820447



BEACON HILL CONSULTANTS LTD.
MINING ENGINEERS

Amazon Petroleum Inc.
Wayside Deposit
Near Goldbridge, B.C.

Compilation of Exploration Data

Sept. 1986

092J/15W

BEACON HILL CONSULTANTS LTD.
MINING ENGINEERS

10771 Argentia Drive, Richmond, British Columbia, Canada V7E 4K6 Business: (604) 681-4196 Residence: (604) 277-0626

26th September 1986

Kerr Addison Mines Ltd.,
703 Fidelity Life Building
1112 West Pender Street
Vancouver, B.C.
V6E 2S1

Attention: Mr.Fred Daly.

Subject: Wayside Property.

Dear Fred,

I enclose the report "Compilation of Exploration Data" of the Wayside property for your review as promised in our meeting, Friday the 18th September.

The information contained within the report is intended to summarise the work that has been performed on the Wayside property since it's discovery, describing the geology and also rationalizing the exploration data available. Particular emphasis has been placed on the exploration work performed since 1972.

The original data, on which the above report is based is available at my office, for perusal or copying.

I would recommend a site visit by you or your associates to obtain a first hand knowledge of the site conditions, adits, and geological structures. Mr.Robin Tolbert is expected to be at the site until approximately the 7th October 1986 to assist in a site visit.Please contact myself to make the necessary arrangements.

If you should require any further information or assistance please contact me at 681-4196.

Yours truly

W.P.Stokes P.Eng.,
President.

TABLE OF CONTENTS

Description	Page
Summary	1
Introduction	2
Location and Access	2
Claim Area, Status and Ownership	4
Infrastructure	7
History	7
Physiography and Vegetation	10
Previous Work	10
Summary of 1985 Exploration	13
Geology	14
Located Areas of Mineralization	18
Geophysics	34
Geochemistry	36
Conclusions	38
Recommendations	38
Chronological Bibliography	39
Appendices	41

FIGURES

		Page
Figure 1	General Location Map.	3
Figure 2	Detailed Location Map and Claim Area. 1:50,000	5
Figure 3	Adjacent Properties.	6
Figure 4	Plan of Underground Workings, Wayside Property 1:1200.	ENVELOPE 1
Figure 5	District Geology (After C.E.Cairnes, 1937) 1:50,000	15
Figure 6	Wayside Property Geology 1:5000.	ENVELOPE 2
Figure 7	Detailed Geology, South area 1:1200	ENVELOPE 3
Figure 8	Detailed Geology, Central area 1:1200	ENVELOPE 4
Figure 9	Detailed Geology, North area 1:1200	ENVELOPE 5
Figure 10	Detailed drill plan on Commodore Vein.	24
Figure 11	Geology of Trench 86-5	28
Figure 12	Assay Locations Trench 86-5	29
Figure 13	Two Bob Vein Zone-Gold in Douglas Fir	ENVELOPE 6
Figure 14	Two Bob Vein Zone-Arsenic in Douglas Fir	ENVELOPE 7
Figure 15	Two Bob Vein Zone-Antimony in Douglas Fir	ENVELOPE 8
Figure 16	Population Distribution-Gold	30
Figure 17	Population Distribution-Arsenic	31
Figure 18	Population Distribution - Antimony	32
Figure 19	Orthophoto, Wayside Property 1:5000	ENVELOPE 9

TABLES

		Page
1	LIST OF LOCATED ADITS.	19
2	SUMMARY OF DRILLING ON WAYSIDE VEIN.	20
3	SUMMARY OF DRILLING ON COMMODORE VEIN.	23
4	DESCRIPTION OF ASSAYS TWO-BOB VEIN ZONE.	27
5	SUMMARY OF DRILLING ON 'NEW DISCOVERY ZONE'.	33
6	LEGEND TO ACCOMPANY FIGURE 5.	16

PLATES

		Page
1	View southwest along Carpenter Lake towards Goldbridge.	11
2	View north to Two Bob Vein Zone.	11

APPENDICES

		Page
APPENDIX I	Assay Results of Biogeochemical Survey	41
APPENDIX II	List of Diamond Drill-Holes Stored at the Wayside Property, Goldbridge, B.C.	46

SUMMARY

The Wayside property, owned jointly by Amazon Petroleum Inc. and Carpenter Lake Resources is located at the west end of Carpenter Lake approximately 3.2 kilometres east of Goldbridge and approximately 160 kilometres north of Vancouver, B.C. (Figure 1). The Lillooet to Goldbridge roadway, a well maintained gravel road, passes through the property and provides easy access to the claim area. A powerline runs through the property adjacent to the readway and water, from both Carpenter Lake and Gun Lake, is in plentiful supply.

The claim area consists of 67 claims of which 29 are reverted Crown Granted claims and 38 are located claims.

Known mineralized areas on the property consist of the previously explored 3T, Commodore and Wayside veins (the latter producing 5,341 oz gold, 842 oz silver from 43,094 tons of ore) as well as the recently discovered Two-Bob vein and a volcanogenic massive sulphide zone known as the 'New Discovery Zone'.

The 3T, Commodore and Wayside veins occur within a stock of the Upper Jurassic Bralorne intrusions which host the Bralorne and Pioneer Mines which produced from 1900 to 1971 4,154,119 oz. Au and 950,510 oz. Ag from 7,950,931 ton. While the Two-Bob vein occurs in cherts and argillites of the Paleozoic (?) Fergusson Series which hosts the Congress and Howard Zones recently explored to the northeast by Levon Resources.

The 'New Discovery' zone occurs within greenstones of the Fergusson Series.

Most recent work until 1985 has consisted of exploration at or adjacent to the Wayside Mine. The potential of additional veins occurring on the property was shown with the discovery of the Two-Bob vein zone.

It is recommended that a systematic exploration program be established to define and extend the existing vein structures and also to explore for additional veins. It is suggested that the program commence with geological mapping and bio-geochemical exploration followed by geophysical techniques and trenching. Upon evaluation of the initial exploration it is proposed that drilling should commence on specific targets. It is expected that an exploration program encompassing the above work, as a first year program, would cost approximately $300,000.00.

INTRODUCTION

Mr. A. Chunick of Amazon Petroleum Inc., contacted Mr. W.P. Stokes of Beacon Hill Consultants and requested a complete review of the geological exploration data available on the Wayside property and the compilation of that data for easy evaluation by a prospective investor.

It became evident during the initial document review that all previous exploration activities had been based on very preliminary topographic maps and that an accurate and concise topographical map was required to provide a base for location of all exploration data, buildings, adit locations etc. A site visit was made on the 18th to the 20th June 1986 to locate and flag all diamond drill holes and adits, become familiar with the property and all showings, and, to examine accessible adits and trenches.

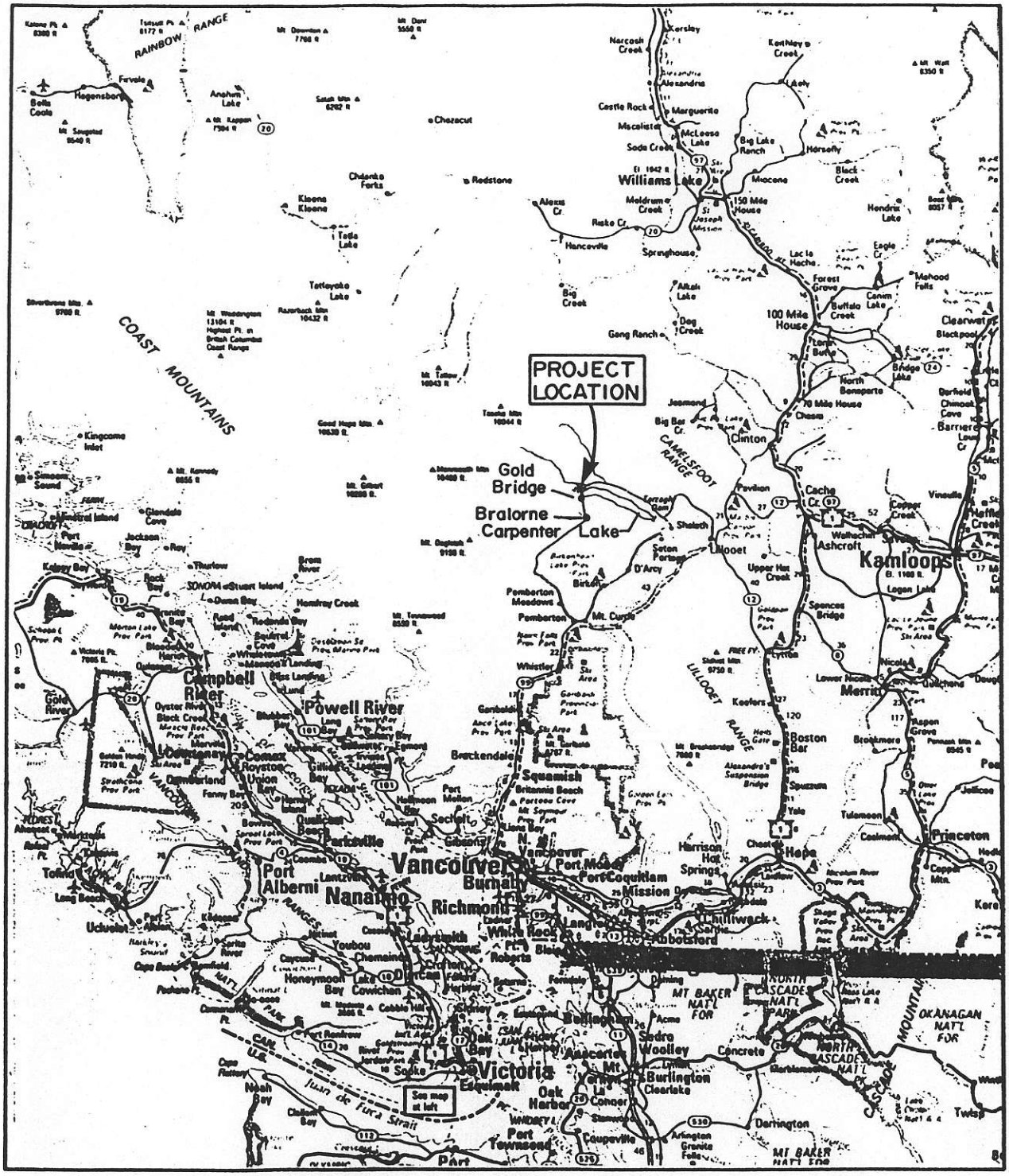
On completion of the site visit and identification of d.d.h., etc., the property was flown by Hugh Hamilton Ltd. who, from the aerial photography, produced the orthoplot and topographic maps.

This report provides a compilation of all previous available exploration data and also includes the minor exploration activities completed during 1986.

LOCATION AND ACCESS

The Wayside property is located (figure 1) at the west end of Carpenter Lake approximately two miles from Goldbridge, population approximately 70, in the Lillooet Mining Division.

Access to the property is from Vancouver via the Trans Canada Highway to Lytton then north to Lillooet, and west to Goldbridge. A second route via the Squamish Highway through Pemberton and Lillooet is access during the summer months only. The Trans Canada route is approximately 400 kilometres whereas the route via Pemberton is approximately 250 kilometres.



PROJECT LOCATION PLAN

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	1
Project	

CLAIM AREA, STATUS AND OWNERSHIP.

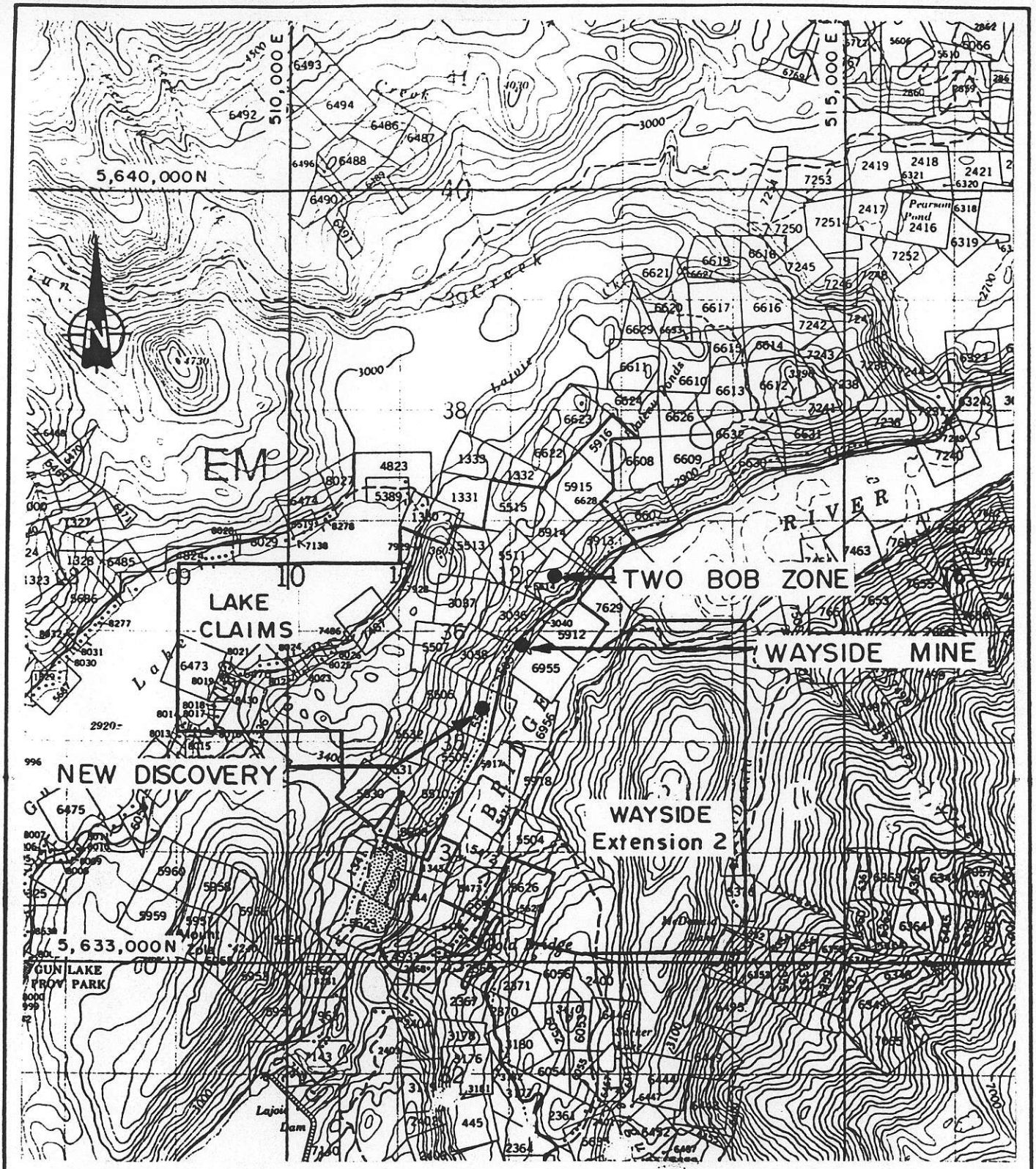
The Wayside property and adjacent properties are shown on figure 3. The Wayside claim area (Figure 2) is generally described as the Wayside Claims, the Lake Claims and the Wayside Extension Claims.

There are 67 claims in total of which 29 are reverted Crown Granted claims and 38 are located claims.

The claims are owned equally by Amazon Petroleum Inc. and Carpenter Lake Resources. Amazon Petroleum Inc, by making certain specified expenditures on the property prior to mid 1987 can earn a maximum of 60% of the Wayside property.

LIST OF CLAIMS

NAME	# OF UNITS	RECORD #	EXPIRY DATE
LAKE #3	1	3008	Nov 2nd 1986
LAKE #2	1	3009	Nov 2nd 1986
LAKE #1	12	3010	Nov 2nd 1986
LAKE FR. #1	1	3011	Nov.2nd 1986
LAKE FR. #2	1	3012	Nov 2nd 1986
HILLSIDE #4	1	989	Oct.1990
RIVERSIDE HILLSIDE FR. LODGE EXT.#1	1	990	Oct.1990
LODGE EXT. FR.	1	1022	Nov.1990
CABINET #2	1	1023	Nov 1990
WAYSIDE B FR.	1	1044	Nov.1990
PORT FR.	1	1045	Nav.1990
ARGON	1	417	Jan.1992
RADIUM	1	418	Jan.1992
HELIUM	1	419	Jan.1992
QUEEN CITY FR.	1	420	Jan.1992
RODEO	1	421	Jan.1992
COMMODORE FR.	1	422	Jan.1992
LODGE	1	423	Jan.1992
ALPHA	1	424	Jan.1992
BETA	1	425	Jan.1992
GAMMA	1	426	Jan.1992
CABINET	1	427	Jan.1992
COUNSEL	1	428	Jan.1992
NEWPORT	1	429	Jan.1992
CAMP DENISON	1	430	Jan.1992
SUN	1	431	Jan.1992
CITY #1	1	432	Jan.1992
SPRING A	1	433	Jan.1992
SPRING FR.	1	434	Jan.1993
SPRING B	1	435	Jan.1992
SPRING C	1	436	Jan.1992
LODGE B	1	437	Jan.1992
RODEO FR.	1	438	Jan.1993
WAYSIDE #2	1	439	Jan.1992

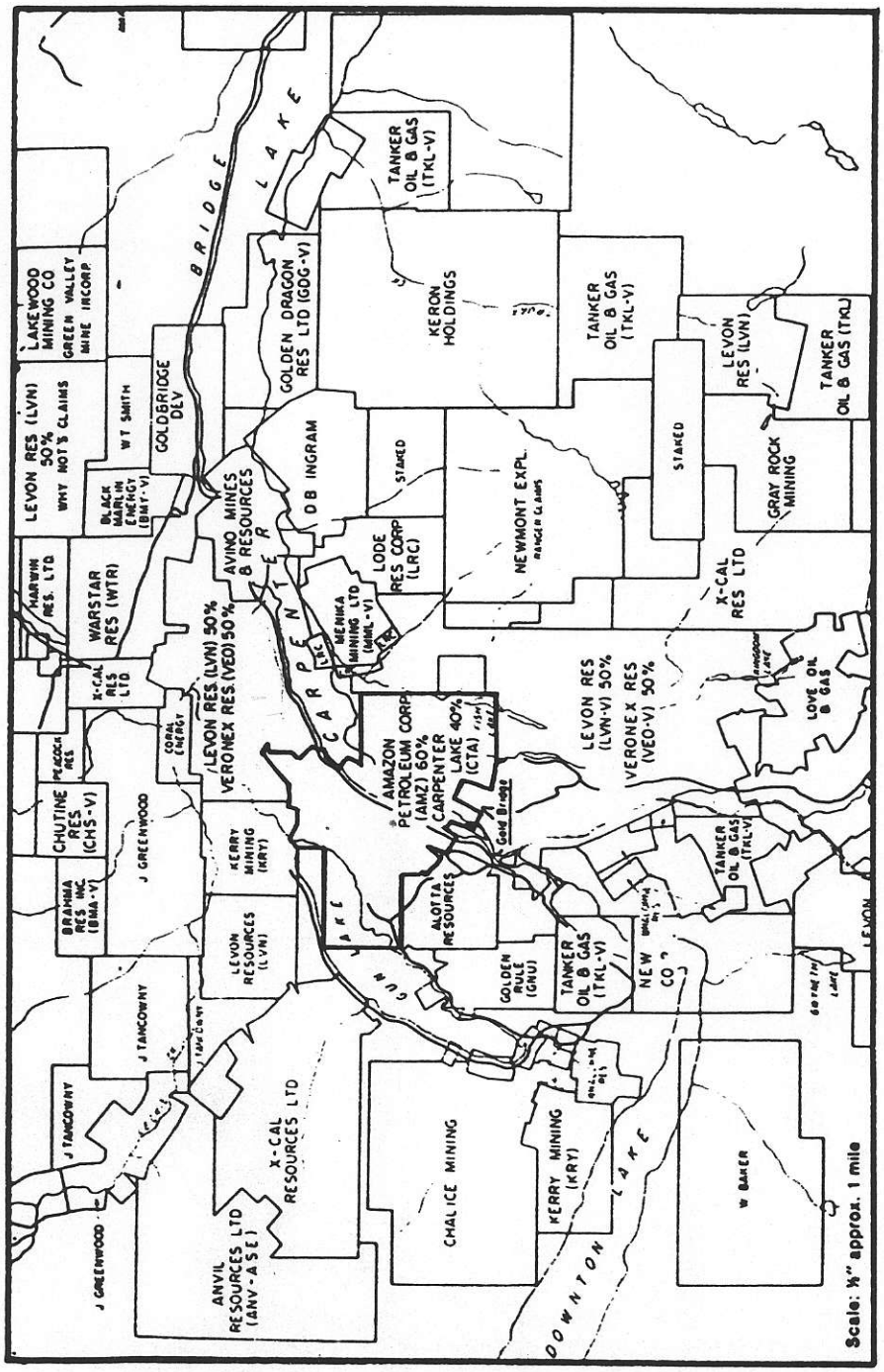


WAYSIDE PROJECT CLAIM AREA

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	2
Project	

Courtesy of
George Cross News Letter Ltd.



