0119-18260

094 025 17363 YUKON INC.

GEOLOGICAL, AND GEOCHEMICAL REPORT ON THE MOS AND MAG CLAIMS

Yukon Territory
NTS 115N/15
63°55' North Latitude 140°45' West Longitude

Prepared for

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November 1998

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 65,975.00.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

GEOLOGICAL AND GEOCHEMICAL REPORT ON THE MOS AND MAG CLAIMS

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1.0 INTRODUCTION

The Mos Claims, consisting of 199 units, and the Mag Claims, consisting of 14 units are located in west-central Yukon, approximately 60 kilometres southwest of Dawson, in the Dawson Mining District (Figure 1). The property has experienced discontinuous exploration activity since the mid 1960's, largely focusing on a series of sub-parallel lead-silver-arsenic veins. These veins, which closely resemble those in the Keno Hill district that have produced some 185 million ounces of silver, were first discovered in 1964 by bulldozer trenching of soil geochemical anomalies. This work led to a shipment of hand-mined ore from two of these veins of 17.75 tonnes containing 67.3% lead, 2297 grams per tonne silver, 0.206 g/t gold, 0.5% arsenic and 0.6% antimony. Limited work in this phase of exploration was also conducted to evaluate the potential for copper-molybdenum porphyry mineralization, during which a massive magnetite skarn was discovered. The claims covering this original discovery were allowed to lapse and the ground was restaked in 1987 as a precious metal target. A program of grid-based soil sampling, magnetometer surveying over the magnetite skarn showing, and diamond drilling of one of the lead-silver veins was subsequently carried out.

After these claims were again allowed to lapse, the ground was re-staked in 1998 by 17363 Yukon Inc. to fully evaluate the property's potential in light of new discoveries in Alaska and Yukon of low-grade, bulk tonnage gold deposits. A limited program of prospecting and soil sampling was conducted concurrently with the staking by 17363 Yukon Inc. Equity Engineering Ltd. was retained to conduct a property examination and carry out limited geological mapping and sampling, to compile previous data and report upon results of this year's exploration program.

2.0 MINERAL CLAIMS

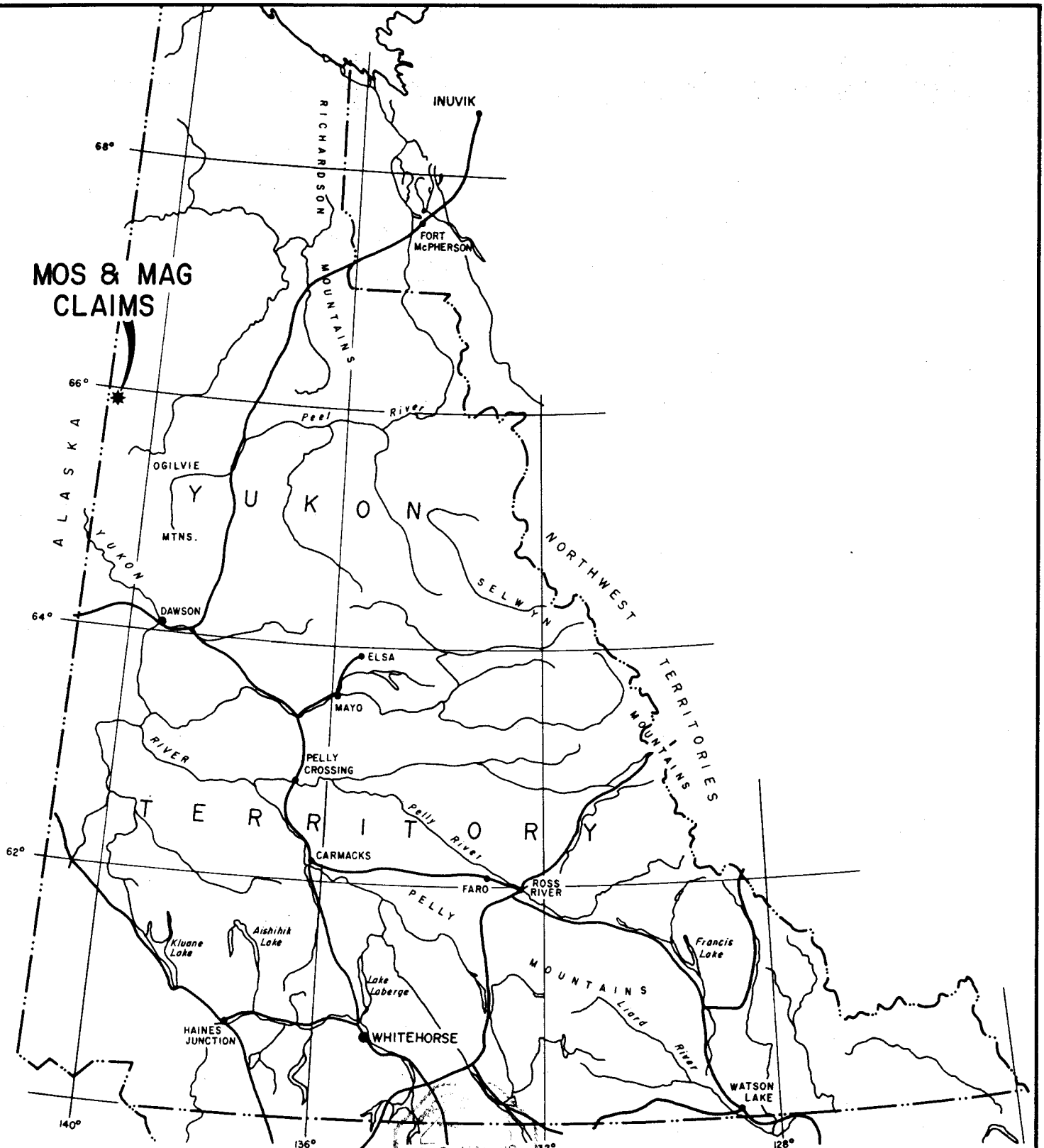
The Mos Claims comprise 199 Yukon quartz claims in two separate blocks, and the Mag Claims consist of an additional 14 Yukon quartz claims. The claim groups are located in the Dawson Mining District (Figures 2a and 2b). Government records indicate that the claims are wholly owned by 17363 Yukon Inc. and Morley Barker. Claim data for the Mos and Mag Claims is tabulated below in Table 2.0.1.

Table 2.0.1
List of Claims

Claim Name	Grant Number	# of Claims	Expiry Date
MOS 1 - 30	YC07512 - YC07541	30	July 3, 1999
MOS 31 - 54	YC07678 - YC07701	24	July 27, 1999
Mos 55- 81	YC12126 - YC12152	27	August 14, 1999
Mos 82 - 127	YC12183 - YC12228	46	August 27, 1999
Mos 130 - 141	YC12229 - YC12240	12	August 27, 1999
Mos 146 - 195	YC12241 - YC12288	50	August 27, 1999
Mos 200 - 205	YC12432 - YC12437	6	September 8, 1999
Mos 206 - 209	YC12525 - YC12528	4	September 15, 1999
MAG 1-8	YC07670 - YC07677	8	July 27, 1999
Mag 9 - 14	YC12155 - YC12160	6	August 14, 1999
		213	

3.0 LOCATION, ACCESS AND GEOGRAPHY

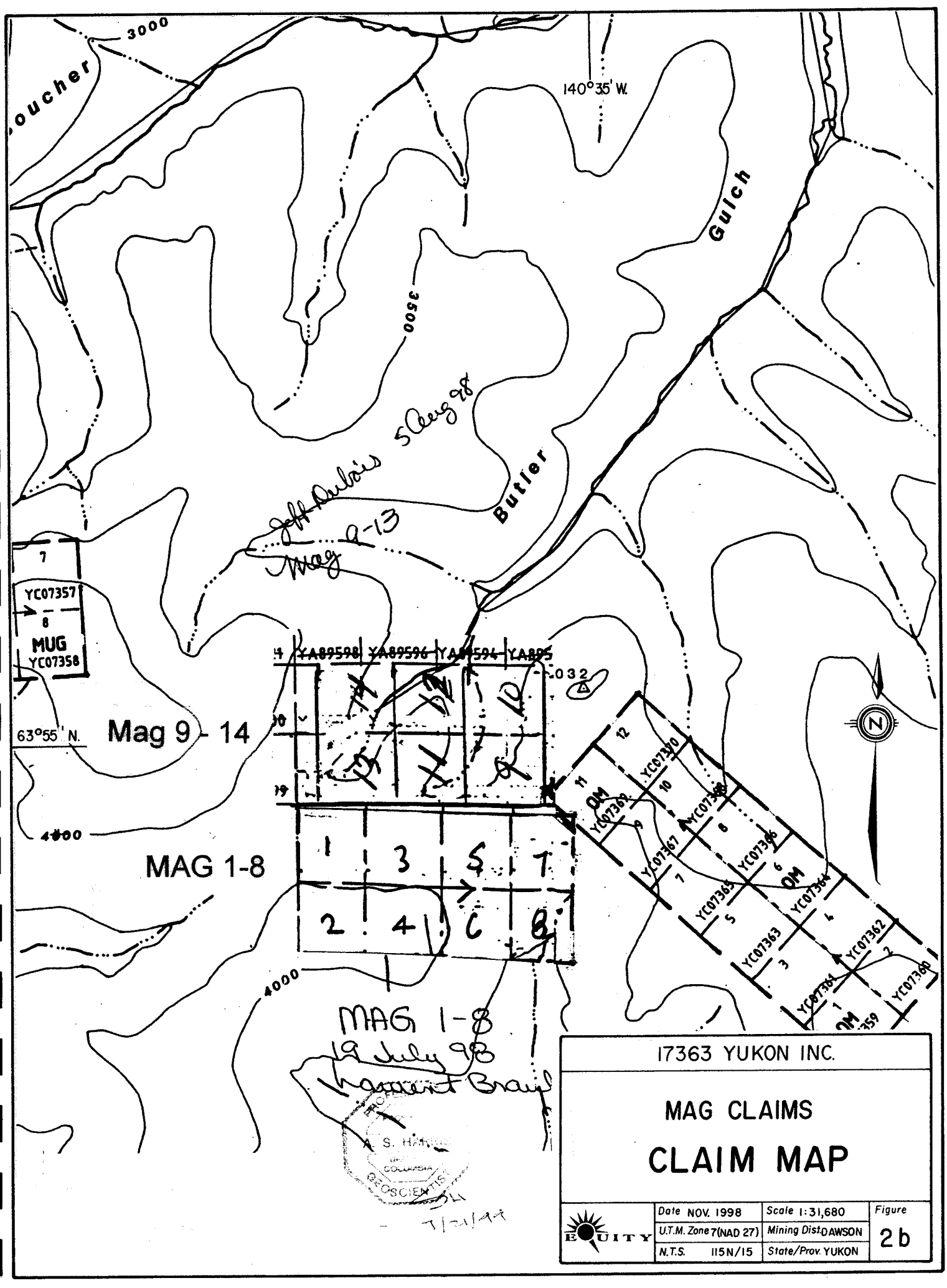
The Mos and Mag Claims are located approximately 60 kilometres southwest of Dawson, Yukon within the Dawson Range of the Yukon Plateau. The property lies southwest of the Tintina Trench. The



