

## TABTE OR CONTENTS

## PAGE NO.

PART "A"
SUMMARY, CONCIUSIONS AND RECOMMENDATIONS ..... 1
PART "B"
INTRODUCTION ..... 2
LOCATION AND ACCESS ..... 2
PROPERTY AND OWNERSHIP ..... 3.
IISTORY ..... 3
GEOLOGY AND MINERALIZATION ..... 3-6
GEOPHYSICAI ..... 6
CONCLUSIONS ..... 6

SUMMARY, CONCEUSIONS AND RECOMMENDATIONS:
In June, 1971, the writer examined the Morice Lake property of Aggressive Mining Ltd., which is located at an elevation of $7000^{\text {r }}$ about 50 miles southwest of Smithers in central B.C.

At that time the writer was impressed with the width and strength of the quartz veining that had been positively traced for 600' with indications along strike extending for an additional $1600^{\prime}$, with somewhat less assurance. Although strong leaching has taken place on*surface sampling by personnel of Phelps Dodge Corporation in 1968 and the writer indicated a grade of $5 \% \mathrm{~Pb} ., 9 \% \mathrm{Zn}$. and 2.0 zo . Ag. across $15.0^{\prime}$, recommendations were that detailed geological mapping and an electromagnetic survey be carried out. Diamond drilling was to follow if results were favourable. Between Aug. 18 and 21, the above work was carried out and results showed that a $50^{\circ}$ wide westerly-dipping conductor existed on only one of the cross lines, which were spaced at 200'. This gives a possible length to the zone of 200'.

It appears that the mineralization is confined to a small portion of the structure, where it crosses the south part of a quartz porphyry intrusive.

In view of the results of the electro-magnetic survey, on which a report will follow in a few days, diamond drilling is recommended.

## PART "B"

## INTRODUCTION:

Between August 18 and August 21, 1971, the writer carried out detailed geological mapping in the vicinity of the lead-zinc silver vein on the Morice Lake property of Aggressive Mining itd. During this period, an electromagnetic Survey was conducted by Mr. P.P. Neilson, B.Sc., of Atled Exploration Management Ita. of Vancouver. A Crone J.E.M. two frequency electromagnetic instrument was used.

The work carried out was part of the recommendations made by the writer in his report of June 30,1971 following an examination of the property on June 23.

## LOCATION AND ACCESS:

The property is located at an elevation of 7000' about 50 miles southwest of Smithers in the Omineca Mining Division OĖ central British Columbia. It is accessible by helicopter From Smithers or Houston in about 35 minutes. Access by land would be difficult, although a good gravel road from Houston reaches the north end of Morice Lake, a few miles from the claims. They are located at the headwaters of an unnamed creek which flows into the south side of Atna Bay.

Heavy equipment can be brought by road to Morice Lake, then by boat to a beach on Atna Bay. A helicopter would be required for the lift from the beach at 3000' up to the showings at 7000'.

PROPERTY AND OWNERSHIP:

The property consists of twenty full size mineral claims, five claims by four claims, the long dimension striking $N 80^{\circ} W$.

The claims were staked on September 30,1970 by $P$. Dunsford as agent for Mr. F.H. Jowsey and were recorded in Vancouver on Oct. 2, 1970. Mr. Jowsey later transferred the claims to Aggressive Mining Ltd.

HISTORY:

In 1967-68, claims held by Phelps-Dodge Corporation, covered the Morice Lake showings. Geological mapping, trenching and sampling was carried out. The work was done by a crew headed by Peter Curtis under the direction of Mr. R. Cunningham. GEOLOGY AND MINERALIZATION:

The area in which the Morice Lake showings of Aggressive Mining Ltd. are located is underlain by Lower and Middle Jurassic volcanics of the Hazelton Group. These are predominantly grey and green andesitic to rhyolitic tuffs, breccias and flows with minor intercalated sediments and some reddish basalt. Minor granitic intrusives of Jurassic and Cretaceous age are also present.

