium	U	0.1	0.2	0.3	0.1	0.1
Vanadium	V	140	176	138	240	264
Zinc	Zn	15	40	37	25	42
Rare Earth Elements						
Cerium	Ce	28.5	34.8	35.3	19.4	23.3
Dysprosium	Dy	2.0	2.9	2.7	2.5	2.6
Erbium	Er	1.2	1.6	1.6	1.5	1.5
Europium	Eu	0.8	1.1	1.0	0.9	1.0
Gadolinium	Gd	1.6	2.0	1.9	1.6	2.1
Holmium	Ho	0.5	0.7	0.6	0.6	0.7
Lanthanum	La	14.1	17.8	18.7	8.7	10.3
Lutetium	Lu	0.3	0.4	0.5	0.4	0.4
Neodymium	Nd	15.7	19.1	20.1	12.4	15.0
Praseodymium	Pr	2.0	2.7	2.4	1.5	1.8
Samarium	Sm	2.9	3.4	3.3	3.1	3.5
Terbium	Tb	0.2	0.4	0.4	0.3	0.3
Thullium	Tm	0.2	0.3	0.3	0.3	0.3
Yttrium	Y	16.8	27.2	26.2	21.6	23.0
Ytterbium	Yb	1.9	2.8	2.8	2.7	2.6
Misc. Trace Elements						
Gallium	Ga	8.	9.	9.	9.	10.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	5.5	7.8	5.1	5.1	4.0
Tin	Sn	2.2	1.6	1.4	6.1	2.5
Tantalum	Ta	0.6	0.9	0.9	0.7	0.5
Tellurium	Te	0.2	0.1	0.1	0.1	0.1
Tungsten	W	3.4	2.8	3.4	1.6	2.9
Results in		ppm	ppm	ppm	ppm	ppm

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To: Nuspar Resources Ltd W/O: 6943

Sample type	DD Core	DD Core	DD Core	DD Core	DD Core
Identification	F3	F4	G1	G2	G3
Lab Reference #	6943-021	6943-022	6943-023	6943-024	6943-025
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals					
Gold Au	0.02	0.02	0.07	0.34	1.12
Palladium Pd	0.09	< 0.01	0.01	0.01	< 0.01
Platinum Pt	< 0.02	< 0.02	< 0.02	0.02	0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	53.1	52.0	54.6	58.9	59.0
Aluminum %Al2O3	16.4	15.6	13.8	15.8	16.3
Iron %Fe2O3	8.95	10.4	12.3	7.24	7.97
Calcium % CaO	5.17	6.19	2.43	4.01	4.04
Magnesium % MgO	3.82	3.96	3.13	3.07	3.65
Sodium % Na2O	4.02	3.20	1.98	2.48	2.80
Potassium % K2O	0.91	0.84	1.97	1.97	1.30
Barium % BaO	0.021	0.022	0.025	0.093	0.036
Manganese % MnO	0.14	0.14	0.10	0.14	0.11
Phosphorus% P2O5	0.21	0.17	0.12	0.17	0.17
Strontium % SrO	0.030	0.027	0.014	0.027	0.035
Titanium % TiO2	0.97	0.89	0.61	0.63	0.72
Zirconium % ZrO2	0.002	0.002	0.002	0.009	0.007
Loss on Ignition	4.79	5.05	7.40	3.86	4.16
Total Oxides %	98.5	98.5	98.5	98.4	100.3
Total Carbon %C	0.50	0.61	0.23	0.18	0.23
Total Sulfur %S	4.72	6.16	2.47	2.08	3.27

/10..