17363 YUKON INC.

MOS & MAG CLAIMS
LOCATION MAP

EQUITY	Date NOV. 1998	Scale As shown	Figure 1.
	U.T.M. Zone 7 (NAD27)	Mining Dist. DAWSON	
	N.T.S. 115 N/15	State/Prov. YUKON	



17363 YUKON INC.

MAG CLAIMS

CLAIM MAP

EQUITY	Date NOV. 1998	Scale 1:31,680	Figure 2b
	U.T.M. Zone 7(NAD 27)	Mining Dist. DAWSON	
	N.T.S. 115N/15	State/Prov. YUKON	

approximate co-ordinates for the centre of the Mos and Mag Claims are 63°55' North and 140°45' West on NTS map sheet 115N/15. Elevations vary from 790 to 1500 metres. The topography in the area is moderate with dendritic and V-shaped valleys consistent with an unglaciated terrain. Outcrop in the low-lying areas averages less than 10%, restricted to resistant knolls and in stream beds. However, angular felsenmeer is present throughout the property, which facilitates geological mapping. Most of the property lies in the alpine with characteristic grasses and willow. The lowest elevations and creek valleys are covered by spruce and birch. The area has a continental climate with low levels of precipitation and a wide temperature range. Summers are typically pleasant with long daylight hours, whereas winters are long and may be very cold and unpleasant.

A good gravel road connects an area of active placer mining to the paved Top of the World Highway, which is open from Dawson from the spring to autumn. A bulldozer access road connects the property to the area of placer mining, and similar bulldozer roads criss-cross the property, providing excellent access to most of the property. This year's work on the property was accessed by these roads from Dawson. In future, exploration may be based from a camp that may be established on the property.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

The Mos and Mag Claims lie immediately south of the Sixtymile River, an area in which placer gold was discovered and has been nearly continuously worked since 1892. Incomplete records indicate that over 177,000 ounces of gold have been extracted from the Sixtymile gravels to date. Thus far no lode gold production has occurred in this area.

In 1964, prospectors M. Chefkoi, J. Lerner, and A. Moisey conducted soil sampling to follow-up lead-silver vein float, likely discovered by placer miners. Subsequent bulldozer trenching uncovered a series of sub-parallel, northeast-trending lead-silver-arsenic veins. In 1966, this consortium, the Sixty Mile Mining Company Limited, sent a bulk shipment of 17.75 tonnes to Cominco's smelter in Trail that contained 67.3% lead, 2297 grams per tonne silver, 0.206 g/t gold, 0.5% arsenic and 0.6% antimony. Connaught Mines Ltd. acquired the property in 1968 and carried out further exploration on these veins and related targets in the following years. This work consisted of extensive grid-based geochemical soil sampling, analyzing for lead, and, locally, copper and molybdenum, geological mapping, additional bulldozer trenching, and diamond drilling of the No. 1 and No. 3 Veins. Two holes totalling 101.5 metres were drilled into the No. 3 Vein and six holes totalling 330.1 metres were drilled into the No. 1 Vein. Drill core was analyzed for lead, silver and gold, although the gold potential of these veins was not fully addressed. Drill core from these holes is stacked at an abandoned camp site located northwest of the No. 3 Vein, although drill hole information is not legible on the core boxes. Soil samples were analyzed for copper and molybdenum, in addition to lead, in an area underlain by a monzonitic intrusive to assess its porphyry copper-molybdenum potential. Further bulldozer trenching was conducted on the No. 9 Vein in 1972 by Moly-ore Mines Ltd. An additional 35 tons of hand-mined ore from the No. 1 and No. 3 veins were shipped in 1976 and 1977. Minor trenching and roadwork was carried out in 1980 and 1981 before the claims were allowed to lapse in 1987.

The area covered by the Mos and Mag claims was restaked in 1987 by Walhala Explorations Ltd. and optioned to Croesus Resources Inc. Red Fox Minerals Ltd. and Kelan Resources Inc. optioned selected portions of Croesus' land position, carrying out exploration programs in 1987 and 1988. In 1987, Red Fox, Kelan, and Croesus carried out grid geochemical soil sampling across the properties, analyzing for gold, arsenic, silver, lead and antimony. Concurrent rock samples were analyzed for gold, silver, lead, zinc, arsenic, and antimony, and selected analyses for mercury, copper, cadmium, and rare earths. Trenching was conducted on the No. 2 Vein, and a magnetometer survey was conducted over the No. 8 Vein and Magnetite Skarn showing by Croesus Resources Inc. In 1988, Red Fox drilled eight holes, totalling 296.4 metres, into the No. 4 Vein, analyzing for gold and silver by fire assay, and an additional 28 elements by ICP. In 1988, Croesus drill-tested the Magnetite Skarn and the No. 9 Vein,

and in 1992, overburden drilling tested a copper-gold soil anomaly, but no reports are available on this work. There are reports, however, of two economically interesting intersections, the best of which graded 4.0 g/t gold over 1.67 metres. The drill core is stacked in collapsed racks along the road to the Mag Skarn, but drill hole data on the boxes is not legible.

5.0 1998 EXPLORATION PROGRAM

In the course of staking the newly-lapsed ground in the summer of 1998, prospecting and rock sampling was carried out over known veins and showings. These samples were pulverized to -100 mesh and analyzed for gold and silver by Northern Analytical Laboratories Ltd. of Whitehorse. Gold was analyzed by aqua regia digestion, a 30 gram fire assay and atomic absorption, and with a gravimetric finish for samples with silver exceeding 50 grams per tonne. Silver was analyzed with an aqua regia digestion and atomic absorption finish, and by fire assay with a gravimetric finish for samples exceeding 50 g/t silver. Soil samples were collected from four lines running down three ridges surrounding the Nos. 2 through 6 Veins at 25- and 50-metre intervals. Sample locations were marked with orange flagging in the field. Samples were analyzed for gold by Northern Analytical Laboratories Ltd. by 30 gram fire assay and atomic absorption.