1000 0 1000 2000 3000 4000 metres

Scale – 1:50000

ADJACENT PROPERTIES

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	3
Project	

LODGE #2 FR.	1	440	Jan.1992
WAYSIDE EXT.#2	18	1089	Jan.1992
WAYSIDE FR #1	1	1247	Jan.1992
WAYSIDE EXT #2	1	1248	Jan.1992
WAYSIDE FR. #3	1	1249	Jan.1992

NOTE: Assessment work is presently being performed to bring those claims, which expire in 1986, in good standing.

INFRASTRUCTURE

The area has an abundance of water, in both Carpenter and Gun lakes, and a hydro line running through the property. The town of Goldbridge is suitably located for providing a base for accommodation and presently supports a hotel, motel and a number of small businesses. It is believed that the town would welcome increased activity in the area and is pleasantly located with easy access to Vancouver, and the hinterland of B.C.

HISTORY

During the period since the discovery of the Wayside deposit about 1900, the property has gone through two periods of exploration/production, one period of exploration and two periods of neglect.

Exploration and production occurred from:

1906 to 1937
1946 to 1953

and further exploration has occurred from 1972 to the present day. Exploration and production during the period 1906 to 1937 was spasmodic.

A typical description (Kelly 1972) of information from the Minister of Mines report 1924 where assays were reported from a number of workings.

"In the highest tunnel the No.1 tunnel, a sample across 20 ins in the face ran 1 oz. per ton gold. It was stated that the No.2 tunnel might be on the top of an ore shoot and that the No.3. tunnel was following a slip, possibly on the footwall of the true vein. In the lowest working, the No. 4. tunnel, a narrow quartz vein was reported which showed good gold valves at the face. A sample across an unspecified width yielded 2.08 oz in gold and 0.5 oz in silver per ton. It was also suggested that the ground between the No. 2 and No. 4 tunnels be tested."

The majority of the levels were developed during the period 1906-1937 and production has been recorded as 43,094 tons from which 5,341 oz of gold and 842 oz. of silver was produced.

In 1947 the mine was re-opened dewatered and repaired. Additional development occurred both horizontally and vertically with hoisting equipment being installed. Underground development produced 1000 tons of ore of which 900 tons were treated experimentally to determine a

suitable metallurgical process. The mine shutdown in 1953 due to legal difficulties.

Extracts from Kelly report as follows describes the history up to 1972.

"On November 2, 1971, J.P. Elwell, P.Eng. made a progress report on the Wayside Mine property to Dawson Range Mines Ltd.The mine had been partially de-watered to a point just below the eighth level, 320 ft. vertically below the No.5 adit. The principal objective was to sample the vein on the eighth level, as previous reports had indicated that it improved in width and grade to the south-east. It was believed to form part of an important ore shoot, which had been found on the ninth level at the time of the closure of the mine.

The No. 5 adit had also been re-opened and found to be in good condition as far back as the shaft. Elwell reported on a few of the other levels, some of which were in good condition and some of which showed caved areas. Dawson Range Mines was then well launched on its program of dewatering and rehabilitating the old workings of the Wayside Mine.

The Crown Granted claims covering the Wayside Property,which had reverted,were acquired by Dawson Range Mines Ltd. N.P.L. (the predecessor company to Carpenter Lake Resources Ltd.) in 1971, the No. 5 adit was repaired to the shaft and the mine was de-watered to the 8th level. The 6th, 7th and 8th levels were found to be in fairly goed condition, and some good gold values were obtained from pillars and stope remnants. Mining had been more extensive than indicated on the old plans and there was virtually no mineable ore remaining above the 8th level to the extent of the development.

The cost of maintaining the levels dewatered became excessive with the equipment in use and the mine was allowed to flood to the 5th level as it was decided for the time being to concentrate work on the workings above the adit level in the main mine, and to explore some of the other vein showings to the south of the main shear."

During 1972, 1973, and 1974 some bulldozer stripping, drilling,soil sampling, and magnetic surveying was carried out, and in September and November of 1974, Chas. A.R.Lammle, P.Eng. conducted a program of geological mapping and check sampling, and prepared a geological report and maps dated 27th November, 1974. This report designated eight targets for exploration both on the surface and from the underground workings. The surface targets including the 3T vein. Commodore vein, and the 'New Discovery' Zone.

Diamond drilling was carried out on the Commodore vein in 1975, and during 1976, 1977 and 1978 a certain amount of stripping and trenching was completed for assessment purposes with the drilling program being resumed in 1979. During that year 8 holes for a total of 819.5 m (2688 feet) were completed and one hole (No.79-S6) was stopped in mineralization at a depth of 244.2 m (801 feet).

The 1980 report by J.P.Elwell indicated that a total of 10 holes, total footage 2344.5 m (7,690 ft.), had been drilled. 8 holes 1981.7 m (6500 ft) had been drilled in the "New Discovery" Zone and two below 9 level.

The drilling below 9 level hole 80-S10 intersected a 15 foot section of vein in the hanging wall of the sheer which averaged 1.76 oz/ton Au and 0.68 oz/ton Ag.

Activity during 1980 onwards increased substantially. On the 31st August 1981 Geotronics produced a report on an IP survey which indicated two anomalous zones.

On February 8th 1982, J.P. Elwell Engineering Ltd., completed a report updating the exploration work completed from 1980 through to 1982 and also provided an update in Feb. 1983.

On the 18th Oct. 1983, E. Ostensoe and R.H. Seraphim completed a report on geological mapping and soil sampling which indicated several weakly anomalous values of gold. Additional work was completed by. E. Ostensoe and R.H. Seraphim in 1983 and reported Jan. 3rd, 1984. Three short holes were drilled in the Commodore vein. The best assay was given as 0.064 oz. gold per ton (sludge sample) over 1.22 m (4 feet).

During May 1984 Geotronics Surveys Ltd., completed a Seismic Refraction Survey.

On May 28th, 1984 L. Sookochoff prepared a report recommending an exploration program for the Wayside property.

A report on V.L.F.-E.M. and Soil Geochemistry Surveys was produced by Geotronics Oct. 1st 1984. The report indicated several promising conductors some of which had a strike length of at least 1000 m (3200 ft.). On October 26th and Nov 27th, 1984 Geotronics produced further reports on the Soil Geochemistry Surveys. The report indicated soil anomalies correlating with the V.L.F-E.M. conductive zones.

On October 1984, G.E. White produced a report outlining work completed on a "surface time domain electromagnetometer survey". This report indicated detection of a new strong high frequency conductor that was recommended to be tested by diamond drilling.

On October 1st 1984, A.H. Arik produced a report outlining the exploration work completed during 1984. The drilling completed under Mr. Arik's direction did not confirm previous results.

November 30th, 1984, E. Ostensoe produced a report on the drilling of the Commodore Vein. The purpose of the work was also to confirm previous results.

Geotronics on August 19th, 1985 produced a report to test 2 closely-parallel dowsing anomalies utilizing Induced Polarisation-Resistivity Testing on the East side of Carpenter Lake. There were no conclusive results for this work.

During 1985 R.J.Morris completed geological, geochemical and drilling work on the property. Morris completed a comprehensive review and report on the property. A.H. Arik took over late 1985 to complete the drilling program. A summary report was produced by A. H. Arik dated 13th Dec. 1985.

In May, 1986, W.P. Stokes of Beacon Hill Consultants Ltd. was commissioned to compile the available data on the Wayside in report form. Mr. Stokes hired Mr. R.S. Tolbert an experienced geologist to assist in this work.

PHYSIOGRAPHY AND VEGETATION

The property occurs within the Coast Ranges of B.C. The known mineralization on the property occurs in the northeast - southwest trending plateau between the Bridge River/ Carpenter Lake valley and Gun Lake. (Plate 1, Figure 2)

Elevations range from 660 metres in the valley to over 1000 metres on the plateau.

On the southeast corner of the claims elevations rise to over 1200 metres before descending steeply to the north-south trending MacDonald Creek Valley.

The main vegetation on the property consists of an open forest of Ponderosa Pine and Douglas Fir with Poplars, Birch and Alder occurring in logged, burnt or wet areas.

The Bridge River valley is now part of the Carpenter Lake reservoir which floods the property to the 665m elevation from mid-July to March each year.

PREVIOUS WORK

1914-37	- Wayside Mine produced - 43,094 tons ore
	5,341 oz. gold
	842 oz. silver
1937	- C.E. Cairnes-Geological mapping Bridge River - area G.S.C. Memoir 213
1946-53	- Wayside - exploration and possible production 1000 tons produced.
1971-1973	- J.P.Elwell dewatered/explored Wayside mine to 8th level obtained up to 0.83 ozs Au/ton over 3 feet.
1974	- Charles A.R. Lammle-preliminary report + map
	- 110 soil samples along highway analyzed for gold.



PLATE 1 - VIEW SOUTHWEST ALONG CARPENTER LAKE TOWARDS GOLDBRIDGE



PLATE 2 - VIEW NORTH TO TWO BOB VEIN ZONE

NOTE: Because of thick glacial debris soil sampling should be site specific.

- ground magnetometer survey along highway.

NOTE: Magnetometer results seem to map the diorite and Bridge River Group very well.

- two sites noted for oxidized porphyritic rock, "New Discovery" and above D.D.H. 84.07.

NOTE: A boulder of massive pyrite in chert was located at the second site (sample 59R).

NOTE: Located roadside outcrop of oxidized perphyritic volcanics assaying 0.26 oz. Au/ton and 0.10 oz Ag/ton over 45 feet.

1975 - D.D.H.75-A2 first hole in massive sulphides of 'New Discovery Zone'.

1979 - 1982 - J.P.Elwell - 3 reports covering diamond drilling and assaying.

- 9 holes in 'New Discovery Zone' total 2239.9 m (7348.9 feet)

- 1981-Geotronics- I.P. & S.P. survey

- anomaly A correlates very well with the 'New Discovery Zone.'

NOTE: The 'New Discovery' is non-economical, massive pyrite:

a) surface sampling

b) holes 84-10, 11

c) holes 80-S3, S2

- the north end of anomaly A is probably faulted (left lateral) to the 84-04 area.

NOTE: anomaly A over 84-04 correlated with a conductor of Glen White.

- the south end of anomaly A is probably faulted (right lateral) to become anomaly B.

NOTE: if anomaly A, over hole 84-04 and anomaly B are fault extensions of the main anomaly A, possible they are merely massive pyrite also.

1983 - R.H.Seraphim-Geochemistry for gold over the Wayside diorite and onto Bridge River Group west of the diorite

1984 - A. Halim Arik-Report on drilling, 1984 four holes on the "New Discovery" total = 825.4 m (2708 ft.)

1984 - Geotronics-EM and geochemistry.

- North end and east of Wayside diorite.

- good correlation of geochem and E.M.

1984 - Glen White-Geophysical report for downhole and pulse E.M.

SUMMARY OF 1985 EXPLORATION

- Geological mapping-North end, H. Arik east of base line

  R.J. Morris west of base line

- South end, R.J. Morris

- all roads

- White's grid

- chain and compass survey - 11,176 m (36,666.7 ft = 6.9 mi.)

- mostly road

- Trenching - 453 m (1,486.2 ft.)

- New road - 798 m (2,618.1 ft.)

- Old trenching and adit-three old trenches were located.

- one old adit was found

- Geochem-324 soil and rock samples

- Diamond drilling - 7 holes totalling 1130.2 metres

- New sections, White's grid

- New detail on 'New Discovery'

GEOLOGY

Regional Geology

The Wayside Property is within the Goldbridge-Bralorne Mining District and is part of the Coast Geanticline tectonic element of the Canadian Cordillera.

The district (Figure 5) is dominated by the eugeosynclinal volcano-sedimentary Bridge River Group of Triassic (and possibly upper Paleozoic) to upper Jurassic age which consists of:

Jurassic - Hurley Formation

Upper Triassic - Pioneer Formation

Triassic - Noel Formation

Triassic to possibly Paleozoic - Fergusson Series. (Ref. Cairnes 1937)

Intruded into this island arc volcano-sedimentary package are the northerly trending upper Jurassic Bralorne intrusives, which are bounded in places especially to the west by serpentinites possible related to the intrusives.

The upper Paleozoic (?) Fergusson Series consisting of argillaceous, tuffaceous lithologies, cherts argillites minor limestones and perhaps volcanics is representative of a eugeosynclinal island arc depositional regime which dominated this area.

During the early Mesozoic abundant andesitic and basaltic volcanics were extruded from island arc volcanic centres into adjacent troughs and basins. Thick accumulations of terrigenous and volcanogenic sediments were also deposited from the arcs into the basin. The Pioneer Formation volcanics and Noel Formation sediments, volcanoclastics and volcanics are representative of this period.

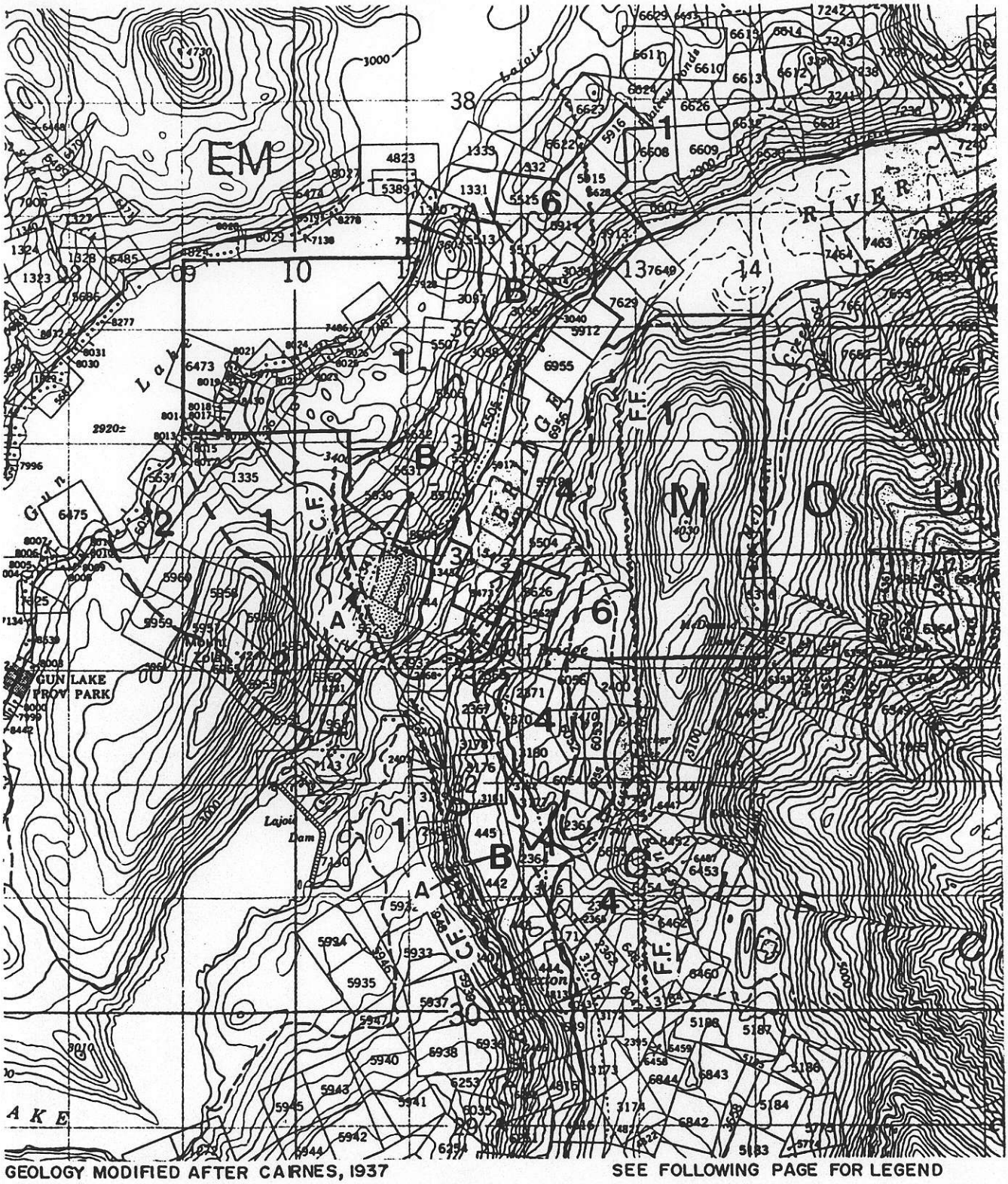
The Hurley Formation argillaceous and tuffaceous strata was deposited into the Tyaughton Trough successor basin which was established following the mid-Jurassic tectonism.

The Bralorne intrusions of upper Jurassic age with a composition varying from gabbro to augite-diorite to soda granite are part of the Coast Plutonic Complex which is dominated by the Pacific Orogen.

This tectonism has imparted deep steeply,dipping block faults and shear zones including the Cadwallader Shear Zone and the Fergusson Creek Fault.

Carbonized serpentinite occurs on the western margin of the Bralorne Intrusion adjacent to the Cadwallader Shear Zone.

Quartz-carbonate-talc $\pm$ mariposite ('epi-listwanite' - Kashkai,1965) alteration associated with many of the veins in the district may be



GEOLOGY MODIFIED AFTER CAIRNES, 1937

SEE FOLLOWING PAGE FOR LEGEND

1000 0 1000 2000 3000 4000 metres

Scale – 1:50000

GEOLOGICAL OVERVIEW

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	5
Project	

TABLE 6

LEGEND TO ACCOMPANY FIGURE 5

Unit	Age	Formation	Description
B	U. Jurassic	Bralorne Intrusives	Augite-diorite, gabbro, soda-granite (albitite dykes, sills)
A	Undifferentiated		Serpentinite, serpenitinized peridotite, carbonized serpentinite
6	Jurassic	Hurley Formation	Argillaceous, tuffaceous strata. minor sandstone, conglomerate and limestone
4	U. Triassic	Pioneer Formation	Greenstone (parphyritic lavas, pyroclastics) rhyolitic flows and minor breccia.
2	Triassic	Noel Formation	Banded to massive, grey to greenish, siliceous, argillaceous and tuffaceous beds. Minor interbedded volcanics.
1	Paleoziic(?)	Fergusson Formation	Argillaceous, tuffaceous strata, chert, argillite, nuber limestone and possibly carbonized serpentinites. On Wayside claim dominantly chert and greenstone which may in part be equivalent to the Pioneer Formation.
C.F.	Cadwallader Fault Zone		
F.F.	Fergusson Fault Zone		Modified after Cairnes (1937)

related to fluids that have eminated from these and similar unexposed serpentinite bodies.