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5G 4M1 Tel:(604)438-5226

To: Nuspar Resources Ltd W/O: 6943 Page 10

Sample type		DD Core	DD Core	DD Core	DD Core	DD Core
Identification		F3	F4	G1	G2	G3
Lab Reference #		6943-021	6943-022	6943-023	6943-024	6943-020
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.4	0.4	0.2	0.4	0.6
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	1.	8.	7.	8.	3.
Beryllium	Be	0.2	0.2	0.3	0.3	0.2
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cobalt	Co	23.	29.	23.	21.	23.
Chromium	Cr	86.	87.	182.	138.	130.
Copper	Cu	66	113	12	43	13
Mercury	Hg	0.1	0.1	1.1	0.4	0.4
Molybdenum	Mo	4	4	8	5	4
Nickel	Ni	9	9	15	8	25
Lead	Pb	5	5	7	5	5
Antimony	Sb	0.1	0.2	0.2	0.1	0.1
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	0.5	0.4	1.1	1.2	1.4
Uranium	U	0.1	0.2	0.3	0.1	0.1
Vanadium	V	279	271	188	152	212
Zinc	Zn	36	37	23	38	27
Rare Earth Elements						
Cerium	Ce	23.9	20.1	37.1	35.1	36.1
Dysprosium	Dy	2.6	2.3	2.2	3.0	2.9
Erbium	Er	1.5	1.5	1.3	1.5	1.8
Europium	Eu	0.9	0.9	0.9	0.9	1.1
Gadolinium	Gd	1.9	1.6	1.7	1.9	2.0
Holmium	Ho	0.7	0.6	0.5	0.6	0.7
Lanthanum	La	10.4	9.3	19.1	15.9	18.0
Lutetium	Lu	0.4	0.4	0.3	0.4	0.5
Neodymium	Nd	15.5	13.2	21.2	19.5	21.0
Praseodymium	Pr	1.8	1.6	2.5	2.4	2.7
Samarium	Sm	3.2	2.9	3.5	3.2	3.5
Terbium	Tb	0.3	0.4	0.3	0.3	0.4
Thullium	Tm	0.3	0.3	0.2	0.3	0.3
Yttrium	Y	26.2	21.3	18.9	25.3	24.2
Ytterbium	Yb	2.7	2.4	1.9	2.7	2.8
Misc. Trace Elements						
Gallium	Ga	12.	12.	7.	8.	8.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	15.8	4.3	5.8	8.7	6.6
Tin	Sn	4.1	0.3	1.7	4.6	1.9
Tantalum	Ta	0.5	0.5	0.7	1.1	1.1
Tellurium	Te	0.1	0.1	0.3	0.1	0.2
Tungsten	W	5.1	1.8	3.2	3.1	3.9
Results in		ppm	ppm	ppm	ppm	ppm

/11...

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5G 4M1 Tel:(604)438-5226

To: Nuspar Resources Ltd W/O: 6943 Page 11

Sample type	DD Core	DD Core	DD Core	DD Core	DD Core
Identification	G4	G5	H1	H2	I1
Lab Reference #	6943-026	6943-027	6943-028	6943-029	6943-030
Analyzed by Plasma Emission Spectroscopy (ICAP)					
Method used	Total	Total	Total	Total	Total
Precious Metals by Fire Assay					
Gold Au	0.03	0.31	0.02	0.01	< 0.01
Palladium Pd	< 0.01	0.01	0.01	< 0.01	0.01
Platinum Pt	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm	ppm	ppm
Majors as Oxides					
Silicon % SiO2	56.6	62.3	62.2	63.0	56.2
Aluminum %Al2O3	16.3	15.2	16.3	16.8	15.9
Iron %Fe2O3	8.48	6.09	6.08	5.79	9.63
Calcium % CaO	3.66	2.73	2.99	3.38	2.90
Magnesium % MgO	4.23	3.58	2.65	2.68	3.36
Sodium % Na2O	2.82	3.44	4.20	4.37	2.52
Potassium % K2O	1.68	1.10	1.12	0.98	1.79
Barium % BaO	0.029	0.015	0.045	0.042	0.053
Manganese % MnO	0.12	0.069	0.057	0.063	0.047
Phosphorus% P2O5	0.18	0.18	0.16	0.16	0.12
Strontium % SrO	0.034	0.029	0.045	0.048	0.036
Titanium % TiO2	0.78	0.63	0.60	0.60	0.61
Zirconium % ZrO2	0.004	0.006	0.010	0.008	0.003
Loss on Ignition	4.82	3.72	3.69	3.39	6.33
Total Oxides %	100.0	99.0	100.	100.9	99.5
Total Carbon %C	0.18	0.20	0.02	0.02	0.16
Total Sulfur %S	3.46	1.64	3.44	2.52	6.55

/12..