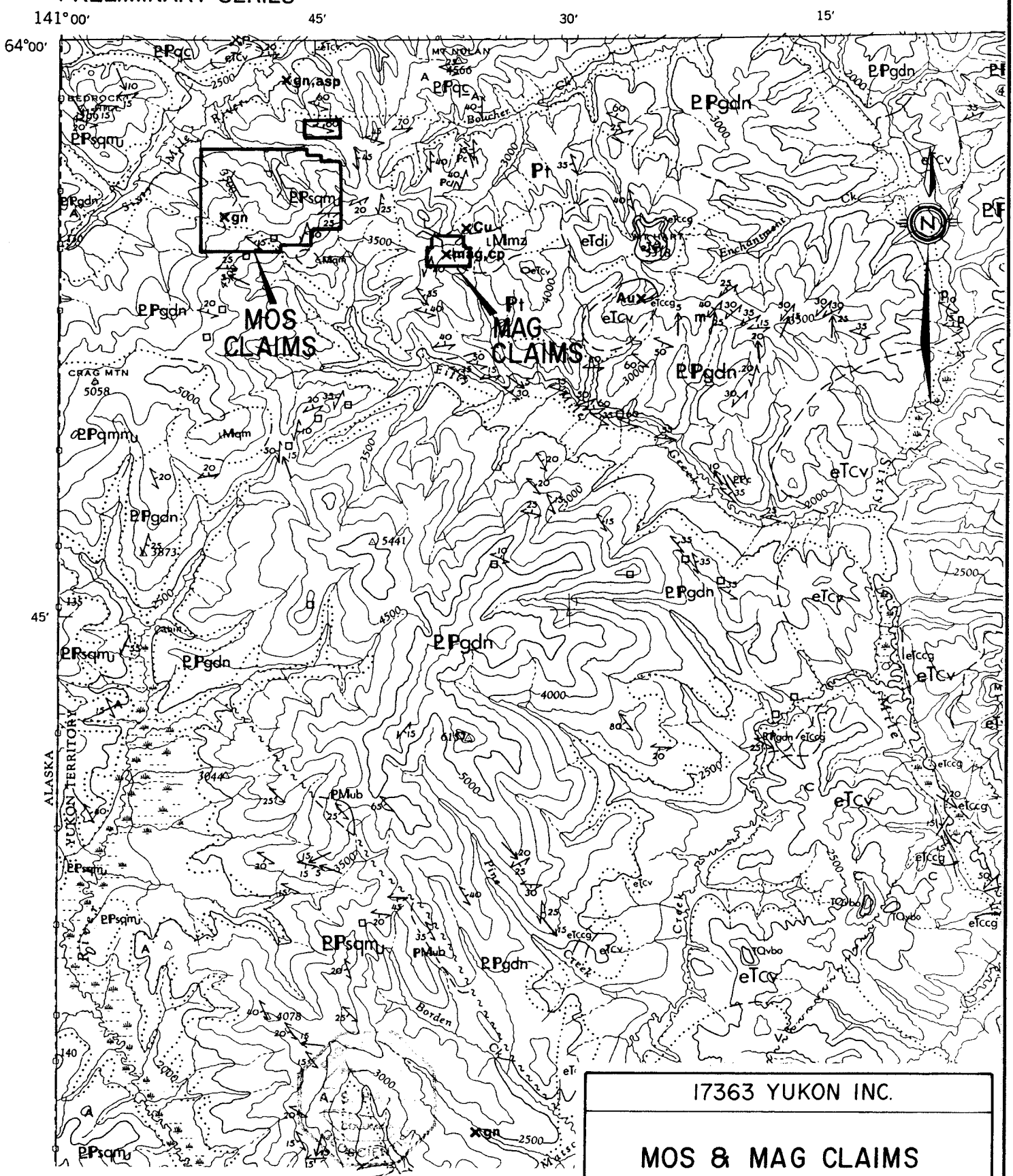
An additional 40 rock samples collected by the author from mineralized veins and showings were marked in the field with a combination of orange and blue flagging, and a metal tag, and were analyzed by Chemex Labs Ltd. of North Vancouver. Descriptions of samples taken by the author are attached in Appendix B. These samples were analyzed for gold by a 30 gram fire assay with an atomic absorption finish and an additional 32 elements by ICP. Additional soil samples were collected from one of the ridge soil lines as a check on these analyses, can be located in the field by a Tyvek tag and pink flagging tape. These were analyzed as per the rock samples by Chemex. All analytical certificates are attached in Appendix C.

6.0 REGIONAL GEOLOGY

The Mos and Mag Claims lie between the Tintina and Denali faults within the Yukon Cataclastic Complex (Figure 3). In this area, the complex consists of two lithotectonic assemblages, the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT) (Mortensen, 1996). The YTT is considered to be the innermost accreted terrane of the western Canadian Cordillera. It is comprised of medium to high grade, multiply-deformed metasedimentary and meta-igneous rocks, that represent a Late Devonian-Mississippian pericratonic arc assemblage. The SMT consists of weakly deformed and metamorphosed rocks. These mainly Paleozoic terranes were juxtaposed by regional thrust faulting in the Early Mesozoic. This was a period of metamorphic and associated intrusive igneous activity likely related to the accretion of these terranes to the North American margin (Mortensen, 1992). A sequence of post-accretionary volcanic, plutonic and sedimentary rocks were subsequently developed in the area.

The YTT in this area consists of two assemblages of supracrustal rocks, the Nasina and Klondike Schist assemblages, and three suites of metaplutonic rocks, the hornblende-biotite granodiorite gneiss, Sulphur Creek orthogneiss, and granitic orthogneiss The Late Devonian(?) to mid-Mississippian Nasina assemblage **(Unit PPqc)** comprises fine-grained carbonaceous to non-carbonaceous quartz-muscovite-chlorite schist and quartzite, with lesser mafic schist and amphibolite, marble, carbonaceous, stretched-pebble conglomerate, and thin quartz-muscovite schist. The protolith of this group is a sequence of fine-grained siliciclastic rocks. The mid-Permian Klondike Schist assemblage **(Unit PPsqm)** consists of a variety of felsic schists derived from felsic and cherty tuffs and tuffaceous cherts. Interlayered with these are micaceous quartzite and quartz-feldspar-muscovite-biotite(±chlorite) schist derived from siliciclastic protoliths, chlorite schist and metagabbro of mafic volcanic protolith, marble, carbonaceous quartz-muscovite schist, and quartz- and quartz-feldspar augen schists, derived from sub-volcanic sills or dykes.

PRELIMINARY SERIES



17363 YUKON INC.

MOS & MAG CLAIMS

REGIONAL GEOLOGY

EQUITY	Date NOV. 1998	Scale 1:250,000	Figure 3
	U.T.M. Zone 7 (NAD 27)	Mining Dist. DAWSON	
	N.T.S. 115N/15	State/Prov. YUKON	

LEGEND

CENOZOIC

PLEISTOCENE(?)

TQvbo — COLUMNAR BASALT: fresh orange-weathering columnar jointed olivine basalt

EOCENE OR YOUNGER

eTcv — CARMACKS GROUP: brown-weathering, brown, green and red andesite, basalt and flow breccia

eTdi — DIORITE: dark brown, fine-grained diorite and gabbro

eTvrp — QUARTZ FELDSPAR PORPHYRY: light coloured acid quartz feldspar porphyry and rhyolite; minor acid tuff breccia, crystal lithic tuff and ignimbrite

eTccg — SANDSTONE AND CONGLOMERATE: white, coarse-grained, immature terrestrial sandstone with lesser interbedded pebble conglomerate and shale; minor lignite and rare ignimbrite

MESOZOIC

CRETACEOUS(?)

lMqm — QUARTZ MONZONITE: medium-grained equigranular biotite quartz monzonite

lMmzp — PORPHYRITIC MONZONITE: medium-grained, porphyritic (K-feldspar) hornblende monzonite to syenite

lMmz — HORNBLENDE MONZONITE: medium-grained equigranular hornblende monzonite

TRIASSIC(?)

kgdm — HORNBLENDE GRANODIORITE: dark grey weathering, strongly foliated, coarse-grained equigranular biotite hornblende granodiorite

PERMIAN(?) AND/OR TRIASSIC(?)

PMub — DUNITE: foliated serpentinized dunite and peridotite

CARBONIFEROUS(?) AND/OR PERMIAN(?)

Pv — SHEARED GREENSTONE: sheared and foliated chloritic greenstone and green lithic tuff; minor green cherty tuff

PERMIAN AND/OR OLDER

Pt — CHERT AND METACHERT: grey-weathering pale green and purplish brown hornfelsed argillaceous chert with lesser interbedded chloritic phyllite and marble

Pc — LIMESTONE: thin-bedded limestone and marble

PROTEROZOIC AND/OR PALEOZOIC

EPqmmu — FOLIATED MUSCOVITE QUARTZ MONZONITE: foliated equigranular medium-grained muscovite quartz monzonite

EPc — MARBLE: coarsely crystalline white graphite marble

EPgd — FOLIATED BIOTITE GRANODIORITE: foliated to gneissic biotite granodiorite; minor interfoliated phyllite, schist and amphibolite

EPqs — NASINA QUARTZITE: black-weathering, massive, dark grey to black graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist

EPsqmu — KLONDIKE SCHIST: black and orange-weathering well foliated pale green chlorite muscovite quartz schist; includes augen gneiss and amphibolite

EPsn — SCHIST GNEISS: brown-weathering, grey muscovite biotite quartzite and quartz mica schist; includes amphibolite augen gneiss and minor marble; includes rocks of Klondike Schist and Pelly Gneiss undifferentiated

EPgdn — PELLY GNEISS: strongly foliated to gneissic muscovite chlorite biotite granodiorite; minor augen gneiss; includes some undifferentiated foliated muscovite quartz monzonite

The augen schist unit grades with depth into a biotite-quartz monzonitic gneiss **(Unit PPsn),** the Sulphur Creek orthogneiss. The Fiftymile Batholith is comprised of a granitic orthogneiss **(Unit PPgdn)**, that typically contains coarse feldspar augen. A crystallization age from this batholith has been established at 363.5+4.5-3.0 million years by U-Pb dating zircons (Mortensen, 1996). The third distinct metaplutonic rock is a hornblende-biotite granodiorite gneiss **(Unit PPgd)** that occurs within the Nasina Assemblage, and at the northeastern portion of the Fiftymile Batholith.