Important late stage (?) feldspar porphyry,rhyolite and albitite dykes and sills occur throughout the district and are often associated spatially at least with mineralized veins.

Local Geology

Geological mapping was undertaken by Morris and Arik in 1985 from the 'New Discovery Zone' to the Two Bob Vein Zone (figure 6). The reader is referred to Morris's 1985 report for detailed outcrop geology. The centre and south of the mapped area is dominated by Bralorne Intrusives of diorite to gabbro composition (map Unit 10).To the south of the main 'Wayside Diorite Stock' greenstones,(unit 3) cherts (unit 5) and interbedded greenstone, chert and argillite (Unit 2) dominate. (Figure 7)

To the northeast of the 'Wayside Stock' argillites, minor sandstone and conglomerate (Unit 6) appear to overlie cherts (Unit 5) and volcanics (Unit 3).

Numerous erratic rhyolite to albitite dykes not shown intrude the above units. A larger body of rhyolite (Unit 11) occurs in the north part of the map area. (Figure 9)

Morris (1985) notes that the volcano-sedimentary package of rocks strikes north-south and dips steeply with a younging direction to the east.

Observations by Tolbert (1986) indicate polyphase folding has occurred dominated by a major phase with tight folds and near vertical north-south trending axial planes. This is typified by the large outcrop at the side of the trail to the mill ruins near the junction with the main gravel road (figure 8),close to Station 3N+100E on the West Grid.

Numerous other smaller outcrops show similar folding and have influenced Tolbert's interpretation of the geology.

Morris (1985), suggests that the Bralorne Intrusives (Unit 10) were introduced as sills during eugeosynchinal basin development. This is based on contacts parallel to the strike of the volcano-sedimentary package and the lack of contact metamorphism.

However on the northeast side of the the main 'Wayside stock' observed contacts are crosscutting though metamorphism is weak.

The argillites with minor sandstone, conglomerate and limestone (Unit 6) at the north end of the mapped area (Figure 9) may unconformably overlie units 2, 3 and 5 and represent the Hurley Formation of Jurassic age (Cairnes 1937).

Cairnes (1937) has mapped the Fergusson Creek Fault as passing through the north of the property, essentially along the trace of the East Grid

baseline (Figure 9). Though a major fault is not obvious shearing in trenches 11, 147 and in outcrops adjacent to spot height 675 m on the main road (Figure 9) may represent this fault zone.

Morris 1985 has interpreted two major east-west striking strike-slip faults with up to 150 metres displacement which appear to displace and truncate the 'New Discovery' massive sulphide zone (figure 7).

LOCATED AREAS OF MINERALIZATION

Wayside, Commodore, 3T Veins

These three veins are located within augite diorite to gabbro of the upper Jurassic Bralorne intrusives which also host the Pioneer, Bralorne and BRX mines from which over four million ounces of gold were produced up to 1971 and which are presently under exploration.

Sookochoff (1984) and Arik (1984) present plans of the underground workings of the Wayside and 3T veins completed by J.P. Elwell (1980) (Figure 4).

Wayside

Nine adits were driven on the Wayside vein (Figure 8) of which six are accessible (Table 1). In addition a -56 degrees winze extends from the No.5 level to the No. 7, 8 and 9 levels. These latter three levels are presently flooded. No. 5 level is approximately 40 ft. above lake level.

Up to 1937 5,341 oz. of gold and 842 oz. of silver were recovered from 43,000 tons of ore.

The mineralized zone extends over a vertical distance of 1000 feet with an indicated extension below the ninth level. (Sookochoff, 1984)

Drill-hole 80-S10 intersected 1.76 oz/ton Au over 15 feet between 685-700 feet which is 120 feet below the ninth level (Arik, 1984). A follow up drill-hole 81-S11 drilled 50 feet above 80-S10 intersected an alteration zone with only 0.003 oz/ton Au between 747 and 764 feet indicating the erratic nature of sampling for gold.This hole may be short.

Table 2 lists the surface holes drilled on the Wayside vein.

Examination by Tolbert of the Wayside adits has shown mineralization to occur as free gold, arsenopyrite and minor stibnite within quartz-ankerite veins which pinch and swell and are anastimosing within shear zones which have a few to 35 feet width. A number of phases of shearing and vein emplacement appear to have taken place.

Quartz-carbonate $\pm$ talc $\pm$ mariposite (epi-listwanite) alteration occurs within and adjacent to the shear zones.

The Wayside Vein has a strike of 150 to 165 degrees with a dip of 50 to 55 degrees east.

TABLE 1

LIST OF LOCATED ADITS

ADIT	REMARKS
Paxton	Accessible
'O'	Accessible
No. '1'	Caved to Glory hole
No. '2M'	Accessible caved at main stope area
No. '3'	Caved not too far in to adit
No. '4'	Accessible to main stope area
No. '4W'	Accessible for short distance
No. '5'	Accessible. Wet.
'3T'	Caved at Entrance
'Commodore'	Accessible 17 m long walls covered in carbonate
'Powerline'	Caved short distance in.

TABLE 2

WAYSIDE PROPERTY SUMMARY OF SURFACE DIAMOND-DRILLING
'WAYSIDE VEIN'

DDH	DIR	INCL	LENGTH	CORE SIZE	NOTES
79-S-7	240°	-55°	17.07 m		Two veins intersected - no significant assays n.b. 0 - level
79-S-8	240°	-80°	21.6 m		Qtz veins at 4.6-5.2 m, 17.2-20.1 m, 20.6-21.2 m 20.6-21.2 m - 0.005 oz/t Au, 0.11 oz/t Ag n.b. 0 - level
79-S-9	270°	-80°	26.8 m		17.7-18.3 m - 0.52 oz/t Au, 0.14 oz/t Ag n.b. 0 - level 20.7-24.1 m - 0.03 oz/t Au, 0.08 oz/t Ag 29.1-30.2 m - 0.15 oz/t Au, 0.09 oz/t Ag
80-S-10/ 81-S-10	215°	-56°	383.1 m		208.8-213.4 m - Qtz vein; 208.8-211.8 m - 2.63 oz/t Au, 1.02 oz/t Ag
81-S-11	235°	-60°	233.8 m		229.8-232.9 m - Qtz. vein - 0.003 oz/t Au
84-WS-1	240°	-60°	236.8 m		211.8-214.9 m - Qtz veining, alteration 211.8-212.6 m - 0.018 oz/t Au
84-WS-2	238°	-60°	45.7 m		Abandoned in o.b.
84-WS-2A	238°	-65°	51.8 m		Abandoned in o.b.
84-WS-6	213°	-78°	216.4 m		No significant assays - should be relogged
85-07	245°	-45°	267.0 m		No significant assays - should be relogged

(continued)

DDH	DIR	INCL	LENGTH	CORE SIZE	NOTES
84-DO-10	44°	-80°	52.4 m		No significant mineralization
85-01	263°	-71°	150.0 m		No significant mineralization
85-02	273°	-70°	221.6 m		Massive to banded pyrite 3.0 m-98.5 No significant assays
85-03	270°	-45°	76.2 m		No significant mineralization
85-04	270°	-45°	26.8 m		No significant mineralization
85-05	270°	-45°	155.4 m		No significant mineralization - should be relogged. This hole is not deep enough to test major north-south Pulse EM anomaly.
85-06	270°	-80°	233.2 m		No significant mineralization - should be relogged

Visible gold was obtained by Tolbert from the '0' level adit 10m from the entrance on the footwall of the vein which is approximately 0.3m width at that point.

In 1983 J. Turner of Newmont ohtaioed a check sample from the Paxton adit which assayed 16 oz/ton Au. (Elwell and Arik 1983).

Most production seems to have been from a stope extending from the No.1 level to No.5. level, the upper part of which has caved to a glory hole. (Figure 4)

Additional production appears to have come from a stope on the No. 8 level.

Additional reserves may exist along strike from the '0' adit to the north as well as to the south from the ninth level and below the ninth level. (S.F. Kelly, 1982)

At this time however there is a distinct lack of an underground geological map showing veins, alteration zones and detailed assaying which would help direct future exploration efforts.

3T Vein

The 3T adit (Figure 8) is eaved and has not been explored in recent years though various recommendations were made to do so. The 3T vein strikes 160 degrees and dips 51 degrees east.

Commodore Vein

The Commodore adit (Figure 8 and 10) which is 17 metres long is driven on a narrow < 0.3 m fissure vein of quartz-ankerite composition with weak peripheral quartz-carbonate $\pm$ talc alteration.

This vein strikes 150 degrees and dips 45 degrees east.

Table 3 lists the diamond drilling carried out on the Commodore vein and Figure 10 shows the location of these drill holes.

Unfortunately, with the exception of the 83-B2, 83-B3 and 84-C8, 84-C9 drill holes, the exact location of each hole drilled is uncertain as they have not been surveyed nor marked in the field. Available plans show 75-A-1 and 75-A-5 in differing positions. This author has used Elwell's (1983) plan's to locate 75-A-1 and 75-A-5. (Figure 10)

Exploration has been centred around a small area approximately 60 metres east of the Commodore adit. (Figure 10)

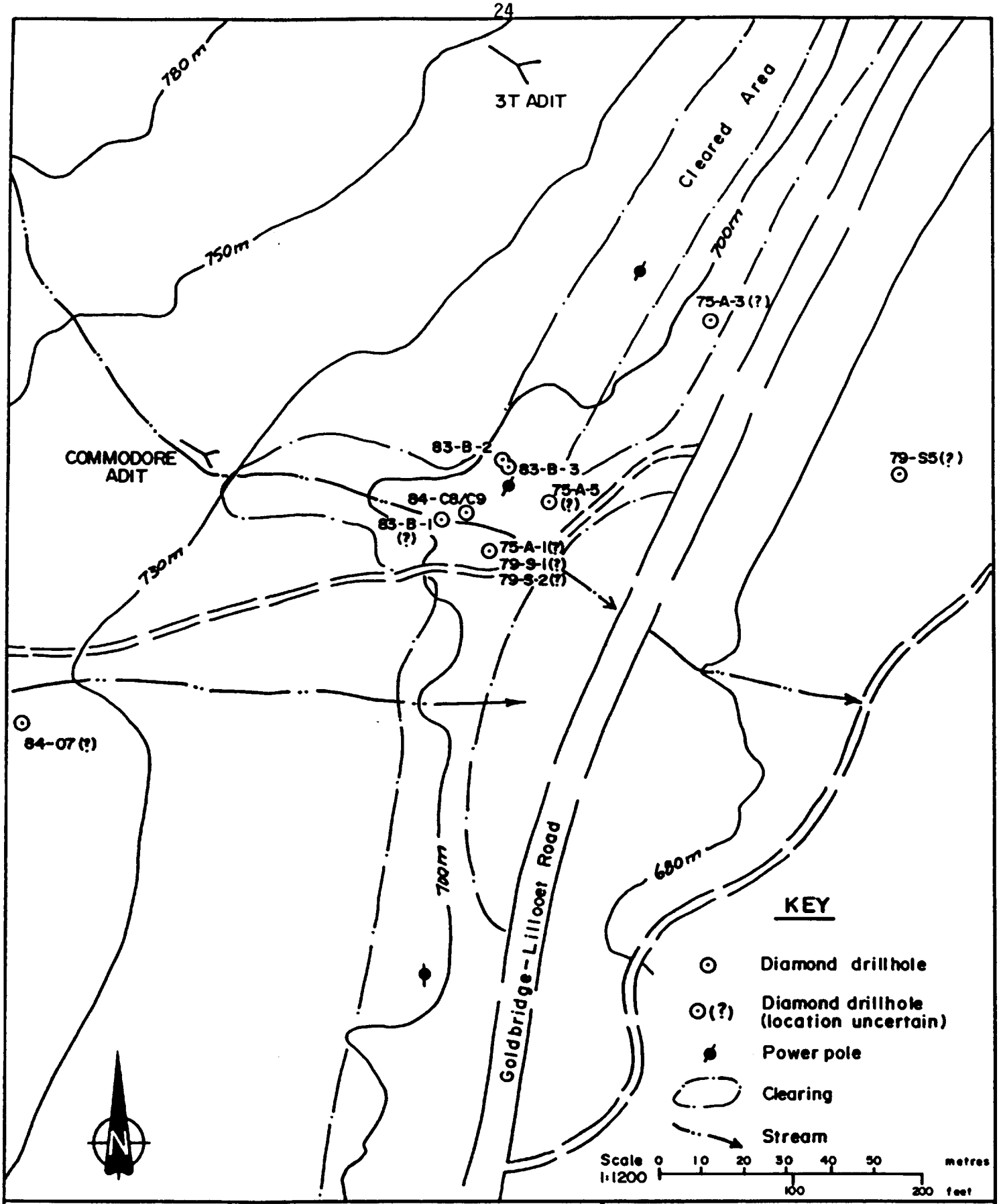
Surface sampling has obtained assays from 0.08 oz/ton Au to 9.1 oz/ton Au (Sookochoff 1984).

Similarly drilling in 1975 obtained assays of 0.95 oz/ton Au from 76-B3 in ddh 75-A1 and 19.61 oz/ton Au from 130'-133' in ddh 75-A5, whilo

TABLE 3

WAYSIDE PROPERTY SUMMARY OF SURFACE DIAMOND-DRILLING
'COMMODORE VEIN'

DDH	DIR	INCL	LENGTH	CORE SIZE	NOTES
75-A-1	230°	-74°	27.43 m		23.16-25.30 m - 0.95 oz/t Au
75-A-3	215°	-60°	39.31 m		Caved abandoned
75-A-5	220°	-70°	65.23 m		38.71-39.62 m - 0.02 oz/t Au 39.62-40.54 m - 19.61 oz/t Au
79-S-1	230°	-74°	29.56 m		26.21-27.13 m - 1.58 oz/t Au, 0.54 oz/t Ag Avg.- 24.99-27.13 m - 0.695 oz/t Au, 0.44 oz/t Ag
79-S-2	200°	-70°	28.96 m		24.84-26.21 m - 0.066 oz/t Au
79-S-3	230°	-45°			Abandoned in ob.
79-S-4	240°	-60°	232.87 m		No significant assays
79-S-5	240°	-60°	218.24 m		65.84-67.06 m - 0.012 oz/t Au, 0.06 oz/t Ag
83-B-1	270°	-55°	32.3 m		9.14-10.50 m - 0.005 oz/t Au n.b. 33% Rec. no sludge
83-B-2	240°	-55°	35.3 m		29.72-31.39 m - 0.012 oz/t Au - n.b. 66% Rec. - Core 29.56-30.78 m - 0.064 oz/t Au - sludge
83-B-3	225°	-75°	43.9 m		39.01-39.32 m - 0.018 oz/t Au - core 39.01-39.32 m - 0.022 oz/t Au - sludge
83-C-8	220°	-70°	40.84 m		No significant assays
84-C-9	270°	-47°	59.13 m		No significant assays



COMMODORE VEIN
DRILLHOLE LOCATION PLAN

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	10
Project	

drilling in 1979 obtained assays of 0.69 oz/ton Au in ddh 79-S1 and 0.06 oz/ton Au over 4.5' in ddh 79-S2.

This again seems to reflect the erratic nature of gold sampling.

Due to the limited extent of exploration it would appear that potential may exist to continue to vein along stike.

Two-Bob Vein Zone

In 1985 trenching (Figure 9) was carried out up hill from an arsenic in soil anomaly at station 1100S + 100W on the east grid (Trench 11) and located a shear zone in argillites with quartz-carbonate ± talc ± mariposite alteration. No vein was uncovered though some more silicified zones were observed adjacent to a felsite (albitite?) dyke.

One 1.5 metre sample from the west end of the shear assayed 0.058 oz/ton Au. (Morris, 1985)

An additional trench (Trench 147) was dug in deep overburden uphill and to the north but though additional alteration and shearing was observed no significant gold values were obtained. This trench appears to be to the east of the shear zone observed in Trench 11.

In 1986, after geological mapping of the above trench by Tolbert, Trench 86-5 was dug exposing a 1.83 metre (6 feet) wide sheared vein zone with anastamosing quartz-ankerite veins between argillites on its footwall and a felsite (albitite?) dyke on its hanging wall (Plate 2, Figures 11,12). The average grade over 1.83 metres (6 feet) is 0.03 oz/ton Au with 0.048 oz/ton Au over 1.1 metres (3.5 feet) (Figures 11, 12, Table 4).

Another shear zone within the argillites in the same trench with brecciated quartz-ankerite veining assayed on average 0.047 oz/ton Au over 1.2 metres (4 feet), with 0.07 oz/ton Au over 0.6 metres (2 feet). (Figure 11, 12, Table 4)

Additional trenching uphill failed to locate an extension of the sheared vein located in trench 86-5.

A biogeochemical survey has been carried out in a attempt to better define mineralized zones. (Figures 13, 14, 15,)

The reconnaissance survey of Douglas Fir from 69 locations shows anomalous gold and arsenic as well as some high though only possibly anomalous antimony to occur at a number of coincident stations.

These triple anomaly locations should be tested with trenching followed by trenching stations with coincident highly anomalous gold and arsenic as described on earlier in this report.

The mineralization in the Two Bob Vein differs from the Wayside, 3T and Commodore in that it occurs in argillites which makes it more similar to the Congress and Howard veins adjacent to the northeast. However, this

vein is also different from the Congress in that, at this level at least, no antimony is present. While the grades on the Two-Bob Vein are sub economic the values indicate that gold exists in the system and together with the gold-associated alteration characteristics of the rocks it is possible higher values exist at depth, or along strike and additional exploration is warranted.

'New Discovery' Massive Sulphide Zone

This volcanogenic massive and quartzitic sulphide horizon (Figure 7) has been described and characterized by R.J. Morris (1985) and the reader is referred to his report for details.

Since 1975 eighteen holes have been drilled to delineate 150,000 tonnes of copper-zinc mineralization with minor precious metal content occurring in greenstones of the Fergusson Series of upper Paleozoic (?) age.

E.M. and I.P. anomalies located in 1984 have been partially tested however the deposit is open to depth and along strike to the north.

Since as previously noted the deposit occurs within a highly folded and faulted area detailed structural geologic mapping should be carried out on the new topographic base and sections drawn prior to further drilling.