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5G 4M1 Tel:(604)438-5226

To: Nuspar Resources Ltd W/O: 6943 Page 12

Sample type		DD Core	DD Core	DD Core	DD Core	DD Core
Identification		G4	G5	H1	H2	I1
Lab Reference #		6943-026	6943-027	6943-028	6943-029	6943-030
Analyzed by Plasma Emission Spectroscopy (ICAP)						
Method used		Total	Total	Total	Total	Total
Trace Elements						
Silver	Ag	0.2	0.4	0.2	0.2	0.2
Arsenic	As	< 30	< 30	< 30	< 30	< 30
Boron	B	6.	4.	5.	2.	2.
Beryllium	Be	0.2	0.2	0.4	0.3	0.2
Bismuth	Bi	< 20	< 20	< 20	< 20	< 20
Cadmium	Cd	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Cobalt	Co	18.	23.	14.	12.	29.
Chromium	Cr	132.	198.	114.	108.	151.
Copper	Cu	15	19	12	19	23
Mercury	Hg	0.7	0.2	0.1	0.1	0.1
Molybdenum	Mo	4	4	6	3	3
Nickel	Ni	15	15	13	9	21
Lead	Pb	7	7	5	5	8
Antimony	Sb	0.2	0.2	0.1	0.1	0.1
Selenium	Se	< 10	< 10	< 10	< 10	< 10
Thorium	Th	1.7	1.3	2.3	2.1	0.7
Uranium	U	0.2	0.2	0.2	0.2	0.1
Vanadium	V	217	184	153	159	219
Zinc	Zn	32	19	12	14	30
Rare Earth Elements						
Cerium	Ce	33.1	29.6	54.7	48.6	27.2
Dysprosium	Dy	2.6	2.6	3.0	3.0	2.6
Erbium	Er	1.6	1.4	1.8	1.8	1.6
Europium	Eu	0.9	1.0	1.0	0.9	0.9
Gadolinium	Gd	2.0	1.9	2.4	2.0	2.0
Holmium	Ho	0.6	0.6	0.8	0.6	0.6
Lanthanum	La	16.0	14.1	27.6	23.5	13.6
Lutetium	Lu	0.4	0.4	0.5	0.4	0.4
Neodymium	Nd	18.1	16.9	26.5	23.1	15.4
Praseodymium	Pr	2.3	2.1	0.4	3.2	2.0
Samarium	Sm	3.6	3.3	4.8	3.6	2.9
Terbium	Tb	0.3	0.4	0.4	0.4	0.3
Thullium	Tm	0.3	0.3	0.3	0.3	0.3
Yttrium	Y	23.0	22.4	29.7	25.6	24.1
Ytterbium	Yb	2.6	2.4	3.0	2.9	2.5
Misc.Trace Elements						
Gallium	Ga	9.	9.	8.	7.	9.
Germanium	Ge	1.	1.	1.	1.	1.
Niobium	Nb	5.8	4.7	9.6	7.6	3.1
Tin	Sn	2.8	1.5	1.3	1.4	1.5
Tantalum	Ta	1.4	0.8	1.3	1.3	0.5
Tellurium	Te	0.2	0.1	0.1	0.1	0.1
Tungsten	W	2.5	2.0	2.2	1.8	1.9
Results in		PPM	PPM	PPM	PPM	PPM

