GEOLOGICAL, GEOCHEMICAL, DIAMOND DRILLING AND UNDERGROUND EXCAVATION REPORT

ON THE

BARB AND LOG CLAIMS

LOGJAM SILVER GOLD PROPERTY

CLAIM SHEET NO. 105B/4

LATITUDE 60 DEGREES O1 MINUTES NORTH
LONGITUDE 131 DEGREES 36 MINUTES WEST

WATSON LAKE MINING DIVISION, YUKON

FOR

A. M. P. EXPLORATIONS & MINING CO. LTD.

COVERING WORK DONE DURING AUGUST TO OCTOBER 1986

BY

D. C. MILLER, P. ENG.

DECEMBER 3, 1986



TABLE OF CONTENTS

Page
Summary and Conclusions
Recommendations
Estimated Costs
Introduction
Location and Access
Physiography
Camp and Equipment
Property and Ownership
History and Previous Work
Current Work
Regional Geology
Property Geology 13 Summary 13 Table of Formations 14 Units 1 to Unit 5 15 Units 6 to Unit 10 16 Structure 16
Mineralization
Ore Reserves
Soil and Bedrock Sampling
Diamond Drilling
No. 4 Vein Drifting - 5150 Level
Diamond Drill Hole Slashes - No. 6 Vein Drift, 5150 Level 23
Certificate
References
Names and Addresses of Employees and Contractors and Time Employed in Preparing Report
Diamond Drill Hole Logs

TABLE OF CONTENTS

		Followin	ng
Illustrations		Page	
Figure 1	Location Map	7	
Figure 2	Claim Map	9	
Figure 3	Geology Map	13	
Figure 4	5150 Level	13	
Figure 5	5600 Level	13	
Figure 6	Longitudinal Section No. 5 Vein	18	
Figure 7	Longitudinal Section No. 6 Vein	18	
Figure 8	Cross-section 1986 Drilling	22	
Figure 9	Sample plan - No. 4. Drift West - 5150 Level .	23	
Figure 10	Geological plan No. 4. Drift West - 5150 Level	23	
Figure 11	Soil Geochemistry - Ag. Pb. and Zn	In Pock	et
Figure 12	Geology and Rock Sample Location	In Pock	et
Figure 13	Plan of 5150 Level Showing 1986 Work	In Pock	et

SUMMARY AND CONCLUSIONS

The Logjam property was discovered in 1944 and since then has received sporadic exploration. Northeasterly striking quartz sulphide fault veins contain gold and silver mineralization associated with sphalerite, pyrrhotite, arsenopyrite, pyrite chalcopyrite. Minor amounts of bismuth, antimony and tungsten mineralization are also present. The veins dip steeply northwest or southeast and range in width from a few centimeters to over a metre. They are exposed on a steep rocky northeast facing slope of a prominent northwest trending ridge over a vertical interval of 270 m and have been developed by 2 adit levels, 5150 and 5600, which are the approximate elevations above sea level. Host rocks for the veins are metasediments and diorite. To date, the best mineralization occurs where the veins are in diorite host rocks. The most effective work at the property was done in 1966 - 67 when much of the better grade mineralization was exposed by drifting on the 5150 and 5600 levels in diorite. The better grade sections exposed on these levels average 0.13 oz/t gold, 15.0 oz/t silver, 3.03% lead and 3.33% zinc (weighted by length and width) over an average weighted width of 0.84 m. recent ore reserve calculation by R. W. Phendler, P. Eng., (1984) lower grade sections have been included and probable ore reserves were estimated at 77,320 tons averaging 0.088 oz/t gold and 11.44 oz/t Although the best potential for higher grade mineralization silver. lies within the diorite, large areas within the favourable diorite are unexplored. Past as well as recent surface exploration indicates surface mineralization extends a few hundred metres southwest of the present workings.

Recent drifting on the No. 4 vein on 5150 level exposed low grade mineralization, however, the best potential for this vein is in the diorite which lies some 20 to 40 metres ahead of the drift face. Furthermore, when the drift reaches the diorite it will serve as a location to drill the Nos. 1-3 veins.

Recent diamond drilling on the 5150 level failed to intersect high grade mining width mineralization, but intersected a number of significant values which might develop into better veins along strike or dip.

Soil sampling indicated 2 main areas anomalous in silver, lead and zinc where further work is required to test these anomalies.

A poorly exposed vein on the Barb 23 claim was sampled and assayed 0.17 oz/t gold, 2.75 oz/t silver, 1.85% lead and 0.50% zinc. Additional work will be required to trace and explore this vein.

It is concluded that if a sufficient tonnage is located at presently indicated grades and metallurgical test results are satisfactory, the property could become a small producer at the rate of about 200 tons per day. Advantages the property enjoys are:

- (1) Adit entry to mineralization; no shaft will be required.
- (2) Steeply dipping veins with good wall rocks and virtually no cross-faulting displacements.
- (3) Located within 25 km (by road) to the Alaska Highway.

RECOMMENDATIONS

- (1) Continue drifting southwest on the 5150 level No. 4 vein until the drift is well into the diorite. Approximately 100m is required. At this point underground diamond drilling can be done at the end of the drift to test the Nos. 1, 2 and 3 veins.
- (2) Continue drifting southwest on the 5150 level No. 6 vein for at least 30 m and further if good mineralization is encountered. This drift can later be used for diamond drilling the Nos. 5, 7 and 8 veins.
- (3) Continue underground A Q wire-line diamond drilling to locate the No. 5 vein on 5150 level.
- (4) Conduct additional soil testing on surface and carry out magnetometer and VIF-EM16 surveys over the same grid. The pyrrhotite associated with galena and sphalerite is strongly magnetic in drill core.
- (5) Undertake backhoe and/or Caterpillar trenching of known zones on surface west of the ridge crest and also on the vein located on the Barb 23 claim.

- (6) Undertake surface diamond drilling if results of surface sampling of trenches are positive.
- (7) A representative sample of average grade mineralization from the 5150 level No. 6 vein and the 5600 level No. 5 vein should be collected and submitted for metallurgical testing to determine metal recoveries.
- (8) The present road access is suitable during most of the year except during November and June. At some point, the lower elevation route should be upgraded to an all weather road.

ESTIMATED COSTS

It is recommended exploration be carried out as follows:

Phase 1: Winter Programme 1987, approximately 2 1/2 months.

(1)	Drifting 130 m @ \$1000	'm \$	130,000	
(2)	Underground Diamond Drilli	ng		
	225 m @ \$ 70	/m	15,750	
(3)	Mob & Demob		10,000	
(4)	Transportation & Freight		6,∞∞	
(5)	Road Maintenance		6,000	
(6)	Equipment rental/purchase		35,000	
(7)	Food and camp fuel and misc.		20,000	
(8)	Engineering and management		40,000	
	Sub Total	\$	262,750	\$ 262,750

Phase 2: Summer Programme 1987, approximately 2 1/2 months.

(1)	Backhoe and/or Caterpillar rental	\$ 75 , 000	
(2)	Surface diamond drilling	150,000	
(3)	Underground diamond drilling	40,000	
(4)	Engineering and management	40,000	
(5)	Camp costs	20,000	
(6)	Metallurgical testing	30,000	
	Sub Total	\$ 355,000	\$ 355,000

Phase 3: (Contingent on previous results) Road improvement, drilling, drifting, preliminary feasibility studies

\$ 1,000,000

Total:

\$ 1,617,750

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Respectfully submitted,

D.C. Miller, B.A. Sc. P. Eng.

Dundy

December 3, 1986



INTRODUCTION

At the request of Mr. A. J. Arsenault, President of A. M. P. Explorations and Mining Co. Ltd., the present report was written to summarize previous and current work at the Logjam property and make recommendations for future work. During August to October 1986 the writer spent a total of 31 days on the property and was engaged in surface and underground geological mapping and sampling, a geochemical soil survey covering key western claims and underground diamond drilling layout and core logging. The writer has had access to a number of previous engineering reports on the property and has made use of this data with regard to previous work done on the property.

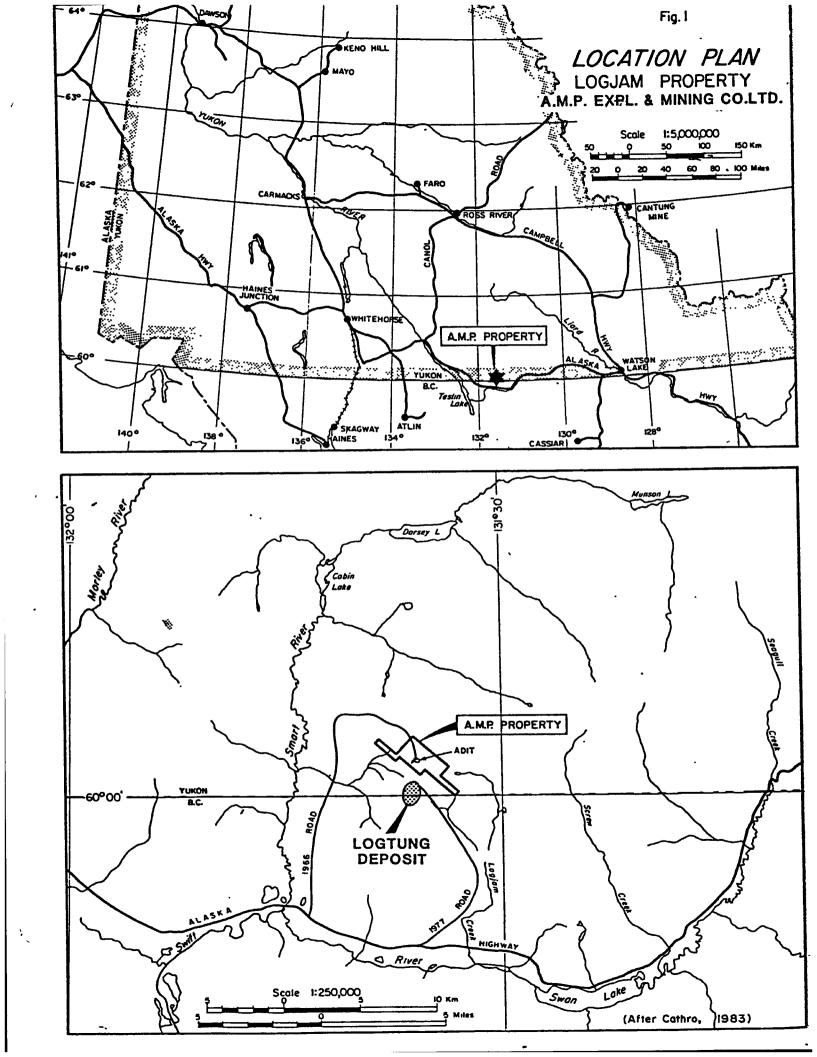
LOCATION AND ACCESS

The property is located 13 km north of the Alaska Highway at a point some 260 km by road southeast of Whitehorse, Yukon. Geographic coordinates are 60 degrees Ol minutes North and 131 degrees 36 minutes .

West - NTS map-area 105B/4E.

Access is provided by an extension of a road to the adjacent Logtung property. This road enters the A. M. P. Logjam property at a distance of 15.5 km from the Alaska Highway and reaches the A. M. P. camp at approximately 20.5 km. The last 5 km of this road traverses along the sides of a ridge at an elevation of 5300 ft and a few short grades require a 4 wheel drive vehicle. This road could be maintained through winter with regular snow plowing.

Alternative winter access is provided by a lower elevation route which starts from the Alaska Highway at a point 2.5 km east of the



Smart River bridge (Fig. 1). The distance to the A. M. P. camp from the Alaska Highway along this route is approximately 25 km. With minor improvements, this road could be upgraded to an all weather route.

PHYSIOGRAPHY

The property is located in mountainous terrain with elevations ranging from 4100 to 6200 ft. The dominant topographic feature is a northwest trending ridge which contains northeast striking precious-base metal veins. The northeast facing side of this ridge is steep and rocky while the southwest side is more gentle and accessible. Vegetation comprises mosses, grass, alpine shrubs and scrub-balsam.

The property is drained by tributaries of the Smart River and Logjam Creek. Ample year-round water is available for camp, mining and exploration purposes.

CAMP AND EQUIPMENT

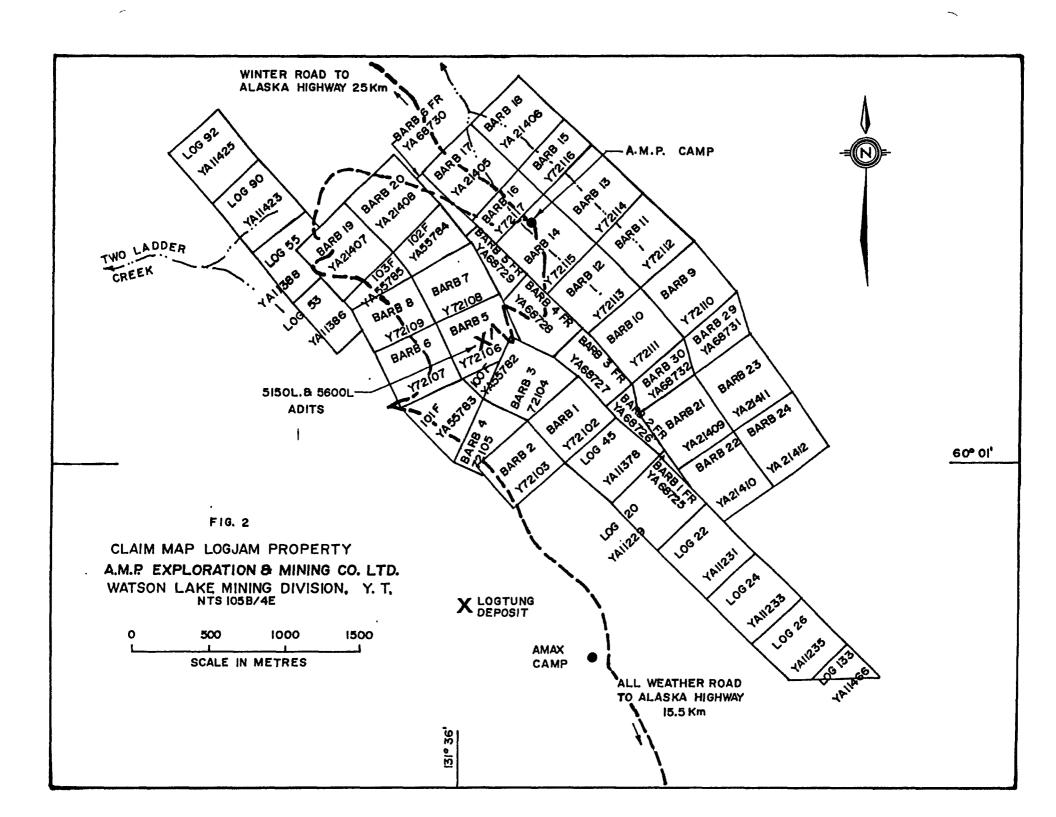
The present camp consists of a 20-person trailer camp complete with fully equipped kitchen and office trailers. Power is provided by a Lister diesel 15 KVA generator. Other major equipment includes: 2 - 4 wheel drive vehicles, 1 D-6 Caterpillar tractor, 2 Eimco 12-B mucking machines, 1 Eimco air locomotive, 6 1-ton mine cars, 1 Gardner-Denver 1200 cfm air compressor, underground track, pipe and ventilation tubing, powder magazines and miscellaneous equipment.