The SMT (Dawson / Clinton Creek assemblage) comprises a variety of mafic volcanic and ultramafic rocks. This includes a massive greenstone **(Unit Pv)** that was derived from massive basalt flows with minor mafic tuffaceous rocks, and small bodies of largely serpentinized ultramafic rocks **(Unit Pmub).**

Intruding metamorphic YTT rocks are several large bodies of biotite(±muscovite) quartz monzonite **(Unit PPqmm)**. K-Ar biotite ages for the Jim Creek pluton and U-Pb zircon ages for associated units have yielded an Early Jurassic date of emplacement for these intrusions (180.8±3.8 Ma), while field relations indicate that the intrusions predate Early(?) Jurassic regional thrusting and Early Cretaceous normal faulting (Mortensen, 1996).

Rocks of the YTT and SMT are overlain unconformably by a sequence of sedimentary and volcanic rocks. The lower sedimentary sequence of sandstone and pebble to cobble conglomerate **(Unit eTCcg)** is overlain by massive andesitic flows and breccias **(Unit eTCv)** of the Late Cretaceous Carmacks Group.

A suite of intrusive rocks **(Unit Mqm)** are present throughout this area and are believed to be comagmatic with the above Late Cretaceous volcanics. They outcrop as small plugs and stocks of fine- to medium-grained, equigranular biotite-hornblende quartz monzonite and granodiorite. K-Ar and U-Pb dating has given these intrusives a Late Cretaceous age. Cretaceous intrusives are intimately associated with the 5.2 million ounce gold Pogo (press release dated October 27, 1998) and the 3.82 million ounce gold Fort Knox Deposits in east-central Alaska (Bakke, 1995). Intrusives at Pogo have been dated at 107±3 Ma (Smith, pers. comm.) and at Fort Knox they have been K-Ar dated at 90 to 93 Ma (Bakke, 1995).

Eocene quartz-feldspar(±biotite) porphyry **(Unit eTvrp)** and plagioclase-phyric basalt dykes **(Unit eTcv?)** also occur well east of the Mos and Mag claims.

The pre-accretionary assemblages, the Nasina and Klondike Schist assemblages and the three metaplutonic assemblages, have undergone a penetrative ductile deformation and metamorphism. The grade of this metamorphism ranges from middle greenschist to lower amphibolite facies. The deformation has transposed the compositional layering parallel to this F_1 foliation. The fault surfaces at the YTT and SMT contacts have been interpreted as regional-scale thrust faults and the smaller bodies of greenstone and ultramafic rocks may delineate these thrust faults. Low-angle normal faulting is believed to have dropped overlying units into contact with the Fiftymile Batholith and Mount Burnham orthogneiss, based largely upon markedly disparate metamorphic cooling ages for these suites of rocks, but also upon structural studies (Mortensen, 1996).

The largely undeformed post-accretionary, Middle to Late Cretaceous sedimentary rocks have locally been folded, and it appears that some of this folding may be a result of parasitic drag folds developed along steeply-dipping normal faults. The Sixtymile River marks a northeast-trending graben structure that has down-dropped this post-accretion assemblage against the pre-accretionary assemblage.

The Tintina Fault zone is a major northeast-trending, crustal-scale transcurrent fault of Early Tertiary age, but there don't appear to be any smaller-scale faults associated with this structure in this area.

7.0 PROPERTY GEOLOGY AND MINERALIZATION

7.1 Geology

The scarcity of outcrop on the property, which greatly complicates geological mapping, is largely due to the lack of Pleistocene glaciation which has resulted in deep, pre-Quaternary weathering and frost-shattered outcrops. Exposures of outcrop are generally limited to the crests of ridges underlain by more resistant lithologies and to exposures in the numerous trenches and road-cuts (Figures 4 and 5).

The most commonly exposed lithologies are the metamorphic rocks of the Nasina assemblage, consisting of quartz-mica schist **(Unit SCHT)**, quartz-biotite±chlorite gneiss **(Unit GNSS)**, marble **(Unit MRBL)**, quartzite **(Unit QTZT)**, and chert. These medium-to coarse-grained schists and gneisses are uniformly blocky weathering and generally pale in colour, owing to their predominantly felsic content. Feldspar augen, which locally appear rounded due to crystallization in pressure shadows, are common in the coarsely-foliated gneiss. Commonly interlayered within the commonly finely-schistose quartz-mica schist are common intervals, generally two to three metres thick, of rusty to dark brown weathering biotite schist. The penetrative F_1 foliation strikes northwest and dips moderately to the northeast.

Undeformed, Late Cretaceous intrusives outcrop at various locations throughout the property. A large 1500 by 800 metre fine- to medium-grained equigranular, salt-and-pepper biotite-hornblende quartz monzonite **(Unit MNZT)** outcrops immediately south of the No. 4 Vein. Similar plugs of Late Cretaceous granodiorite **(Unit GRDR)** to hornblende monzonite **(Unit MNZT)** have been mapped in association with the No. 8 Vein and in contact with the Magnetite Skarn. Several pieces of a plagioclase- and hornblende-porphyritic monzonite to syenomonzonite were noted in the muck pile at the No. 3 Vein.

7.2 Mineralization

No. 1 Vein:

The No. 1 Vein has been delineated by trenching for 220 metres along strike and is indicated by soil geochemistry over 1100 metres. The vein strikes about 050° with a sub-vertical dip and a maximum width of 1.2 metres, but generally less than 50 centimetres. Mineralization consists of anglesite after galena, arsenopyrite, scorodite, jarosite, and pyrite with traces of chalcopyrite and malachite and possible tetrahedrite in a gangue of quartz and calcite. A bright green, strongly sericite-altered, brecciated envelope extends 30 to 130 centimetres from the vein with up to 10% frothy, pyritic boxworks. Coarse, comby quartz textures suggest that this vein, like the others on the property, was formed in a mesothermal environment.

Table 7.2.1
No. 1 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
326401*	Chip	0.5	2570	754	>10000	134	1060	20.60%	892	280
326402*	Grab	0.6	3220	55.2	>10000	138	481	1.98%	280	320
22233	n/a	n/a	4113	177.6 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22234	n/a	n/a	0.97 g/t	2123 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22235	n/a	n/a	1.20 g/t	1520 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22260	n/a	n/a	4256	125.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22261	n/a	n/a	1.47 g/t	1515 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22358	n/a	n/a	10	2.3	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74450	Select	0.4	0.04	94.11	18600	n/a	n/a	64.31%	n/a	n/a

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
15226B	Channel	0.43	4.11	887.9	n/a	n/a	n/a	32	n/a	n/a
15229B	Channel	0.40	1.03	30.85	n/a	n/a	n/a	1.10	n/a	n/a
15232B	Channel	0.37	1.03	85.70	n/a	n/a	n/a	2.0	n/a	n/a
15235B	Channel	0.61	2.06	956.4	n/a	n/a	n/a	29.80	n/a	n/a
15238B	Channel	0.70	2.74	1745	n/a	n/a	n/a	42.0	n/a	n/a
12539B	Channel	0.61	n/a	24.00	n/a	n/a	n/a	0.30	n/a	n/a
15240B	Channel 7	0.61	n/a	34.28	n/a	n/a	n/a	0.20	n/a	n/a
15241B	Channel	0.70	1.37	1584	n/a	n/a	n/a	38.0	n/a	n/a
15243B	Channel	0.76	2.06	2290	n/a	n/a	n/a	56.80	n/a	n/a
15244B	Channel	0.91	n/a	150.8	n/a	n/a	n/a	1.30	n/a	n/a
15245B	Channel 9	0.76	1.37	1142	n/a	n/a	n/a	35.80	n/a	n/a
15247B	Channel	0.58	1.37	740.4	n/a	n/a	n/a	19.0	n/a	n/a
15248B	Channel 11	0.46	3.43	1258	n/a	n/a	n/a	29.60	n/a	n/a
15250B	Channel	0.76	8.57	109.7	n/a	n/a	n/a	6.90	n/a	n/a
15252B	Channel	0.46	1.37	30.85	n/a	n/a	n/a	2.30	n/a	n/a
15255B	Channel	0.76	1.37	123.4	n/a	n/a	n/a	0.90	n/a	n/a
15257B	Channel 17	0.61	n/a	27.42	n/a	n/a	n/a	0.10	n/a	n/a
15258B	Channel	0.85	1.37	102.8	n/a	n/a	n/a	1.30	n/a	n/a
15261B	Channel	0.55	1.37	150.8	n/a	n/a	n/a	7.60	n/a	n/a
15264B	Channel	0.46	2.06	946.1	n/a	n/a	n/a	21.60	n/a	n/a
15267B	Channel	0.64	1.37	37.71	n/a	n/a	n/a	0.70	n/a	n/a
15270B	Channel	0.52	1.37	54.85	n/a	n/a	n/a	0.50	n/a	n/a
15659B	Channel 25	0.64	2.06	1855	n/a	n/a	n/a	54.50	n/a	n/a
15674B	Channel 30	0.67	1.37	301.0	n/a	n/a	n/a	11.40	n/a	n/a

Table 7.2.1 (Continued)
No. 1 Vein Selected Rock Sample Analyses

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
15687B	Channel 35	0.24	1.37	11.66	n/a	n/a	n/a	0.22	n/a	n/a
15690B	Channel 36	0.85	1.37	69.25	n/a	n/a	n/a	0.39	n/a	n/a
15693B	Channel 37	0.34	0.686	76.79	n/a	n/a	n/a	3.0	n/a	n/a
15696B	Channel 38	0.55	0.686	116.6	n/a	n/a	n/a	4.7	n/a	n/a
15698B	Channel 39	0.40	0.171	42.51	n/a	n/a	n/a	1.15	n/a	n/a

In 1969, six diamond drill holes totaling 330.1 metres were drilled into the No. 1 Vein from six sites to test the vein at an approximate depth of 100 feet along 250 metres of its strike length. However, the locations of these sites can no longer be verified in the field. Four of the six holes intersected mineralized vein material, with the northeasternmost hole intersecting a fault zone with minor lead and silver mineralization. Intersections of the vein at depth closely reflected mineralization sampled at surface.