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5G 4M1 Tel:(604)438-5226

To: Nuspar Resources Ltd W/O: 6943 Page 13

Sample type	DD Core	DD Core	DD Core
Identification	I2	I3	I4
Lab Reference #	6943-031	6943-032	6943-033
Analyzed by Plasma Emission Spectroscopy (ICAP)			
Method used	Total	Total	Total
Precious Metals by Fire Assay			
Gold Au	2.80	0.02	0.16
Palladium Pd	< 0.01	< 0.01	< 0.01
Platinum Pt	< 0.02	< 0.02	< 0.02
Rhodium Rh	< 0.03	< 0.03	< 0.03
Results in	ppm	ppm	ppm
Majors as Oxides			
Silicon % SiO2	54.3	55.5	55.6
Aluminum %Al2O3	16.4	16.9	16.7
Iron %Fe2O3	10.7	8.60	8.59
Calcium % CaO	2.68	3.36	3.16
Magnesium % MgO	3.85	3.43	3.86
Sodium % Na2O	2.65	3.80	3.36
Potassium % K2O	1.43	1.10	1.21
Barium % BaO	0.030	0.025	0.038
Manganese % MnO	0.046	0.036	0.041
Phosphorus% P2O5	0.16	0.16	0.12
Strontium % SrO	0.032	0.035	0.034
Titanium % TiO2	0.64	0.64	0.61
Zirconium % ZrO2	0.002	0.004	0.004
Loss on Ignition	7.07	5.20	5.21
Total Oxides %	100.0	98.8	98.5
Total Carbon %C	0.09	0.12	0.11
Total Sulfur %S	7.04	5.75	5.43

/14...

quanta trace laboratories inc.
#401-3700 Gilmore Way, Burnaby, B.C., Canada V5B 4M1 Tel:(604)438-5226

To: Nuspar Resources Ltd W/O: 6943 Page 14

Sample type		DD Core	DD Core	DD Core
Identification		I2	I3	I4
Lab Reference #		6943-031	6943-032	6943-033
Analyzed by Plasma Emission Spectroscopy (ICAP)				
Method used		Total	Total	Total
Trace Elements				
Silver	Ag	0.2	0.4	0.2
Arsenic	As	< 30	< 30	< 30
Boron	B	2.	4.	2.
Beryllium	Be	0.2	0.3	0.3
Bismuth	Bi	< 20	< 20	< 20
Cadmium	Cd	< 0.1	< 0.1	< 0.1
Cobalt	Co	37.	29.	21.
Chromium	Cr	157.	130.	116.
Copper	Cu	28	9	9
Mercury	Hg	0.1	0.1	0.1
Molybdenum	Mo	6	4	6
Nickel	Ni	18	15	15
Lead	Pb	6	15	5
Antimony	Sb	0.1	0.1	0.1
Selenium	Se	< 10	< 10	< 10
Thorium	Th	1.1	0.9	0.6
Uranium	U	0.1	0.1	0.1
Vanadium	V	239	233	208
Zinc	Zn	12	13	12
Rare Earth Elements				
Cerium	Ce	46.6	27.1	27.9
Dysprosium	Dy	2.9	2.1	2.5
Erbium	Er	1.5	1.0	1.3
Europium	Eu	1.2	0.9	0.9
Gadolinium	Gd	2.3	1.7	1.9
Holmium	Ho	0.7	0.6	0.6
Lanthanum	La	22.7	12.7	13.7
Lutetium	Lu	0.4	0.3	0.4
Neodymium	Nd	24.1	15.5	16.0
Praseodymium	Pr	3.3	2.0	2.1
Samarium	Sm	4.4	2.9	2.9
Terbium	Tb	0.4	0.3	0.3
Thullium	Tm	0.3	0.2	0.2
Yttrium	Y	24.8	21.4	22.7
Ytterbium	Yb	2.5	2.3	2.2
Misc. Trace Elements				
Gallium	Ga	10.	9.	9.
Germanium	Ge	1.	1.	1.
Niobium	Nb	4.1	3.7	3.2
Tin	Sn	1.3	32.6	1.2
Tantalum	Ta	0.5	0.6	0.5
Tellurium	Te	0.1	0.1	0.1
Tungsten	W	2.0	2.3	1.4
Results in		ppm	ppm	ppm

analyst

To:

Nuspar Resources Ltd.

205 - 493 Burnside Road East

Victoria, B.C.

V8T 2X3

Attention:

PRECIOUS METALS REFINERS AND ASSAYERS
SANDO
INDUSTRIES LTD.
#6 - 7950 HUSTON ROAD,
DELTA, B.C., CANADA V4G 1C2
(604) 946-2266

Certificate of Assay

Date: January 21, 1987

Control No. 10374

We Hereby Certify that the following are the results of assays made by us upon submitted Diamond Drill Core samples.