PROPERTY AND OWNERSHIP

The property comprises 46 full size and fractional mineral claims in one contiguous group (Fig. 2). The claims are owned by A. M. P. Explorations and Mining Co. Ltd. and include the following claims:

Barb	1 - 16	Y72102 - 17
Barb	17 - 24	YA21405 - 12
Barb	29 - 30	YA68731 - 32
Barb	1 - 6 FR.	YA68725 - 30
Fract	cions 100 - 103	YA55782 - 85
Log	20	YA 11229
Log	22	YA 11231
Log	24	YA 11233
Log	26	YA 11235
Log	45	YA 11378
Log	53	YA 11386
Log	55	YA 11388
Log	90	YA 11423
Log	92	YA 11425
Log	133	YA 11466

The claims have a common anniversary date of October 8 and expiry dates range from 1990 to 1992. A recent legal claim survey qualifies the Barb 1-8 and Fractions 100-101 for 21 year leases.



HISTORY AND PREVIOUS WORK

Showings on the Barb claims were discovered in 1943 by W. McKinnon and R. Puls while prospecting for Hudson Bay Mining and Smelting Co. Ltd. Hudson Bay staked claims in 1944 and conducted prospecting, mapping, sampling and completed 9 diamond drill totalling 1256.7 m in 1945.

Although initial surface work was moderately successful, the claims were allowed to lapse and were later restaked in 1958 by McKinnon. In 1961 minor trenching was done by Kootenay Base Metals Ltd. under an option agreement. Later, McKinnon optioned the claims to Macassa Gold Mines Ltd. which through a subsidiary company, Logjam Silver Mines Ltd., completed 205.7 m of cross-cutting and 794.6 m of underground diamond drilling in 6 holes. The results of this work were inconclusive as the undergound workings did not reach their targets and the diamond drill core recovery was very poor. Macassa dropped its option, however, development continued in 1966 and 1967 initially by Nilset Exploration Ltd. (a private company) and later by Pure Silver Mines Ltd., a related, newly formed public company. Work by these two companies included road construction, 272.8 m of drifting and cross-cutting on the 5150 level and 219.5 m of mainly drifting on the 5600 level. This programme was successful in exposing good lengths of silver-gold-lead-zinc mineralization in the No. 6 vein on 5150 level and in the No. 5 vein on 5600 level. Despite this encouragement, the claims were allowed to lapse in 1973 and were restaked as the Barb claims and transferred to A. M. P. Explorations and Mining Co. Ltd.

During 1974 to 1977 the property was optioned to Darva Resources and Development Ltd. but only minor road work was done during this period.

In 1976 the Logtung porphyry tungsten-molybdenum deposit was discovered immediately south of the A. M. P. property by the Bath 1976 Partnership. This property was subsequently optioned to Amax Potash Ltd. who built a new road to their property. In 1979 - 1980, the Amax road was extended some 5 km to the A. M. P. camp. This work was done by Rebel Developments Ltd. who held an option on the A. M. P. claim at this time.

Subsequently, A. M. P. optioned the property to a newly formed company, Pure Silver Mines Ltd., which installed a new trailer camp, purchased mining and drilling equipment, conducted legal and control surveys, completed minor underground rehabilitation and 14.3 m of drifting on the No. 4 vein and did preliminary metallurgical testing.

The metallurgical testing was done in December 1980 by Lakefield Research on a 26 kg sample of typical vein mineralization. This material analyzed as follows: lead 1.65%, zinc 3.35%, gold 3.46 g/t, silver 105.45 g/t, copper 0.071% and iron 15.7%. Five preliminary floatation tests were conducted which showed lead and zinc concentrates could be achieved by floatation. Further work was recommended to determine the ultimate recoveries of gold and silver but these tests were not done.

Total expenditures on the property during 1944 - 1983 were estimated at \$1.2 million (Cathro, 1983).

CURRENT WORK

During August to October, 1986 A. M. P. Explorations and Mining Co. Ltd. completed the following work: Camp and underground rehabilitation, regrading of the road from the campsite to the mine, 20 m of drifting on the No. 4 vein on 5150 level, 318.5 m of underground AQ wireline diamond drilling on 5150 level, remapping and resurveying of much of 5150 level, soil sampling, bedrock sampling and surface geological mapping covering 6 key claims. The cost of this programme was approximately \$130,000.

REGIONAL GEOLOGY

The Logiam property and adjacent areas are underlain by rocks of the Yukon Cataclastic Complex (Abbott, 1981). The Yukon Cataclastic is interpreted to be an allochthonous Complex assemblage tectonically interleaved clastic, carbonate, volcanic and intrusive rocks which were obducted onto the North American craton during mid-Mesozoic time. These rocks are dated as Carboniferous and? Younger. Intrusive rocks within the complex have been divided into 2 groups: (1) an older suite which includes a variety of mafic and ultramafic rocks which have been assigned a probable Jurassic age and (2) a younger suite of felsic intrusions which are dated as Cretaceous age. However, near the property, dioritic dykes at Logtung have been dated as Triassic age (S.R. Noble et al., 1984).

PROPERTY GEOLOGY

SUMMARY

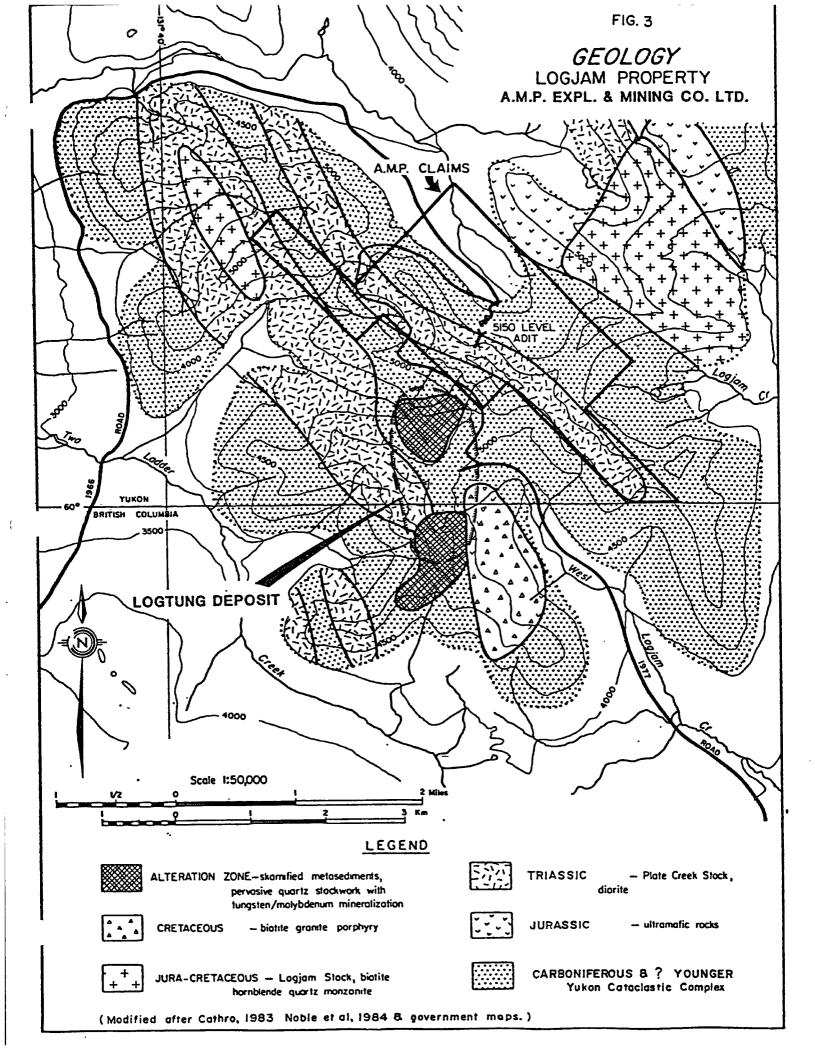
The property is underlain by Unit PM_s4 (Abbott, 1981) which on the property consists of shale, slate, phyllite, light grey and buff weathering limestone, grey siliceous limestone, massive quartzite and minor black limestone beds less then 1 m thick. These sediments strike northwest and generally dip at moderate angles to the northeast.

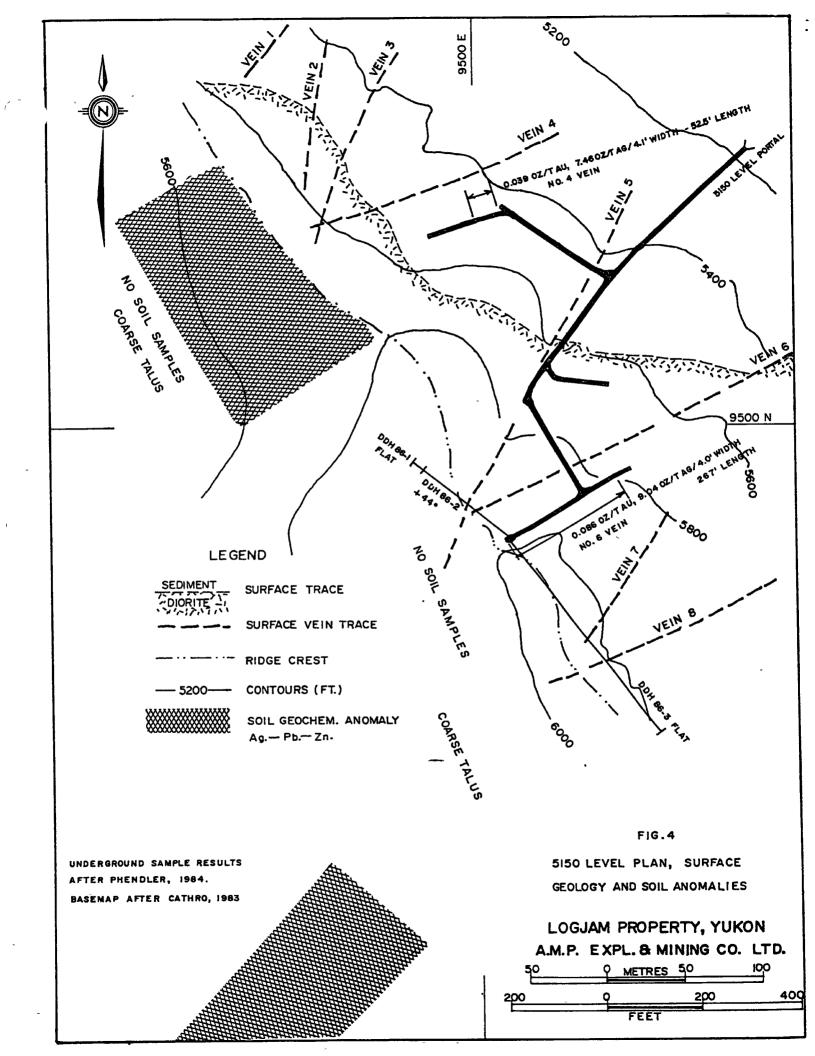
Near the underground workings, the sediments are cut by a northwest trending fine to medium grained diorite intrusive, about 300 m thick, which dips about 80 degrees westward. Near the contact with this intrusive sediments are altered to hornfels and marble.

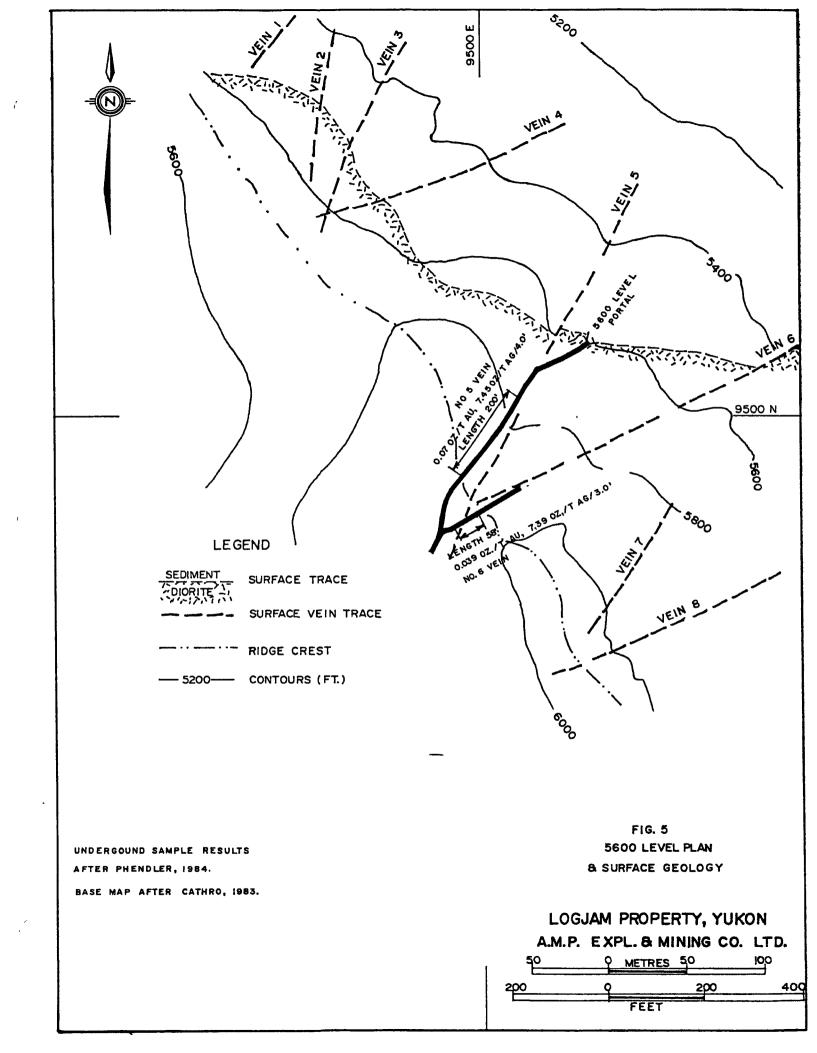
In addition to the diorite, the sediments are cut by a number of mafic to felsic dykes. Felsic dykes may carry up to 10% fine pyrite and rusty alteration is often associated with these dykes. Both these late felsic dykes and precious-base metal veins may be related to the intrusion of the Cretaceous age Logtung stock. Both late dykes and veins tend to follow prominent jointing in the diorite and a parallel cleavage attitude in the sediments. The jointing/cleavage trends at N 20 degrees - N 50 degrees E by nearly vertical.