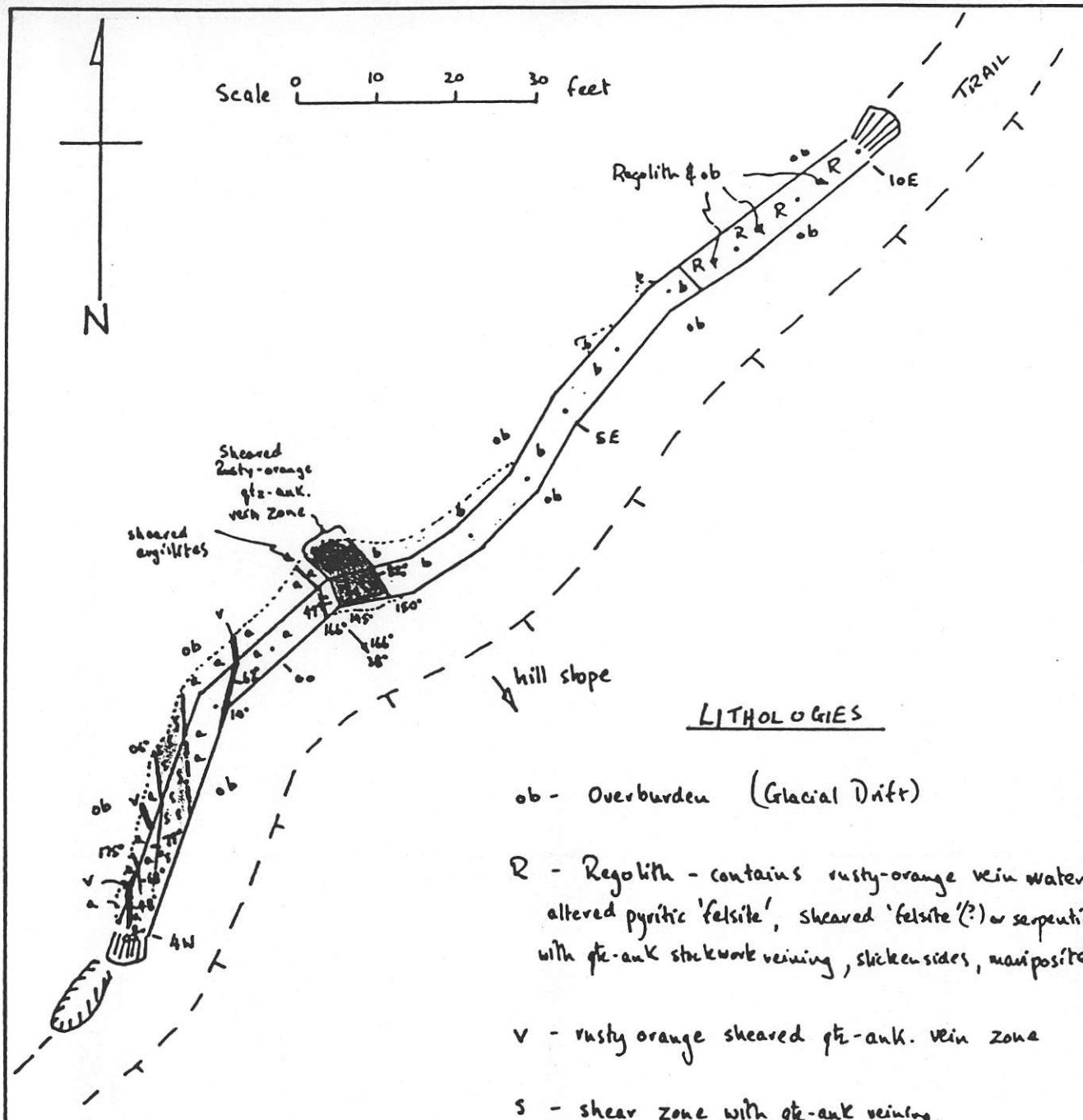
Table 5 summarizes the drilling and assays obtained on the 'New Discovery Zone'.

TABLE 4

WAYSIDE PROPERTY

TWO-BOB VEIN - TRENCH 86-5 - SAMPLE DESCRIPTION

SAMPLE NUMBER	ASSAY TAG NO.	SAMPLE TYPE	TRUE WIDTH (feet)	REMARKS	GOLD oz/t	As (ppm)	Sb (ppm)
86-5-1	04002H	Channel	0.25	Qtz-ank. vein	(<5 ppb)		
86-5-2	04003H	Channel	0.25	Qtz-ank. vein	(50 ppb)		
86-5-3	04004H	Channel	2.0	Rusty-orange stained, sheared argillite with bx. qtz-ank. veining	0.027		
86-5-4	04005H	Channel	2.0	"	0.071		
86-5-5	04006H	Channel	0.25	Qtz-ank. vein	0.006		
86-5-6	04007H	Channel	1.5	Sheared argillites F.W.	(70 ppb)		
86-5-7	04008H	Channel	2.5	Vein Zone	0.048	3500	12.4
86-5-8	04009H	Channel	3.5	Vein Zone	0.030	1500	14.4
86-5-9	04010H	Channel	0.75	H.W. gouge and listwanitized vein	0.012	500	13.4
86-5-10	04011H	Channel	0.5	H.W. Qtz-ank. vein listwanitized vein	0.014	400	4.6
86-5-11	04012H	Channel	0.25	F.W. gouge	0.036	1700	17.0
86-5-12	04013H	Channel	0.5	H.W. Qtz-ank. vein	0.012	490	6.8
86-5-12B		Grab		'felsite' dyke			
86-5-14	04014H	Channel	5.0	Regolith-rusty-orange arg. H.W. of dyke	(<5 ppb)	110	9.8
86-5-15	04015H	Channel	4.0	Rusty-orange regolith	(<5 ppb)	120	10.8
86-5-16	04016H	Channel	5.0	Rusty-orange regolith with qtz-vein pyritic 'felsite'	(20 ppb)	110	4.6



LITHOLOGIES

ob - Overburden (Glacial Drift)

R - Regolith - contains rusty-orange vein material, altered pyritic 'felsite', sheared 'felsite'(?) or serpentinite(?) with qtz-ank stockwork veining, slickensides, manganese.

v - rusty orange sheared qtz-ank. vein zone

s - shear zone with qtz-ank veining.

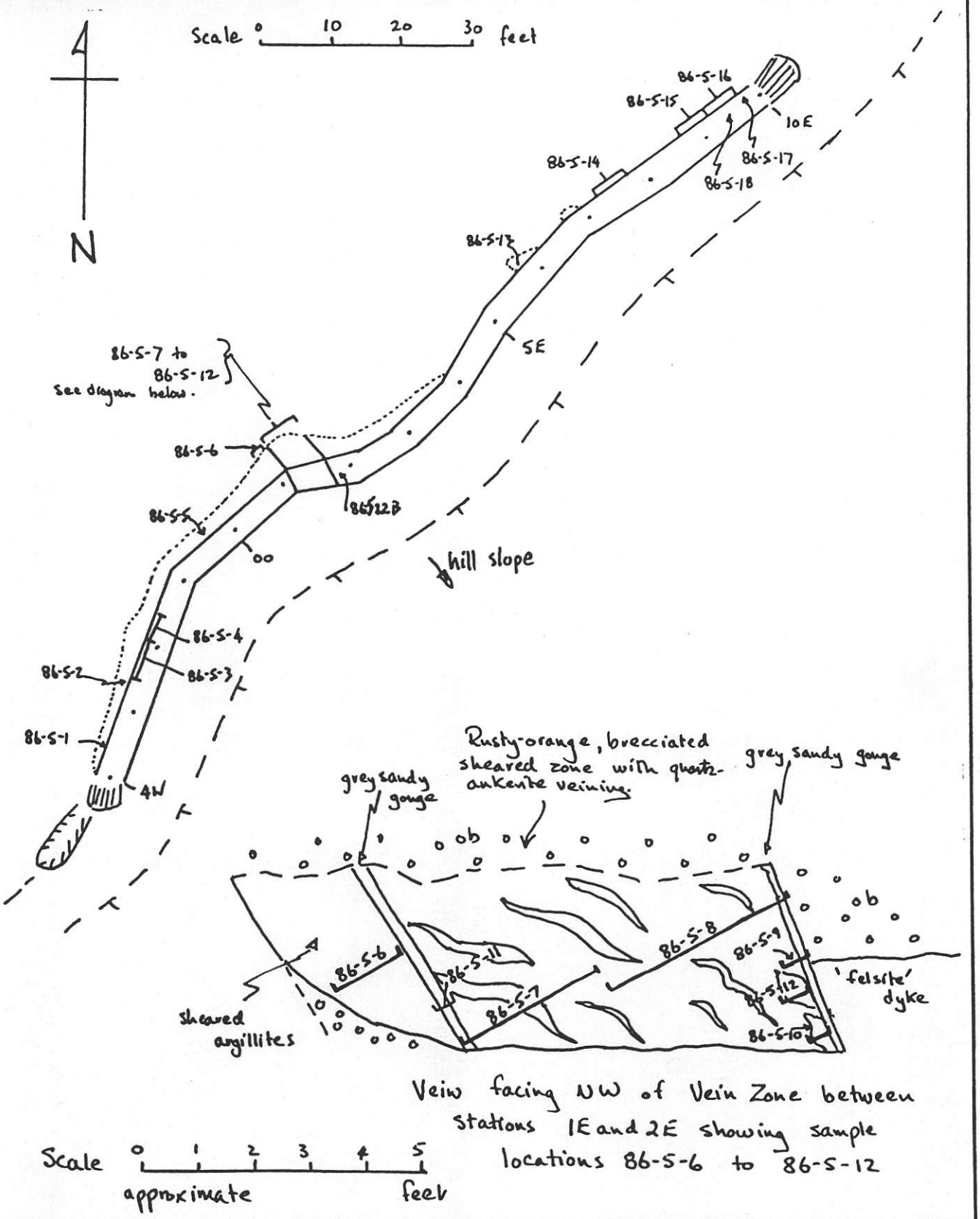
b - 'Felsite' dyke possibly rhyolite or albitite.

a - Dark grey - black argillites - facing direction uncertain.

GEOLOGY OF TRENCH 86-5

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	11
Project	



View facing NW of Vein Zone between stations 1E and 2E showing sample locations 86-5-6 to 86-5-12

ASSAY LOCATIONS TRENCH 86-5

BEACON HILL CONSULTANTS LTD.

Date	FIG. NO.
Apprvd.	12
Project	

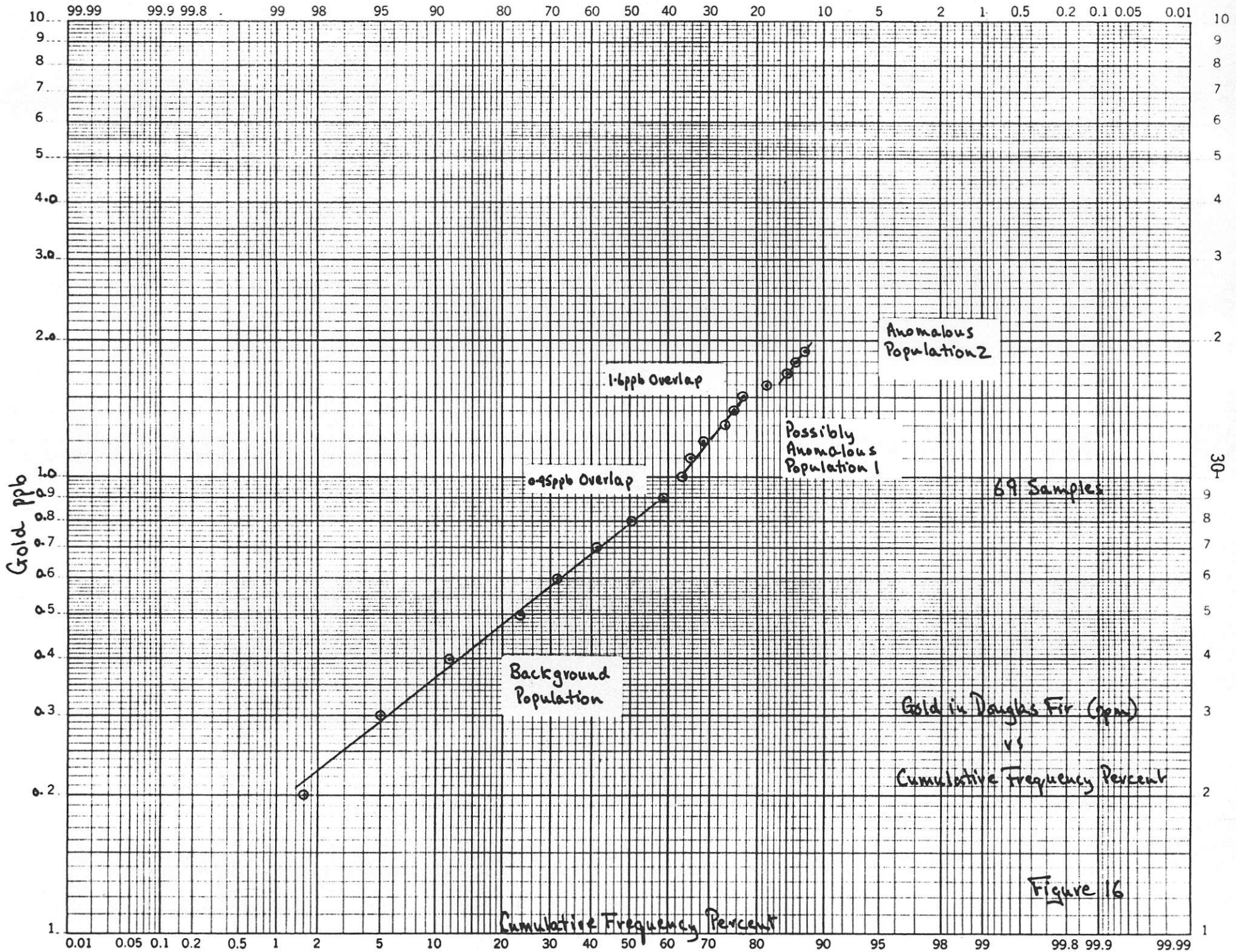
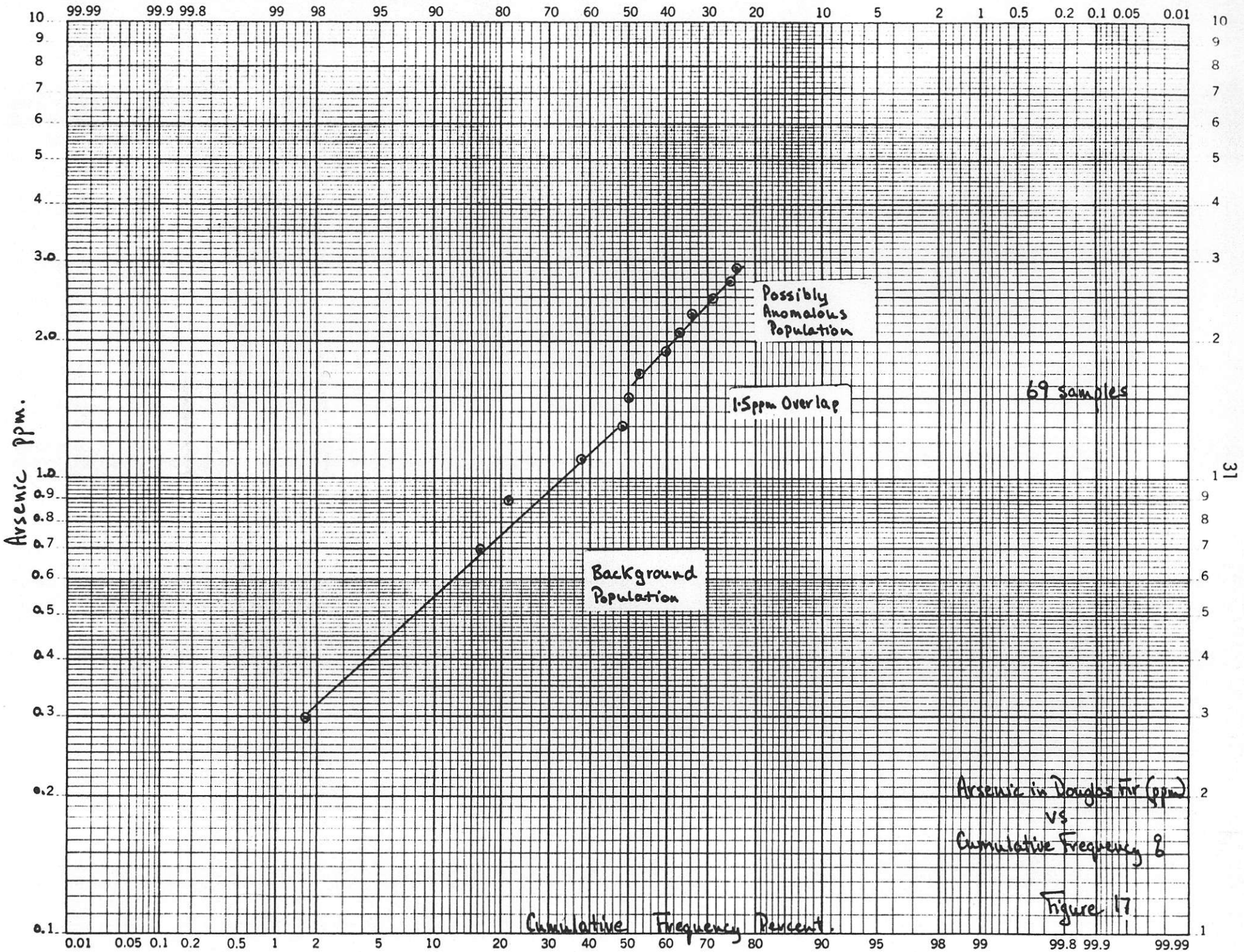

Gold ppb
Cumulative Frequency Percent
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
10 9 8 7 6 5 4.0 3.0 2.0 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 1.
1.6ppb Overlap
0.45ppb Overlap
Anomalous Population 2
Possibly Anomalous Population 1
Background Population
69 Samples
Gold in Douglas Fir (ppm)
vs
Cumulative Frequency Percent

Figure 16

KEUFFEL & ESSER CO. MADE IN U.S.A.

46 8043



Arsenic in Douglas Fir (ppm)
vs
Cumulative Frequency %

Figure 17

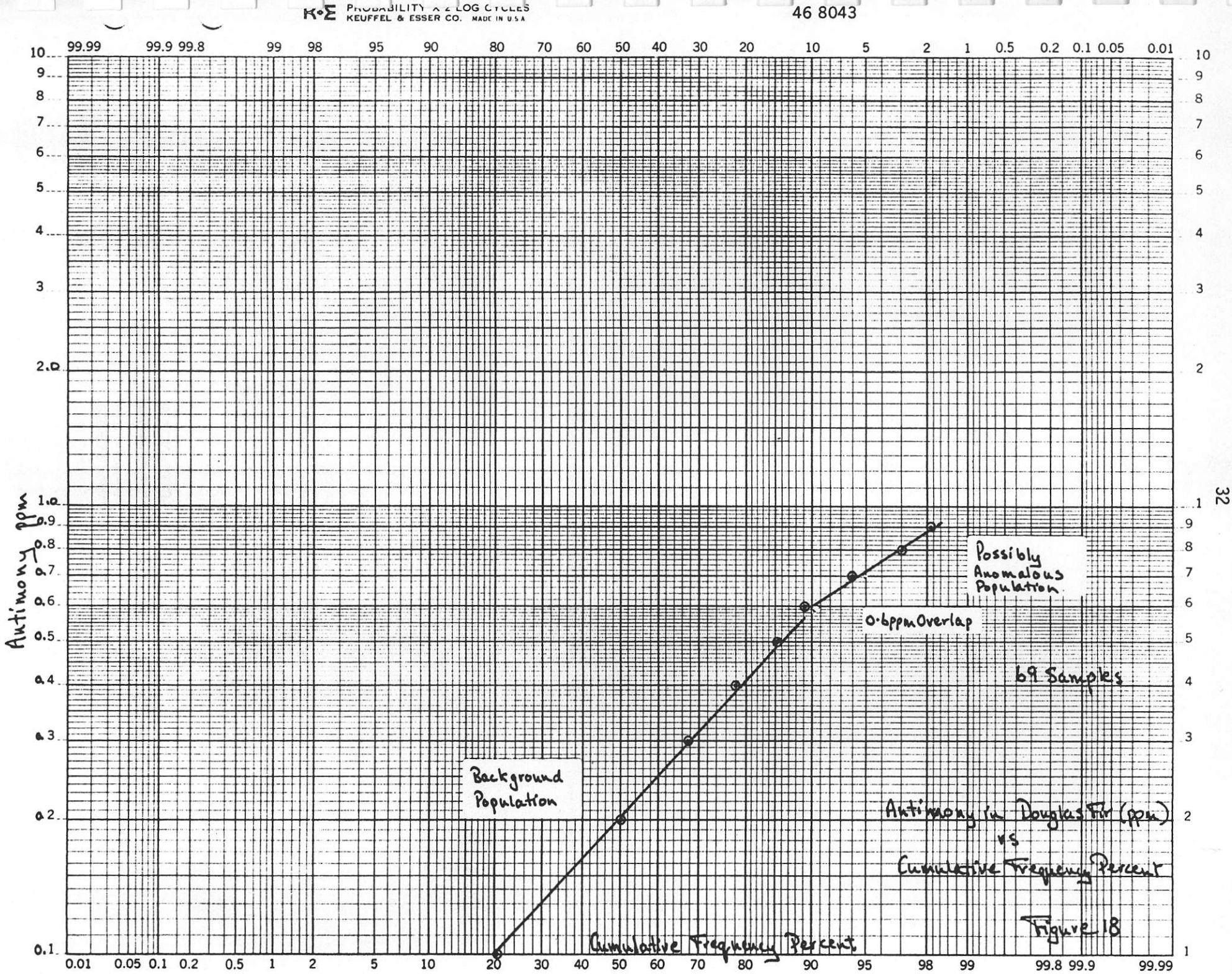

K•E PROBABILITY X 2 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 8043
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
10 9 8 7 6 5 4 3 2.0 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1
Antimony ppm
Possibly Anomalous Population
0.6ppm Overlap
69 Samples
Background Population
Antimony in Douglas Fir (ppm)
vs
Cumulative Frequency Percent
Figure 18
Cumulative Frequency Percent
0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99