Sample Identification	GOLD Ounces Per Ton	SILVER Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent
# 1 1-1	0.062							
# 2 1-2	0.012							
# 3 1-3	0.010							
# 4 1-4	0.008							
# 5 1-5	0.082							
# 6 1-6	0.054							
# 7 1-7	0.004							

Note: Pulps retained three months.

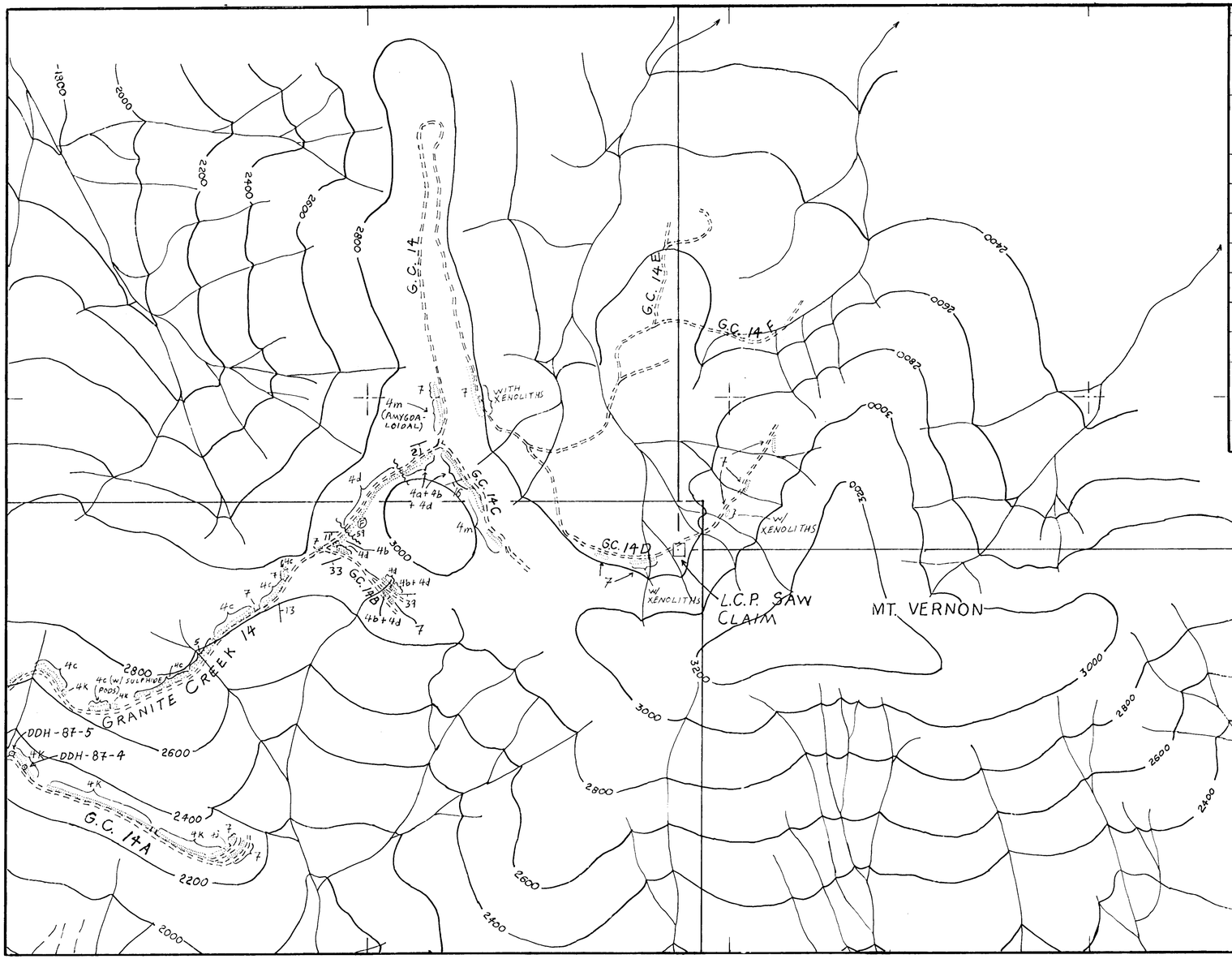
Rejects retained two weeks.