In conjunction with the geochemical survey, rock outcrops were mapped as shown on the accompanying Fig. 12. No microscope work was done and rocks were named on the basis of hand-specimens and with regard to previous work (Abbott, 1981).

As with the geochemical survey, mapping was confined to the Barb 3-8, 19-20 and adjacent fractional claims. Sediments and







intrusive rocks were divided into 10 units (Fig. 12).

TABLE OF FORMATIONS

Property

Perio	riod Map Unit Lithology		Thickness (M)	
				1
Creta	ceous ?	10	Felsic, pyritic dykes	-
	11	9	Feldspar/hornblende porphyry	
			dykes and small intrusions	-
	11	8	Intermediate to mafic dykes	-
	11	7	Leucocratic intrusive	-
Trias	sic	6	Diorite	-
Carbo	niferous	5	Quartzite, argillaceous quartzit	e, 50 +
and ?	Younger		Biotite hornfels	
n	17	4	Limestone, variably silicified,	0–30
			mainly light grey.	
tt	81	3	Slate and phyllite, dark grey	100 +
			recessive.	
17	П	1 and 2	Shale, brown-grey, thin bedded,	150 +
			impure limestone, slate and	
			quartzite	

Units 1 and 2

These rocks were mapped in small outcrops along the access road. To the south they comprise brownish-grey thin-bedded shaly rocks and are relatively undisturbed. To the north, these rocks consist of pale grey impure limestone, dark grey limestone, slate and quartzite and are sheared and disturbed; bedding attitudes are not discernable. Near the contact of unit 6 (diorite) these rocks are bleached white and are silicified.

Unit 3

This unit consists of dark grey slate and phyllite and is best exposed on the Barb 19 and 20 claims. It is recessive weathering and forms relatively fine talus slopes.

Unit-4

To the north this unit is a distinctive pale grey cherty limestone which is finely fractured and locally 100% silicified. It is massive to poorly bedded. To the south this limestone is darker grey, thinner, less siliceous, discontinuous and appears to be present as two or more beds. It is altered to a weak skarn or to marble near unit 6 (diorite).

Unit 5

This unit comprises massive grey to greenish grey quartzite and argillaceous quartzite. Near the contact of unit 6 (diorite), it is altered to biotite hornfels.

Unit 6

This unit consists of an elongate, northwest trending intrusion of fine grained, dark grey diorite. Both mafic and feldspar crystals are anhedral and the diorite contains a number of inclusions of pre-intrusive rock.

Unit 7

This small fine to medium grained light colored intrusive contains about 15% mafics, mainly as hornblende. Crystals are euhedral to subhedral and the rock is likely a granodiorite or a quartz monzonite.

Unit 8

This unit comprises intermediate to mafic dykes and the largest dyke appears to be dioritic in composition.

Unit 9

This unit is exposed along the ridge on the Barb 7 - 8 and Fr 102 claims. It consists of feldspar and hornblende porphyry dykes and small intrusions.

Unit 10

This unit consists of a number of small siliceous dykes carrying much fine grained pyrite.

STRUCTURE

As mentioned previously, sediments strike northerly and dip mainly

at moderate angles easterly. The sediments are locally sheared or brecciated as would be expected considering the geologic history of the area (Abbott, 1981). The quartzite unit along the ridge has a strong northeast cleavage direction while the nearby diorite has a nearly parallel northeast jointing direction. Both cleavage and joints dip steeply northwest or southeast.

MINERALIZATION

Mineralization occurs in at least 10 northeasterly striking veinfracture zones. Veins vary from a few centimetres to over a metre in width and dip steeply northwest or southeast. Mineralization includes pyrrhotite, pyrite, arsenopyrite, galena and sphalerite in a generally siliceous gangue. Trace amounts of tungsten, bismuth and antimony minerals are also present.

Wall rocks are generally hard diorite and within the diorite the veins are competent and little wall rock dilution will occur in any future mining operation. However, on the 5150 level No. 4 vein, which has been drifted on within the metasediments, the wall rock is locally sheared, graphitic and unstable. Previous operators considered that the highest grade mineralization occurs within the diorite. To date, this has been the case.

Because the veins are best exposed on a steep rocky slope, surface diamond drilling in the past has been limited and prior to undergound work only minor drilling and chip sampling was done. Chip sampling was concentrated on the Nos. 5 and 6 veins within the diorite. Results of early chip sampling by Hudson Bay Mining are tabulated as follows:

(After Cathro, 1974).

	No. of	Slope	Average	OZ/	<u>'t</u>	-	ş	हे
Vein No.	Samples	Length (Ft)	Width (Ft)	<u>Au</u>	Ag]	<u>Pb</u>	Zn
5	8	580	2.3	0.20	25.4	•	3.7	5.5
6	6	460	3.1	0.11	20.2		2.7	1.0

Underground drifting on the No.5 vein on 5600 level and the No.6 vein on 5150 level (both within diorite) gave the following results based on chip-channel samples spaced at 5 ft. (After Cathro, 1974).

				oz/t	<u> </u>	ક	·
<u>Level</u>	<u>Vein</u> <u>No.</u>	Length (Ft)	Width (Ft)	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>
5150	6	40	2.4	0.16	21.9	2.5	3.1
	6	115	2.8	0.13	15.4	4.8	3.4
5600	5	45	3.1	0.14	17.8	2.5	3.5
	5	50	2.9	0.11	8.1	1.4	4.8
	5	40	2.3	0.12	12.0	1.2	2.1
	6	10	2.5	0.09	16.5	2.7	1.3
	6	10	2.5	0.09	17.0	1.9	0.3

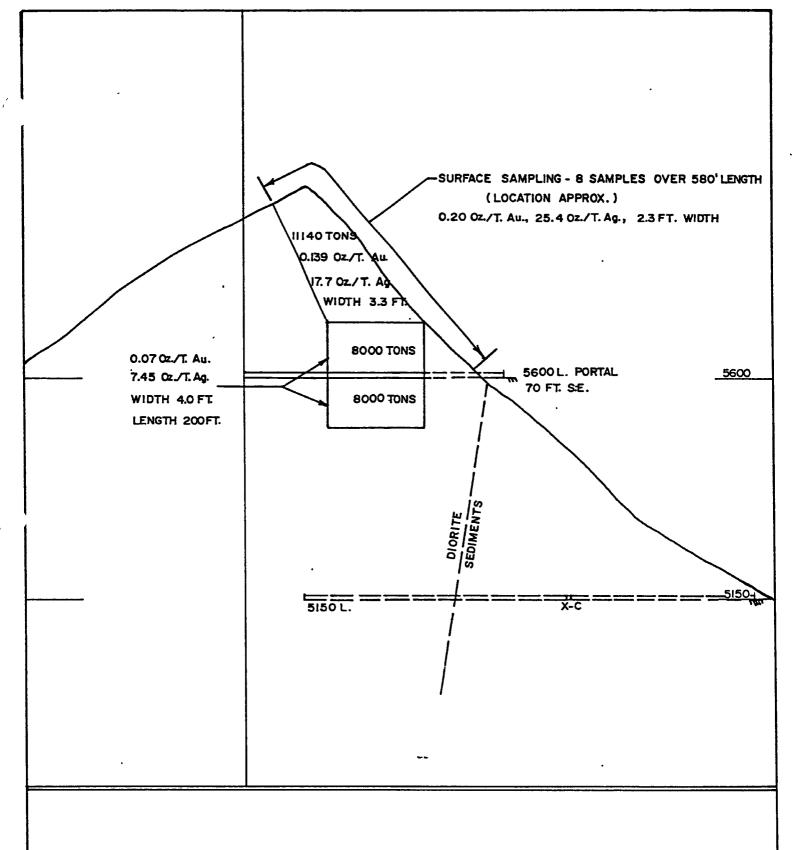


FIG. 6
LONGITUDINAL SECTION

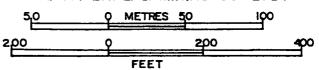
NO. 5 VEIN

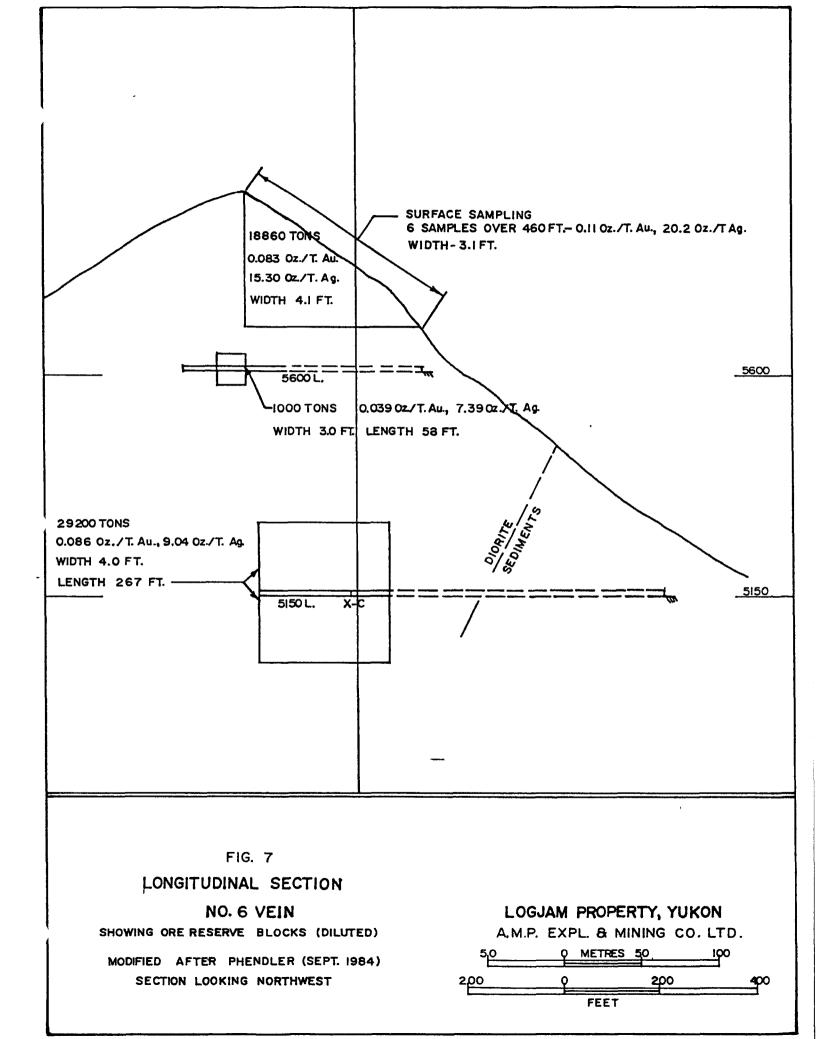
SHOWING ORE RESERVE BLOCKS (DILUTED)

MODIFIED AFTER PHENDLER (SEPT. 1984)
SECTION LOOKING NORTHWEST

LOGJAM PROPERTY, YUKON

A.M.P. EXPL. & MINING CO. LTD.





ORE RESERVES

Based on the same assay data as used by Cathro (1974) R. W. Phendler, P. Eng. calculated probable ore reserves for the property to total 77,320 tons grading 0.088 oz/t Au, 11.44 oz/t Ag with approximately 2% Pb and 3% Zn (Phendler 1984). Phendler's calculation was based on 4.0 - 4.1 ft. mining widths, including dilution, except for the upper parts of the Nos. 5 and 6 veins, where 3.3 and 3.0 ft. widths were used. Phendler's ore blocks are shown on Figs. 6 and 7 in longitudinal section.

SOIL AND BEDROCK SAMPLING

A total of 210 soil samples were collected in Kraft bags at 25 m intervals along grid lines spaced 100 m apart and along roads. Grid lines were oriented by compass and tied to claim posts. Along some grid lines, samples could not be obtained because of the presence of rock outcrops and coarse talus. Soil samples were taken at an average depth of 20 cm and included brown to greyish alpine soils of the "B" and "C" horizons. The samples were delivered to Bondar-Clegg and Co., Whitehorse, where they were dried and sieved to minus 80 mesh. The minus 80 mesh fraction was sent to Bondar-Clegg and Co., Vancouver where each sample was analyzed for silver, lead and zinc by the Atomic Absorption method using hot HNO3 - HCL for extraction. Results of this work are plotted on the accompanying Fig. 11.

A total of 36 samples contained over 7 ppm silver with

accompanying high lead and zinc values. In particular, 2 areas contained very high values ranging up to 39 ppm silver. The locations of these areas are shown on accompanying Figures 4 and 11 with respect to the 5150 level underground workings.

A total of 5 bedrock samples were collected from rusty areas at various locations on the property. Each sample consisted of about 10 pounds of bedrock and each was analyzed by Bondar-Clegg and Co., Vancouver. Two of these samples were analyzed for gold, silver and tungsten and 3 were analyzed for silver, lead and zinc.

Rock samples were crushed to minus 150 mesh and silver, lead and zinc were analyzed as were the preceding soils, while tungsten was analyzed by the Colourimetric method following carbonate sinter extraction. Gold was analyzed by fire-assay extraction followed by Atomic Absorption.

The locations and results for these samples are shown on Figure 12. The highest sample contains 16 ppm silver.