Table 7.2.2
No. 1 Vein Significant Intersections

Hole	From (m)	To (m)	Width (m)	Au (g/t)	Ag (g/t)	Pb (%)
DDH 1-103	50.0	50.3	0.3	9.6	182	5.3
DDH 1-104A	47.2	48.5	1.3	0.17	131.6	8.3
DDH 1-105	33.5	35.1	1.55	0.34	6.9	0.6
DDH 1-106	40.3	41.4	1.1	2.74	998	26.5

Chip sampling in 1998 has indicated the presence of anomalous bismuth (up to 138 parts per million), copper (up to 1060 ppm), and antimony (up to 892 ppm) values with this vein. Sampling prior to 1998 focused upon the vein material, with no analyses for gold of hanging and footwall material. Although the majority of samples of hanging and footwall material lack significant mineralization, it is not uncommon for this material to contain significant silver values. One 1998 sample (326402) of hanging wall alteration returned values of 3220 parts per billion gold and 55.2 ppm silver; this silver value is comparable to values returned from 1969 sampling. It is therefore likely that significant gold values may be present within the narrow, 30 to 130 centimetre wide, alteration envelope.

No. 2 Vein:

The No. 2 Vein is hosted in a quartz feldspar biotite schist / gneiss, and lies approximately one kilometre north-northwest of the No. 1 Vein. It strikes from 031° to 076° and dips moderately to steeply to the south. The coarse, comby-textured, multi-episodal quartz vein contains arsenopyrite, galena, anglesite (after galena), pyrite, scorodite, jarosite, covellite, chalcopyrite and traces of tetrahedrite in a quartz, sericite, biotite, and chlorite gangue. There appears to be a distinct zonation of arsenic to lead from the footwall to the hanging wall. Stockwork quartz±sulphide veining is locally present in the footwall and the main vein structure commonly splits and splays. The vein width pinches and swells from one to four centimetres to thirty to forty centimetres wide, and has been exposed by trenching for 90 metres. A bleached phyllic and argillic alteration halo extends for up to six metres into the footwall with a much

thinner (less than one metre) hanging wall alteration halo. Roughly sub-parallel barren milky quartz veins are also associated with this vein.

Table 7.2.3
No. 2 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326403*	Channel	0.7	55	43.6	8030	170	43	2120	26	96
326404*	Chip	1.5	145	37.8	>10000	82	146	9810	196	56
326405*	Chip	1.3	60	24	>10000	22	98	4280	22	26
326406*	Chip	1.2	20	2.8	7580	<2	44	1005	10	18
326407*	Chip	0.5	1500	93 g/t	>10000	8	493	2.44%	216	72
326408*	Chip	1	125	12.2	>10000	<2	221	3240	326	270
326409*	Select	n/a	3230	13.8	>10000	8	347	1895	194	12
326410*	Select	n/a	130	2150 g/t	5030	58	811	67.20%	2970	120
326411*	Chip	0.4	240	65	>10000	84	102	1.32%	230	160
326412*	Chip	0.7	<5	0.6	366	<2	9	162	6	124
326413*	Chip	0.5	610	20.8	>10000	84	170	1695	64	40
326414*	Chip	0.45	445	37.6	>10000	20	288	7270	58	46
326415*	Chip	0.6	735	1365 g/t	>10000	66	1220	35.60%	1730	322
22305	n/a	n/a	602	163.2 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22306	n/a	n/a	3590	576 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22307	n/a	n/a	1160	195.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22308	n/a	n/a	1394	202.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22309	n/a	n/a	784	42.6	n/a	n/a	n/a	n/a	n/a	n/a
22310	n/a	n/a	216	80.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22311	n/a	n/a	330	163.8 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22323	n/a	n/a	1266	15.5	n/a	n/a	n/a	n/a	n/a	n/a
22324	n/a	n/a	11	1.3	n/a	n/a	n/a	n/a	n/a	n/a
22325	n/a	n/a	<5	0.4	n/a	n/a	n/a	n/a	n/a	n/a
22398	n/a	n/a	514	613 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22399	n/a	n/a	1560	17.3	n/a	n/a	n/a	n/a	n/a	n/a
22400	n/a	n/a	1730	27.8	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74421	Grab	n/a	0.171 g/t	28.1	20400	n/a	n/a	1.49	n/a	n/a
74422	Grab	n/a	1.68 g/t	113.5	29700	n/a	n/a	1.06	n/a	n/a
74432	Chip	2.5	<69	0.686	600	n/a	n/a	0.14	n/a	n/a
74433	Chip	1.8	0.686 g/t	142.3	19300	n/a	n/a	0.83	n/a	n/a
74434	Chip	2.0	<69	3.43	1600	n/a	n/a	0.16	n/a	n/a
74435	Chip	2.0	<69	17.48	3500	n/a	n/a	0.19	n/a	n/a
74437	Chip	1.4	<69	19.88	5100	n/a	n/a	0.23	n/a	n/a

Table 7.2.3 (Continued)
No. 2 Vein Selected Rock Sample Analyses

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74444	Float		2.54 g/t	150.1	38900	n/a	n/a	1.26	n/a	n/a
74445	Chip	1.5	0.583 g/t	1.03	35000	n/a	n/a	0.05	n/a	n/a
74446	Select		1.75 g/t	6.51	10900	n/a	n/a	0.09	n/a	n/a
74447	Chip	1.0	0.069 g/t	2.06	15700	n/a	n/a	0.06	n/a	n/a
74448	Chip	1.0	0.206 g/t	7.20	24000	n/a	n/a	0.10	n/a	n/a
74449	Chip	1.0	<69	4.11	4500	n/a	n/a	0.18	n/a	n/a

Sampling of the No. 2 Vein has returned values as high as 3590 ppb gold, 1365 g/t silver, 35.6% lead, 10.9% arsenic, 1220 ppm copper, and 1730 ppm antimony. Select samples of arsenic-, and lead-dominated material (326409 and 326410, respectively) indicates that silver is likely present as argentiferous galena, and gold is associated with arsenopyrite mineralization. Anomalous antimony values also correlate well with higher silver values reflecting the possible presence of tetrahedrite. Chip samples of envelope alteration commonly contain >10000 ppm arsenic, 4280 ppm lead, 326 ppm antimony and only weakly anomalous gold and silver values.

No. 3 Vein:

The No. 3 Vein lies approximately 1700 metres northwest of the No. 2 Vein and is mineralogically and structurally quite similar to the Nos. 1 and 2 Veins. Much of this vein lies underwater in a pit excavated during hand mining in the mid 1960's. It has been outlined by trenching for approximately 100 metres and strikes 063° to 071°, dipping steeply (70° to 79°) to the south. It is hosted in a quartz-biotite-muscovite, and locally biotite, schist, and it should be noted that Late Cretaceous hornblende syenomonzonite is also present in the muck pile. This vein consists of massive galena and subsequent anglesite, arsenopyrite, and pyrite with traces of covellite and tetrahedrite(?) in a multi-episodal quartz-sericite, scorodite- and jarosite-stained gangue. Brecciation, quartz veining, ranging from hairline stringers to one- to two-centimetre veinlets±galena, and pyritic boxworks are present in the footwall of the vein. Quartz veining, and pyritic boxworks are present to a lesser degree in the hanging wall.

Table 7.2.4
No. 3 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326429*	Grab	1.5	640	56	>10000	2	238	7850	98	138
326430*	Grab	2.5	170	0.2	2340	<2	9	112	2	52
326431*	Select	n/a	200	2200 g/t	3090	166	2310	60.50%	6580	62
326432*	Float	n/a	1215	258 g/t	>10000	30	1010	4.99%	1150	340
326433*	Float	n/a	2390	13.8	>10000	6	31	1035	72	68
22369	n/a	n/a	0.89 g/t	1854 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22370	n/a	n/a	1.27 g/t	1198 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22371	n/a	n/a	31	9.2	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

Table 7.2.4 (Continued)
No. 3 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
22372	n/a	n/a	377	99.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22373	n/a	n/a	266	70.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22374	n/a	n/a	1476	388 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22375	n/a	n/a	34	245.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22376	n/a	n/a	351	79.2 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22378	n/a	n/a	1.13 g/t	2061 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22379	n/a	n/a	940	320.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
1556	Channel	0.91	3.43	3.43	n/a	n/a	n/a	n/a	n/a	n/a
1558	Channel	0.98	<0.343	332.5	n/a	n/a	n/a	n/a	n/a	n/a
1559	Channel	0.15	0.343	58.28	n/a	n/a	n/a	n/a	n/a	n/a
1562	Channel	0.85	<0.343	68.56	n/a	n/a	n/a	2.10	n/a	n/a
1565	Channel	0.79	3.43	1632	n/a	n/a	n/a	29.60	n/a	n/a
1567	Channel	0.46	<0.343	27.42	n/a	n/a	n/a	n/a	n/a	n/a
2028	Channel	0.21	6.86	346.2	n/a	n/a	n/a	22.90	n/a	n/a
2031	Channel	0.61	<0.343	58.28	n/a	n/a	n/a	n/a	n/a	n/a
2033	Channel	0.61	n/a	44.56	n/a	n/a	n/a	n/a	n/a	n/a
2034	Channel	1.37	0.343	2081	n/a	n/a	n/a	67.80	n/a	n/a
2035	Channel	0.61	n/a	147.4	n/a	n/a	n/a	n/a	n/a	n/a