Geological mapping by personnel of Phelps-Dodge Corporation showed undifferentiated tuffs and volcancis intruded by
quartz and feldspar porphyry plugs and dykes. Recent mapping by the writer showed the volcanics to be gently-dipping rhyolite and andesite with thin basaltic flows.

The mineralized zone is composed of a network of quartz stringers across an average width of 80 feet in quartz porphyry close to a contact with tuffaceous rhyolite. Although the four trenches which showed lead-zinc-silver mineralization are in a host rock of quartz porphyry, strong quartz veining continues northward into mixed andesite and rhyolite. General strike of the mineralized zone is $N 30^{\circ} \mathrm{E}$ and obscured dip is $60^{\circ}$ to the east.

Galena, pyrite and sphalerite mineralization is scattered across the mineral zone but in most trenches appears to be concentrated in $10-20$ foot wide richer zones. Some leaching has taken place.

The structure has been explored by four trenches ( $n 1,3,4$ and 5) along a strike length of $500^{\prime}$. To the north the quartz veining is present for $700^{\prime}$ where a trench (\#7) Shows 15: of pyritic material. Eight hundred feet south of the trenches a malachite-stained pyrite zone exists (trench \#8). It may be related to the principal structure although the direct extension of this structure along strike is talus covered.

The following table shows samples taken by the writer on June 23, 1971 and those taken by Phelps Dodge personnel
at the same locations. Widths of samples could not be measured by the writer due to slumpage of trench walls.

## SAMPLES BY R. W. PHENDLER

$\frac{\text { Sample }}{\mathrm{No}}$ \% $\mathrm{Cu} \% \mathrm{~Pb} \% \mathrm{Zn} \mathrm{Oz}$. Ag $\quad$ Location
I -- 5.60 I3.0 $0.50 \quad 200^{\prime} \mathrm{S}$ of Trench 1 -flat
$2-3.35$ II. $0 \quad 0.35 \quad 300^{\circ} \mathrm{S}$ of Trench 1 - flat
3. 0.72 -- 0.32 Trench \#8
$4.2 .68 \quad 2.50 \quad 0.41 \quad$ Trench \#1
$5 \quad 37.0 \quad 5.40 \quad 3.65$ Trench \# \#
$6 \quad 0.85$ ll.5 0.93 Trench \#5

- Snow-covered Trench \#3

Composite of Samples - 0.038 oz . Au. per ton

SAMPLES BY PHELPS-DODGE
$\frac{\text { Sample }}{\text { NO. Cu. }}$ \% Pb. \% Zn. Oz. Ag. Location Width
910.41 -- 0.0 .20 Trench \#8 10.0'
$41.420 .26 \quad 7.25 \quad 0.98 \quad 2.00 \quad$ Trench \#I $20.0^{\prime}$
710.295 .75 -- $\quad$ I. 52 Trench \#4 8.0'

77 0.07 8.15 -- 1.18 Trench \#5 10.0'
56
0.182 .55
4.00
1.72 Trench \#3 20.0:

59
$0.22 \quad 2.72$
--
9.80 Trench \#3A 10.0'

50
0.4711 .50
6.00
0.23 Trench \#2 20.0'

Trench $\# 2$ lies $1200^{\circ}$ southeast of trench \# \# and appears to lie along strike. This is difficult to ascertain as the area is drift covered.

Samples taken by the writer were assayed by Chemex Iabs Ltd., North Vancouver on June 29, 1971.

## GEOPHYSICAI:

Poor weather conditions (continuous wet snow, rain and strong gusty wind) made the EM survey difficult. However, six lines across the mineral zone were completed. A conductor was found to exist on one Iine only (Line Zero) across trench \#1. Anomalous conditions were found at a depth of 100' and 150' indicating a $50^{\circ}$ wide metallic conductor, dipping $60^{\circ}$ to the west. Leaching was found to extend to a depth of ลֹロut 40-50\%.

All other lines $(2+00 \mathrm{~S}, 2+00 \mathrm{~N}, 4+00 \mathrm{~N}, 8+$ $00 \mathrm{~N}, 10+00 \mathrm{~N}$ ) were found to have no metallic conductors.