SANDO INDUSTRIES LTD.

J. F. C. Burgess.

Certified Provincial Assayer

FIGURE II



NUSPAR RESOURCES LTD.

GEOLOGY

RAYMOND CREEK

VICTORIA MINING DIVISION

AUTHOR: P. FISCHL

DRAWN BY: P. FISCHL

DATE DRAWN: DEC. 1987

COUNTOUR INTERVAL: 200ft.

LOCATION (N.T.S.): 92C/16

SCALE; 1:5000

0 100 200 300 400

METRES

SOURCE OF TOPOGRAPHY: M & B (FRANKLIN RIVER DIV.)

SYMBOLS:

- DRILL SITE
- DDH-87-5 DRILL HOLE NUMBER
- HAUL ROADS
- G.C.14 ROAD NUMBER
- BED ATTITUDE
- OUTCROP
- FAULT
- CONTACT
- INFERRED CONTACT
- (F) FOSSIL LOCALITY

LEGEND:

- 7 ANDESITIC STOCK/DYKE
- 5 GRANITIC DYKE

BONANZA GROUP

- 4a ARGILLITE
- 4b SILTSTONE
- 4c CHERT
- 4d SANDSTONE
- 4j BRECCIA
- 4k DACITE/SILICIOUS ANDESITE
- 4m BASALTIC FLOWS

N

48°52'30"

124°30'00"

124°27'30"

48°52'30"

FIGURE 10

124°32'30"

124°30'00"

48°52'30"

48°51'00"

N

L.C.P. ARCHER 5

L.C.P. ARCHER 4

L.C.P. ARCHER 3

L.C.P. ARCHER 2

L.C.P. ARCHER 1

L.C.P. GOOD GOLD 2

L.C.P. GOOD GOLD 3

GRANITE CREEK

GRANITE CREEK MAIN

GRANITE CREEK 14

G.C. MAIN

G.C. 3

G.C. 4

G.C. 5

G.C. 5A

G.C. 5B

G.C. 5C

G.C. 5D

G.C. 5E

G.C. 5F

G.C. 5G

G.C. 7

G.C. 9

G.C. 10

G.C. 14A

RAYMOND CREEK

WILSON CREEK

DDH-87-1

DDH-87-2

DDH-87-3

GATE

TRENCH

TRENCHES

7 (EXTENSIVELY SHEARED UP W/ SOME PYRITIC SHEAR ZONES)

7 (SHEARED UP)

7 (EXTREMELY FRACTURED & SHEARED UP)

4c (HIGHLY FRACTURED)

4c (EXTENSIVELY FRACTURED)

7 (BRECCIATED) RUSTY SHEAR ZONE

7 (SHEARED UP W/ SOME PYRITIC FRACTURES & SHEARS)

7 (EXTREMELY FRACTURED W/ RUSTY SHEAR ZONES)

7 (BRECCIATED)

1a w/ MALACHITE STAINING

4m+4h (MAFIC)

EXTENSIVELY FRACTURED & SHEARED UP

PYRITIC ALONG FRACTURES

4g (TIGHTLY FOLDED)

WITH XENOLITHS

W/ XENOLITHS

LEGEND :

- 7 ANDESITIC STOCK / DYKE
- 5 GRANODIORITIC DYKE

BONANZA GROUP

- 4a ARGILLITE / MUDSTONE
- 4b SILTSTONE
- 4c CHERT
- 4d SANDSTONE
- 4e CHERTY SILTITE
- 4f HEMATITIC TUFF
- 4g CHERTY TUFF
- 4h OTHER TUFFS
- 4i BASAL BRECCIA
- 4j OTHER VOLCANIC BRECCIAS
- 4k DACITE / SILICIOUS ANDESITE
- 4l ANDESITIC FLOWS
- 4m BASALTIC FLOWS

- 3 PARSONS BAY ARGILLITE
- 2 QUATSINO LIMESTONE

KARMUTSEN FORMATION

- 1a BASALTIC TO ANDESITIC FLOWS
- 1b SILICIOUS TUFF

NUSPAR RESOURCES LTD.