In addition to rock geochem, 19 bedrock samples were collected from mineralized float or as chip samples from veins and were assayed for gold, silver, lead and zinc and some for tungsten. The No. 5 vein was resampled on the ridge crest and returned values of 0.05 oz/t gold, 10.06 oz/t silver, 6.19% lead and 0.11% zinc over a true width of 1.27 m (samples 86-1 and 86-2 Fig. 12). A previously unreported vein returned values of 0.17 oz/t gold, 2.76 oz/t silver, 1.85% lead and 0.50% zinc over a true width of 1.65 m. This vein is poorly exposed on a ridge crest on the Barb 23 claim some 1800 m southeast of the A. M. P. camp. The vein strikes N 15 degrees E and dips vertically

to 85 degrees W.

Other surface samples ranged from 0.02 to 0.09 oz/t gold and 0.76 to 19.1 oz/t Ag. The locations and results of these samples are shown on the accompanying Figure 12.

All assays were performed by Bondar-Clegg, Vancouver, B.C.

DIAMOND DRILLING

Three holes (AQ wireline) totalling 318.5 m were completed on the 5150 level as part of a previously recommended programme (Phendler, 1984). Holes 1 and 2 were drilled to locate the No. 5 vein and Hole 3 was drilled to explore down-dip projections of the Nos. 7 and 8 veins. Locations of these holes are shown on Figures 4, 8 and 13. In general, core recovery was generally very good. In logging this core, it was noted that pyrrhotite, which accompanies galena and sphalerite mineralization, is strongly magnetic. Significant intersections are tabulated as follows:

			Core				
Hole			Length	02	z/t		ક
No.	Dip	Intersection (Ft)	<u>(Ft)</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>
86-1	Flat	115.0 - 116.7	1.7	0.009	3.65	3.05	1.45
		155.0 - 156.3	1.3	0.033	12.66	4.75	2.60
		214.0 - 217.5	3.5	<0.∞2	0.05	0.04	<0.01
86-2	+ 44°	259.4 - 261.2	1.8	0.053	6.78	1.20	8.30

Significant intersections - continued

			601				
Hole			Length	oz	/t		<u>ፄ</u>
No.	Dip	Intersection (Ft)	<u>(Ft)</u>	Au	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>
86-3	Flat	166.2 - 170.0	3.8	0.005	0.21	0.06	1.46
		176.0 - 178.0	2.0	0.002	1.31	0.88	1.97
		263.8 - 266.7	2.9	0.007	1.63	0.60	0.75
		380.5 - 384.3	3.8	0.01	3.30	1.12	1.00
		392.8 - 393.3	0.5	0.102	4.89	3.55	11.00
		426.0 - 427.5	1.5	0.002	3.51	1.61	0.75

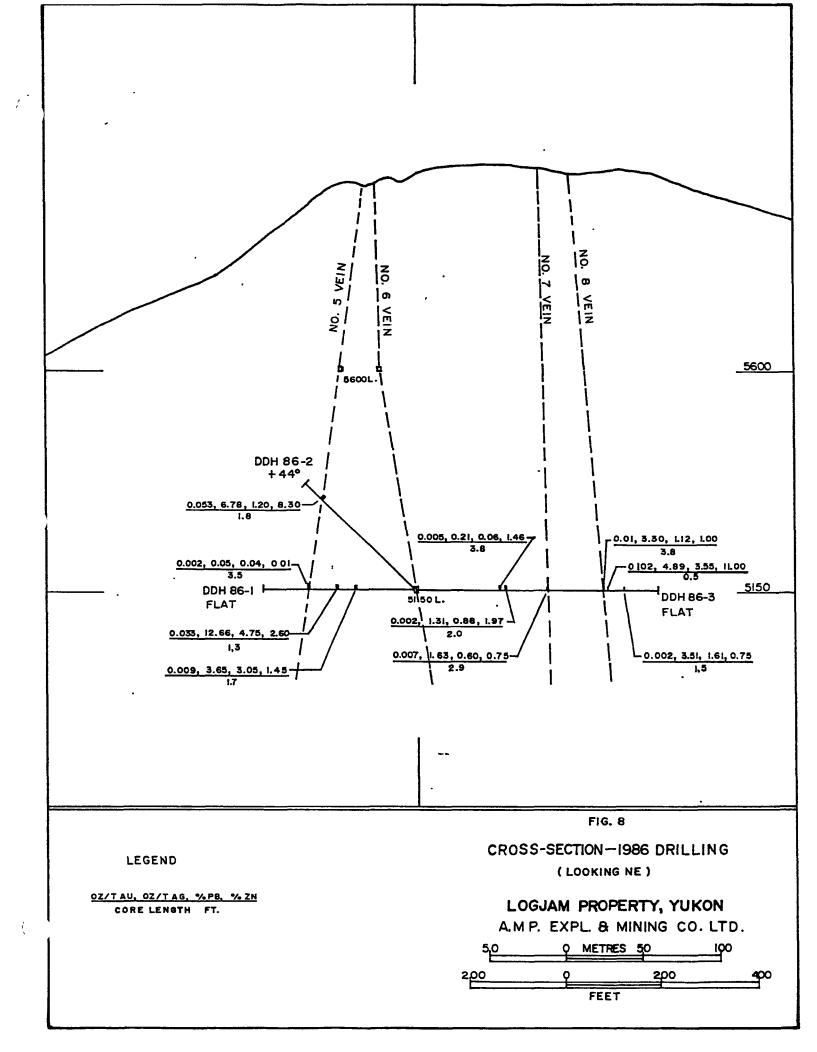
Core

The first two intersections in hole 1 are nearly true width and do not correlate with known veins. A weak intersection at 214.0-217.5 ft. correlates with the projected position of the No. 5 vein.

The intersection in hole 2 correlates well with the projected position of the No. 5 vein. The true width would be about 1.4 ft.

In hole 3 intersections at 263.8 - 266.7 and at 380.5 - 384.3 correlate with the projected positions of the No. 7 and No. 8 veins.

Details of starting and finishing dates, bearing and dip are included with accompanying drill logs. Hole 86-1 is stored at the A. M. P. office in Whitehorse, while holes 86-2 and 3 are stored on the property camp site.



NO. 4 VEIN DRIFTING - 5150 LEVEL

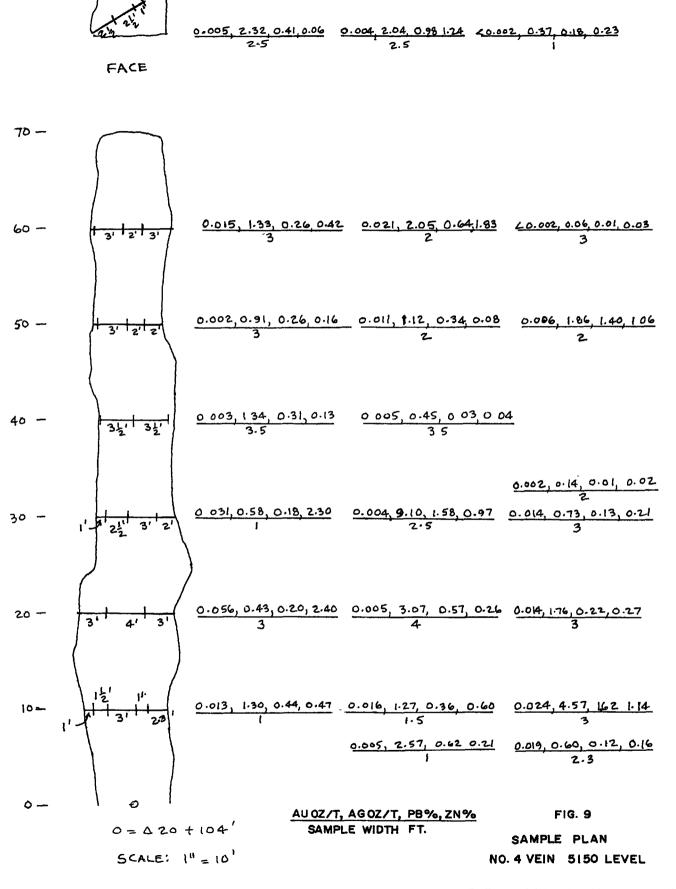
Drifting on the No. 4 vein commenced on September 8 and was completed on September 21, 1986. The 2.1 x 2.1 m drift advanced a total of 21 m in 12 shifts including 2 slashes. The drift followed a strong vein system containing pyrrhotite, pyrite, arsenopyrite, galena and sphalerite mineralization. Gangue consisted of massive quartz and sheared graphitic quartz.

The drift was mapped and chip sampled at 3 m intervals for a total of 25 samples. Chip sample assays for the best mineralization on the left side of the drift averaged 0.013 oz/t gold, 2.32 oz/t silver, 0.62% lead and 0.74% zinc over an average width of 1.76 m for the 21 m length. A composite sample made from muck samples from each round which would include lower grade from the right hand side of the drift averaged 0.013 oz/t gold, 2.25 oz/t silver, 0.48% lead, 0.56 % zinc, 0.02% bismuth, 1.45% arsenic, 0.02% tungsten and less than 0.01% tin.

Mapping and sampling are illustrated on Figs. 9 and 10. Total volume excavated is in excess of 92.6 cubic m.

DIAMOND DRILL HOLE SLASHES - NO. 6 VEIN DRIFT, 5150 LEVEL

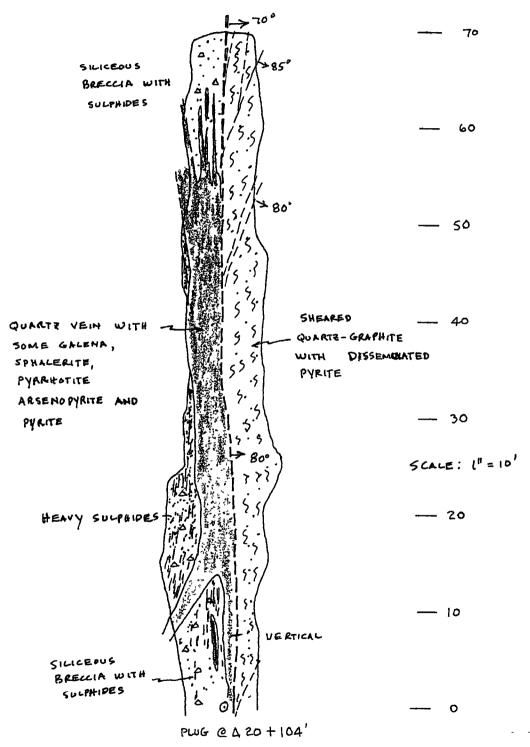
Four slashes were taken on the 5150 level No. 6 Vein drift west to allow room for diamond drilling. These slashes were not measured, however, 109 one ton cars were mucked out. This is roughly equivalent to 28.5 cubic m. but is probably somewhat less.



A.M.P. EXPLORATIONS & MINING CO. LTD.

40002, 1.98, 0.96, 1.68 £0002, 0.65, 0.30, 0.45

OCT. 22/86 D.C.M



A.M.P. EXPLORATIONS 8 MINING CO. LTD. 5150 L. NO. 4 VEIN DRIFT W. OCT. 22, 1986 D. C. M.

CERTIFICATE

I, David C. Miller, of 769 Fraser Street, Kamloops, B.C. V2C 3H1, hereby certify that:

- (1) I am a registered member of the Association of Professional Engineers of British Columbia No. 6338
- (2) I am a graduate of the University of British Columbia and received a B.A. Sc. in Geological Engineering in 1959.
- (3) I have practiced my profession continuously since that time and have had 9 years experience as an underground mine geologist including employment with Eldorado Nuclear and Cominco Ltd. and have had 18 years experience in surface exploration as both an employee and a consultant. Most of my experience has been in British Columbia and the Yukon.
- (4) I have no interest in the subject property nor do I own any shares of A. M. P. Exploration and Mining Co. Ltd.
- (5) This report is based on personal work at the property as a consultant and a study of previous data on the property.

D. C. Miller, P. Eng.

Al nella

December, 3, 1986

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 The Logtung Large Tonnage, Low-Grade W Mo Porphyry Deposit,

 South-Central Yukon Territory, in Economic Geology, Vol. 79, p.p.

 848 868.
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 Lake Mining Division, Yukon Territory, Engineering Report for A.

 M. P. Explorations and Mining Co. Ltd.
- Yen, W. T., 1980, An Investigation of the Recovery of Lead, Zinc, Gold and Silver from a sample submitted by Derry, Michener and Booth, Progress Report No. 1.

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AND TIME EMPLOYED IN PREPARING REPORT.