TABLE 5

WAYSIDE PROPERTY SUMMARY OF SURFACE DIAMOND-DRILLING
'NEW DISCOVERY ZONE'

DDH	DIR	INCL	LENGTH	CORE SIZE	NOTES
75-A-2	225°	-55°	56.38 m		Discovery Hole
79-S-6	240°	-60°	241.1 m		188.4 m-203.6 m-0.895% Cu, 1.51% Zn, 0.19 oz/t Ag, 0.004 oz/t Au includes 193.5 m-199.9 m-1.75% Cu, 2.47% Zn, 0.32 oz/t Ag, 0.006 oz/t Au
80-S-1	240°	-60°	258.8 m		206.3 m-212.1 m-1.08% Cu, 2.03% Zn
80-S-2	240°	-60°	193.5 m		32.6 m-41.1 m-0.30% Cu, 0.11% Zn 56.4 m-65.5 m-0.21% Cu, 0.05% Zn
80-S-3	250°	-50°	223.1 m		117.7-120.1-0.04% Cu, 0.02% Zn
80-S-4	250°	-60°	239.3 m		no assays/no ore
80-S-5	240°	-50°	234.1 m		203.3 m-217.6 m-0.43% Cu, 0.55% Zn, 0.08 oz/t Ag, 0.003 oz/t Au 220.1 m-229.8 m-0.64% Cu, 1.34% Zn, 0.27 oz/t Ag, 0.003 oz/t Au
80-S-8	240°	-60°	305.1 m		248.1 m-253.3 m-0.98% Cu, 0.46% Zn
80-S-9	240°	-60°	300.8 m		No significant mineralization
84-D-3	000°	-90°	447.7 m		Massive to disseminated sulphides 95.0-95.5, 203.5-212.7, 234.2-237.7, 248.6-253.7, 259.7-260.0 m 203.5-210.3 m-0.88% Cu, 2.05% Zn, 0.56 oz/t Ag, 0.008 oz/t Au 211.2-213.5 m-0.37% Cu, 2.31% Zn, 0.20 oz/t Ag, 0.002 oz/t Au
84-D-4	55°	-61°	228.6 m		No significant mineralization
84-D-5	240°	-70°	294.7 m		265.9-266.4 m-1.51% Cu, 0.24% Zn, 0.06 oz/t Ag, 0.001 oz/t Au 267.3-268.2 m-0.46% Cu, 0.28% Zn, 0.02 oz/t Ag, 0.001 oz/t Au
84-P-7	225°	-50°	124.0 m		No significant mineralization

GEOPHYSICS

August 1981, Geotronics Survey Ltd., Geophysical Report on I.P. and S.P.

- 6 lines, five at 45m apart one at 76 m trending at 60 degrees true over 'New Discovory Zone'.

- Line 2S + 00 at approximately ddh 76-S6

  - a) Self potential Survey.

  - b) I.P. Survey - Frequency domain, dipole-dipole array with 30m + n dipole length.

Results a) S.P. anomaly centered over collar of 80-S8 which coincidentally has high ground water flow, possibly causing anomaly

b) Three I.P. anomalies A, A' and B with low resistivity and high P.F.E. (Frequency Effect)

- Anomaly A correlates well with trend of massive sulphides of 'New Discovery Zone'.

- Anomaly A' appears to be within diorite as later mapped by Morris (1985). 84-04 may have been drilled in an attempt to explain the north end of this anomaly.

- Anomaly B appears to be underlain by cherts and two drill-holes 85-03 and 85-04 were unsuccessful in explaining this anomaly.

May 28, 1984 Geotronics Surveys Ltd., D.G. Mark, Letter and map of Seismic Refraction Survey on Wayside Property.

Results

1,150 foot line at 145 degrees directioo from dump showed overburden depth to be from 70 feet to 360 feet depth.

October 3, 1984, Glen E.White, Downhole Eleotromagnetic Logging and Time Domain Electromagnetic Survey.

- Downhole E.M. logging of d.d.h 84-03

- Time domain E.M. survey using Crone Pulse E.M. system over 'West Grid' (figure 9) on east-west trending lines.

- The powerline running north-south parallel to the Lillooet Goldbridge road and over the 'New Discovery Zone' interferes with the survey in this area, however 4 north-south anomolies were detected at west end of grids. The major 10 line anomaly in part appears to coincide with the western contact of a diorite intrusive as mapped by Morris (1985).

October 1, October 26, November 27, 1984

Geotronics Surveys Ltd., Map of V.L.F.-E.M. Survey on East Grid Wayside Property by Z. Szybinski.

Results

Contoured map of Frazer Filter results of V.L.F.E.M. survey using the Seattle Transmitter shows 3 anomalies.

1)1000S + 20W northeast to 900S + 40E

2)600S + 220E northeast to 500S + 240E

3)950S + 80E northeast to 800S + 180E

Arsenic in soil anomalies are associated with E.M. anomalies 1) and 2).

Attempts to trench anomaly 1) has failed in penetrating overburden. Anomalies 2) and 3) have not been tested.

August 19, 1985, Geotronics Surveys Ltd., Letter on I.P.-Resistivity Testing East side of Carpenter Lake.

- Two test lines over dowsing anomalies ran along road southeast side of Carpenter Lake using time domain with 30 m + n dipole separation.

Results

Minor anomaly on Test Line 1.

Two strong anomalies on Test Line 2 close to Fergusson Eault.

These anomalies have not been tested.

GEOCHEMISTRY

October 1983 - E. Ostensoe and R.H. Seraphim.

- 100 m baseline 315 degrees True; 00+00 at powerpole beside ddh's 83-B2/B3 on Commodore Vein.

- Lines 50 to 100 metres apart on lines at 45 degrees true; 15m spaced samples - 282 soil samples of B horizon.

- detection limit 10 ppb - thirty-eight 10 ppb to 28 ppm values one 620 ppb value from level 1 dump.

NOTE: These lines do not appear to be placed in a good position to trace the strike extension of the Commodore vein as they are run to the northeast of it.

1984? - Soil Sampling along roads and logging trails north side of lake.

1984? - Soil Sampling along East Grid

1985 - Soil sampling along road on southeast of lake Z.A. Szybinski.

August 1986 - R.S. Tolbert Biogeochemical Survey of Douglas Fir, Wayside Property.

The Two-Bob vein was discovered by trenching uphill from an arsenic in soil anomaly.

Mapping and sampling of the vein by Tolbert (1986) (Figures 11,12) resulted in:

- discovering elevated gold (up to 0.07 oz/t Au) and arsenic (up to 3500 ppm) in a sheared vein zone.

- observation that the soil cover in places could be over 20 feet.

- observation that:

  a) the sheared vein zone was extremely moist compared to surrounding rocks

  b) plant roots extend down 10 feet into the vein zone.

As a result of this work an experimental biogeochemical survey was run over the area to determine the feasibility of this method in tracing veins on the property (Figures 13, 14, 15).

METHOD

Survey lines tied into the existing 'East Grid' in the area of Trench 86-5 (Figure 13) were spaced at 20 metres, except for line 950S and 920S, and run in an east-west direction.

The trees growing in the survey area are Douglas Fir and Ponderosa Pine with Poplars and Birch growing in logged areas. Unfortunately the area has been selectively logged and samples were unable to be obtained over parts of the key area.

Being the more common species Douglas Fir was chosen as the sample medium. Samples were taken where they could be obtained close to or on the surveyed lines (Figures 13, 14, 15). As it turned out 20 metres is a reasonable sample spacing. In order to eliminate local variation of elements within samples, five years growth of branch was taken back from the tip of each branch sampled. Sufficient samples were taken from around each tree sampled to fill a 12" x 18" bag. The samples were then sealed.

A total of 69 samples were collected in this survey.

Analysis

The samples were sent to Chemex Labs Ltd., in North Vancouver where they were individually mulched and mixed. A 10 gm sample was then taken from each sample and pressed into a pellet and then analyzed by Neutron Activation method for gold, arsenic, antimony, bromine, anthanium, tantalum thorium and uranium. The results are presented in Appendix I.

The first three elements-gold, arsenic and antimony are useful in gold exploration in this area.

Results

Gold

Examination of the population distribution (Figure 16) shows possibly anomalous populations at > 0.95 ppb Au and > 1.6 ppb Au. Contouring the results (Figure 13) shows an anomalous gold area extending downhill from Trench 86-5.

Arsenic

The population distribution (Figure 17) shows a good 'break' and possible anomalous population > 1.5 ppm As.

Arsenic (Figure 14) correlates well with the anomalous gold areas, except to the north of Trench 86-6.

Antimony

The antimony values may belong to one population through a possible 'break' may occur at 0.6 ppm Sb (Figure 18). Contouring the results (Figure 15) at 0.6 ppm Sb shows a possibly anomalous area to be coincident with areas anomalous in both gold and arsenic in Douglas Fir (Figures 13,14).

CONCLUSIONS

The Wayside property has been explored over a number of years with exploration being somewhat spasmodic and unsystematic. This has resulted in certain areas receiving a considerable amount of attention and money while the majority of the property has been left unexplored.

Adjacent properties in recent years, by taking a systematic approach to the exploration and utilizing the appropriate expleration techniques applicable to the area, have obtained significant results.

The exploration results compiled in this report indicate erratic gold values in the identified vein structures. Some very high values have been obtained with adjacent areas indicating lew values. This is not unusual for this type of deposit.

The area investigated to date on the Wayside property is relatively small compared to the claim area available. It is not unreasonable to expect that the vein structures identified to date could extend to the north west to the Lake claims and also southeast towards Carpenter Lake and the Wayside Extension claims.

The conclusions to be drawn from the data compiled in this report are that the Wayside property is worthy of further exploration and has a high potential of providing the necessary geological reservos to provido the basis for mining activities.

RECOMMENDATIONS

It is recommended that an exploration program be established, commencing in the spring of 1987 to further explore the Wayside property.

It is recommended that this program commence with extensive geological mapping and bio-geochemical work to establish a firm foundation for geophysical investigations and trenching.

Upon completion of the above work is suggested that drilling occur on selected targets and it is expected that this would consist of approximately 5000 ft.

It is expected that the cost of such a program would approximate to $300,000.00.

It can be expected that this program would identify sufficient data/reserves to provide a basis for further exploration, undergruond proving of reserves and finally an operating mine.

CHRONOLOGICAL BIBLIOGRAPHY

B.C.Min. of Mines, Annual Report 1927: Wayside Property p. 216.

Cairnes, C.E., 1937; G.S.C. Memoir 213.

Cairnes, C.E., 1938; G.S.C. Map 430A.

Kelly, S.F., Feb. 1972; Updating Report to Dawson Range Mines Property.

Lammle, C.A.R., Nov. 1974; Preliminary Geological Report, Wayside Mine Property.

Elwell, J.P., Jan. 1980; Report on the Exploration of the Wayside Property.

Elwell, J.P., Dec. 1980; Report on the Exploration of the Wayside Property.

Geotronics Surveys Ltd., Aug. 1981; Geophysical Report on I.P.and S.P.

Elwell, J.P., Feb. 1982; Exploration Program on the Wayside Property.

Turner, T., Sept. 1982; Geology of the Bridge River Mining Camp.

Elwell, J.P., Arik, H.A., Feb. 1983; Summary Report on the Wayside Property.

Seraphim, R.H., Ostensoe, E., Oct. 1983; Progress Report, Wayside Mine Property.

Ostensoe, E., Seraphim, R.H., Jan. 1984; Report on Diamond Drilling of Commodore Vein, Wayside Claims.

Sookochoff, L., May, 1984; Summary Report with Recommendations for Exploration for Amazon Petroleum Corp Ltd., on the Wayside Property.

White, G.E., Oct. 1984; Downhole Electromagnetic Logging and Time Domain Electromagnetic Survey-Wayside Project.

Arik, A.H., November 15, 1984, Assessment Report-Diamond Drill Program Wayside Property.

Ostensoe, E., Seraphim, R.H., Nov. 30 1984; Diamond Drilling-Commodore Vein, Wayside Property.

Morris, R.J., Aug. 16, 1985; Geological Geochemical and Drilling Assessment Report, Wayside Property.

Geotronics Surveys Ltd., May 28, 1984; Seismic Refraction Survey, Wayside Property.

Geotronics Surveys Ltd., October-November, 1984; V.L.F., E.M. Survey and Arsenic in Soil Survey, 1:1200 Scale. (2 maps)

Geotronics Surveys Ltd., Aug. 19, 1985; I.P.Resistivity Testing-East Side of Carpenter Lake, Wayside Mine Property.

Kashkai, M.A., Allakhverdiev, I., 1965; Listwanites Their Origin and Classification (U.S.G.S. Translation by B.Vitaliano, January 1982)

APPENDIX I

ASSAY RESULTS OF BIOGEOCHEMICAL SURVEY

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : BEACON HILL CONSULTANTS

10771 ARGENTIA DR.
RICHMOND, B.C.
V7E 4K6

CC: R. S. TOLBERT

** CERT. # : A8616410-001-A
INVOICE # : I8616410
DATE : 5-SEP-86
P.O. # : NONE

Sample description	Prep code	Au NAA ppb bio	Sb NAA ppm bio	As NAA ppm bio	Br NAA ppm bio	La NAA ppm bio	Ta NAA ppm bio
900S + 20E	237	1.6	0.37	2.13	0.9	0.3	<0.2
900S + 40E	237	1.7	0.43	2.01	1.1	0.4	<0.2
900S + 80E	237	1.0	0.32	1.64	0.7	0.2	<0.2
910S + 00W	237	2.8	0.59	7.83	1.2	0.4	<0.2
910S + 80W	237	0.7	0.24	2.27	0.9	0.1	<0.2
920S + 100W	237	0.4	0.18	1.81	0.8	<0.1	<0.2
920S + 110W	237	0.5	0.36	34.35	1.1	<0.1	<0.2
920S + 130W	237	0.3	0.26	10.70	1.0	0.1	<0.2
920S + 140W	237	0.7	0.24	2.08	1.1	0.1	<0.2
920S + 150W	237	1.0	0.29	1.14	0.9	0.2	<0.2
920S + 170W	237	0.8	0.36	1.15	0.9	0.2	<0.2
920S + 190W	237	1.3	0.25	2.13	1.1	0.2	<0.2
930S + 00W	237	1.0	0.41	1.24	1.6	0.3	<0.2
950S + 85W	237	0.9	0.34	1.04	1.1	0.2	<0.2
950S + 110W	237	0.8	0.46	1.94	2.1	0.2	<0.2
950S + 130W	237	0.8	0.24	5.24	1.2	0.2	<0.2
950S + 150W	237	0.5	0.11	0.68	0.6	<0.1	<0.2
950S + 180W	237	0.5	0.22	0.71	0.9	0.1	<0.2
950S + 200W	237	0.4	0.20	0.96	1.1	0.1	<0.2
950S + 225W	237	0.5	0.17	2.77	0.6	0.1	<0.2
975S + 00W	237	2.4	0.62	2.12	1.1	0.5	<0.2
1000S + 20W	237	1.3	0.18	1.78	0.6	<0.1	<0.2
1000S + 100W	237	0.6	0.26	1.05	0.6	0.2	<0.2
1000S + 125W	237	0.4	0.21	1.40	0.5	0.1	<0.2
1000S + 130W	237	0.8	0.37	1.39	0.7	0.2	<0.2
1000S + 145W	237	0.3	0.14	0.62	0.9	0.1	<0.2
1000S + 160W	237	0.5	0.16	0.79	0.7	0.1	<0.2
1000S + 180W	237	0.7	0.14	0.62	0.9	<0.1	<0.2
1000S + 200W	237	0.5	0.15	1.17	0.5	0.1	<0.2
1000S + 220W	237	0.6	0.18	0.66	0.4	0.1	<0.2
1020S + 100W	237	0.5	0.16	6.90	0.5	<0.1	<0.2
1020S + 115W	237	0.7	0.24	1.01	0.5	0.1	<0.2
1020S + 130W	237	0.8	0.23	1.03	0.6	0.1	<0.2
1020S + 155W	237	0.6	0.41	0.83	1.4	0.2	<0.2
1020S + 170W	237	0.6	0.33	0.69	1.3	0.2	<0.2
1040S + 60W	237	1.1	0.36	1.54	0.7	0.2	<0.2
1040S + 120W	237	0.4	0.25	1.21	0.4	0.1	<0.2
1040S + 130W	237	1.0	0.06	0.38	0.6	<0.1	<0.2
1040S + 140W	237	1.2	0.32	1.29	0.7	0.2	<0.2
1040S + 160W	237	0.2	0.14	1.05	0.7	0.2	<0.2

VOI rev. 4/85

Certified by Hart Richler

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : BEACON HILL CONSULTANTS

10771 ARGENTIA DR.
RICHMOND, B.C.
V7E 4K6

CC: R. S. TOLBERT

** CERT. # : A8616410-001-B
INVOICE # : I8616410
DATE : 5-SEP-86
P.O. # : NONE

Sample description	Prep code	Th NAA ppm bio	U NAA ppm bio				
900S + 20E	237	0.05	<0.05	--	--	--	--
900S + 40E	237	0.06	<0.05	--	--	--	--
900S + 80E	237	<0.05	<0.05	--	--	--	--
910S + 00W	237	0.08	<0.05	--	--	--	--
910S + 80W	237	<0.05	<0.05	--	--	--	--
920S + 100W	237	<0.05	<0.05	--	--	--	--
920S + 110W	237	<0.05	<0.05	--	--	--	--
920S + 130W	237	<0.05	<0.05	--	--	--	--
920S + 140W	237	<0.05	<0.05	--	--	--	--
920S + 150W	237	0.06	<0.05	--	--	--	--
920S + 170W	237	<0.05	<0.05	--	--	--	--
920S + 190W	237	<0.05	<0.05	--	--	--	--
930S + 00W	237	<0.05	<0.05	--	--	--	--
950S + 85W	237	<0.05	<0.05	--	--	--	--
950S + 110W	237	<0.05	<0.05	--	--	--	--
950S + 130W	237	<0.05	<0.05	--	--	--	--
950S + 150W	237	<0.05	<0.05	--	--	--	--
950S + 180W	237	<0.05	<0.05	--	--	--	--
950S + 200W	237	<0.05	<0.05	--	--	--	--
950S + 225W	237	<0.05	<0.05	--	--	--	--
975S + 00W	237	0.07	<0.05	--	--	--	--
1000S + 20W	237	<0.05	<0.05	--	--	--	--
1000S + 100W	237	<0.05	<0.05	--	--	--	--
1000S + 125W	237	<0.05	<0.05	--	--	--	--
1000S + 130W	237	0.05	<0.05	--	--	--	--
1000S + 145W	237	<0.05	<0.05	--	--	--	--
1000S + 160W	237	<0.05	<0.05	--	--	--	--
1000S + 180W	237	<0.05	<0.05	--	--	--	--
1000S + 200W	237	<0.05	<0.05	--	--	--	--
1000S + 220W	237	<0.05	<0.05	--	--	--	--
1020S + 100W	237	<0.05	<0.05	--	--	--	--
1020S + 115W	237	<0.05	<0.05	--	--	--	--
1020S + 130W	237	<0.05	<0.05	--	--	--	--
1020S + 155W	237	<0.05	<0.05	--	--	--	--
1020S + 170W	237	<0.05	<0.05	--	--	--	--
1040S + 60W	237	0.05	<0.05	--	--	--	--
1040S + 120W	237	<0.05	<0.05	--	--	--	--
1040S + 130W	237	<0.05	<0.05	--	--	--	--
1040S + 140W	237	<0.05	<0.05	--	--	--	--
1040S + 160W	237	<0.05	<0.05	--	--	--	--

VOI rev. 4/85

Certified by Hart Bichler

Chemex Labs Ltd.