AIl lines were carried for $400^{\prime}$ on either side of the structure except line 10. On this line, the west side could be carried only to the glacier at $3+00 \mathrm{~W}$.

## CONCLUSIONS:

It appears that the mineralized structure is confined to the intrusive quartz porphyry and only the quartz veining continues in both directions into the enclosing volcanic rocks.


## TABLE OF CONTENTS

Page
INTRODUCTION ..... 1.
LOCATION ..... 2
ACCESS ..... 2
WEATHER ..... 3
SHOWINGS ..... 3
DIAMOND DRILLING ..... 4
SAMELING ..... 5
ASSAYS ..... 6
SURMARY ..... 7
CONCLUSIONS \& RECOMMENDATIONS ..... 8
CERTIFICATE ..... 24

## CORE LOGS, ASSAYS, ILLUSTRITIONS

Page
Drill - Hole Plan ..... 9
Log of Drill - Hole No. 1 ..... 10
Log of Drill - Hole No. 2 ..... 11
Assays Drill - Hole No. 2 ..... 12
Section Drill Holes Nos. $1 \& 2$ ..... 13
Log of Drill - Hole No. 3 ..... 14
Assays Drill - Hole No. 3 ..... 15
Section Drill Hole No. 3 ..... 16
Log of Drill - Hole No. 4 ..... 17
Assays Drill - Hole No. 4 ..... 18
Log of Drill - Hole No. 5 ..... 19
Assays Drill - Hole No. 5 ..... 20
Section Drill Hole Nos, $4 \& 5$ ..... 21
Photographs ..... 22
Photographs ..... 23

## INTRODUCTION

Bacon \& Crowhurst Ltd, were retained by Aggressive Mining Limited to supervise a 1000 -foot diamond drill program on Aggressive's mineral showings near Morice Lake in the Omineca Mining Division of British Columbia.

The writer, who was in charge of the work, left Vancouver July 18th, accompanied by Mr. Frank Polkosnik of Mid-West Diamond Drilling Ltd. In order to check the water availability (Dr. Bacon had previously checked snow conditions), a small helicopter was obtained. that evening and, after a $55-$ rinute $f 1 i g h t$ from Houston, B.C., landed on the showings. Water was found in ample supply and, after a short reconnaissance of the exploration trenches, we returned to Houston. The diamond drill equipment arrived the following day and was trucked to the head of Morice Lake to a landing some 22 miles from the showings. The equipment and 6 men were airlifted in 14 hours by a Jet Ranger helicopter. Drilling started on the afternoon of July 21 st and was completed July 31st.

In the following report, in addition to the drill results, the writer has included information on the location and access to the property. The isolated location and the climatic conditions are items that would definitely require consideration in any future plans for the property.

## LOCATION

The property is located on a narrow plateau at an elevation of approximately 6500 feet, some 4000 feet above Morice Lake. This plateau, about 1000 feet wide by $1 \frac{1}{2}$ miles long, is located in the central core of a very rugged mountain complex, some 8 miles in diameter, that borders a portion of the westerly side of Morice Lake. The northerly side of the plateau contains several small glaciers and snowfields whereas the south and east sides are bordered by a narrow, deeply incised valley. This valley is the main access fly-route to the plateau. It is occupied by a stream that flows east at the base of the plateau, then swings to a near-north direction, discharging on the south side of Atna Bay. The precipitous nature of the plateau area is demonstrated by the fact that the writer could find only one small area, just south of the trenches, in which he could safely descend to the valley floor some 800 feet below.

## ACCeSS

Access to the property, other than by helicopter, is from Houston, B.C., where a good Forestry road some 50 miles in length terminates at the discharge end of Morice Lake. A boat would be required to travel 15 miles down-lake and to the south side of sitna Bay. The access valley, previously mentioned, leads directly to the ! showings. This particular valley is timbered for about three miles with the remaining 6 miles being prectpitous rock slopes and steep talus adjoining the creek bottom.