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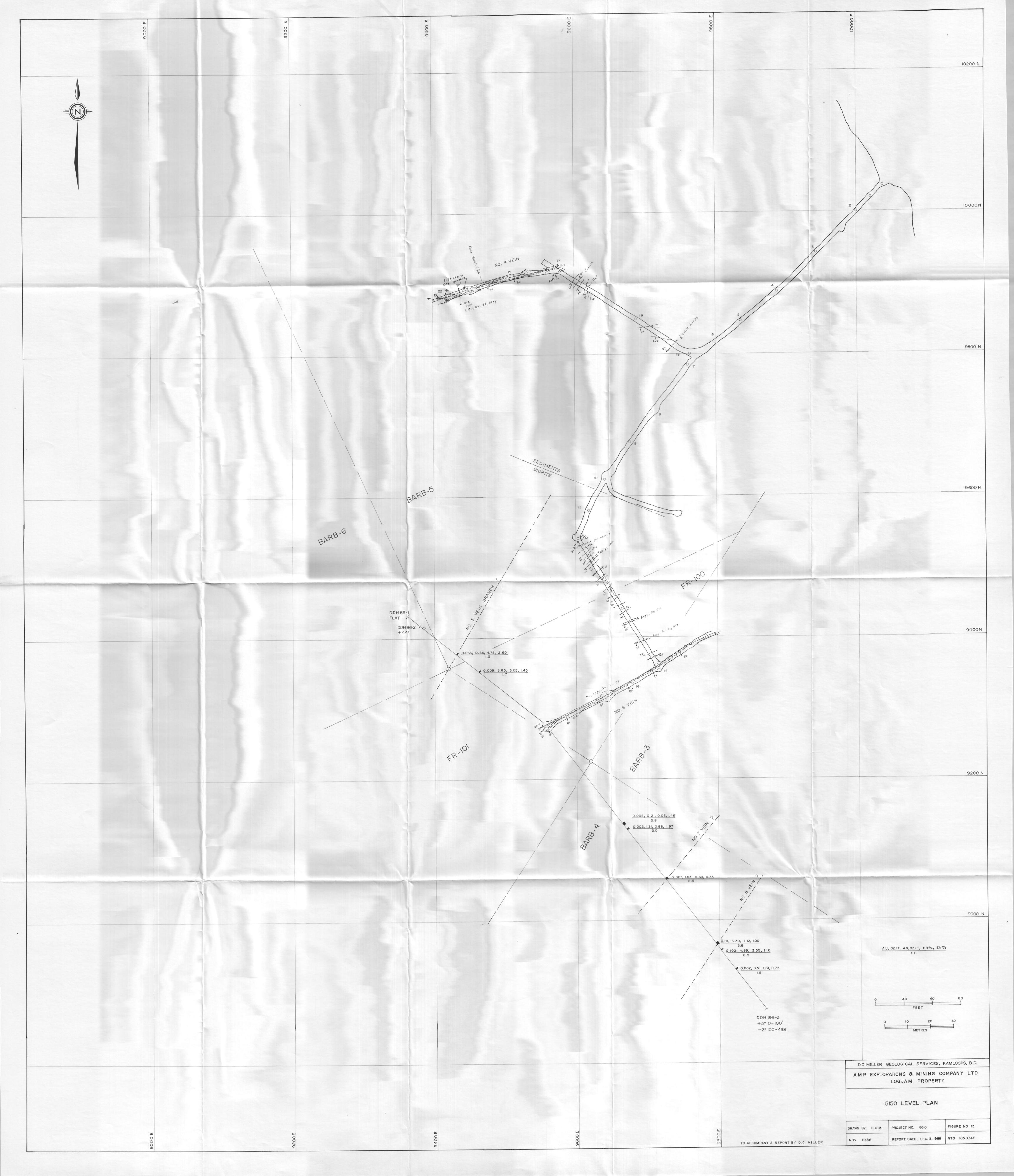
Hans Biersted, 12 Rosewood Place, Whitehorse, Yukon

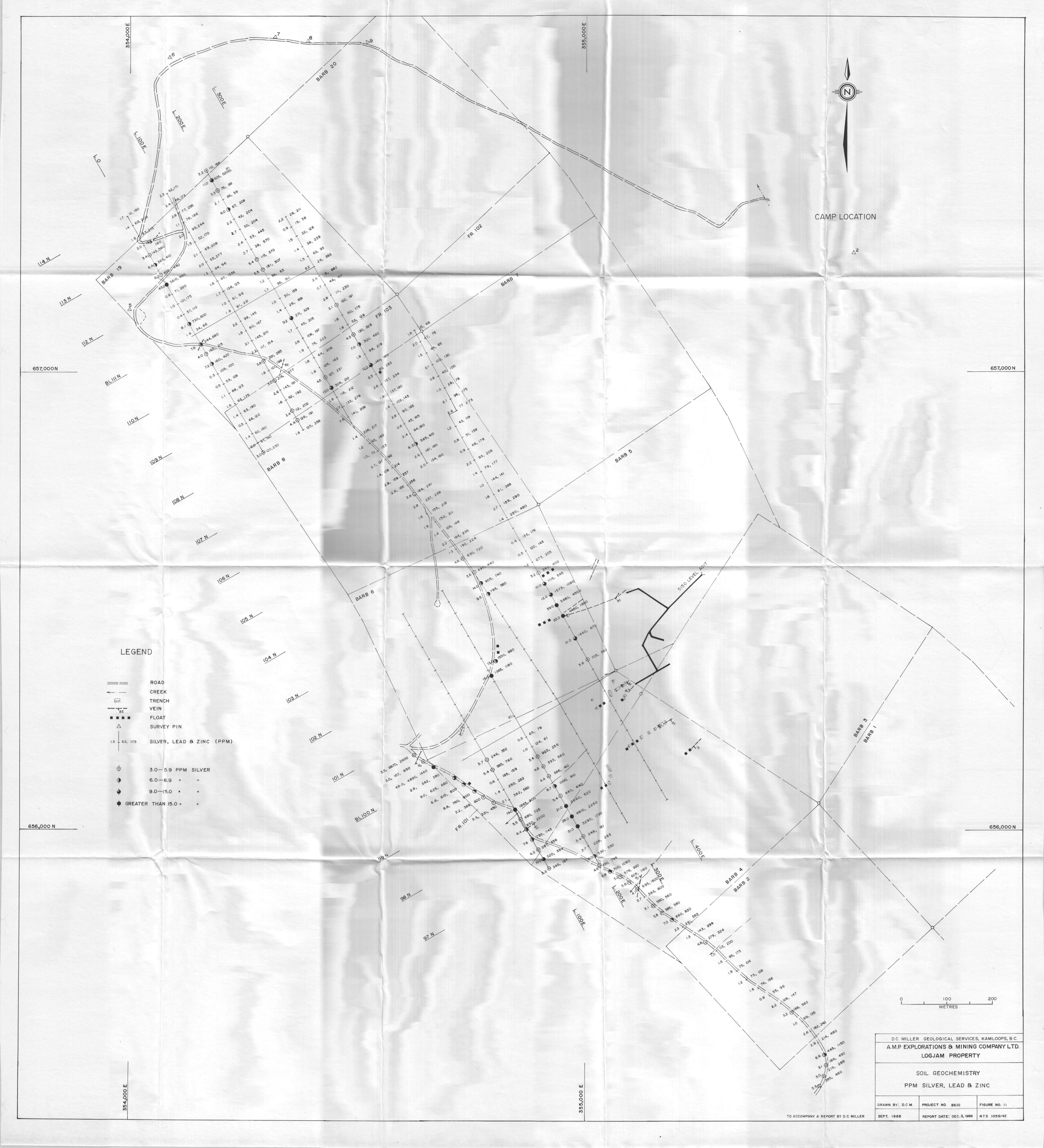
Peter Hildebrand, 14 Redwood Street, Whitehorse, Yukon

Derek Whyte, c/o ll Prospector Road, Whitehorse, Yukon

Fifteen days were spent preparing this report including all figures and reproduction.







OTA ROM	AGE TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	то	LENGTH			ASSAY	S	
	116.7		COHT'D									\bot
		ļ	(47.0-51.5) = 10% subrounded fragments of fine grained pa	e grey	altered	prei	ntrusio	e wil	<u>k. </u>			
]	(51.5 - 56.5) Xensleth showing fine banding		<u></u>							
		ł l	@ 20-30° WITH 150% Fine prown	_							ļ	_
		[]	(51.5 - 56.5) X emolith s (nowing fine banding (2 - 30° with 15°/o fine brown biotite passelled to banding. (50.2') - & calute healed fracture @ 70°. (640-68.4) - as (47.0-51.5). (62-7) - & qt2. healed fracture @ 60°.	_			<u> </u>				. 	_
		<u> </u>	(50.2) - 6" calcute healed fracture @ 700.								_	_
		<u> </u>	(640-684) - as (47.0-51.5).								ļ	\perp
		[(62.7) - La GAZ. healed fracture @ 600.								<u> </u>	
		<u> </u>	To the state of th			ļ						_
		<u> </u>	(65.0-65.6) Broken con 2-4" pieces with calcite healed									\perp
			time tractures @ c.o' - chlirite healed fracture		ļ						ļ	4
		<u> </u>	@ 20° - minor (27.) pyrrhotite - pyrite minera	4			ļ				-	\dashv
		<u> </u>	12 ation.			 	<u> </u>				-	4
						ļ	<u> </u>					4
		-	(681) - 6" calcute healed fracture Q 70°	_								4
		t 1		_						<u> </u>		4
			69.3 P1770,	<u> </u>								\dashv
					ļ		ļ			ļ	<u> </u>	_
			(68.3 - 69.2) Pule my fine gramed calcanous							<u> </u>		_
		-	(63.3 - 69.7) Pule gruy fine gramed calcanous inclusions and pale gruy fig district precin	_		,					ļ	4
		-								 	ļ	4
			69.7 -71.9 - Mottled grey decrite hybrid with 40%. Tounded inclusions of fine-grained siliceous.								<u> </u>	
		•	rounded inclusions of fine-grained siliceous							<u> </u>	<u> </u>	4
			preintrusive sediment with vague in distinct	-							ļ	4
			been da rice	-							ļ	4
		.	(71.9 - 739) white - grey calcarcous inclusion finely bounded & 55°; pitted leached broken core @				<u> </u>			 	 	4
		-	banded @ 55°; pitted leached broken come @	-		<u> </u>				-	<u> </u>	4
			(73.4-73.9), fractures @ 20-900.	-						ļ	 	4
						·				ļ		4
		-	(73.9 - 95.0) Diarito hybrid with 307. inclusions	 		,						+
		.	of silicrous fine grained aftered	<u> </u>								4
			sadiment; minor fine-grained - med grained	 							ļ	4
			dissaminated pyrobotite; prokon and									+
			ground cre @ (760 -77.5) & (87.0-81.5)							ļ		+
			occasional fine for 1055 white-gtz.	 								+
		-	culate healed tractures.	 								-}-
				 						 	 	+
	····	:	Cure summary (47.0-95.0) - Generally excellent core	<u> </u>								+
			except where noted inthe preceding	 								+
			except where noted in the preceding							 		+
		.								<u> </u>	<u> </u>	

оот,	AGE	SECTION	D.C.C.DUDTLON	NOTE: 4	L = LE65	THAN			Tall	ASSAY	c
FROM	то	l"=	DESCRIPTION	SAMPLE NO.	FROM	то	LENGTH	AU	Ac	Pb7.	2n7
0	116.7	contd.	(95.0 - 96.7) - as (73.9 - 95.0), broken, ground core @ 95.0 - 95.5.								
		<u>]</u>					<u> </u>]
		<u> </u>	(96.7 -103.0) - Pale Grey, were fine grained hybrid rock with 10% pyrototite mineralization	2874	96.7	103.0	6.3	20.002	0.03	0.02	0.01
];	rock with 10 % pyrhotite mineralization								
			and minor pysite, galena and sphalerite					J			<u> </u>
		ႃ	particularly @ (102.0-102.3).								
]									
		TE II	(1030-114.7) Dirite hybrid with 15 7. Irregular								
		7	rounded inclusions of time grained							_	
]	7. ! !	pale grey sediment, minor disseminated pyrhotik.								
		<u> </u>	purchotife.							1	
		T									
		7:	(1147-1160) Pale any fine-grained, as (96.7-103)								
		-}	(114.7-115.0) Pale gray, fine-grained, as (96.7-103) with 5% pyrrhetite disseminated of								
		1	in fine discontinuous veinlets.				- 				<u> </u>
		1	THE MISCOSITINODES VERTICAS.								1
		╬╏	(116 a - 142) Vila same with surplantide malace	7.875	1127	115.0	1 -9	60.002	0.03	40.01	60.01
	· · · · · · · · · · · · · · · · · · ·	- t	(115.0-116.7) Vein zone with pyrchotite-galena- sphalerite-parite uninexalization in quarte- culcite gangue; best at (115.0-115.2); core in 1-8" pieces with 600 breaks.		_115.4_	773.0	19	2.0.000		1	2007
		1 1	Survey of the mineral cases in goard	2826	115.0	116.7	1.7	0.009	1.65	3.05	1.45
		1	Partette gange, best as (13.6-115.6)			17.90.7		2.005		1 7.03	
		1	este la 1-0 ficces will co vitares 1								
_	155.6	1	D. 4 5 5							† · · · · · ·	
-/	155.0	-¶	DIORATE CONTRACTOR CONTRACTOR OF CONTRACTOR								
		1	Park grey- green, fine-grained granular							 	
		╂╢	hard, minor dissentrated pyrhatite moderately							 	
		-Մ - II	MANA, MINOR AISSON MALLA PYTHOTITE MINETALISATION							+	
		╂╎╏	(less than 170); good core in picces to 24 ft.							 	
		╂ 1 1				<u>'</u>				 	
		-∦	(116.7 - 1240) Fine - grained gradational from proceeding hybrid rock.							 	
		1	preceding hypria roa.							 	
		╂┤╢	(up production of the second o							 	
		1 1	(116.7 - 155.0) occasional white quarta - calcite vein							 	
		# 1 #	prom /1 /11 @ 40 - 800 /css than							1	
		╂╢	Circo and per 5.	2827	1543	155.0	0.7	20.002	0.19	0.02	0.05
		1	(154.3 - 155.0) - Finer grained with minor pyrehetite.	2001	124)	173.0		20,00	0.17	1 0,00	
		t 1 11								 	
	156.3	╂ ┆ ╟	1/. 2 . 4							 	
5.0	176.2	∦	Vein Zone	2020	100	1010		0.033	12.66	100	
		∦ ∦	ryprhotise - galena 7 sphaltrise - arsempyrite -	2028	155.0	156.3	/.3	<u> </u>	12.66	4.75	7-60
		╂ ┃ ┃	Pyrcholite - galena - sphalerite - arsenopyrite - Pyrite in a grey quartt - calcite matrix; mineralization 15 roughly bunded @ 70°;							 	
		-	mineralization 15 roughly bundled @ 10								
ŀ		⊪ I 1	good in .								

OOTAGE SECTI	DE CORIBEION	MITE	L = LE	SS THAN		৽ঽ	15	1 C C 1 V	c	
ROM TO I"≈	DESCRIPTION	SAMPLE NO	FROM	то	LENGTH	AU	A9 '	ASSAY	% 2n 4	V/8
56.3 214.0	DIORITE - as (116.7-155.0) - 997. (or Recove	4								Ŧ
	(156.3-1720) Excellent one in pieces to 2½'.									Ŧ
	(172.0 -7.140) More broken in 2-1'picces;			1						
	1 per fort @ 40-700 mainly of 1- raik: occusional 1 1 1 pyrobotic hould fracture & 16 8									-
	50-80°									#
140 2175	altered zne	2829	244.0	217.5	3.5	60.002	0.05	0.04	20.01	
	Pole grey - medium grey, reached	<u>. </u>		<u> </u>	 					+
	Pole grey - medium grey, leached pitted broken one with several grey attart veins tranding @ 30-50; union pyerhotile spenduite-galena mineralization; 85% core					ļ — Ţ		,		7
	secorey.									‡
7.5 7.43.0	Diorite Similar to 116.7 - 155.0 but has weak	2830	217.5	722.5	5.0	60.002	0.09	0.06	L0.01	Ŧ
HOUE	banded structure @ 65° coasisting of quarte of quartz -pyrrhotite quiena from 1/16" to 1", good core; 997. Ene recovery.									\top
	720,7 = 1 " galena bealed fraction @ 70"									$\frac{1}{1}$
	(232.0-243.0) Banded Structure weaker									+
	(219.5 - 220.5) Muon scheelite mineralization									丰
										+
										+
										‡
								1		1
			1					1		丰

(650-713) Pale med-grey calcureous.