Two diamond drill holes, totaling 101.5 metres were collared in the hanging wall of the No. 3 Vein to test its extent 100 feet down-dip in 1969. The collar locations of these holes could not be verified in the field. One hole, DDH 3-103B, intersected the vein, while the second hole cut only brecciation that is likely related to the same structure. Hole DDH 3-103B intersected 0.91 metres, (from 37.8 to 38.7 metres) grading 2.65% lead, and 3.45 g/t silver; no samples were analyzed for gold. 1998 sampling of vein material has returned values up to 2390 ppb gold, 2200 g/t silver (from a select sample), 60.5% lead (from a select sample), >10,000 ppm arsenic, and 2310 ppm copper, with anomalous values of 166 ppm bismuth and 6580 ppm antimony (from a select sample). A sample (326429) of altered footwall contained 640 ppb gold, >10,000 ppm arsenic and 7580 ppm lead.

No. 4 Vein:

The No. 4 Vein is located approximately 1800 metres east-southeast of the No. 2 Vein within quartz-biotite schist, and feldspar augen quartz-biotite-muscovite gneiss, with local quartzite and minor biotite schist present as well. Trenching in 1969 exposed the vein for 160 metres along strike at 033° to 038°, and dipping 69° to 86° to the south. Collapse structures suggest that this vein was high-graded at some point in its history. This vein has well-developed lateral zoning from galena and anglesite at the core, through quartz-arsenopyrite±pyrite±tetrahedrite at the margins of the vein, to a sericite±quartz+pyrite±arsenopyrite altered and pervasive scorodite-stained footwall and weakly altered hanging wall. This vein is immediately adjacent to a Late Cretaceous monzonite to the southwest.

Table 7.2.5
No. 4 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326416*	Grab	0.4	985	532 g/t	>10000	276	1425	14.15%	1180	680
326417*	Grab	0.5	5	5.2	588	<2	127	1745	48	112
326418*	Chip	1.3	570	888 g/t	>10000	132	831	17.90%	2890	462
326419*	Chip	0.8	10	18.8	790	<2	124	3280	76	104
326420*	Chip	0.8	<5	12.6	836	2	76	2290	36	118
326421*	Chip	0.8	1070	734 g/t	>10000	108	1460	15.10%	2620	1020
326422*	Chip	0.8	20	31.6	2370	4	108	7230	270	286
22117	n/a	n/a	1.30 g/t	1238 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22118	n/a	n/a	14	11.1	n/a	n/a	n/a	n/a	n/a	n/a
22119	n/a	n/a	150	231.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22393	n/a	n/a	970	616 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22394	n/a	n/a	810	975 g/t	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74413	Grab	n/a	0.800	397	47500	n/a	n/a	4.40	n/a	n/a
74414	Grab	n/a	0.069	29.82	2500	n/a	n/a	0.28	n/a	n/a

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
15700B	Channel	0.73	0.686	2451	n/a	n/a	n/a	34.90	n/a	n/a
15701B	Channel	1.22	1.03	661.6	n/a	n/a	n/a	8.00	n/a	n/a
15702B	Channel	1.34	0.686	757.6	n/a	n/a	n/a	6.60	n/a	n/a
15703B	Channel	1.04	2.06	578.0	n/a	n/a	n/a	3.30	n/a	n/a
15705B	Channel	1.04	0.343	123.8	n/a	n/a	n/a	1.90	n/a	n/a
15708B	Channel	0.73	<0.343	35.65	n/a	n/a	n/a	0.42	n/a	n/a
15711B	Channel	0.43	1.71	373.7	n/a	n/a	n/a	1.60	n/a	n/a
15714B	Channel	0.37	1.37	353.1	n/a	n/a	n/a	1.15	n/a	n/a
15717B	Channel	0.64	2.74	582.1	n/a	n/a	n/a	4.00	n/a	n/a
15718B	Channel	1.43	0.686	233.8	n/a	n/a	n/a	3.30	n/a	n/a
15719B	Channel	1.10	1.03	1800	n/a	n/a	n/a	30.00	n/a	n/a
15720B	Channel	0.64	0.343	1865	n/a	n/a	n/a	22.40	n/a	n/a
15721B	Channel	0.79	0.343	942.7	n/a	n/a	n/a	20.40	n/a	n/a
15722B	Channel	1.16	1.03	1371	n/a	n/a	n/a	25.80	n/a	n/a
15723B	Channel	0.98	1.37	70.62	n/a	n/a	n/a	1.70	n/a	n/a
15724B	Channel	0.40	0.343	127.9	n/a	n/a	n/a	4.00	n/a	n/a
15725B	Channel	0.34	1.37	929.0	n/a	n/a	n/a	5.90	n/a	n/a
15726B	Channel	0.76	1.37	462.8	n/a	n/a	n/a	12.60	n/a	n/a

Table 7.2.5 (Continued)
No. 4 Vein Selected Rock Sample Analyses

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
15727B	Channel	0.67	2.06	100.8	n/a	n/a	n/a	0.44	n/a	n/a
15728B	Channel	0.34	2.74	274.9	n/a	n/a	n/a	5.60	n/a	n/a
15729B	Channel	0.55	1.71	283.5	n/a	n/a	n/a	0.67	n/a	n/a
15730B	Channel	0.61	0.686	1265	n/a	n/a	n/a	19.90	n/a	n/a
15731B	Channel	0.40	1.37	1100	n/a	n/a	n/a	21.40	n/a	n/a
15732B	Channel	0.34	1.71	333.5	n/a	n/a	n/a	7.40	n/a	n/a

The 1988 diamond drilling program tested this structure at depth in eight holes for a total of 296.3 metres. Each hole intersected the mineralized structure, which consisted most commonly of a fault zone with abundant gouge which is irregularly mineralized with narrow galena veins and silicified wallrock containing arsenopyrite. The structure has been traced by drilling along a strike length of 220 metres and from 10 to 30 metres down-dip.

Table 7.2.6
No. 4 Vein Significant Intersections

Hole	From (m)	To (m)	Width (m)	Au (ppb)	Ag (g/t)	As (ppm)	Pb (ppm)
R-88-1	15.7	18.6	2.9	134	48	7900	12800
R-88-2	28.7	29.1	0.4	80	79.5	7800	16100
R-88-3	23.5	24.4	0.9	23	204	699	26600
R-88-4	9.6	11.7	2.1	357	224.5	29300	14700
R-88-5	9.5	14.2	4.7	207	245	17100	10700
R-88-6	20.9	24.4	3.5	577	115.8	23200	22500
R-88-7	24.5	25.3	0.8	408	11.9	3433	533
R-88-8	19.1	21.3	2.2	425	371.1	22305	21524

Overall, sampling of the No. 4 Vein in 1998 confirmed the results of previous workers. Results from surface sampling closely match intersections down-dip in drill holes. Samples at surface and of drill core indicate that mineralization terminates rapidly outside of the vein with anomalous values of less than 3000 ppm lead and less than 2500 ppm arsenic in the selvage of the vein. The vein structure appears narrower at surface with weaker evidence of faulting than encountered in drilling. A northwest-trending fault structure with a left-lateral sense of movement displaces the structure at surface. Based upon the drilling and 1969 surface work, Price (1989) calculated an unclassified, undiluted geologic resource of 22,000 tons averaging 2% lead, 342.8 g/t silver, and 0.343 g/t gold.

No. 5 and 6 Veins:

These two veins were excavated by trenching in 1969 and are found approximately 600 to 750 metres northwest of the No. 4 Vein. Like the majority of the other veins, they also have a northeast strike and were trenched for 150 and 200 metres, respectively. These veins were not examined by the author, although two samples were taken in 1998, returning values of up to 3342 ppb gold (22121) and 1909 g/t silver (22120).

No.7 Vein:

This occurrence consists of two sub-parallel veins about ten metres apart and striking 064° with a sub-vertical dip. They are located roughly 750 metres northwest of the No. 2 Vein, but were not examined by the author. The veins are hosted within a silicified gneiss and have a strike length of at least 50 metres. The mineralogy of these veins is similar to the other northeast-trending veins with galena, anglesite, and arsenopyrite in a scorodite-stained quartz-clay vein and silicified lithic breccia gangue. A chip sample of the southern vein was reported to contain 0.45 g/t gold, 669 g/t silver, 21.5% lead, and 1.04% arsenic over 1.7 metres. Sampling of this mineralization in 1998 returned values of up to 3063 ppb gold, and 3146 g/t silver.