GEOLOGY

GRANITE CREEK

VICTORIA MINING DIVISION

AUTHOR : P. FISCHL

DRAWN BY : P. FISCHL

DATE DRAWN : FEB. 1988

CONTOUR INTERVAL : 200ft.

LOCATION (N.T.S.) : 92C/15

SCALE ; 1 : 5000

0 100 200 300 400 METRES

SOURCE OF TOPOGRAPHY : M & B (FRANKLIN RIVER DIV.)

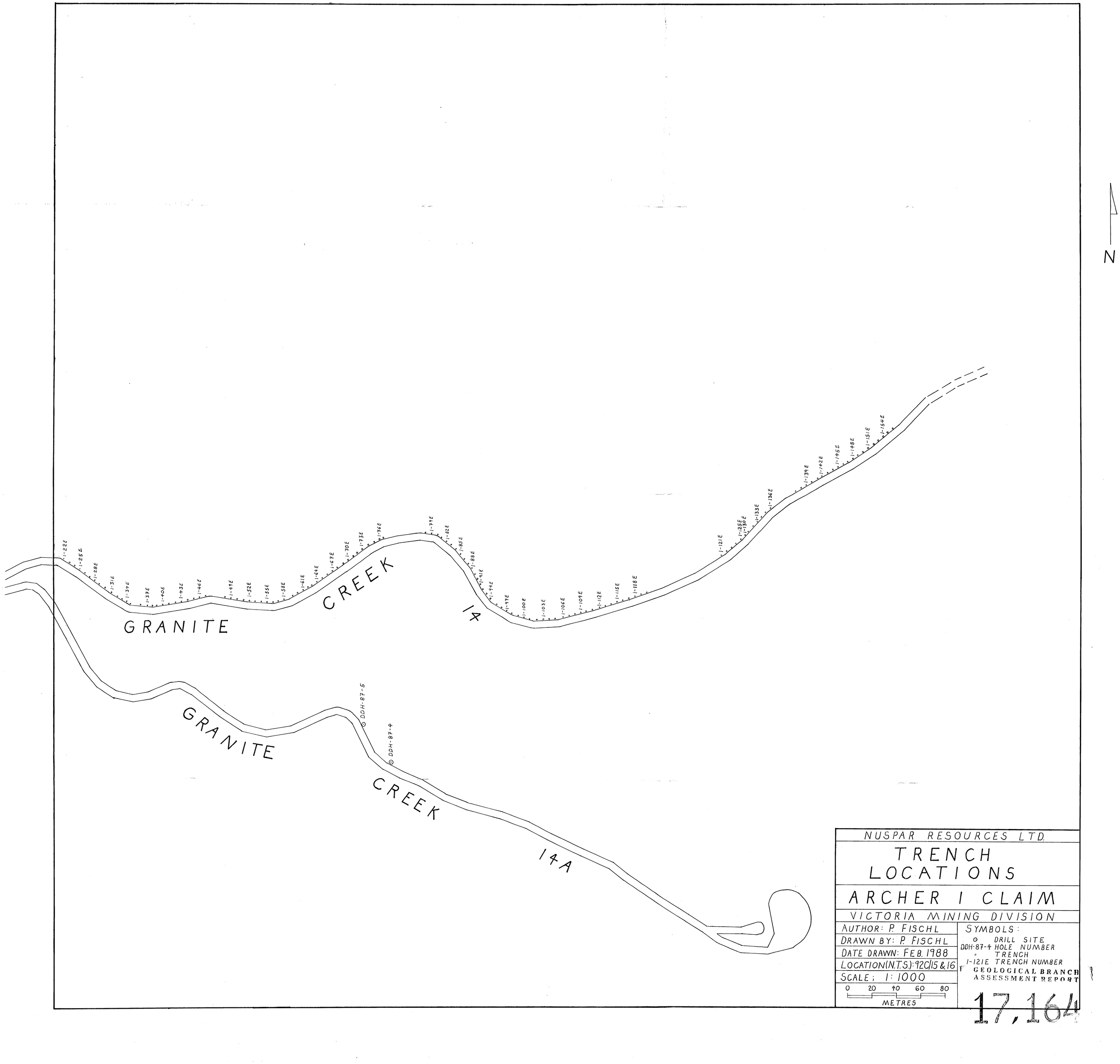
SYMBOLS :