(Ar 92) - (mad row - 95%, recovered.

D.C. MILLER GEOLOGICAL SERVICES FOOTAGE SECTION ASSAYS DESCRIPTION SAMPLE NO. FROM LENGTH CONID 114.0 92.2) Pyerhotite with 1/9" quartz-calcula healed fracture & 300 (93.0) - pyernetite " " heales calcite (97.0) - Graphite & healed fracture 1 " 0 70°. healed fracture \$50' (96.5-98.9) - Minor pyrrhotite pyrite and 5phalorite
usgaciated with quartz-calcite healed fractures (1023-104.5) - Broken core associated with several quarte-calute healed fractures to I width (106.0-106.3), (107.4 -108.0) of (111.5-113.0) unner

pyrhotite associated with several fine
fractures @ 30-40. 114.0 2250 PIDRITE # HYBRID ROCK mainly very fine grained. (119.0) - minor pyrrhotite with 1/16" fracture @ 10'. (120.5-121.0) - Pyrrhotite + sphalerite and chalcopyrite
with 1" quartz -calcute healed fractures (125.0-139.0) Occasional quartz-cascite healed fructures to 1 " Size @ 30-60: (ore Recovery 99 5/4 @ (92-0-133.5). (139.0-187.0) - Generally blacky and booken come. (46.0 - 150.0) - Core broken into 1-4" pieces: associated with several quarte-calcite nealed fractures @ 70-40.

FOOTA	\GE	SECTION	DESCRIPTION						ASSAY	e	
FROM	TO	("=	DESCRIPTION .	SAMPLE NO.	FROM	TO	LENGTH	 	433MI	<u> </u>	
1140	2250	ł I	(151.0 - 152 0) Broken come associated with several 1"						Ţ	· · ·	
	<u> </u>		(151.0 - 152 0) Broken come associated with squeral 1" quarte healed fractures @ 450, bleached pale 16 green gr	4			- 	 	 	 	
			Mainur overhabite the fine fractures o Various anales				 	 	 		+-
		}	Minor pyrrhetite with fine fractures e Various angles @ (153.8-155.0), (1575-157.8) and (159.5-159.6).						-		
		f	(159.5-1677) Bleached green gray; a speciated with several tractures and small quarte veins						1		
		I F	several tractures and small quarte veins			<u></u>		 		<u> </u>	
		$f \mid \cdot \mid$	0 10-50°; pyrohotite e (166.5'- 166.7) in fine					 			\vdash
			·								\bot
		╬┤	(169.2) - 1" quartz - enleite vein @ 25° will minor pyrchottle - sphaleuits. (167.5) - 1" quartz - enleite vein @ 10° " "		 	 			 	 	+
		<u> </u>	(167.5) - " quartz - calcite vein 0 10° " "								
		<u> </u>	pyrnetite - sphalecite.					 		<u> </u>	-
		[(175-180.3) - Broken one associated with several					 			+
] -	fractures and fine quartz veins @ 20-70:								\vdash
			Minor preshatite disseminated of associated with fine								
	-	<u> </u>	Minor pyrobotite disseminated of associated with fine fractures @ (173.8-174.0), (180.0-180.2) el[183-184.5)					 -	 		┼
			(184.5-185.1) - quartz-calcite vein Q 40-70° with								
			(184.5-185.1) - Quartz-calcite vein Q 40-70° with truces of pyrrholite.		ļ					 	\vdash
			(139.0-187.0) prost tractures trend @ 30-50'								
		-	and average more than I per tout.		<u> </u>		 	-	 		
			Core Remany: (139.0 - 143.0) - 99%; (1430-148.0) - 66%; (148.0 - 150.0) - 90%; (150.0-178.5) - 99%; (170.5-180) - 95%; (180.0-1870) - 99%; (187.0-190.5) - 77%; (190.5 - 199.0) - 87%; (199-209) - 95%; (29-224) - 90%;								
		-	664/6; (148.0 - 150.0) - 90%; (150.0-170.5) -				 	 	 -		╀
			(160 0 - 1905) - 707 (1905 - 199 0) - 4207					 	 		-
	-		(199-209) - 9,07; hag-224)-90%;								
		<u> </u>	(-24-23C) - 95.7.				ļ	 		 	ļ
								 	 		-
	-	-					-	 	 	 	
								 	ļ		
		t		1			1	1	i '	1	i i

HOLE NO. 86-7

TOC		SECTION	DESCRIPTION		T	T		02/	r i	ASSAY	S .
ROM	ТО	("= :		SAMPLE NO	FROM	то	LENGTH	Au	Ag	Ph?	7n %
4.0	225.0	-	CONTD	<u> </u>	<u> </u>					<u> </u>	<u> </u>
		F		<u> </u>	<u> </u>	<u> </u>					<u> </u>
		<u> </u>	(187.0 -195.0) - Minor pyrchotite-printe	<u> </u>							ļ
		-	(187.0 -195.0) - minor pyrchotite-pipute minoralization associated with very fine hair fractures @ 0 - 90°, 1055	J			ļ				
· '		[Fine hair fractures @ 0 - 900, 1055	 							
			than I fracture / fret.	ļ	ļ <u></u>						<u> </u>
			, , , , , , , , , , , , , , , , , , , ,			<u> </u>					
		[(195.0 - 204.0) - 47. pyrrhotite - pyrite with traces		<u>_</u>	Ŀ <u>-</u>					
		<u> </u>	of cohalerite conscious with numerous								
		}	fine fractures Q 0-60 - several fractures	H	1						<u></u>
			per fret; e broken, oxidized rose @ 198.0-199.0; occasional larger quartz- calcute vein @ 15-70. to 1" thickness.								
		Ł	190.0-199.0' occasional larger avartz-								
		F	culcute your @ 15-70. to 1" thickness.								
			2								
		-	(2040-2075) - Fewer fractures but some								
		F	disseminated pyrinotite, weakly								
			calcarcous							1	
		-	CALCATEBUS			<u> </u>				 	·
			(2070 - 2115) 1 - 15 m - 15 chapter lander 1246								
			(2075 - 211.5) calcareous slightly leached with							 	
			fractures - 2" soft proken, bleached @								
		.	28.6' -possible fault.							 	
		} } }	Land and a description of the second of the							<u> </u>	
			(2115-236.0) minor pyrohotite with relatively few fine fractures @ 10-50.				 				
		.	few fine fructures @ 10-50.	<u> </u>			 				
		.]	(211.5 - 212.3) - quartz - calcite precia zone.								
		.	(218.0) - 1" calente healed fractice @ 25',				1		·		
			(219.7) I " " e 15°.							 	
		-	1619:1)								
			(222.3) - 3" quarts - carponate vein @ 40° with 100% p	ucch a ble						 	
			(according to a guarte - carnomic vein to 40 with 10 10 1	471 Marine					. ,		
		-	(236.0-304.0) cre Resorry (236.0-244.0) - 9176	-			 			<u> </u>	
			(236.6 - 7.44.0) - 27.6						· · · · · · · · · · · · · · · · · · ·		
 }		:	(244.0 - 304.0) - 957						···		
		.	D. O.TE March 1 1 1 1 2 2 2 1								
0	254.0	: :	DIORITE Modium to dark gry, fine grand grander,				 				
		- -	cut by a number of fine fractures						· 		
			@ 75-450 (3-10 per ft.) which have								
		: 1 11-	bleached edges and the more parts								
		: -	Fracture clensity increases towards				-				
		. -	Fracture Clensity in creases towards								
- 1		·	254.0 - overell content about 37 pyrchetite;	. 1							

HOLE NO. 86-2

SHEET DOFS

FOOTAGE	SECTION	DESCRIPTION	۷:	= LESS	THAN		02.	/ TUN	ASSAY,	9	
ROM TO	l"=	DESCRIPTION	SAMPLE NO	FROM	то	LENGTH	Αυ	A-5	Pby	7 7 7°	<u>-</u>
	# -		_					<u> </u>			+
54.0 259.4	<u> </u>	PYKE FINE GRAINED DIOMIR			<u></u>						+
	╂╏	Grey, aphanitic matrix with 15%		 				 -		 	+
	∦ ∦-	an hadral piotite and foldsper phenocrycts;		ļ	<u> </u>	ļ	 -			 	╬
	╂╟	cut by a large number (~ 10 / ft average)			 		<u> </u>		- 		+
	∦- │ ╟	PYRE FINE CORMINED DIDENTE Griy, aphanitic matrix with 15%. an heard pintite and foldsper phenocrycts: cut by a large number (~ 10 / ft average) of fine fractures @ 40-60° healed by pyrrhotete; the larger fractures (1/8") have bleached edges; good core.	-	-		<u></u>			-	 	+
-	-{}	pyrchoteti the augus fractures (1/8")					 		 		十
	-1 -	have bleached edges; good core.	<u> </u>								╬
	╫╟										十
59.4 261.2	╢┪	1/4 7-0-4	2871	257.4	2594	2.0	20.002	0.15	0.02	0.01	+
201.1	∦ ⊦	Vein Zone	2872	2594	261.2	1.8	0.053	6.78		8.30	T
	T	Brown - nove displaced pitted leached	2873	261.2	7.62.2	1.0	2005	0.06		0.01	1
	1:	procediated, broken come (1-2" pieces)			,						T
	16 17	with etrang fra prochetite - proster									Ţ
	1	avsenonverte + Sulve Conti - galerin in a									Τ
	1 [with strong tog. pyrchetite-pyrite- arsenpyrite + sphe Conti-galena in a calcite (Biderite) - quartz matrix; 80%.								1	Τ
	<u>t</u>	Core recovery.							1		
] [I
61.8 3040	}	DIORITE	<u> </u>								1
END OF	<u> </u>	Medium - dark grey f. g. grunular									1
HOLE	# -	texture, moderately hard, good one in	_								1
		preces to 21 ft; contains relatively few									\perp
<u></u>	₽ -	tractures (average about 1 per 3 (+)							ļ		╀
	# -	healed by quartz - calcute + pyrchotite.		<u>.</u>					 		4
	Ł.I⊩	Fructured range from 1655 'than 1/16" up	 						 		╁
	{F -	Medium - dark grey f. g. granular texture, moderately hard, good one in pieces to 7½ ft; contains relatively few tractures (average about 1 per 3 ft) healed by guartz - caleste + pyrchetits o. Fructures range from 1655 than 1/16" up to 1" und trend & 10 - 70°.							 		╁
	∦ <u> </u> -	· · · · · · · · · · · · · · · · · · ·							 		╁
	1 1-	Broken come @ (261.2 -263.0) and (281-284).							 		+
	╬╢		1						 		+
	╟╎╟										t
	{		1								†
											T
											T
											Γ
											Γ
											Ĺ
											L
	}		<u> </u>								Ŀ
	n. 1 II				L.	- 41				,	

D.C.	MILLE	R GEOL	OGICAL SERVICES		DRILL LOG		HOL	E N	10	86-3	<u>.</u>			V::LL -	LOF
PROPERTY	Y		TP OR AREA	AZIMUTH	DATE STARTED		CORREC	TED D	IP TE	STS	L	CATION	SKETCH OF	HOLE	
A.n	<i>~</i>		SISO LEVEL	142°	OCT. 6/86	<u>_</u>	200	-20		_					
PROJECT			LOT & CONC.	DIP	DATE COMPLETED	1.	400'	-20	ļ	_					
CLAIM NO.			NO 6 VEIN PRIFT WEST	15° 0 COLLAR.					 	-		<= LE	SS THAN	J	
	100 FR	A-C-TIAN	GO-ONDINATES:	498.0 FT.	DRILLED BY A.M.P. EXA.	PATIONS			1		1				
GRID NO.	(55)			COLLAR ELEV.	LOGGED BY				1	-	1				
			- '	<u> </u>	D.C MILL	ra									
FOOTA	GE	SECTION	4	ESCRIPTION			•				0.5	=/1	1 C C 1 V	c	
FROM	ТО	j"=		LSCRIP IÇIV		SAMPLE N	O. FROM	4	то	LENGTH	AU	Ag '	, Pb 9	S Zny	6
O	10.0		DIORITE			2857	C		2.5	0.5	40.002	1	20.01	L0.01	Ι
		F	Purla grey	fine - med. grained	granular			_			<u></u>	ļ		ļ	\perp
		F	texture with	prominent ashedre	L brotite;	ļ	_				 	ļ	ļ	ļ	4
		F	Contains approx.	2% disseminated py	to hotile and	 		\dashv			<u> </u>	 	 		+
			push gray fexture with contains approx. pyrite-pyrabotite ula capproximately	I me ft G	1 10-80°-		+				┨		1		+
		F	1n 7-0" 2166	es: Recovery = 80	7.						1		1		†
		F	Pyrrhotite is ste	engly magnetic.								· · · · · · · · · · · · · · · · · · ·			1
		-	(0'-0.5) Apha	ongly magnetic. nutic with 10% of	C.g. pyrrholite-p	yrite .									1
		t									.		<u> </u>	<u> </u>	1
10.0	106.0	<u> </u>	DIVANTE HYBRIO								ļ 		1	ļ	+
		<u> </u>	Ma meller	clark and are	elements.		+				 		 		+
			f. a. but w	chark grey pres the variable fexture	i and coo.						 			 	†
			7) 										Ī
			(10.0 - 17.5) Upprox	27. desseminated	of fine										1
		<u> </u>		of pyrohotite.									ļ	ļ	1
		-	1	<u>'</u>								0-11	 	20.01	╀
			(17.5 - 19.0) Qua	tfz-calcite vein z	ine with	Z858	7.	5-1-4	9.0	1.5	0.004	0.11	0.01	20.01	╁
		[Ch.	pyrrhotite with py	1 4 4			\neg					1	1	†
															1
		F	(19.0 - 35.0) Appro	x. No pyrchotite.	& disseminations	ļ		_					ļ		1
		-	4 640	e veins with large	(to 3 a)						<u> </u>		 	ļ	+
			quar	+2-calcite veins co	19.0 -23.0)						 		<u> </u>	 	+
			<u></u>				-	$\neg \neg$							1
			unha	dred secondary history	1c: 2 12 purchoti	tc ·									I
				- 7	, , ,										1
			1. every (10.0 -	47.0) - 95%			_		<u> </u>		 		1	 	+
			1							· · ·	 		 		+
							-						 	 	+
-		-					-							·	1
							-	.							
	 [[. [1.	1		***************************************	11		I .	1	1

!