WEATHER

The Forestry Department informed the writer that a normal five feet of snow is found at the 2600 foot elevation around Morice Lake. The snowpack will obviously increase at the higher elevations towards the property. In the opinion of the writer, the untimbered slopes of the access valley will be one continuous snowslide belt for approximately six miles.

## SHOWLNGS

The surface geology and pertinent details regarding the trenches have been covered by previous reports. To recap, a northerlystriking, fracture-filled quartz zone containing lead, zinc and copper mineralization has been traced by a series of trenches across a plateau. The width of fracturing is about 40-50 feet and has been traced definitely for 550 feet. The main trenches are numbered 1, 4, 5 and 3 with if3 being the most northerly trench. A snowfield obscures the continuation of the fracture zone north of $; 3$, but a caved trench some 600 feet north of \#3 and at the edge of the plateau is said to show a fractured pyritic zone. South of itl trench, the ground drops steeply into the valley below. One trench, about 200 feet south of ifland presently covered, showed noticeable copper stain on the dump rock.

The dip of the fractured zone is not clear. A narrow shear in trench $i f 1$ and also the general surface vein trace indicate a possible easterly dip whereas the E.M. survey suggested a westerly dip.

## DI. MMOND DRILLING

Five 1-5/16 inch ' BQ ' drill holes, having a combined length of 1025 feet, were placed along a 450-foot length of the mineralized fracture zone. They varied in length from 163 to 287 feet. One hole was collared to the west of the trenches, while the remaining four were located to the east. The easterly holes all intersected the prinsipal fracture zone.

No. 1 hole was collared to the west of Trench No. 1 and was drilled to test the westerly dip interpretation of the $E_{0} M_{\text {. }}$ survey. The core was barren of mineralization and showed no evidence of the quartz network found in the exploration trenches.

The remaining four holes intersected the principal fractured zone and confirmed its easterly dip. They also indicated that the main structure is confined to a volcanic member that has been fractured and filled with varying amounts of quartz and calcite to produce a network structure.

There are no deflnite walls to the network. The main silicified zone wouid spront to be about 25 - 30 fect wille; hovever,
 ion Feot inio lion horingrai:

Hode Bu. 2 iniefsected if anet of maneraiized quatz veinlets in tho hangingall zone This footage was sampled and assayed to illugtrate the character of mbneralizalion that does occur outside the maln zone.

Holes 4 and 5 were the most interesting ones of the program. They were drilled from the same setup to intersect the network below No. 3 Trench. No. 4 was drilled at $-45^{\circ}$ while No. 5 was at $-60^{\circ}$, to intersect the central portion of the network at 90 and 140 feet respectively, below the outcrop. Both holes intersected stiong quartzveining with galena and sphalerite occurring in veinlets and patches. Several sections showed $2-4$ inch patches of solid lead and zinc mineralization.

## SAMPLING

Mineralized core from Holes 2 and, 3 was sampled on the property. The core was split - one half being returned to the core box. The ore sections from holes 4 and 5 were sealed in their boxes and shipped to Vancouver for the inspection of Dr. W. R. Bacon. In consultation with him, the writer marked out the sections and removed the entire mineralized core for assay.

## ASSAYS

The assays were performed by Chemex Labs Ltd. of North Vancouver, B. C.

Hole No. 2 indicated a weighted average assay value of $6.3 \% \mathrm{Zn}$. , less than $1 \% \mathrm{~Pb}$. and less than $\frac{1}{2}$ oz. silver to the ton, ovex a true width of 25 feet. An isolated mineralized network was assayed from the hanging wall area in Hole 2 and averaged $2.2 \% \mathrm{Zn}$. and less than $1 \% \mathrm{~Pb}$., over 17 feet.

Hole No. 3 indicated an average assay of $4.9 \% \mathrm{Zn}$. and $1 \% \mathrm{Fb}$. over a probable width of 25 feet. Again the silver values were less than 0.5 oz , to the ton.