Analytical Chemists • *Geochemists* • *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : BEACON HILL CONSULTANTS

10771 ARGENTIA DR.
RICHMOND, B.C.
V7E 4K6

CC: R. S. TOLBERT

** CERT. # : A8616410-002-A
INVOICE # : I8616410
DATE : 5-SEP-86
P.O. # : NONE

Sample description	Prep code	Au NAA ppb bio	Sb NAA ppm bio	As NAA ppm bio	Br NAA ppm bio	La NAA ppm bio	Ta NAA ppm bio
1040S + 180W	237	0.7	0.16	0.64	0.5	0.1	<0.2
1060S + 35W	237	2.3	0.48	2.59	0.8	0.2	<0.2
1060S + 50W	237	1.6	0.84	2.33	1.1	0.4	<0.2
1060S + 60W	237	1.5	0.29	1.11	0.6	0.1	<0.2
1060S + 130W	237	1.9	0.20	1.21	0.5	<0.1	<0.2
1060S + 150W	237	1.6	0.23	1.35	0.5	0.1	<0.2
1060S + 170W	237	2.3	0.28	0.94	0.4	0.2	<0.2
1070S + 85W	237	0.9	0.32	1.96	0.6	0.1	<0.2
1080S + 40W	237	2.5	0.88	3.03	1.2	0.3	<0.2
1080S + 120W	237	0.7	0.37	2.42	0.7	0.1	<0.2
1080S + 130W	237	1.7	0.51	1.77	0.8	0.1	<0.2
1090S + 60W	237	1.2	1.25	3.66	1.9	0.4	<0.2
1100S + 00W	237	1.3	0.61	2.62	1.1	0.2	<0.2
1100S + 20W	237	3.9	0.50	4.42	1.0	0.2	<0.2
1100S + 40W	237	0.9	0.63	2.37	0.8	0.2	<0.2
1100S + 70W	237	0.6	0.42	10.56	0.8	0.1	<0.2
1100S + 95W	237	1.6	0.50	9.21	0.8	0.1	<0.2
1100S + 110W	237	1.6	0.77	7.04	1.0	0.3	<0.2
1100S + 135W	237	2.8	0.74	1.92	0.9	0.3	<0.2
1140S + 00W	237	0.9	0.26	6.28	1.2	0.1	<0.2
1140S + 20W	237	1.4	0.45	2.54	0.7	0.1	<0.2
1140S + 40W	237	1.9	0.54	3.47	0.8	0.1	<0.2
1140S + 70W	237	0.9	0.74	7.31	0.8	0.2	<0.2
1140S + 95W	237	1.7	1.38	5.60	1.4	0.5	<0.2
1140S + 110W	237	4.1	2.57	4.91	2.3	0.9	<0.2
1140S + 130W	237	2.1	0.92	6.01	1.1	0.4	<0.2
R R 1	237	3.3	0.27	0.83	0.6	0.2	<0.2
R R 2	237	0.7	0.12	0.79	0.6	<0.1	<0.2

VOI rev. 4/85

Certified by Hart Bichler

Chemex Labs Ltd.

Analytical Chemists · Geochemists · Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : BEACON HILL CONSULTANTS

10771 ARGENTIA DR.
RICHMOND, B.C.
V7E 4K6

CC: R. S. TOLBERT

** CERT. # : A8616410-002-B
INVOICE # : I8616410
DATE : 5-SEP-86
P.O. # : NONE

Sample description	Prep code	Th NAA ppm bio	U NAA ppm bio				
1040S + 180W	237	<0.05	<0.05	--	--	--	--
1060S + 35W	237	<0.05	<0.05	--	--	--	--
1060S + 50W	237	<0.05	<0.05	--	--	--	--
1060S + 60W	237	<0.05	<0.05	--	--	--	--
1060S + 130W	237	<0.05	<0.05	--	--	--	--
1060S + 150W	237	<0.05	<0.05	--	--	--	--
1060S + 170W	237	<0.05	<0.05	--	--	--	--
1070S + 85W	237	<0.05	<0.05	--	--	--	--
1080S + 40W	237	<0.05	<0.05	--	--	--	--
1080S + 120W	237	<0.05	<0.05	--	--	--	--
1080S + 130W	237	<0.05	<0.05	--	--	--	--
1090S + 60W	237	<0.05	<0.05	--	--	--	--
1100S + 00W	237	<0.05	<0.05	--	--	--	--
1100S + 20W	237	<0.05	<0.05	--	--	--	--
1100S + 40W	237	<0.05	<0.05	--	--	--	--
1100S + 70W	237	<0.05	<0.05	--	--	--	--
1100S + 95W	237	<0.05	<0.05	--	--	--	--
1100S + 110W	237	<0.05	<0.05	--	--	--	--
1100S + 135W	237	<0.05	<0.05	--	--	--	--
1140S + 00W	237	<0.05	<0.05	--	--	--	--
1140S + 20W	237	<0.05	<0.05	--	--	--	--
1140S + 40W	237	<0.05	<0.05	--	--	--	--
1140S + 70W	237	<0.05	<0.05	--	--	--	--
1140S + 95W	237	<0.05	<0.05	--	--	--	--
1140S + 110W	237	<0.05	0.07	--	--	--	--
1140S + 130W	237	<0.05	<0.05	--	--	--	--
R R 1	237	<0.05	<0.05	--	--	--	--
R R 2	237	<0.05	<0.05	--	--	--	--

VOI rev. 4/85

Certified by Hart Bichler

APPENDIX II

LIST OF DIAMOND DRILL-HOLES STORED AT THE WAYSIDE PROPERTY, GOLDBRIDGE, B.C.

D.D.H.	LOCATION	CORE SIZE	REMARKS
Hole 5	0	AQ	?
Hole 6	0	AQ	?
DDH 11	0	AQ	?
79-S-6	0	AQ	Incomplete MSU sulphides missing
80-S-2	0	AQ	" "
80-S-8	0	AQ	" "
80-S-9	0	AQ	
80-S-10	0	AQ	
84-C-8	L		
84-C-9	L		
84-WS-1	S		
84-D-3	S		
84-D-4	S		
84-D-5	L		
84-D-7	L		
84-D-10	L		
84-D-11	L		
85-01	L	NQ	
85-02	L	NQ	
85-03	L	NQ	
85-04	L	NQ	

85-05	L	NQ	
85-D-5	S	NQ	Continuation of 85-05
85-06	L	NQ	
85-D-6	S	NQ	Continuation of 85-06

n.b. O - Open core shack near lakeside down trail from ddh 79-S-6

L - Large core shack (locked) near Wayside No. 5 adit

S - Small core shack (locked) near Wayside No. 5 adit

This report has been prepared by:

W.P. STOKES, P.Eng.