HOLE NO. _______

TOC	AGE	SECTION	DESCRIPTION							ASSAY	'S	
ROM	TO	l"=	DESCRIPTION	SAMPLE NO.	FROM	то	LENGTH					
		}	DIORITE - HYBRID	 					<u> </u>			
0.0	106.0	F	-CONTO	<u> </u>								
		<u> </u>										\perp
		} i	(475-63.0) - Med. grey-green, f.g-aphenilic,	 			<u> </u>		ļ			_ _
		F	(475-63.0) - Med. grey - green, f.g - aphanilic,			<u></u>		·				_ _
			uning sig unhedred feldger of	 			<u> </u>					\perp
		}	biotite crystals; approx 2.7. pyrchotits as dess eminations and along fine									_ _
		[as dess enjurations and along fine						<u></u>			$_{L}$
		<u> </u>	ghartz healed fractures @ 40-70",							<u> </u>		4
		}	approx. I pu ft.						1			\bot
		[
		ᆫ	(63.0-63.8) - Quartz - pyrchotite vein @ 200 - 211 thick - disseminated pyrchotite with									
		FI	thick - disseminated exchatite with						1			\top
		t 1 1	traces of pyrete and chalcopyrite.			•						\top
		-	7,000			,						\top
		[(63.8 - 67.10) - as 47.5-630, good con				1		 	1	1	_
		}	(67.6 - 07.6) - us 47.5 · cs 0 / work con	J		<u> </u>	1		 	-	1	+
							 		 	 		+
		-	(67.0 - 68:2) - Pale allered you will goartz-				 		 	 	·	
		. ! !	pyrotate @ 0-100-fraces of						 	 		+
		[3 phalesele.	 			- 		 	 		+
		- 1 1	(67.0 - 68.2) - Pale altered you with quartz- pyrphotite. Q 0 - 100 - traces of phalesite: (68.2 ~ 69.1) 90% fig brown biotite:							 		+
				<u> </u>					 	 		
		t 1	- (69.1 - 83.0) - as (47.5-63.0), grain size and				-{ 		ļ	 	 	- -
		- 11	percentage of phenocrysts increasing: upprex. 20(pyrrhotito as fine vein fillings; veins @ 10-20 with bleached edges; good core	}			 			 	 	- -
			upprex. 2 % pyrrhotito as fine				ļ		ļ	 		- -
			VEIN Fillings; VIINS (10-80° WITH	 					ļ	 	 	- -
			blouched edges; good core						<u> </u>	 	 	- -
							. .			 	<u> </u>	1
		.	(83.6 90.0) - fromment biotite (an hedral) phenocysts						ļ	<u> </u>		_
		_	approx 170 pyrrhotite with fine							ļ	ļ	_ _
			approx 100 pyrohotite with fine quarte veinlets - less than I per ftign							<u> </u>	<u> </u>	\bot
[word one.	[[<u>[</u>	<u></u>	_/_
		.	(<u> </u>					\perp
		-	(90-0-91.0) - Light colored granitic stringer @								<u> </u>	L
			0-20.									$oldsymbol{ol}}}}}}}}}}}}}}}$
		<u> </u>										
		.	(910-940) - as (83.0-90.0).									
												T
\neg			(94.0-95.0) - 757, aplific stringers (2" sign)						l			T
-			9 80°									十
$\neg \neg$				·								1
	———[. [con Runnery 47 45.0 = 49 %	 -			 -			 	l	+-

FOOTA	GF	SECTION									_	
FROM	TO	1°=	DESCRIPTION	SAMPLE NO	FROM	то	LENGTH	1021	TON	ASSAY	S	
			PIORITE HYBRID CONT'D]					·	4
				<u> </u>	 	 	ļ	 		 	 	4
		+	(95.0-106.0) - Corry, mainly very fine grained, cut by 100/6 - 1-3" aplitic stringers @ 10-80°, good ere; approx. 10/6 pyrchotite as fine vein fellinge		ļ	 	 	 	 	 	 	4
		#	cut by 10% -1-3" aplitic stringers		 			 	 	 	 	_
		t	@ 10-80°, good we ; approx. 1 %	-{ 	 	 	 		 		 	_
	· · · · · · · · · · · · · · · · · · ·	†	pyechotite as fine vein filling			 	 					
											•	_
106.0	16682	# <u> </u>	<u> Pionte</u>]	 -		 	
		#	Park gray fine - med, granuel granular texture, moderately hand, good core.	 	<u></u>	<u> </u>	ļ	 		<u> </u>	 	_
	<u> </u>	∦ N	texture moderately hard, good core.	1	ļ	 	 	 	 	 	 	-
		╊╏	,	 		 	 	 	 	 	 	_
		∦F ∦	(113.0-117.0) - 10% granitic-aplitic stringers	- 	 	 	 	 	 	 		-
		# 1 #	to 3" thick.			 	 	 	 	 		_
		 	(vin and control of the state o		 -	 		 	 		 	_
		∄ ∥	(118.0 - 138.0) - MEANY FINE-Grained GISSEMINATED	 		 		 	 		 	-
		#	pyrowite - approx 6%.	+4.	 	 	 	 	 		 	
	· · · · · · · · · · · · · · · · · · ·	1.	(1320 - 166.2) - Approx 40/0 dessiminated & VEIN PYPE	11/e .	 	 -	 	 	 	- -	 	-
		╂ ╽╟	(118.0 - 138.0) - Heavy fine-grained clisseminated pyrchotite - approx 6%. (138.0 - 166.2) - Approx 40% dessiminated of Vein pyrr core Recovery (95.0 - 166.2) = 95%.	╂	 	 	 	 			 	-
			(1516-151.8) - Broken with clay googe - 30 Fract						1			_
<u> </u>	 -	<u> </u>		II.			<u> </u>	ļ	ļ			_
		£	(153.4 - 166.2) - occasional (1 per 2') fractures with quanty -calcute - pyrite @ 60-80'	4	ļ	 	 	 	 -	 	 	4
		╂╢	with quarty-calcute-pyrite @ 60-80			 	 	 	 	 	 	-
•		{	7 1 1 1 1	-			 	 	 	 	 	-
		\$	3 2			 	 	 	 	 	 	-
166.2	178.0	╬╏	VEIN ZONE	1	 	1	 		 	†	 	_
		1t 1	made - note and whenly wants accurate	1			 				1	_
		#	med pale grey, moinly quartz ganque with lesser earbonate, banded structure Q	1							1	-
		1F I	70° - 50°, banded and disseminated suiphedes								T .	_
]t f	comprising pyrrhotite overte assensevate.									
			sphaleite and mina galena; good core -									
			754 recovery									
			,-1-									
			(166.2 -170.0) - fair sulphides	2959	1662	170.0	3.8	0.005	0.21	0.06	1.46	4
	-		(170.0 - 172.6) - weak sulpuides - mainly pyrchotite	7860	1700	172.6	26	20.002	0.07	20.01	20.01	+
	,	<u> </u>	(172.6 - 174.0) - barren while quartz-fine 70°	2861	172.6	174.0	1.4	0.002	0.09	0.02	20.01	\dashv
		<u> </u>	banding	00/2				0.002	0.00	0.01	20.01	+
		┝╴╎╟	(174.0-176.6) - weak 50/phides	2862	1740	176.0	7.0					+
ľ			(176.0-172.0) - fair sulphides	2863	in a		2.0	0.002	1.31	0.88	1.97	١

OOTA	GE	SECTION	DESCRIPTION		C = L	=55 T#1		04/	ron .	ASSAY:	S	4
FROM	ТО	I [#] =	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Αυ	Ag	ASSAY	Zn D	·
178.0	120 1		2124.56	2864	170 6	179.4	1.4	/0.007	0.06	20.01	1001	 -
175.0	117.4		PLORITE And and Was fine scaned weekly	2007	110.0	1119.7	1-1-4	2000		12000	20.01	
			med grey, very fine grained, weakly mineralized with pyrohotile and pyrite.							•		
14.4.	728.2		DIGRITE	<u> </u>		 	 					
1.4	7	-	hard to clock most fine most annext anhedred									
			med. to dark grey, fine - med. grained anhedred granular toxture; excellent one in pieces to 21.				-					
			(179.4-186.2) Veined by 10% pale granitic			ļ	ļ					
			(179.4-186.2) Veined by 10% pale granitic Steingers to 4° width @ 40-70°; 1855			 	 					
		-	than 10% pyrohatite as disseminatures and veins.									
		[(186.2 - 189.6) Pale green gry uphanitic inclusion with disvitic stringers, less than 19.			ļ				<u> </u>	ļ	
		}	with disvitic stringers; less than 1%.			 	ļ				 	 -
			disseminated pyrotopite.	<u> </u>		 	-					
			(189.6 - 228.2) Med - clark grey granular textore, excellent core gg? necovery; munor inclusions of finer grained									<u> </u>
			excellent one 99% recovery;			 	 			 	<u> </u>	ļ
			minor inclusions of finer grained			 	ļ			 	<u> </u>	
			rock; local vague 70° banding;			 	 			 	 	
		F	os casional fine quartz - a quartz -				 			 	 	
			pyronotite healed fractore - average				<u> </u>				 ·	
			WALKING to A Woodth : lass there									
			12. nurch tite - write as dissensing ations				 			† 		
		<u> </u>	u bout 1 / ft.; 5% granific Veining to 4" width; less than 1% pyrrhetic-pyrite as disseminations and veins.	_								
		-	· ·						· · · · · · · · · · · · · · · · · · ·			
28-2	241.3		DYKE / FINE CRAINED DIORITE									
		-	Bark grey apparents - fine-grained,				ļ			<u> </u>		
			traces of disseminated pyrchatite; 94 % core				 			 		
			rccovery			ļ	-				ļ	ļ
		-					 			 	 	
1.3_	763.8		DIORITE			ļ	 			 	 	}
			Dank grey, fig. an hechal, granular texture; traces of pyrchotite and pyrite; excellent gore, 99% recovery.				 			 		
		-	texture; traces of pyrchotite and pyrite;							 		
			CYCCIICHT SOFE, 74-1. ECCOPTRY.									
		.	-									
	. 1	.		1			! 1			1	l	1

OOTA		SECTION	DESCRIPTION	<u> </u>			,	02./	TOH !	SSAY	5	
FROM	TO	1" =		SAMPLE NO.	FROM	то	LENGTH	Αυ	Ag	<i>% ₽Ь</i>	S % 7n	
243.8	266.7		VEIN ZOME				<u> </u>		<u> </u>			
		L I	white to dark grey, mainly quartz gangue with minor calcide; carries about 107. sulphides including pyrrhatite, pyrite and arsenopyrite as fine vein fillings, rough 70° banding; fair	2865	263.8	266.7	2.9	0.067	1.63	0.60	0.75	
		•	with mino calife: carcies about 10% sulphides							•		
			including pyrholite pyrite and arsenopyrite				l					
		<u> </u>	as fine vein fillings rough 70° banding; fair							ļ		<u> </u>
			care in 2-10 " pieces, 967, recovery.									ļ
				ļ	ļ	ļ	ļ <u> </u>	ļ		 	 	ļ
467						 		 	 	 	 	╫
<u>. 66 · /</u>	335		DIDENTE DOLLAR OF STREET	<u></u>	<u> </u>					 		
	,	[-]	of white Callering and dork no fire manual				 			<u> </u>		
			Dark grey fine-grained anhedred aggregate of white feldspor and dark matics, mainly biotite; + ruses of pyrrhotite - pyrite mineralization									┢
			as disseminations and time (1055 + com 1/16" vains);							1		1
		<u> </u>	excellent cre, 997. recovery.									
		F										
			(2813) - 1" qtz-pyrite vein @ 60".									
		L	4 1 1/									
		<u> </u>								ļ		<u> </u>
	···	}	(302.3) - 3" at2- pyrite vein @ 80 with a							ļ	<u> </u>	
		F				ļ <u></u>			ļ	<u> </u>	<u> </u>	
			either side with fine pyrite veinlets.	<u> </u>		 	ļ		 	 		
			either side with fine pyrite veinlets.						 			
		-	(2022) 2" har Kan care accounted with country									
			(307.7) 3" broken core associated with quarter- chlorite healed fracture @ 70°.						·			
		+	4"									
		F	•									
36.0	380.5	ļ	DIORISE									
	, , ,	<u> </u>	Similar to preceding but now darker gray and finer grained occasional L" or 1155									
		Ł 1 1	cend finer grained; occasional 1" or 1155								ļ	
		F	quarte veins @ 15-70° excellent con in			,					 '	
			quarte veins @ 15-70°; excellent core in pieces to 24; rare pyerhotite as fine				ļ					
		ț	voins (1/16 on 1053) and fine disseminations; 95%				<u> </u>				 	
		t 1 1	Core recovery.	<u></u>				<u> </u>			 	
		-	(356.1) 1/8" calcite-quartz healed tracture with								 	
			(356.1) 1/8" calcite-quartz healed fracture with				 					-
												
			(361.0-3736) - 10 % lighter colored granitic to applithe stringers ({e - 20 widths) maining @ 56-600.									
			Militia Stringers (} - & wiaths!									
	•	-	(37051) - 1/8 quenty - calcite healed fracture @ 45°.									