Hole No. 4 intersected 38 feet of mineralized core; however, the quartz zone steepens in this area so that the true wicth is between $30-35$ feet. This hole averaged $3.3 \% \mathrm{Zn} ., 1.5 \% \mathrm{~Pb}$, and less than 0.5 oz . silver to the ton. One eight foot section at the footwall assayed $10.1 \% \mathrm{Zn} ., 3.9 \% \mathrm{~Pb}$. and 0.84 oz , silver per ton.

Hole No. 5 incicated an assay of $6.5 \% \mathrm{Zn} ., 2.9 \% \mathrm{~Pb}$. and less than 1 oz . silver per ton, over a core length of 54.5 feet (true width 30-35 feet). A 31.5 foot section of this core (true wicth 20 feet) had a weighted average of $9.4 \% \mathrm{Zn}$. $4.1 \% \mathrm{~Pb}$. and 0.77 oz . silver to the ton.

Gold assays run mainly trace to low with four samples out of 27 assaying $0.5-0.13 \mathrm{oz}$, per ton. Copper is a minor accessory metal and averages less than $0.20 \%$.

SUMGiRY

During the period July 18-31, 1972 the writer supervised a diamond drill program for Aggressive Mining Ltd. on their Morice Lake property in the Omineca Mining Division.

The purpose of the drilling was to investigate a mineralized quartz network that had been explored, in part, over. a length of some 1,000 feet. The drilling was restricted to a portion of the vein that had been previously explored by four deep trenches.

Five holes were drilled for a combined total of 1,025 feet. Four of the holes intersected the easterly dipping principal zone of fracturing and indicated a width of mineralization varying from 25 35 feet.

Mineralization consists of sphalerite, galena, chalcopyrite and pyrite. These minerals occur as blebs, disseminations and veinlets within the quartz. Occasionally there are solid patches of 2-4 inches of lead and zinc mineralization.

The calculated weighted average of the drill core assays indicate values of between $5-6.5 \% \mathrm{Zn}$., less than 1 to $2.9 \% \mathrm{~Pb}$. and silver less than one oz. per ton. Copper values average less than $0.20 \%$ while gold is mainly in the trace to low range.

## CONCLUSIONS \& RECOMMENDATIONS

The writer, in no way, believes that the four shallow exploration holes have told the full story on the lead-zinc mineralizeLion on this property. These stockwork structures are good exploretion targets and have provided pleasant surprises in a number of developments. The one characteristic that is disappointing at Morice Lake, however, is the consistently low silver values regardless of the lead or zinc content. In our opinion this property must have higher values in the precious metals to compensate for its difficult locations because this prospect appears to be a low-grade base metal deposit carrying insignificant values in the precious metals.

No further work is recommended at this time.

Respectfully submitted, BACON \& CROWHURST LTD.


David W. Burns, B. Sc., P. Eng.

DI.MOND DRILL MOLZ 率


## DIWOND DRILL HOLE if 2




| Location－ | 2OO＇cast centreline trenches， <br> Depth－ 287 ！ <br> $200^{\prime}$ north ir 2 D．D．H． <br> Recovery－＋90\％ |
| :---: | :---: |
| Strike | Vest |
| Uip | －45 |
| らせごち | Juiy 27172 |
| Complete | July 28／72 |
| 0－2＇ | Casing． |
| $2-24.5$ | Green to reciosh tuff． |
| 2．4．5－51 | Mainly banded light green tuff－banding indicated near flat becding－minor pyrite disseminations． |
| $51-93$ | Erecciated volcanics in part－sections of green－coloured andesite volcanics． <br> $\%^{6 \pi}$ |
| 93－117 | Brecciated volcanics－some quartz veining－sparse grains of chalcopyrite，several veinlets－up to $1^{\prime \prime}$ calcite． Pyrite distributed throughout． |
| 117－139 | Fine－grained anciesitic volcanics－five small quartz and calcite stringers with PbS and znS and chalcopyrite－ mineralization sparse． |
| 139－163 | Light grey fine－grained volcanics－a number of $1^{\prime \prime}$ quartz and calcite stringers carrying sparse chalco， PbS and ZnS ． |
| 163－170 | Volcanics with increase in quartz－calcite stringers $3^{11}$ to $2^{\prime \prime}$－minor mineralization． |
| 170－175 | Increase in fracturing－quartz－filled－mineralization scattered． |
| 175－185 | Same． |
| 185－187 | Fine－grained，volcanic－no fracturing－no mineral． |
| 187－191 | Erecciated volcanics－fractured with quartz－calcite． Several stringers of ZnS and PbS． |
| 191－195．5 | Brecciated volcanics－broken core and oxidized in part patchy mineralization－oxidized and shared 194－195． |
| $195.5-217$ | Volcanics－fine－grained and solid core，fracturing ends at 195．5． |
| 217－287 | Footwhll quartz－porphyry－solic core－unmineralized． |