- ° DRILL SITE
- DDH-87-3 DRILL HOLE NUMBER
- TRENCH
- HAUL ROADS
- G.C. 14 ROAD NUMBER
- /35 BED ATTITUDE
- OUTCROP
- FAULT
- CONTACT
- INFERRED CONTACT
- (F) FOSSIL LOCALITY

GEOLOGICAL BRANCH ASSESSMENT REPORT

17,164

FIGURE 12 EAST



NUSPAR RESOURCES LTD.

TRENCH LOCATIONS

ARCHER 1 CLAIM

VICTORIA MINING DIVISION

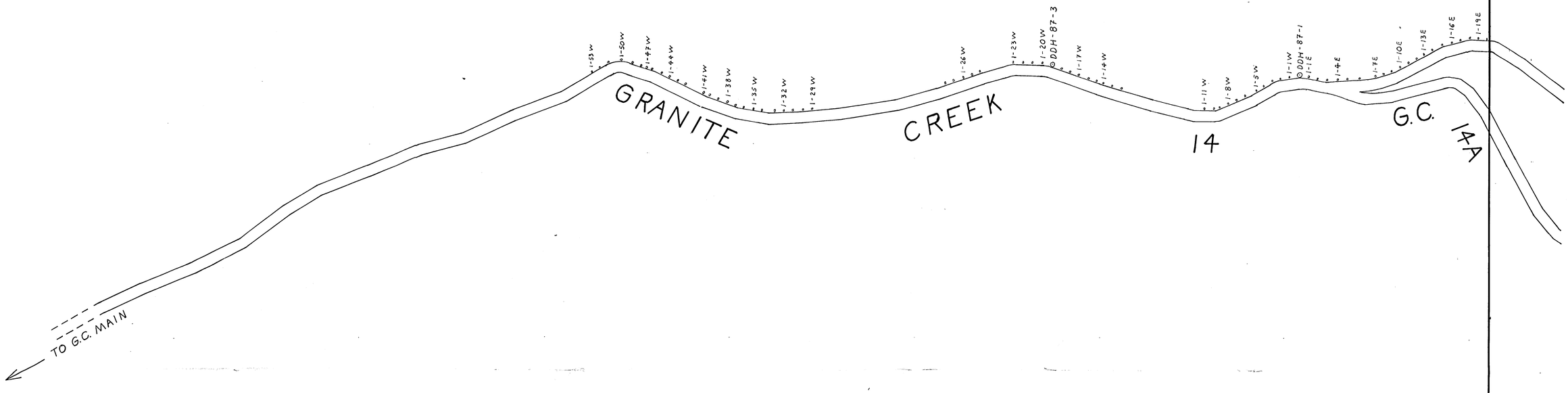
AUTHOR: P. FISCHL
DRAWN BY: P. FISCHL
DATE DRAWN: FEB. 1988
LOCATION(N.T.S.): 92C/15 & 16
SCALE; 1:1000

0 20 40 60 80
METRES

SYMBOLS:
o DRILL SITE
DDH-87-4 HOLE NUMBER
◦ TRENCH
1-121E TRENCH NUMBER

FIGURE 12 WEST

N



NUSPAR RESOURCES LTD.

TRENCH LOCATIONS

ARCHER 1 CLAIM

VICTORIA MINING DIVISION

AUTHOR: P. FISCHL
DRAWN BY: P. FISCHL
DATE DRAWN: FEB. 1988
LOCATION(N.T.S.): 92/C15
SCALE; 1:1000

0 20 40 60 80
METRES

SYMBOLS:
⊙ DRILL SITE
DDH-87-1 HOLE NUMBER
▫ TRENCH
1-11W TRENCH NUMBER