FOOT	\GE	SECTION		2	= LES	S THAN		03/	Tay		_
FROM	ТО	I# ==	DESCRIPTION	SAMPLE NO	FROM	то	LENGTH		A 2	ASSAY	5 %
					 			1	 	1	1
335	380.5		CONT'O			,					
			•								
			(350.5) = 2" quarte vain & 70° with minor							,	
		F _	pyrchotite.		<u> </u>	ļ	ļ	 	ļ		ļ
		- -		_	<u> </u>				ļ <u>. </u>	_	
380.5	384.3_	-	MINERALIZED DIORITE	2831	380.5	3843	3.8	0.01	3.30	1.12	1.50
			Medium grey-green, time-grained granslar to very					<u> </u>			
			sine- examined near mineralized fractures at						<u> </u>		
			fine- grand near mineralized fractures at 10-70 which are present @ (380.5-381.0) and (384.0-384.3); mineralization consists of very					 			ļ
		- -	(304.0-384.3); mineralization consists of very		ļ				<u> </u>		
	ļ	:	time-grained pyrite, pyrhotite, galena and sphalelike	will quar	2 Voing	9;			. 	J	ļ
		-	good come - 95 % recovery.	- 	ļ	ļ	 	 		-	
		- -		_	ļ			 	<u> </u>	 -	
384.3	3913	· -	D. a. 176	- 	-		 			 	
			DIORITE CONTROL CONTRO	1	<u> </u>						
		· -	aggregate at feldspar and matres (mainly biotite);		1		1				
			cut by accasional quartz-calcite-pyrrhotite								
			voulet (1035 than I'm thick with up to 1" of								
		-	of accompanying afteration which randors adjucent	-							
		-	core very fine-grained); govel core 95% recovery.	<u> </u>				 	 	<u> </u>	 -
		- -		┧				 	<u> </u>	<u> </u>	
391.3	392.8		MINERALIZED DIORITE								
			A*		<u> </u>	 	ļ	<u> </u>	 	<u> </u>	ļ
<u> </u>		: -	AS 380.5-384.5 , 95% recovery very week	2832	3913_	392.8	1.5	K 0.002	0.18	0.06	0.06
		: <u> </u> _	mineralization; virtually all pyrite of pyrihotite.		ļ			 	ļ	 	 ——
392.8	393.3	- -	YEIN					 	-	1	
		. -	broken ground core 66% recovery.	2833	392.8	393.3_	<u> </u>	0.02	4.89	3.55	11.00
		: -	broken ground core 60% recovery.	 							
393.3	3953		MINERALIZED DIORITE	2834	393.3	395.3	2.0	20.002	0.10	0.03	20.0
		· <u> </u> _	medium grey-green, fine grained, contains							ļ	ļ
		- _	many fine resulets and disseminations of pyrohetite	/					ļ	 	
			and privite with traces of galena and sphalacti;	 							 -
	t		and printe with traces of galena and sphalaiti;				-		 	 	
		·						<u> </u>	 	-	
	[.						 	ļ	1	

FOOTA		SECTION		H 	= L <i>E</i> \$				100140		
FROM	TO	#=	DESCRIPTION	SAMPLE NO	TO LENGTH		OZITON ASSAYS				
		 		SAMPLE NO	FROM	''	CENGIA	Αυ	Ag	76 %	T 211
395.3	4265	⋠	DIORITE .	-			 	 			
		# -	Medium grey-green to dark grey, fine			'	 	 	 		
		╊ │ ╟	grained granular texture; cut by accasional quarte	·				 	 	 	
		⋠ │ ╟	calcite voinlet to "t" thick mainly a 60-80",	 	 		 	 	 		
	· · · · · · · · · · · · · · · · · · ·	╂ │ ├	Medium grey-green to dark grey, fine grained granular texture; cut by accasional quarte calcite voinlet to f" thick mainly & 60-86°; some contain pyrchotite-pyrite mineralization; good	╣			 	∤			+
		# -	Croc 97 16 VECAUEVOL		 		 				
		∦ }-	(395.6) 1" - quartz vein with pyrrhotite - pyrite				 				
		∦ -	(395.6) 1" - quartz vein with pyrrhotite-pyrite 2 and minor arsemppyrite, 70° core angle.	 							
		╂╏		 		ļ	-		 		1
		╂ ╟	(401.1) - 1/8" quartz vein @ 85° with minim pyrnhite	1			 	 	 		
		∯ Î⊩	pycite and arsenopyrite.	1			 	 			
		╬╏╟	(4090-4265) 5% veining by aplitue strongers	1	 	<u> </u>	 	 	†	 	1
		1:	to 10 size and various angles:								T
		<u>i</u>	2								
		1F 1									
426.5	426.8		QUARTE VEIN								
	•]	pale open quartz voin @ 40° with course - grained galenn - sphalmete - pyrchotite unineralization; good core - 95% recovery; Truces of	2835	426.0	4275	1.5	0.002	3.51	1.61	0.75
			course - grained galena - sphalute - pyrrhotite								
		# -	uncrealization; good core - 95% recovery; Truces of	<u> </u>		 _	ļ	 	ļ		
		₽ ₽	chalcopyrito.				ļ	 			<u> </u>
4-16.8	447.7	!	DIORITE				ļ	 			
		# <u> </u>	as 395.3-4265 9976 reevery	<u> </u>				<u> </u>	<u></u>		
		\$ }		-{			ļ	 	 		——
		∦ ⊩		 			 	 	ļ		
447.7	4 49.7	‡ ⊩	CARBONATE VEIN OR INCHUSION	 			 	 		+	
		(}	Buff to pale brown grey mottled appearance with the development of barown (gammets)? must pyrothetite-pyrote and sphalists-galana traces near q 47.7; 9972 receivery				 		1	1	1
		∦ <u> </u>	13017 TO proce proud Street of martice appearant								
-		¶ . -	color the apperparent of parating garriers; mark	2031	447.7	449.1	2.0	60,002	0.14	0.08	0.04
		ᆙ╎╟	A 12 2: 6 69- THE CONSTITUTE - JAMES TO THE MEAN	1-0-25				1			1
			441.01 9 913 1600009				 			1	1
449.7	490.3)F	DIORITE								
			medium gray-green - dark gray , weak bunded								
			9570 recovery.								
			(4550) - linch Quartz - pyrrhatite, sphalerite.								
			Topologia P 50° t cascite				<u> </u>				
	•		(4550) - linea quarte - pyrchetite - sphalerite .								
		F } [(4675) I inch quarte-calcite ve in @ 50°t with pyrrholite-spholeute.]							ļ
	•	₽		II			1	II	I	i	1

Bondar-Clegg & Company Ltd

130 Pemberton Ave North Vancouver, B C Canada V7P 2R5 Phone (604) 985-0681 Telex 04-352667



REPORT: 125-	5851	Tender Advantus programmes		1		PROJECT: NONE O	IVEN	PAGE 1
Sample Number	ELEMENT UNITS	Pb PPM	Zn PPM	Ag PPM	Au PPB			
R2 2839 R2 2839		120 19	125 40	13.0 0.5	5000 15			
			one of waterbooks translations					

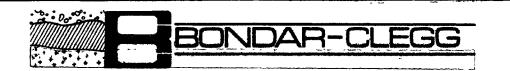
730 Pemberton Ave North Vancouver, B C Canada V7P 2R5 Phone (604) 985-0681 Telex 04-352667



REPORT: 126-5851 (C	OMPLE	TE)		-		R	EFERENC	E INFO: WHSE 46-405	
CLIENT: AMP EXPLORAT PROJECT: NOME GIVEN	ION &	MINING (CO. LTP.	***************************************		SL Di	JEMITTE ATE PRI	O PY: UNKNOWN NTED: 31-OCT-86	patricular deliver in
ORDER	E	LEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXIRACTION		RETHOD	
	Pb Zn	Lead Zinc		C	2 PPM 1 PPM	HNO3-HCL HOT	EXTR EXTR	Atomic Absorption Atomic Absorption	
	Ag Au	Silver Gold -	Fire Assav	2 2	0.2 PPM 5 PPB	HNO3-HCL HOT FIRE-ASSAY	EXTR	Atomic Absorption Fire Assay AA	
Sample :	types		HUHBER	ው የ የ ድ ድር	ACTIONS	NUMBER	SAMPI.I	E PREPARATIONS NUMBER	
			HUNDER	ELLE IN	untinia Unitri				
		ED POCK		2 -15		2 INVOICI	CRUSH	PULVERIZE -150 2 MP EXPLORATION & MINING	, stocker and
			1)	2 -15			CRUSH	PULVERIZE -150 2	
			1)	2 -15			CRUSH	PULVERIZE -150 2	
			1)	2 -15			CRUSH	PULVERIZE -150 2	
			1)	2 -15			CRUSH	PULVERIZE -150 2	
			1)	2 -15			CRUSH	PULVERIZE -150 2	

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The second second	THE RESIDENCE OF SECURIOR PROPERTY AND ADDRESS OF THE PROPERTY		L			
						No. n assessment
	AMP EXPLORATION & MINING CO. 136 INDUSTRIAL RB. WHITEHORSE Y.T. Y1A 2V1	LID.		-		
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	·					
						00/00/00/00 do 100
		***************************************	** * * * * * * * * * * * * * * * * * *			******

136 Industrial Road Whitehorse Yukon Territory Y1A 2VI Phone (403) 667-6523 Telex 036 8-460



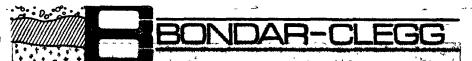
Asin C	C/ CMP of	A1)	A.C.		T 11	7.7			801		
Bample Number	ELEMENT UNITS	AU CPT	ag Opt	PB PCT	ZN PCT	BI PCT	AS PCT	PCT	SN PCT		
K2 2 92 9		0.004	2.04	0.98	1.24			***************************************			
R2 2930 '		0.005	2.32	0.41	0.06						
R2 2931		<0.002	0.06	0.01	0.03						
R2 2932		0.021	2.05	0.64	1.83						
R2 2933		0.015	1.33	0.26	0.42						
R2 2934		0.006	1.86	1.40	1.06						
R2 2 935		0.011	1.12	0.34	0.03						
R2 2936		0.002	0.91	0.25	0.16						
R2 2937		0.005	0.45	0.03	0.04						
R 2 2938		0.093	1+34	0.31	0.13						
K 2939		0.002	0.14	0.01	0.02						
R2 2940		0.014	0.73	0.13	0.21						
RZ 2941		0.004	9.10	1.58	0.97						
R2 2942		0.031	0.58	0.18	2.30						
R2 2943		0.014	1.76	0.22	0.27						
R2 2944	***************************************	0.005	3.07	0.57	0.26						·
R2 2945		0.056	0.43	0.20	2.40					,	
R7 2746		0.019	0.60	0.12	0.16						
R2 2947		0.005	2.57	0.62	0.21						
R2 2948		0.024	4.57	1.62	1.14			····			
R2 2949		0.016	1.27	0.36	0.60						
R2 2950		0.013	1.30	0.44	0.47						
R2 NUCK COMPOSI	TE	0.013	2.25	0.48	0.56	0.02	1.45	0.02	(0.01		

136 Industrial Road Whitehorse Yukon Territors 11A 2VI Phone (403) 667-6523 Telex 036 8 460



REPORT: 426	-5551							PRO	JECT: NOME GIVEN	FACE 1
Sample Number	ELEMENT UHITS	AU 190	AG OPT	PB PCT	ZN PCT	BI PCT	AS PCT	PCT	SN PCT	
R2 2826		0.009	3.65	3.05	1.45					
R2 2827		<0.002	0.19	0.00	0.05					
k2 2828		0.033	12.66	4.75	2.60					
R2 282 9		<0.002	0.05	0.04	<0.01					
32 2830		<0.002	0.09	0.06	<0.01					
k2 2831	hriddin ann an airea 1994 (f. 1994).	0.010	3.30	1.12	1.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	nynyynny <u>nny eras</u> synäiden. Anuss uranyo			
R2 2832		<0.002	0.18	0.06	0.06					
RJ 2833		0.102	4+89	3.55	11.00					
R2 2634		<0 .0 02	0.10	0.03	<0.01					
R2 2835		0.002	3.51	1.61	0.75					
R2 2836	***************************************	(0.002	0.14	0.08	0.04	er selepapan se helleskistelis	and the second s	***************************************		
R2 2837		0.011	0.27	0.16	0.33					
R2 2851		<0.002	0.82	0.48	0.47					
RC 2852		0.002	0.16	0.06	0.10					
R2 2853		<0.002	0.19	0.10	80.0					
K2 2854	·····	0.005	1.62	0.64	0.40		***************************************		27	
R2 2855		0.003	0.41	0.22	0.30					
RZ 2856		0.009	0.92	0.42	0.64					
R2 2857		<0.002	0.02	<0.01	<0.01					
R2 2858		0.004	0.11	0.01	<0.01					
R2 2859		0.005	0.21	0.06	1.46				***************************************	
R2 2860		<0.002	0.07	<0.01	<0.01					
k2 2861		0.002	0.09	0.02	<0.01					
R2 2862		0.002	0.09	0.01	<0.01					
K2 2863		0.002	1.31	0.88	1.97					
R2 2564	***************************************	<0.002	0.06	(0.0)	< 0.01			···		· · · · · · · · · · · · · · · · · · ·
K2 2865		0.007	1.63	6.60	0.75					
R1 2866		<0.002	0.08	0.02	<0.01					
£2 28c7		0.002	0.07	0.01	(0.01					
R2 2868		<0.002	0.03	0.05	<0.01					
к2 2869		0.00+	0.48	0.17	0.30					
R2 2870		0.005	0.04	<0.01	<0.01					
R2 2871		<0.002	0.15	0.02	6.01					
KZ 28/2		0.053	6.73	1.20	8.30					
R2 2973		0.005	0.06	<0.01	0.01			anganga anggan debendendan		
K∠ 28/4		<0.000	0.03	0.02	0.01	the strategy of the strategy	THE STREET OF THE STREET, STRE			
₹2 2875		.0.003	0.03	<0.01	<0.01					
RZ 2926		-0.002	0.6%	0.30	0.45					
KC 2527		0.002	1.98	0,96	1.68					
R1 2928		0.0007	0.37	0.18	0 .2 3					

136 Industrial Road Whitehorse Yukon Territory YIA 2V1 Phone (403) 667 6523 Telex 036.8 460



TO NAME GIVEN		MINING CO. LTD.				UBMITTED BY: UNKNOWN HATE PRINTED: 9-NOV-84	
ORDER	EL	EHENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	HETHOD	
i	AU	GOLD - FIRE ASSAY		0.001 OPT			
	AG	GILVER	63	0.01 BPT			
3	PB	LEAN	63	0.01 FCT			
4	ZN	ZINC	63	0.01 PCT			
5	ħ í	BISHUTH	i	0.01 PCT			
6	AS	AKSENIC	1	0.01 PET			
7	#	**************************************		0.01 PCT			
. 8	SN	TIN	1	0.01 PCT			•
SAMPLE	TYPES	NUMBER	SIZE FI	RACTIONS	NUMBER	SAMPLE PREPARATIONS NUMBER	R
R ROC	K OR BE	D ROCK 63	2 -15	50	63	ASSAY PREP 63 OVERWEIGHT SAMPLE/LB 103	