## ASSAYS - D.D.H. 排3

| Sample No. | Feet | $\mathrm{Cu} \%$ | Pb \% | $\underline{Z n \%}$ | $\begin{aligned} & \text { Au } \\ & \text { Oz./ton } \end{aligned}$ | $\begin{aligned} & \text { Ag } \\ & \text { Oz./ton } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87458 | 170-175 | 0.11 | 0.43 | 4.40 | * 0.003 | 0.23 |
| 87459 | $175-185$ | 0.07 | 0.66 | 2.71 | * 0.003 | 0.22 |
| 87460 | 187-191 | 0.16 | 1.00 | 5.31 | * 0.003 | 0.39 |
| 87461 | 191-195.5 | 0.26 | 3.35 | 12.30 | 0.033 | 0.82 |

Total
$23.5^{\prime}$

[^0]

## DLAMOND DRILL HOLE $1 / 4$

| Location | 1151 east of \#3 Trench, $^{\prime}$ 200' north of D.D.H. 洮3 |
| :---: | :---: |
| Strike | N650\% |
| Dip | -45 |
| Start | July 29/72 |
| Complete | Juiy 30/72 |
| 0-45.5 | Mainly banded grey to red tuff. |
| 45.5-93 | Fine-grained tuff, grey, much fractured, quartz-calcite filled - mineral sparse - few blebs of PbS noted. |
| 93-98 | Fractured volcanics - quartz veining increasing - scattered PbS and ZnS , considered minor. |
| 98-103 | Medium amount of quartz and calcite scringers - typical thin bandings of DbS and ZnS (up to $1 / 8^{\prime \prime}$ thickness). |
| 103-109 | Much quartz and notable calcite - similar mineralization as last section. |
| 109-114 | Much quartz (over $80 \%$ of core), fine blebs and thin veinlets of PbS and ZnS . |
| 114-119 | Same. |
| 119-127 | Much quartz - several 2 to $3^{\prime \prime}$ patches of solid PbS and ZnS. |
| 127-131 | Some mineralization - decreasing amount of quartz, slip at 131', bleached. |
| 131-135 | Much less fracturing, tuff darker and barren. |

END OE HOLE

## ASSAYS - D.D.H. 誛4

| Sample No. | Feet | $\mathrm{Cu} \%$ | Pb\% | Zn \% | $\begin{aligned} & \mathrm{Au} \\ & \mathrm{Oz} . / \text { ton } \end{aligned}$ | $\begin{aligned} & \mathrm{Kg} \\ & \mathrm{Oz}, \mathrm{jton} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87462 | 93-98 | . 01 | 0.14 | 1.00 | * 0.003 | 0.11 |
| 87463 | 98-103 | . 03 | 0.29 | 0.98 | * 0.003 | 0.16 |
| 87464 | 103-109 | . 04 | 0.36 | 1.40 | * 0.003 | 0.22 |
| 87465 | 109-114 | . 01 | 0.31 | 1.06 | * 0.003 | 0.11 |
| 87466 | 114-119 | . 39 | 0.54 | 1.62 | * 0.003 | 2.65) |
| 87467 | 119-127 | . 07 | 3.90 | 10.10 | 0.061 | 0.84 |
| 87468 | 127-131 | .04" | 1.22 | 3.20 | 0.026 | 0.32- |
| Total | $38.0{ }^{1}$ |  |  |  |  |  |