and

R.S. TOLBERT

9000 E
9500 E
10000 E
10500 E
11000 N
10500 N
10000 N
9500 N
9000 N
8500 N
8000 N
Dec.n 25½° E
N
B
A
PAXTON ADIT
2792.7
Poorly ribboned, fractured quartz - siderite fissure vein
"O" ADIT
2731.3
finely ribboned 10" quartz vein, siderite calcite, mariposite traces cpy, py
No 1 ADIT
2647.1
initial inverted back
Shop
stoped
WAYSIDE C.G.
L. 3036 M. 57
"2 M" ADIT
2460.1
No 3 ADIT
2353.7
quartz, siderite calcite vein materials — mariposite in wall rocks
No 4 ADIT
2264.4
No 4 W ADIT
2266.3
ADIT
No 5 ADIT
2147.6
No 8 LEVEL (1923)
No 7 LEVEL (1931)
No 9 LEVEL (1735)
MINE RUINS
DUMP
EAST - DRIFT VEIN
NORMAN VEIN
albite veining
Silicast
SHAFT
CARPENTER LAKE
Full Basin Elevation 2136'
BULLDOZER TRENCHING
"3T" ADIT
2352.6
THREE-TEA VEIN
granite
albite dyke
soda
COMMODORE VEIN
ADIT
Fissure - healed by quartz & albite plus sulphides
DDH
DDH #1
DDH #2
DDH #3
DDH #4
DDH #5
DDH #6
DDH #7
DDH #8
DDH #9
DDH #10
DDH #11
DDH #12
DDH #13
DDH #14
DDH #15
DDH #16
DDH #17
DDH #18
DDH #19
DDH #20
DDH #21
DDH #22
DDH #23
DDH #24
DDH #25
DDH #26
DDH #27
DDH #28
DDH #29
DDH #30
DDH #31
DDH #32
DDH #33
DDH #34
DDH #35
DDH #36
DDH #37
DDH #38
DDH #39
DDH #40
DDH #41
DDH #42
DDH #43
DDH #44
DDH #45
DDH #46
DDH #47
DDH #48
DDH #49
DDH #50
DDH #51
DDH #52
DDH #53
DDH #54
DDH #55
DDH #56
DDH #57
DDH #58
DDH #59
DDH #60
DDH #61
DDH #62
DDH #63
DDH #64
DDH #65
DDH #66
DDH #67
DDH #68
DDH #69
DDH #70
DDH #71
DDH #72
DDH #73
DDH #74
DDH #75
DDH #76
DDH #77
DDH #78
DDH #79
DDH #80
DDH #81
DDH #82
DDH #83
DDH #84
DDH #85
DDH #86
DDH #87
DDH #88
DDH #89
DDH #90
DDH #91
DDH #92
DDH #93
DDH #94
DDH #95
DDH #96
DDH #97
DDH #98
DDH #99
DDH #100
DDH #101
DDH #102
DDH #103
DDH #104
DDH #105
DDH #106
DDH #107
DDH #108
DDH #109
DDH #110
DDH #111
DDH #112
DDH #113
DDH #114
DDH #115
DDH #116
DDH #117
DDH #118
DDH #119
DDH #120
DDH #121
DDH #122
DDH #123
DDH #124
DDH #125
DDH #126
DDH #127
DDH #128
DDH #129
DDH #130
DDH #131
DDH #132
DDH #133
DDH #134
DDH #135
DDH #136
DDH #137
DDH #138
DDH #139
DDH #140
DDH #141
DDH #142
DDH #143
DDH #144
DDH #145
DDH #146
DDH #147
DDH #148
DDH #149
DDH #150
DDH #151
DDH #152
DDH #153
DDH #154
DDH #155
DDH #156
DDH #157
DDH #158
DDH #159
DDH #160
DDH #161
DDH #162
DDH #163
DDH #164
DDH #165
DDH #166
DDH #167
DDH #168
DDH #169
DDH #170
DDH #171
DDH #172
DDH #173
DDH #174
DDH #175
DDH #176
DDH #177
DDH #178
DDH #179
DDH #180
DDH #181
DDH #182
DDH #183
DDH #184
DDH #185
DDH #186
DDH #187
DDH #188
DDH #189
DDH #190
DDH #191
DDH #192
DDH #193
DDH #194
DDH #195
DDH #196
DDH #197
DDH #198
DDH #199
DDH #200
DDH #201
DDH #202
DDH #203
DDH #204
DDH #205
DDH #206
DDH #207
DDH #208
DDH #209
DDH #210
DDH #211
DDH #212
DDH #213
DDH #214
DDH #215
DDH #216
DDH #217
DDH #218
DDH #219
DDH #220
DDH #221
DDH #222
DDH #223
DDH #224
DDH #225
DDH #226
DDH #227
DDH #228
DDH #229
DDH #230
DDH #231
DDH #232
DDH #233
DDH #234
DDH #235
DDH #236
DDH #237
DDH #238
DDH #239
DDH #240
DDH #241
DDH #242
DDH #243
DDH #244
DDH #245
DDH #246
DDH #247
DDH #248
DDH #249
DDH #250
DDH #251
DDH #252
DDH #253
DDH #254
DDH #255
DDH #256
DDH #257
DDH #258
DDH #259
DDH #260
DDH #261
DDH #262
DDH #263
DDH #264
DDH #265
DDH #266
DDH #267
DDH #268
DDH #269
DDH #270
DDH #271
DDH #272
DDH #273
DDH #274
DDH #275
DDH #276
DDH #277
DDH #278
DDH #279
DDH #280
DDH #281
DDH #282
DDH #283
DDH #284
DDH #285
DDH #286
DDH #287
DDH #288
DDH #289
DDH #290
DDH #291
DDH #292
DDH #293
DDH #294
DDH #295
DDH #296
DDH #297
DDH #298
DDH #299
DDH #300
DDH #301
DDH #302
DDH #303
DDH #304
DDH #305
DDH #306
DDH #307
DDH #308
DDH #309
DDH #310
DDH #311
DDH #312
DDH #313
DDH #314
DDH #315
DDH #316
DDH #317
DDH #318
DDH #319
DDH #320
DDH #321
DDH #322
DDH #323
DDH #324
DDH #325
DDH #326
DDH #327
DDH #328
DDH #329
DDH #330
DDH #331
DDH #332
DDH #333
DDH #334
DDH #335
DDH #336
DDH #337
DDH #338
DDH #339
DDH #340
DDH #341
DDH #342
DDH #343
DDH #344
DDH #345
DDH #346
DDH #347
DDH #348
DDH #349
DDH #350
DDH #351
DDH #352
DDH #353
DDH #354
DDH #355
DDH #356
DDH #357
DDH #358
DDH #359
DDH #360
DDH #361
DDH #362
DDH #363
DDH #364
DDH #365
DDH #366
DDH #367
DDH #368
DDH #369
DDH #370
DDH #371
DDH #372
DDH #373
DDH #374
DDH #375
DDH #376
DDH #377
DDH #378
DDH #379
DDH #380
DDH #381
DDH #382
DDH #383
DDH #384
DDH #385
DDH #386
DDH #387
DDH #388
DDH #389
DDH #390
DDH #391
DDH #392
DDH #393
DDH #394
DDH #395
DDH #396
DDH #397
DDH #398
DDH #399
DDH #400
DDH #401
DDH #402
DDH #403
DDH #404
DDH #405
DDH #406
DDH #407
DDH #408
DDH #409
DDH #410
DDH #411
DDH #412
DDH #413
DDH #414
DDH #415
DDH #416
DDH #417
DDH #418
DDH #419
DDH #420
DDH #421
DDH #422
DDH #423
DDH #424
DDH #425
DDH #426
DDH #427
DDH #428
DDH #429
DDH #430
DDH #431
DDH #432
DDH #433
DDH #434
DDH #435
DDH #436
DDH #437
DDH #438
DDH #439
DDH #440
DDH #441
DDH #442
DDH #443
DDH #444
DDH #445
DDH #446
DDH #447
DDH #448
DDH #449
DDH #450
DDH #451
DDH #452
DDH #453
DDH #454
DDH #455
DDH #456
DDH #457
DDH #458
DDH #459
DDH #460
DDH #461
DDH #462
DDH #463
DDH #464
DDH #465
DDH #466
DDH #467
DDH #468
DDH #469
DDH #470
DDH #471
DDH #472
DDH #473
DDH #474
DDH #475
DDH #476
DDH #477
DDH #478
DDH #479
DDH #480
DDH #481
DDH #482
DDH #483
DDH #484
DDH #485
DDH #486
DDH #487
DDH #488
DDH #489
DDH #490
DDH #491
DDH #492
DDH #493
DDH #494
DDH #495
DDH #496
DDH #497
DDH #498
DDH #499
DDH #500
DDH #501
DDH #502
DDH #503
DDH #504
DDH #505
DDH #506
DDH #507
DDH #508
DDH #509
DDH #510
DDH #511
DDH #512
DDH #513
DDH #514
DDH #515
DDH #516
DDH #517
DDH #518
DDH #519
DDH #520
DDH #521
DDH #522
DDH #523
DDH #524
DDH #525
DDH #526
DDH #527
DDH #528
DDH #529
DDH #530
DDH #531
DDH #532
DDH #533
DDH #534
DDH #535
DDH #536
DDH #537
DDH #538
DDH #539
DDH #540
DDH #541
DDH #542
DDH #543
DDH #544
DDH #545
DDH #546
DDH #547
DDH #548
DDH #549
DDH #550
DDH #551
DDH #552
DDH #553
DDH #554
DDH #555
DDH #556
DDH #557
DDH #558
DDH #559
DDH #560
DDH #561
DDH #562
DDH #563
DDH #564
DDH #565
DDH #566
DDH #567
DDH #568
DDH #569
DDH #570
DDH #571
DDH #572
DDH #573
DDH #574
DDH #575
DDH #576
DDH #577
DDH #578
DDH #579
DDH #580
DDH #581
DDH #582
DDH #583
DDH #584
DDH #585
DDH #586
DDH #587
DDH #588
DDH #589
DDH #590
DDH #591
DDH #592
DDH #593
DDH #594
DDH #595
DDH #596
DDH #597
DDH #598
DDH #599
DDH #600
DDH #601
DDH #602
DDH #603
DDH #604
DDH #605
DDH #606
DDH #607
DDH #608
DDH #609
DDH #610
DDH #611
DDH #612
DDH #613
DDH #614
DDH #615
DDH #616
DDH #617
DDH #618
DDH #619
DDH #620
DDH #621
DDH #622
DDH #623
DDH #624
DDH #625
DDH #626
DDH #627
DDH #628
DDH #629
DDH #630
DDH #631
DDH #632
DDH #633
DDH #634
DDH #635
DDH #636
DDH #637
DDH #638
DDH #639
DDH #640
DDH #641
DDH #642
DDH #643
DDH #644
DDH #645
DDH #646
DDH #647
DDH #648
DDH #649
DDH #650
DDH #651
DDH #652
DDH #653
DDH #654
DDH #655
DDH #656
DDH #657
DDH #658
DDH #659
DDH #660
DDH #661
DDH #662
DDH #663
DDH #664
DDH #665
DDH #666
DDH #667
DDH #668
DDH #669
DDH #670
DDH #671
DDH #672
DDH #673
DDH #674
DDH #675
DDH #676
DDH #677
DDH #678
DDH #679
DDH #680
DDH #681
DDH #682
DDH #683
DDH #684
DDH #685
DDH #686
DDH #687
DDH #688
DDH #689
DDH #690
DDH #691
DDH #692
DDH #693
DDH #694
DDH #695
DDH #696
DDH #697
DDH #698
DDH #699
DDH #700
DDH #701
DDH #702
DDH #703
DDH #704
DDH #705
DDH #706
DDH #707
DDH #708
DDH #709
DDH #710
DDH #711
DDH #712
DDH #713
DDH #714
DDH #715
DDH #716
DDH #717
DDH #718
DDH #719
DDH #720
DDH #721
DDH #722
DDH #723
DDH #724
DDH #725
DDH #726
DDH #727
DDH #728
DDH #729
DDH #730
DDH #731
DDH #732
DDH #733
DDH #734
DDH #735
DDH #736
DDH #737
DDH #738
DDH #739
DDH #740
DDH #741
DDH #742
DDH #743
DDH #744
DDH #745
DDH #746
DDH #747
DDH #748
DDH #749
DDH #750
DDH #751
DDH #752
DDH #753
DDH #754
DDH #755
DDH #756
DDH #757
DDH #758
DDH #759
DDH #760
DDH #761
DDH #762
DDH #763
DDH #764
DDH #765
DDH #766
DDH #767
DDH #768
DDH #769
DDH #770
DDH #771
DDH #772
DDH #773
DDH #774
DDH #775
DDH #776
DDH #777
DDH #778
DDH #779
DDH #780
DDH #781
DDH #782
DDH #783
DDH #784
DDH #785
DDH #786
DDH #787
DDH #788
DDH #789
DDH #790
DDH #791
DDH #792
DDH #793
DDH #794
DDH #795
DDH #796
DDH #797
DDH #798
DDH #799
DDH #800
DDH #801
DDH #802
DDH #803
DDH #804
DDH #805
DDH #806
DDH #807
DDH #808
DDH #809
DDH #810
DDH #811
DDH #812
DDH #813
DDH #814
DDH #815
DDH #816
DDH #817
DDH #818
DDH #819
DDH #820
DDH #821
DDH #822
DDH #823
DDH #824
DDH #825
DDH #826
DDH #827
DDH #828
DDH #829
DDH #830
DDH #831
DDH #832
DDH #833
DDH #834
DDH #835
DDH #836
DDH #837
DDH #838
DDH #839
DDH #840
DDH #841
DDH #842
DDH #843
DDH #844
DDH #845
DDH #846
DDH #847
DDH #848
DDH #849
DDH #850
DDH #851
DDH #852
DDH #853
DDH #854
DDH #855
DDH #856
DDH #857
DDH #858
DDH #859
DDH #860
DDH #861
DDH #862
DDH #863
DDH #864
DDH #865
DDH #866
DDH #867
DDH #868
DDH #869
DDH #870
DDH #871
DDH #872
DDH #873
DDH #874
DDH #875
DDH #876
DDH #877
DDH #878
DDH #879
DDH #880
DDH #881
DDH #882
DDH #883
DDH #884
DDH #885
DDH #886
DDH #887
DDH #888
DDH #889
DDH #890
DDH #891
DDH #892
DDH #893
DDH #894
DDH #895
DDH #896
DDH #897
DDH #898
DDH #899
DDH #900
DDH #901
DDH #902
DDH #903
DDH #904
DDH #905
DDH #906
DDH #907
DDH #908
DDH #909
DDH #910
DDH #911
DDH #912
DDH #913
DDH #914
DDH #915
DDH #916
DDH #917
DDH #918
DDH #919
DDH #920
DDH #921
DDH #922
DDH #923
DDH #924
DDH #925
DDH #926
DDH #927
DDH #928
DDH #929
DDH #930
DDH #931
DDH #932
DDH #933
DDH #934
DDH #935
DDH #936
DDH #937
DDH #938
DDH #939
DDH #940
DDH #941
DDH #942
DDH #943
DDH #944
DDH #945
DDH #946
DDH #947
DDH #948
DDH #949
DDH #950
DDH #951
DDH #952
DDH #953
DDH #954
DDH #955
DDH #956
DDH #957
DDH #958
DDH #959
DDH #960
DDH #961
DDH #962
DDH #963
DDH #964
DDH #965
DDH #966
DDH #967
DDH #968
DDH #969
DDH #970
DDH #971
DDH #972
DDH #973
DDH #974
DDH #975
DDH #976
DDH #977
DDH #978
DDH #979
DDH #980
DDH #981
DDH #982
DDH #983
DDH #984
DDH #985
DDH #986
DDH #987
DDH #988
DDH #989
DDH #990
DDH #991
DDH #992
DDH #993
DDH #994
DDH #995
DDH #996
DDH #997
DDH #998
DDH #999
DDH #1000
DDH #1001
DDH #1002
DDH #1003
DDH #1004
DDH #1005
DDH #1006
DDH #1007
DDH #1008
DDH #1009
DDH #1010
DDH #1011
DDH #1012
DDH #1013
DDH #1014
DDH #1015
DDH #1016
DDH #1017
DDH #1018
DDH #1019
DDH #1020
DDH #1021
DDH #1022
DDH #1023
DDH #1024
DDH #1025
DDH #1026
DDH #1027
DDH #1028
DDH #1029
DDH #1030
DDH #1031
DDH #1032
DDH #1033
DDH #1034
DDH #1035
DDH #1036
DDH #1037
DDH #1038
DDH #1039
DDH #1040
DDH #1041
DDH #1042
DDH #1043
DDH #1044
DDH #1045
DDH #1046
DDH #1047
DDH #1048
DDH #1049
DDH #1050
DDH #1051
DDH #1052
DDH #1053
DDH #1054
DDH #1055
DDH #1056
DDH #1057
DDH #1058
DDH #1059
DDH #1060
DDH #1061
DDH #1062
DDH #1063
DDH #1064
DDH #1065
DDH #1066
DDH #1067
DDH #1068
DDH #1069
DDH #1070
DDH #1071
DDH #1072
DDH #1073
DDH #1074
DDH #1075
DDH #1076
DDH #1077
DDH #1078
DDH #1079
DDH #1080
DDH #1081
DDH #1082
DDH #1083
DDH #1084
DDH #1085
DDH #1086
DDH #1087
DDH #1088
DDH #1089
DDH #1090
DDH #1091
DDH #1092
DDH #1093
DDH #1094
DDH #1095
DDH #1096
DDH #1097
DDH #1098
DDH #1099
DDH #1100
DDH #1101
DDH #1102
DDH #1103
DDH #1104
DDH #1105
DDH #1106
DDH #1107
DDH #1108
DDH #1109
DDH #1110
DDH #1111
DDH #1112
DDH #1113
DDH #1114
DDH #1115
DDH #1116
DDH #1117
DDH #1118
DDH #1119
DDH #1120
DDH #1121
DDH #1122
DDH #1123
DDH #1124
DDH #1125
DDH #1126
DDH #1127
DDH #1128
DDH #1129
DDH #1130
DDH #1131
DDH #1132
DDH #1133
DDH #1134
DDH #1135
DDH #1136
DDH #1137
DDH #1138
DDH #1139
DDH #1140
DDH #1141
DDH #1142
DDH #1143
DDH #1144
DDH #1145
DDH #1146
DDH #1147
DDH #1148
DDH #1149
DDH #1150
DDH #1151
DDH #1152
DDH #1153
DDH #1154
DDH #1155
DDH #1156
DDH #1157
DDH #1158
DDH #1159
DDH #1160
DDH #1161
DDH #1162
DDH #1163
DDH #1164
DDH #1165
DDH #1166
DDH #1167
DDH #1168
DDH #1169
DDH #1170
DDH #1171
DDH #1172
DDH #1173
DDH #1174
DDH #1175
DDH #1176
DDH #1177
DDH #1178
DDH #1179
DDH #1180
DDH #1181
DDH #1182
DDH #1183
DDH #1184
DDH #1185
DDH #1186
DDH #1187
DDH #1188
DDH #1189
DDH #1190
DDH #1191
DDH #1192
DDH #1193
DDH #1194
DDH #1195
DDH #1196
DDH #1197
DDH #1198
DDH #1199
DDH #1200
DDH #1201
DDH #1202
DDH #1203
DDH #1204
DDH #1205
DDH #1206
DDH #1207
DDH #1208
DDH #1209
DDH #1210
DDH #1211
DDH #1212
DDH #1213
DDH #1214
DDH #1215
DDH #1216
DDH #1217
DDH #1218
DDH #1219
DDH #1220
DDH #1221
DDH #1222
DDH #1223
DDH #1224
DDH #1225
DDH #1226
DDH #1227
DDH #1228
DDH #1229
DDH #1230
DDH #1231
DDH #1232
DDH #1233
DDH #1234
DDH #1235
DDH #1236
DDH #1237
DDH #1238
DDH #1239
DDH #1240
DDH #1241
DDH #1242
DDH #1243
DDH #1244
DDH #1245
DDH #1246
DDH #1247
DDH #1248
DDH #1249
DDH #1250
DDH #1251
DDH #1252
DDH #1253
DDH #1254
DDH #1255
DDH #1256
DDH #1257
DDH #1258
DDH #1259
DDH #1260
DDH #1261
DDH #1262
DDH #1263
DDH #1264
DDH #1265
DDH #1266
DDH #1267
DDH #1268
DDH #1269
DDH #1270
DDH #1271
DDH #1272
DDH #1273
DDH #1274
DDH #1275
DDH #1276
DDH #1277
DDH #1278
DDH #1279
DDH #1280
DDH #1281
DDH #1282
DDH #1283
DDH #1284
DDH #1285
DDH #1286
DDH #1287
DDH #1288
DDH #1289
DDH #1290
DDH #1291
DDH #1292
DDH #1293
DDH #1294
DDH #1295
DDH #1296
DDH #1297
DDH #1298
DDH #1299
DDH #1300
DDH #1301
DDH #1302
DDH #1303
DDH #1304
DDH #1305
DDH #1306
DDH #1307
DDH #1308
DDH #1309
DDH #1310
DDH #1311
DDH #1312
DDH #1313
DDH #1314
DDH #1315
DDH #1316
DDH #1317
DDH #1318
DDH #1319
DDH #1320
DDH #1321
DDH #1322
DDH #1323
DDH #1324
DDH #1325
DDH #1326
DDH #1327
DDH #1328
DDH #1329
DDH #1330
DDH #1331
DDH #1332
DDH #1333
DDH #1334
DDH #1335
DDH #1336
DDH #1337
DDH #1338
DDH #1339
DDH #1340
DDH #1341
DDH #1342
DDH #1343
DDH #1344
DDH #1345
DDH #1346
DDH #1347
DDH #1348
DDH #1349
DDH #1350
DDH #1351
DDH #1352
DDH #1353
DDH #1354
DDH #1355
DDH #1356
DDH #1357
DDH #1358
DDH #1359
DDH #1360
DDH #1361
DDH #1362
DDH #1363
DDH #1364
DDH #1365
DDH #1366
DDH #1367
DDH #1368
DDH #1369
DDH #1370
DDH #1371
DDH #1372
DDH #1373
DDH #1374
DDH #1375
DDH #1376
DDH #1377
DDH #1378
DDH #1379
DDH #1380
DDH #1381
DDH #1382
DDH #1383
DDH #1384
DDH #1385
DDH #1386
DDH #1387
DDH #1388
DDH #1389
DDH #1390
DDH #1391
DDH #1392
DDH #1393
DDH #1394
DDH #1395
DDH #1396
DDH #1397
DDH #1398
DDH #1399
DDH #1400
DDH #1401
DDH #1402
DDH #1403
DDH #1404
DDH #1405
DDH #1406
DDH #1407
DDH #1408
DDH #1409
DDH #1410
DDH #1411
DDH #1412
DDH #1413
DDH #1414
DDH #1415
DDH #1416
DDH #1417
DDH #1418
DDH #1419
DDH #1420
DDH #1421
DDH #1422
DDH #1423
DDH #1424
DDH #1425
DDH #1426
DDH #1427
DDH #1428
DDH #1429
DDH #1430
DDH #1431
DDH #1432
DDH #1433
DDH #1434
DDH #1435
DDH #1436
DDH #1437
DDH #1438
DDH #1439
DDH #1440
DDH #1441
DDH #1442
DDH #1443
DDH #1444
DDH #1445
DDH #1446
DDH #1447
DDH #1448
DDH #1449
DDH #1450
DDH #1451
DDH #1452
DDH #1453
DDH #1454
DDH #1455
DDH #1456
DDH #1457
DDH #1458
DDH #1459
DDH #1460
DDH #1461
DDH #1462
DDH #1463
DDH #1464
DDH #1465
DDH #1466
DDH #1467
DDH #1468
DDH #1469
DDH #1470
DDH #1471
DDH #1472
DDH #1473
DDH #1474
DDH #1475
DDH #1476
DDH #1477
DDH #1478
DDH #1479
DDH #1480
DDH #1481
DDH #1482
DDH #1483
DDH #1484
DDH #1485
DDH #1486
DDH #1487
DDH #1488
DDH #1489
DDH #1490
DDH #1491
DDH #1492
DDH #1493
DDH #1494
DDH #1495
DDH #1496
DDH #1497
DDH #1498
DDH #1499
DDH #1500
DDH #1501
DDH #1502
DDH #1503
DDH #1504
DDH #1505
DDH #1506
DDH #1507
DDH #1508
DDH #1509
DDH #1510
DDH #1511
DDH #1512
DDH #1513
DDH #1514
DDH #1515
DDH #1516
DDH #1517
DDH #1518
DDH #1519
DDH #1520
DDH #1521
DDH #1522
DDH #1523
DDH #1524
DDH #1525
DDH #1526
DDH #1527
DDH #1528
DDH #1529
DDH #1530
DDH #1531
DDH #1532
DDH #1533
DDH #1534
DDH #1535
DDH #1536
DDH #1537
DDH #1538
DDH #1539
DDH #1540
DDH #1541
DDH #1542
DDH #1543
DDH #1544
DDH #1545
DDH #1546
DDH #1547
DDH #1548
DDH #1549
DDH #1550
DDH #1551
DDH #1552
DDH #1553
DDH #1554
DDH #1555
DDH #1556
DDH #1557
DDH #1558
DDH #1559
DDH #1560
DDH #1561
DDH #1562
DDH #1563
DDH #1564
DDH #1565
DDH #1566
DDH #1567
DDH #1568
DDH #1569
DDH #1570
DDH #1571
DDH #1572
DDH #1573
DDH #1574
DDH #1575
DDH #1576
DDH #1577
DDH #1578
DDH #1579
DDH #1580
DDH #1581
DDH #1582
DDH #1583
DDH #1584
DDH #1585
DDH #1586
DDH #1587
DDH #1588
DDH #1589
DDH #1590
DDH #1591
DDH #1592
DDH #1593
DDH #1594
DDH #1595
DDH #1596
DDH #1597
DDH #1598
DDH #1599
DDH #1600
DDH #1601
DDH #1602
DDH #1603
DDH #1604
DDH #1605
DDH #1606
DDH #1607
DDH #1608
DDH #1609
DDH #1610
DDH #1611
DDH #1612
DDH #1613
DDH #1614
DDH #1615
DDH #1616
DDH #1617
DDH #1618
DDH #1619
DDH #1620
DDH #1621
DDH #1622
DDH #1623
DDH #1624
DDH #1625
DDH #1626
DDH #1627
DDH #1628
DDH #1629
DDH #1630
DDH #1631
DDH #1632
DDH #1633
DDH #1634
DDH #1635
DDH #1636
DDH #1637
DDH #1638
DDH #1639
DDH #1640
DDH #1641
DDH #1642
DDH #1643
DDH #1644
DDH #1645
DDH #1646
DDH #1647
DDH #1648
DDH #1649
DDH #1650
DDH #1651
DDH #1652
DDH #1653
DDH #1654
DDH #1655
DDH #1656
DDH #1657
DDH #1658
DDH #1659
DDH #1660
DDH #1661
DDH #1662
DDH #1663
DDH #1664
DDH #1665
DDH #1666
DDH #1667
DDH #1668
DDH #1669
DDH #1670
DDH #1671
DDH #1672
DDH #1673
DDH #1674
DDH #1675
DDH #1676
DDH #1677
DDH #1678
DDH #1679
DDH #1680
DDH #1681
DDH #1682
DDH #1683
DDH #1684
DDH #1685
DDH #1686
DDH #1687
DDH #1688
DDH #1689
DDH #1690
DDH #1691
DDH #1692
DDH #1693
DDH #1694
DDH #1695
DDH #1696
DDH #1697
DDH #1698
DDH #1699
DDH #1700
DDH #1701
DDH #1702
DDH #1703
DDH #1704
DDH #1705
DDH #1706
DDH #1707
DDH #1708
DDH #1709
DDH #1710
DDH #1711
DDH #1712
DDH #1713
DDH #1714
DDH #1715
DDH #1716
DDH #1717
DDH #1718
DDH #1719
DDH #1720
DDH #1721
DDH #1722
DDH #1723
DDH #1724
DDH #1725
DDH #1726
DDH #1727
DDH #1728
DDH #1729
DDH #1730
DDH #1731
DDH #1732
DDH #1733
DDH #1734
DDH #1735
DDH #1736
DDH #1737
DDH #1738
DDH #1739
DDH #1740
DDH #1741
DDH #1742
DDH #1743
DDH #1744
DDH #1745
DDH #1746
DDH #1747
DDH #1748
DDH #1749
DDH #1750
DDH #1751
DDH #1752
DDH #1753
DDH #1754
DDH #1755
DDH #1756
DDH #1757
DDH #1758
DDH #1759
DDH #1760
DDH #1761
DDH #1762
DDH #1763
DDH #1764
DDH #1765
DDH #1766
DDH #1767
DDH #1768
DDH #1769
DDH #1770
DDH #1771
DDH #1772
DDH #1773
DDH #1774
DDH #1775
DDH #1776
DDH #1777
DDH #1778
DDH #1779
DDH #1780
DDH #1781
DDH #1782
DDH #1783
DDH #1784
DDH #1785
DDH #1786
DDH #1787
DDH #1788
DDH #1789
DDH #1790
DDH #1791
DDH #1792
DDH #1793
DDH #1794
DDH #1795
DDH #1796
DDH #1797
DDH #1798
DDH #1799
DDH #1800
DDH #1801
DDH #1802
DDH #1803
DDH #1804
DDH #1805
DDH #1806
DDH #1807
DDH #1808
DDH #1809
DDH #1810
DDH #1811
DDH #1812
DDH #1813
DDH #1814
DDH #1815
DDH #1816
DDH #1817
DDH #1818
DDH #1819
DDH #1820
DDH #1821
DDH #1822
DDH #1823
DDH #1824
DDH #1825
DDH #1826
DDH #1827
DDH #1828
DDH #1829
DDH #1830
DDH #1831
DDH #1832
DDH #1833
DDH #1834
DDH #1835
DDH #1836
DDH #1837
DDH #1838
DDH #1839
DDH #1840
DDH #1841
DDH #1842
DDH #1843
DDH #1844
DDH #1845
DDH #1846
DDH #1847
DDH #1848
DDH #1849
DDH #1850
DDH #1851
DDH #1852
DDH #1853
DDH #1854
DDH #1855
DDH #1856
DDH #1857
DDH #1858
DDH #1859
DDH #1860
DDH #1861
DDH #1862
DDH #1863
DDH #1864
DDH #1865
DDH #1866
DDH #1867
DDH #1868
DDH #1869
DDH #1870
DDH #1871
DDH #1872
DDH #1873
DDH #1874
DDH #1875
DDH #1876
DDH #1877
DDH #1878
DDH #1879
DDH #1880
DDH #1881
DDH #1882
DDH #1883
DDH #1884
DDH #1885
DDH #1886
DDH #1887
DDH #1888
DDH #1889
DDH #1890
DDH #1891
DDH #1892
DDH #1893
DDH #1894
DDH #1895
DDH #1896
DDH #1897
DDH #1898
DDH #1899
DDH #1900
DDH #1901
DDH #1902
DDH #1903
DDH #1904
DDH #1905
DDH #1906
DDH #1907
DDH #1908
DDH #1909
DDH #1910
DDH #1911
DDH #1912
DDH #1913
DDH #1914
DDH #1915
DDH #1916
DDH #1917
DDH #1918
DDH #1919
DDH #1920
DDH #1921
DDH #1922
DDH #1923
DDH #1924
DDH #1925
DDH #1926
DDH #1927
DDH #1928
DDH #1929
DDH #1930
DDH #1931
DDH #1932
DDH #1933
DDH #1934
DDH #1935
DDH #1936
DDH #1937
DDH #1938
DDH #1939
DDH #1940
DDH #1941
DDH #1942
DDH #1943
DDH #1944
DDH #1945
DDH #1946
DDH #1947
DDH #1948
DDH #1949
DDH #1950
DDH #1951
DDH #1952
DDH #1953
DDH #1954
DDH #1955
DDH #1956
DDH #1957
DDH #1958
DDH #1959
DDH #1960
DDH #1961
DDH #1962
DDH #1963
DDH #1964
DDH #1965
DDH #1966
DDH #1967
DDH #1968
DDH #1969
DDH #1970
DDH #1971
DDH #1972
DDH #1973
DDH #1974
DDH #1975
DDH #1976
DDH #1977
DDH #1978
DDH #1979
DDH #1980
DDH #1981
DDH #1982
DDH #1983
DDH #1984
DDH #1985
DDH #1986
DDH #1987
DDH #1988
DDH #1989
DDH #1990
DDH #1991
DDH #1992
DDH #1993
DDH #1994
DDH #1995
DDH #1996
DDH #1997
DDH #1998
DDH #1999
DDH #2000
DDH #2001
DDH #2002
DDH #2003
DDH #2004
DDH #2005
DDH #2006
DDH #2007
DDH #2008
DDH #2009
DDH #2010
DDH #2011
DDH #2012
DDH #2013
DDH #2014
DDH #2015
DDH #2016
DDH #2017
DDH #2018
DDH #2019
DDH #2020
DDH #2021
DDH #2022
DDH #2023
DDH #2024
DDH #2025
DDH #2026
DDH #2027
DDH #2028
DDH #2029
DDH #2030
DDH #2031
DDH #2032
DDH #2033
DDH #2034
DDH #2035
DDH #2036
DDH #2037
DDH #2038
DDH #2039
DDH #2040
DDH #2041
DDH #2042
DDH #2043
DDH #2044
DDH #2045
DDH #2046
DDH #2047
DDH #2048
DDH #2049
DDH #2050
DDH #2051
DDH #2052
DDH #2053
DDH #2054
DDH #2055
DDH #2056
DDH #2057
DDH #2058
DDH #2059
DDH #2060
DDH #2061
DDH #2062
DDH #2063
DDH #2064
DDH #2065
DDH #2066
DDH #2067
DDH #2068
DDH #2069
DDH #2070
DDH #2071
DDH #2072
DDH #2073
DDH #2074
DDH #2075
DDH #2076
DDH #2077
DDH #2078
DDH #2079
DDH #2080
DDH #2081
DDH #2082
DDH #2083
DDH #2084
DDH #2085
DDH #2086
DDH #2087
DDH #2088
DDH #2089
DDH #2090
DDH #2091
DDH #2092
DDH #2093
DDH #2094
DDH #2095
DDH #2096
DDH #2097
DDH #2098
DDH #2099
DDH #2100
DDH #2101
DDH #2102
DDH #2103
DDH #2104
DDH #2105
DDH #2106
DDH #2107
DDH #2108
DDH #2109
DDH #2110
DDH #2111
DDH #2112
DDH #2113
DDH #2114
DDH #2115
DDH #2116
DDH #2117
DDH #2118
DDH #2119
DDH #2120
DDH #2121
DDH #2122
DDH #2123
DDH #2124
DDH #2125
DDH #2126
DDH #2127
DDH #2128
DDH #2129
DDH #2130
DDH #2131
DDH #2132
DDH #2133
DDH #2134
DDH #2135
DDH #2136
DDH #2137
DDH #2138
DDH #2139
DDH #2140
DDH #2141
DDH #2142
DDH #2143
DDH #2144
DDH #2145
DDH #2146
DDH #2147
DDH #2148
DDH #2149
DDH #2150
DDH #2151
DDH #2152
DDH #2153
DDH #2154
DDH #2155
DDH #2156
DDH #2157
DDH #2158
DDH #2159
DDH #2160
DDH #2161
DDH #2162
DDH #2163
DDH #2164
DDH #2165
DDH #2166
DDH #2167
DDH #2168
DDH #2169
DDH #2170
DDH #2171
DDH #2172
DDH #2173
DDH #2174
DDH #2175
DDH #2176
DDH #2177
DDH #2178
DDH #2179
DDH #2180
DDH #2181
DDH #2182
DDH #2183
DDH #2184
DDH #2185
DDH #2186
DDH #2187
DDH #2188
DDH #2189
DDH #2190
DDH #2191
DDH #2192
DDH #2193
DDH #2194
DDH #2195
DDH #2196
DDH #2197
DDH #2198
DDH #2199
DDH #2200
DDH #2201
DDH #2202
DDH #2203
DDH #2204
DDH #2205
DDH #2206
DDH #2207
DDH #2208
DDH #2209
DDH #2210
DDH #2211
DDH #2212
DDH #2213
DDH #2214
DDH #2215
DDH #2216
DDH #2217
DDH #2218
DDH #2219
DDH #2220
DDH #2221
DDH #2222
DDH #2223
DDH #2224
DDH #2225
DDH #2226
DDH #2227
DDH #2228
DDH #2229
DDH #2230
DDH #2231
DDH #2232
DDH #2233
DDH #2234
DDH #2235
DDH #2236
DDH #2237
DDH #2238
DDH #2239
DDH #2240
DDH #2241
DDH #2242
DDH #2243
DDH #2244
DDH #2245
DDH #2246
DDH #2247
DDH #2248
DDH #2249
DDH #2250
DDH #2251
DDH #2252
DDH #2253
DDH #2254
DDH #2255
DDH #2256
DDH #2257
DDH #2258
DDH #2259
DDH #2260
DDH #2261
DDH #2262
DDH #2263
DDH #2264
DDH #2265
DDH #2266
DDH #2267
DDH #2268
DDH #2269
DDH #2270
DDH #2271
DDH #2272
DDH #2273
DDH #2274
DDH #2275
DDH #2276
DDH #2277
DDH #2278
DDH #2279
DDH #2280
DDH #2281
DDH #2282
DDH #2283
DDH #2284
DDH #2285
DDH #2286
DDH #2287
DDH #2288
DDH #2289
DDH #2290
DDH #2291
DDH #2292
DDH #2293
DDH #2294
DDH #2295
DDH #2296
DDH #2297
DDH #2298
DDH #2299
DDH #2300
DDH #2301
DDH #2302
DDH #2303
DDH #2304
DDH #2305
DDH #2306
DDH #2307
DDH #2308
DDH #2309
DDH #2310
DDH #2311
DDH #2312
DDH #2313
DDH #2314
DDH #2315
DDH #2316
DDH #2317
DDH #2318
DDH #2319
DDH #2320
DDH #2321
DDH #2322
DDH #2323
DDH #2324
DDH #2325
DDH #2326
DDH #2327
DDH #2328
DDH #2329
DDH #2330
DDH #2331
DDH #2332
DDH #2333
DDH #2334
DDH #2335
DDH #2336
DDH #2337
DDH #2338
DDH #2339
DDH #2340
DDH #2341
DDH #2342
DDH #2343
DDH #2344
DDH #2345
DDH #2346
DDH #2347
DDH #2348
DDH #2349
DDH #2350
DDH #2351
DDH #2352
DDH #2353
D