Table 7.2.7
No. 7 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
22109	n/a	n/a	2217	989.3 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22110	n/a	n/a	0.27 g/t	1536 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22111	n/a	n/a	0.30 g/t	3146 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22230	n/a	n/a	3063	1154 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22231	n/a	n/a	35	9.7	n/a	n/a	n/a	n/a	n/a	n/a
22232	n/a	n/a	29	11.5	n/a	n/a	n/a	n/a	n/a	n/a
22391	n/a	n/a	647	275.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22395	n/a	n/a	766	120.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22396	n/a	n/a	299	48.1	n/a	n/a	n/a	n/a	n/a	n/a

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74426	Float	n/a	0.240	63.08	18900	n/a	n/a	0.77	n/a	n/a
74427	Select	n/a	0.994	2004	11600	n/a	n/a	60.83	n/a	n/a
74428	Chip	1.2	0.206	485.7	12000	n/a	n/a	15.6	n/a	n/a
74429	n/a	1.7	0.446	669.1	10400	n/a	n/a	21.48	n/a	n/a

No. 8 Vein:

The No. 8 Vein is located in the eastern portion of the Mag claims and is an east-striking vein that dips steeply to the south. It has been exposed by trenching over approximately 300 metres. This 20 to 30 centimetre wide vein consists of heavily oxidized anglesite and galena, with lesser arsenopyrite, stibnite, scorodite, and chalcopyrite in quartz and calcite. An oxidized and sericitized alteration envelope extends 1.7 metres into silicified gneiss and biotite schist. Select samples of this vein returned values of up to 3.02 g/t gold, 5510 g/t silver, 79.02% lead, 54,000 ppm arsenic, 6160 ppm copper, >10,000 ppm antimony, and 2710 ppm zinc. One sample of the alteration envelope contains anomalous lead, arsenic, and antimony and weakly anomalous silver values.

Table 7.2.8
No. 8 Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326439*	Chip	0.3	270	3040 g/t	>10000	14	6160	59.60%	>10000	2710
326440*	Grab	1.7	25	12.4	3680	<2	317	3030	126	1565
22242	n/a	n/a	0.20 g/t	2567 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22316	n/a	n/a	52	69.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22317	n/a	n/a	0.27 g/t	2687 g/t	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
74401	Select	n/a	0.206	2599	8800	n/a	n/a	37000	n/a	n/a
74402	Select	n/a	2.13	2269	54000	n/a	n/a	39500	n/a	n/a
74403	Select	n/a	1.41	5180	1200	n/a	n/a	34000	n/a	n/a
74404	Select	n/a	1.61	3620	280	n/a	n/a	33000	n/a	n/a
74405	Select	n/a	0.994	2499	4800	n/a	n/a	33000	n/a	n/a
74415	Select	n/a	0.274	2410	2600	n/a	n/a	79.02%	n/a	n/a
74418	Grab	n/a	2.74	1111	30800	n/a	n/a	18.10%	n/a	n/a
74419	Select	n/a	3.02	1067	38600	n/a	n/a	39.02%	n/a	n/a
74420	Select	n/a	0.206	2506	300	n/a	n/a	72.44%	n/a	n/a
74408	Float	n/a	<0.034	1.03	20	n/a	n/a	164	n/a	n/a
74409	Float	n/a	<0.103	4.46	96	n/a	n/a	6500	n/a	n/a

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
Channel 4	Channel	0.61	0.171	2218	n/a	n/a	n/a	62.0	n/a	n/a

No. 9 Vein:

This showing lies approximately 2.2 kilometres east of the No. 8 Vein, and roughly 800 metres east of the Mag claim boundary. This vein, which was mislabelled as the No. 6 Vein by Price (1988), as earlier workers named the trenches as 6 through 6-8; it was not examined by the author. The trenches have exposed the vein for 350 metres, which striking 080° with a sub-vertical dip. It is hosted in a Late Cretaceous quartz monzonite to granodiorite, comprising galena, stibnite, and tetrahedrite in a dominantly calcite and barite gangue with lesser quartz and clay. Channel sampling returned values of up to 5.14 g/t gold, 5697 g/t silver and 73.2% lead. Although mineralization decreases rapidly into the envelope, it is not uncommon for values to exceed 1.0 g/t gold, 100 g/t silver and 2.0% lead within a 0.6 metre wide envelope. This vein was drill-tested in 1988, but no reports on this work are available.

Table 7.2.9
No. 9 Vein Selected Rock Sample Analyses

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
74430	Float	n/a	0.857	57.6	3000	n/a	n/a	2.04	n/a	n/a
74431	Float	n/a	0.069	0.686	<100	n/a	n/a	0.11	n/a	n/a

1969 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (%)	Sb (ppm)	Zn (ppm)
1007	Channel(?)	1.52	0.171	170.7	n/a	n/a	n/a	2.3	n/a	n/a
1008	Channel(?)	0.30	0.686	5498	n/a	n/a	n/a	24.8	n/a	n/a
1009	Channel(?)	0.61	<0.171	76.79	n/a	n/a	n/a	1.2	n/a	n/a
1010	Channel(?)	0.30	1.03	96.33	n/a	n/a	n/a	2.15	n/a	n/a
1011	Channel(?)	0.12	0.686	2853	n/a	n/a	n/a	59.1	n/a	n/a
1012	Channel(?)	0.18	0.343	623.6	n/a	n/a	n/a	7.5	n/a	n/a
1013	Channel(?)	0.09	1.37	2586	n/a	n/a	n/a	73.2	n/a	n/a
1014	Channel(?)	0.30	1.37	981.1	n/a	n/a	n/a	15.6	n/a	n/a
Channel 1	Channel	1.22	4.11	5697	n/a	n/a	n/a	52.5	n/a	n/a
Channel 2	Channel	0.27	2.74	997.5	n/a	n/a	n/a	38.7	n/a	n/a
Channel 3	Channel	1.01	1.37	1117	n/a	n/a	n/a	24.2	n/a	n/a
1001	Channel(?)	0.61	0.171	47.99	n/a	n/a	n/a	1	n/a	n/a
1002	Channel(?)	0.61	5.14	313.0	n/a	n/a	n/a	3.22	n/a	n/a
1003	Channel(?)	0.61	1.03	135.7	n/a	n/a	n/a	2.55	n/a	n/a
1004	Channel(?)	0.61	<0.171	116.6	n/a	n/a	n/a	2.35	n/a	n/a
1005	Channel(?)	0.30	0.686	826.1	n/a	n/a	n/a	15.4	n/a	n/a
1006	Channel(?)	0.61	<0.171	74.04	n/a	n/a	n/a	1.1	n/a	n/a
1017	Channel(?)	0.15	3.09	1290	n/a	n/a	n/a	25.4	n/a	n/a
1019	Channel(?)	0.30	0.343	354.1	n/a	n/a	n/a	8.1	n/a	n/a
1021	Channel(?)	1.22	<0.171	25.37	n/a	n/a	n/a	0.49	n/a	n/a
1022	Channel(?)	0.61	1.71	37.71	n/a	n/a	n/a	1.05	n/a	n/a
1023	Channel(?)	0.30	1.37	2656	n/a	n/a	n/a	37.4	n/a	n/a
1024	Channel(?)	0.61	0.171	45.25	n/a	n/a	n/a	1.35	n/a	n/a
1025	Channel(?)	0.30	1.03	55.19	n/a	n/a	n/a	2.1	n/a	n/a
1967	Channel(?)	0.15	0.686	47.99	n/a	n/a	n/a	1.1	n/a	n/a

Magnetite Skarn:

This skarn is located approximately 450 metres east of the No. 8 Vein on the Mag claims lying at the contact of a monzonitic to granodioritic intrusive and a quartz-biotite schist. The showing is marked by a series of trenches and a test pit. There is a marble interlayer within the schist that forms the locus of mineralization at the apophysis of this intrusion. This marble appears to be of limited extent. The mineralogy of the skarn varies markedly from up to 100% massive magnetite (326434), to massive or banded diopside-actinolite(?) skarn with coarse, euhedral books of chlorite, coarse red to red-brown garnets (almandine?, spessartine?) and magnetite veinlets and masses (326435). Strong sericite-pyrite alteration (326436) that overprints the metamorphic texture is present within the schist. Very coarsely crystalline quartz and calcite with up to two centimetre euhedral pyrite cubes are also present (326437). Magnetite is also locally

introduced into the quartz-biotite schist as pervasive disseminations. This mineralization returned values of up to 1980 ppb gold, 2276 g/t silver, 1220 ppm arsenic, 5900 ppm lead, and 146 ppm bismuth. This showing was also drill-tested, but no reports are available.