* Less than


## DIAMOND DRILL HOLE

| Location | (at if4) 200' north D.D.H. *i3. Depth - 188.0 ${ }^{\text {² }}$ |
| :---: | :---: |
| Strike | N650 ${ }^{\circ} \mathrm{C}$ Recovery - 90\% |
| Dip ${ }^{\text {2 }}$ | -600 |
| Start | July 30/72 |
| Complete | Juiy 31/72 |
| 0-30.5 | Partly banded tuff. |
| 30.5-80 | Light-coloured tuff - minor network of quartz veinlets. |
| 80-105 | Same. |
| 105-116.5 | Fine-grained tuff, some brecciated volcanics. |
| 116.5-124 | Mainly grey tuff - several small quartz sections $2^{\prime \prime}$ to $3^{\prime \prime}$. |
| 124.-131 | Much quartz ( $80 \%$ of core) with patches and biebs of 2bS and ZnS . Also fine banding of PbS. |
| 131-136 | Same. |
| 136-142 | Same. |
| 142-147 | Same - some oxidation of seams - Pbs and ZnS - fresh appearance and fine-grained. |
| 147-153 | Much quartz - several solid patches of PBS. General appearance is fair mineral. |
| 153-161 | Mainly broken and fractured volcanics - few l" quartz sections - considered poorly mineralized. |
| 161-166 | Heavy quartz section - typical blebs, patches and veinlets of mineralization. |
| 166-171 | Same, core little more broken, oxidized along sears. |
| 171-178.5 | Core solid but rusty appearance, quartz vuggy - typical mineralization - possible footwall shearing at 178.5 . |
| 178.5:-188 | Quartz veining minor - change in colour to reddish basaltic colouring, no mineral. Considered footwall rock. |

ASBAYS - D.D.H. 45

| Sample No. | Feet | $\mathrm{Cu} \%$ | Pb \% | $\mathrm{Zn} \%$ | $\begin{aligned} & \mathrm{Su} \\ & \mathrm{Oz}, / \text { ton } \end{aligned}$ | $\begin{aligned} & \text { Ag } \\ & 0 \text { z. } 1 \text { ton } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 87469 | 124-131 | 0.05 | 2.15 | 4.48 | * 0.003 | 1.02 |
| 87470 | $131-136$ | 0.06 | 0.92 | 1.78 | 0.011 | 0.93 |
| 87471 | 136-142 | 0.11 | 0.96 | 3.44 | * 0.003 | 0.34 |
| 87472 | 142-147 | 0.02 | 0.40 | 1.82 | * 0.003 | 0.09 |
| 87473 | 147-153 | 0.21 | 11.00 | .14.00 | 0.078 | 1.60 |
| 87474 | 153-161 | 0.10 | 2.44 | 6.16 | 0.015 | 0.63 |
| 87475 | 161-166 | 0.14 | 4.64 | 7.28 | 0.11 | 0.55 |
| 87476 | 166-171 | 0.35 | 1.68 | 10.70 | 0.024 | 0.54 |
| 87477 | 171-178.5 | 0.31 | 1.97 | 9.68 | 0.016 | 0.57 |

[^1]* Less than

Holes 4 and 5 were the most interesting ones of the program. They were drilled from the same setup to intersect the network below No. 3 Trench. No. 4 was drilled at $-45^{\circ}$ while No. 5 was at $-60^{\circ}$, to intersect the central portion of the network at 90 and 140 feet respectively, below the outcrop. Both holes intersected strong quartzveining with galena and sphalerite occurring in veinlets and patches. Several sections showed $2-4$ inch patches of solid lead and zinc mineralization.

## SAMPLING

Mineralized core from Holes 2 and. 3 was sampled on the property. The core was split - one half being returned to the core box. The ore sections from Holes 4 and 5 were sealed in their boxes and shipped to Vancouver for the inspection of Dr. W.R. Bacon. In consultation with him, the writer marked out the sections and removed the entire mineralized core for assay.


[^0]:    * Less than

[^1]:    Total
    $54.5^{1}$