CARPENTER LAKE

UNIT	LITHOLOGY DESCRIPTION
FP	Rhyolite intrusive
Dior.	Diorite / Gabbro intrusive
HW Dior.	Hanging Wall diorite } Proterozoic Intrusives
FW Dior.	Footwall diorite
10	Argillites, minor shale and limestone. Sandstone and conglomerate occur in lenses near base. Probably Hurley Formation
5	White to light grey, thin-bedded highly folded chert
4	Massive and quartzitic sulphides. Pyrite, chalcopyrite, minor sphalerite and galena
3	Greenstone
2	Interbedded or interfolded greenstone and chert; includes possibly units 3 and 5. Units 2 to 5 may be equivalent to the Fergusson Group

- Inferred geologic contact
- Inferred fault
- Area underlain by massive and quartzitic sulphides
- Vein zone
- Open area
- ● 112 Soil sample station

Open Core Shacks

NOTES:

- DDH 85-02 is in approximately the same location as DDH 75-02
- DDH locations with ? could not be located exactly

Geological interpretation by R.S. Tolbert simplified from geological mapping by R.J. Morris

Topography based on aerial photography flown July, 1986.

BEACON HILL CONSULTANTS LTD.

DATE

PROJ. NO.

APPROVED

NO. 7

MAP I
SUMMARY OF GEOLOGY AND PHYSICAL WORK

0 10 20 30 40 50 100 150 metres
0 100 200 300 400 500 feet
SCALE - 1:1200

inches
centimetres
This reference scale bar has been added to the original image. It will be accurate only on the image that has not been reduced in reference for the original size.

85-05 ?85-06 P84-04 85-02 84-10/11 84-03 85-01 85-03 85-04 80-S1 80-S2 80-S3 80-S4? 80-S5? 80-S8 79-S6 80-S9 84-05? 893 ●859 ●661

10a 10b 2 3 5 700 750 850

2N 1N 00 N 1S 2S 3S 4S

WEST BASELINE GRID

500W 400W 300W 200W 100W 00

511 500E 512 000E 5 635 000 N

UNIT	LITHOLOGY DESCRIPTION	
11	Rhyolite intrusive	
10	Diorite / Gabbro intrusive	Bralorne Intrusives
10b	Hanging Wall diorite	
10a	Footwall diorite	
6	Argillites, minor shale and limestone. Sandstone and conglomerate occur in lenses near base. Probably Hurley Formation.	
5	White to light grey thinbedded highly folded chert.	
4	Massive and quartzitic sulphides. Pyrite, chalcopyrite, minor sphalerite and galena.	
3	Greenstone	
2	Interbedded or interfolded greenstone and chert, includes possibly units 3 and 5. Units 2 to 5 may be equivalent to the Fergusson Group.	

Inferred geologic contact

Inferred fault

Area underlain by massive and quartzitic sulphides

Vein zone

Open area

●112 Soil sample station

inches 0 1 / 0 1 2 centimetres

This reference scale bar has been added to the original drawing. The width of the frame (280 mm) is the same as the width of the map and can be used as a reference for the original size.

BEACON HILL CONSULTANTS LTD.	DATE
MAP 3 SUMMARY OF GEOLOGY AND PHYSICAL WORK	PROJ NO.
	APPROVED
	NO. 9

5 636 500 N

0 10 20 30 40 50 100 150 metres

0 100 200 300 400 500 feet

SCALE- 1:1200

NOTES:

- DDH 85-02 is in approximately the same location as DDH 75-02.
- DDH locations with ? could not be located exactly.

Geological interpretation by R.S. Tolbert simplified from geological mapping by R.J. Morris.

Topography based on aerial photography flown July, 1986.

933 939 918 926 852 857 835 932 994

512 000 E 512 500 E

600S 700S 800S 900S 1000 S 1 100 S 1200 S

920 S 950 S 1000S 1020S 1040S 1060 S 1080 S 1140 S

300W 400W 500W 200W 100W 100E 200E

EAST GRID BASELINE

TRENCH 99 TRENCH 41 TRENCH 34 TRENCH 86-7 TRENCH 86-6 TRENCH 86-5 TRENCH 147 TRENCH 11 TRENCH 86-3 TRENCH 86-2 TRENCH 920S

TWO BOB VEIN ZONE (48°N/145°)

Open Open

Survey Pin Lot 3039

POWERLINE ADIT

APPROX. CLAIM BOUNDARY

N

BEACON HILL CONSULTANTS LTD.

DATE

PROJ NO

APPROVED

NO 13

MAP 3
GEOCHEMISTRY OF GOLD IN DOUGLAS FIR

CONTOURED AT 0.95 ppb AND 1.6 ppb AU

SCALE - 1:1200

0 10 20 30 40 50 100 150 metres

0 100 200 300 400 500 feet

inches 0 1 2

centimetres 0 1 2 3

This reference scale bar has been added to the original plan and is to scale at the same size as the original plan. It can be used as a reference for that original size.

512 000 E

512 500 E

5 636 500 N

600 S

700 S

800 S

900 S

1000 S

1100 S

1200 S

500W 400W 300W 200W 100W

100E 200E

933 939 918 932 94 852 857 835 Open Open

RR-1 3.3

RR-2 0.7

TRENCH 99

TRENCH 41

TRENCH 34

TRENCH 86-7

TRENCH 86-6

TRENCH 86-5

TRENCH 147

TRENCH

TRENCH 86-3

TRENCH 86-2

TRENCH 900S

TWO BOB VEIN ZONE

(48°N/145°)

Survey Pin Lot 3039

POWERLINE

ADIT

EAST GRID BASELINE

APPROX. CLAIM BOUNDARY

N

BEACON HILL CONSULTANTS LTD.

DATE

PROJ NO

APPROVED

NO. 14

MAP 3
GEOCHEMISTRY OF ARSENIC IN DOUGLAS FIR
CONTOURED AT 1.5 ppm As

inches 0 1 2
centimetres 0 1 2
This reference scale has been added to the original plan at the time of digitizing. It can be used as a guide for the four times original size

0 10 20 30 40 50 100 150 metres
0 100 200 300 400 500 feet
SCALE - 1:1200

933
939
926
852
857
918
835
932
94
Open
Open
Survey Pin
Lot 3039
TWO BOB VEIN ZONE
(48°N/145°)
APPROX. CLAIM BOUNDARY
EAST GRID BASELINE
POWERLINE
ADIT
TRENCH 41
TRENCH 34
TRENCH 86-1
TRENCH 86-6
TRENCH 86-5
TRENCH 147
TRENCH 11
TRENCH 86-3
TRENCH 86-2
TRENCH 500S
TRENCH 99
RR-1 0.83
RR-2 0.79
512 000 E
512 500 E
600S
700S
800S
900S
1000S
1100S
1200S
920S
950S
1000S
1020S
1040S
1060S
1080S
1140S
500W
400W
300W
200W
100W
100E
200E
3 636 500 N
800
750
675
N

BEACON HILL CONSULTANTS LTD.

DATE

PROJ NO

APPROVED

NO 15

MAP 3

GEOCHEMISTRY OF ANTIMONY IN DOUGLAS FIR

CONTOURED AT 0.6 ppm Sb

inches 0 1 centimetres 0 1 2

This reference scale has been added to the original image. It will not be accurate on the image inserted in this report. Use as reference for final original size.

0 10 20 30 40 50 100 150 metres

0 100 200 300 400 500 feet

SCALE - 1:1200

933 939 918 852 857 835 932 94

Open Open

TRENCH 99 TRENCH 41 TRENCH 86-3 TRENCH 86-2 TRENCH 900S TRENCH 34 TRENCH 86-7 TRENCH 86-6 TRENCH 86-5 TRENCH 147 TRENCH 11

TWO BOB VEIN ZONE (48°N/145°)

RR-1 0.27 RR-2 0.12

Survey Pin Lot 3039

POWERLINE

ADIT

APPROX. CLAIM BOUNDARY

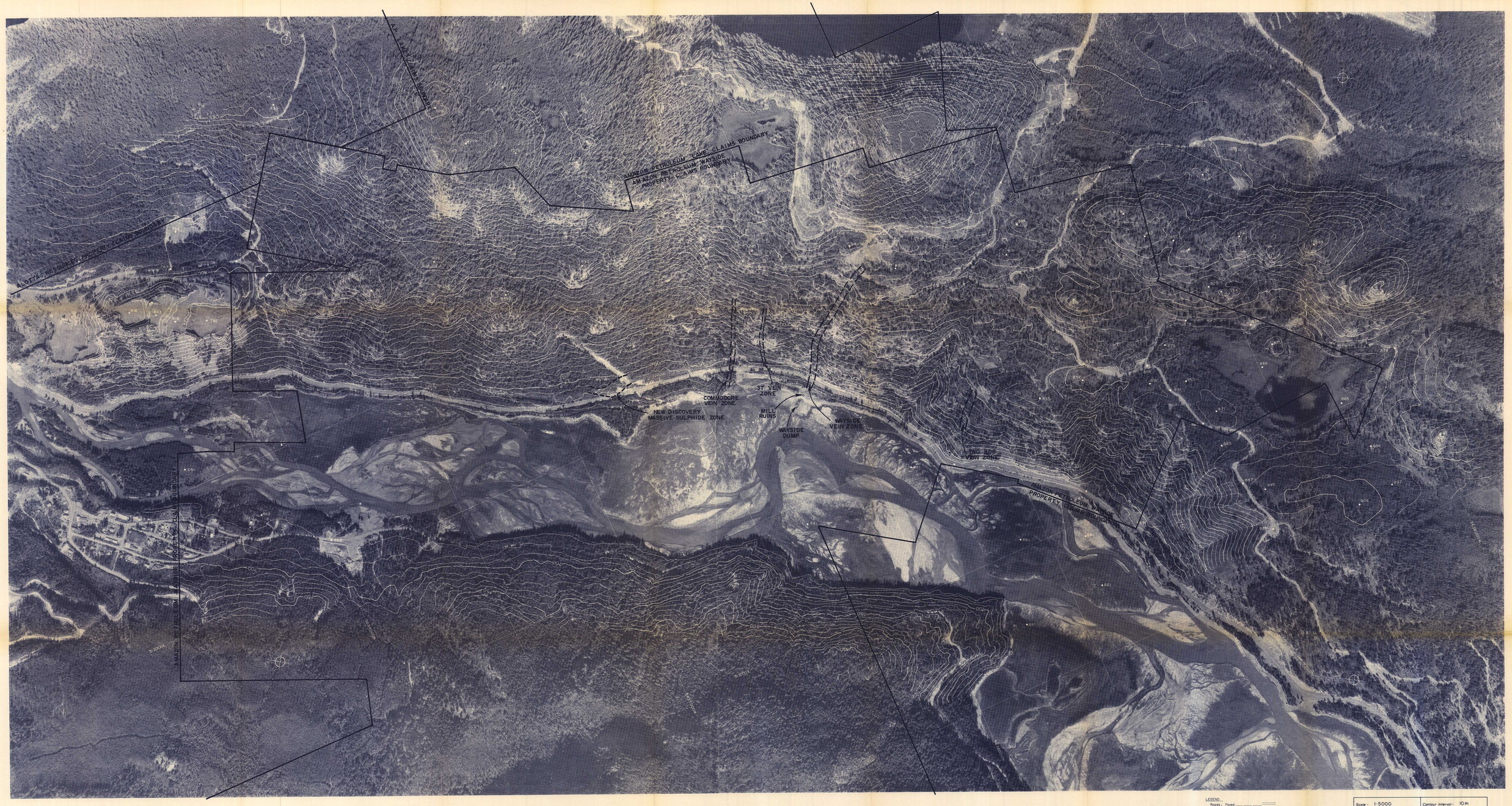
512 000 E 512 500 E EAST GRID BASELINE

600S 700S 800S 900S 1000S 1100S 1200S 920S 950S 1020S 1040S 1060S 1080S 1140S

500W 400W 300W 200W 100W 100E 200E

5 636 500 N

750 800 675



AMAZON PETROLEUM CORP.
WAYSIDE PROPERTIES

0 100 200 300 400 500 metres

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will change if the image is re-sized on the image. Examine it carefully for reference for the original size.

True North
Grid North
0° 12'

LEGEND

- Roads: Paved
- Other
- Trail
- Railway
- Contours: Index
- Intermediate
- Depression
- Spot Height
- Building
- Fence
- Power Pole
- Creeks: Definite
- Indefinite
- Ditch
- Swamps: Wet
- Treed
- Sand Bar
- Cultivated
- Timber Edge
- Air Photo Centre

FIGURE 19

Scale: 1:5000	Contour Interval: 10m
Map Reference: 92J/15	
Grid: U.T.M.	U.T.M. Zone: 10

HUGH HAMILTON LTD.
850 West 15th Street, North Vancouver
British Columbia, Canada V7P 1M6

Project No.: 86-083	Date: August 1986
Mapper: R.C.	Drafter: C.R.