Table 7.2.10
Magnetite Skarn Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326434*	Grab	20	1980	3.6	160	146	205	184	<2	344
326435*	Float	n/a	20	0.2	70	<2	22	26	<2	90
326436*	Float	n/a	5	0.2	30	<2	13	16	<2	18
326437*	Grab	1.3	285	23.8	1220	42	219	1485	52	754
326438*	Grab	3.0	<5	<.2	18	<2	3	12	<2	28
22238	n/a	n/a	556	2	n/a	n/a	n/a	n/a	n/a	n/a
22239	n/a	n/a	123	5.9	n/a	n/a	n/a	n/a	n/a	n/a
22240	n/a	n/a	71	0.5	n/a	n/a	n/a	n/a	n/a	n/a
22241	n/a	n/a	0.13 g/t	2276 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22334	n/a	n/a	8	2.2	n/a	n/a	n/a	n/a	n/a	n/a
22335	n/a	n/a	10	1.9	n/a	n/a	n/a	n/a	n/a	n/a
22336	n/a	n/a	<5	0.9	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

1987 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
74406	Grab	n/a	<0.05	15.08	44	n/a	n/a	3600	n/a	n/a
74407	Grab	n/a	<0.05	10.63	860	n/a	n/a	1600	n/a	n/a
74410	Grab	n/a	<0.10	<0.5	64	n/a	n/a	43	n/a	n/a
74411	Grab	n/a	<0.05	<0.5	28	n/a	n/a	102	n/a	n/a
74416	Grab	n/a	<0.069	20.91	100	n/a	n/a	5900	n/a	n/a
74499	Grab	n/a	33 ppb	<5	142	n/a	n/a	18	n/a	n/a

QZ-AS Vein:

This vein is exposed in a series of trenches that were excavated in 1969 and lie 350 metres southeast of the No. 2 Vein. The vein, which strikes from 062° to 074° and dips 48° to 76° to the north, extends discontinuously for 150 metres. It commonly pinches out and swells to widths of up to 25 to 40 centimetres. Mineralogically, it comprises coarse, comby to multi-episodal quartz with arsenopyrite, scorodite, malachite(?), sericite and pyritic boxworks. Sampling of this vein returned values of up to 3740 ppb gold, 537 g/t arsenic, 3790 ppm lead, and 1010 ppm antimony. Silicification and pyritic boxworks are locally present with sericite in the envelope of this vein. Sampling of the alteration envelope failed to return any anomalous values. A second generation of quartz veining was noted in subcrop, consisting of sucrosic to massive quartz with vitreous hairline quartz stringers.

Table 7.2.11
QZ-AS Vein Selected Rock Sample Analyses

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
326423*	Grab	0.3	1990	13.8	>10000	20	8800	752	196	88
326424*	Float	n/a	10	0.4	210	<2	16	92	6	18
326425*	Float	n/a	20	3.2	1040	<2	75	174	6	10
326426*	Grab	0.4	365	39.4	>10000	<2	318	3790	1010	20
326427*	Grab	2.2	<5	7.8	178	<2	26	286	14	14
326428*	Grab	0.3	10	4.4	4540	<2	57	1010	8	12
22326	n/a	n/a	764	68.6 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22327	n/a	n/a	8	2.1	n/a	n/a	n/a	n/a	n/a	n/a
22328	n/a	n/a	96	27.4	n/a	n/a	n/a	n/a	n/a	n/a
22329	n/a	n/a	344	30.2	n/a	n/a	n/a	n/a	n/a	n/a
22330	n/a	n/a	3740	537 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22331	n/a	n/a	350	42.5	n/a	n/a	n/a	n/a	n/a	n/a
22332	n/a	n/a	6	1.1	n/a	n/a	n/a	n/a	n/a	n/a
22333	n/a	n/a	7	1.8	n/a	n/a	n/a	n/a	n/a	n/a

* indicates samples collected by the author

Keyser (1988) reported that a zone of brecciated metasediments along a resistant ridge with a quartz, fluorite, calcite, pyrite and tourmaline matrix was found south of the magnetite skarn, but no anomalous precious nor base metal values were returned from this occurrence. He also reported a trench excavated to determine the source of scorodite-stained float uncovered a quartz breccia with traces of galena and arsenopyrite. This breccia contained 857 ppb gold, 278.7 g/t silver, 0.30% lead and 1.4% arsenic.

8.0 SOIL GEOCHEMISTRY

Previous workers covered much of the Mos and Mag claims with soil grids, but the earliest surveys analyzed only for lead, with selected areas deemed prospective for porphyry copper-molybdenum mineralization analyzed for copper and molybdenum as well. Later surveys also analyzed for gold, silver, arsenic, antimony, and lead, but their area of coverage over the current Mos and Mag claims was incomplete. This data is compiled on Figures 6 through 9 with contours plotted at anomalous levels of >100 ppm lead, >100 ppm copper, >10 ppm molybdenum, >114 ppm arsenic, >4.1 ppm antimony and >10 ppb gold set by previous workers. This previous work delineated numerous multi-element anomalies throughout the area covered by the Mos and Mag claims.

No. 1 Vein: This vein lies just west of the grid laid out in 1987, and as such, the soils over this area were only analyzed for lead. It consists of discontinuous lead anomalies stretching along the trend of this vein for 1800 metres, with values of up to 7800 ppm lead. Downslope dispersion from this vein is significant, extending 400 metres downslope and perpendicular to the strike of the vein. There are limited 1987 lead, gold, arsenic, and antimony anomalies on the opposite side of the ridge from this vein. It should be noted that these soils were taken after much of the trenching carried out at this showing, and may be affected by this disturbance.

No. 2 Vein and QZ-AS Vein: These veins also lie immediately west of the 1987 gridwork, with only lead values available for the soils, although the 1987 grid does reflect downslope dispersion from these veins. The lead anomaly trends roughly along the strike of these veins for 1000 metres, lying open to the

northeast, but this likely also reflects downslope dispersion. The lead anomaly attains a maximum of 1225 ppm. An arsenic-antimony±gold halo extends 1.2 kilometres to the northeast into the Mosquito Creek tributary valley.

No. 3 Vein: The lead soil anomaly over this vein extends for 500 metres along the strike of this vein, reaching a peak of 8300 ppm. The size of this anomaly limits the probable strike length of the No. 3 Vein. There is extensive downslope movement of this anomaly perpendicular to, and, possibly parallel to, the vein. Again, it should be noted that these soils were taken after much of the trenching and hand-mining and some of the sampling may have been from areas of surficial disturbance.

No. 4 Vein: This vein is marked by a 400 metres along strike by 500 metres, multi-element (Pb, As, Sb, ±Au) soil anomaly. This vein occurs at the lobe of a monzonitic intrusive, and the soil anomaly is somewhat truncated by the intrusion. A gold anomaly, up to 220 ppb gold, is found at the western extremity of the vein. The arsenic and antimony anomaly extends downslope for 500 metres and merges with the arsenic-antimony anomaly from the No. 2 and QZ-AS veins.

An arsenic-antimony-gold anomaly is found along an embayment of this intrusive body 600 metres southwest of the No. 4 Vein. This suggests the presence of additional intrusive-related mineralization, or the possibility of an extension to the No. 4 Vein, however, little lead is associated with this anomaly.

A series of isolated lead and copper anomalies are located roughly one kilometre northeast of this same monzonitic intrusive where previous workers noted a brecciated skarn. This suggests that there may be more intrusive-related mineralization in this largely unmapped area.

No. 5 and No. 6 Veins: These veins also lie outside of the multi-element 1987 soil grid, and are reflected by strong, but strike extent-limited lead anomalies.

No.7 Vein: This vein lies within the most extensive soil anomaly on the property, which stretches for 2.4 kilometres along the trend of the vein, and remains open to the northeast. Over the vein, soils reach a maximum of 1500 ppm lead. Downslope dispersion from this vein extends the anomaly 500 metres across strike. This lead anomaly extends to the southwest across a northwest-flowing creek and the adjacent ridge. This suggests that this structure may extend further to the southwest, with a maximum value of 6360 ppm lead.

No. 9 Vein: The No. 9 Vein is reflected by a 900 by 250 metre arsenic-lead-gold anomaly. It is unclear whether the length of this anomaly suggests a strike extension to this vein, or merely downslope dispersion. This anomaly contains maximum values of 260 ppm arsenic, 23 ppb gold and only 390 ppm lead with no anomalous antimony values, which is not consistent with this vein's mineralogy, which is reported to contain galena and stibnite. A broad, north-trending copper anomaly is also associated with this vein.

9090 Anomaly: This is one of the most interesting anomalies in the area covered by the Mos and Mag claims, with a maximum of 9090 ppb gold. The multi-element anomaly trends east-west and is 1.8 kilometres long by 0.4 kilometres wide and lies 400 metres west of the No. 8 Vein. It also hosts discontinuous arsenic (up to 1330 ppm), antimony (up to 44.8 ppm), lead (up to 1300 ppm), and copper anomalies. The anomaly covers the Magnetite Skarn, and the No. 8 Vein, and is largely within an area mapped as granodiorite, with the peak values occurring at a granodiorite - schist/quartzite contact.

Contact Anomaly: This linear, east-west trending anomaly, found roughly 500 metres north of the magnetite skarn, is 1800 metres long and 400 metres wide. This multi-element anomaly has maximum values of 760 ppm lead, 440 ppm arsenic, 106 ppm antimony, and 280 ppb gold with discontinuous copper anomalies. It roughly follows the contact of a granodiorite intruding schist and gneiss. No source mineralization related to this anomaly has been found.

The No. 8, and No. 9 Vein, Magnetite Skarn, Contact and 9090 Anomalies form a 4 by 1.5 kilometre belt of multi-element anomalies with widespread, isolated copper anomalies. This belt is associated with a variety of monzonites to granodiorites intruding schists, gneisses and quartzites with local skarn and hornfels development.

West-northwest of this area is a 1.5 by 1.3 kilometre zone of coincident, but discontinuous lead-copper±molybdenum anomalies. This area remains unmapped at the property-scale, and was originally investigated for its copper-molybdenum porphyry potential.

In 1998, four soil lines were run down the two ridges hosting the No. 2, 3, 7 Veins, the No. 4 Vein, and the ridge immediately to the west of these two ridges to investigate the precious metal potential of this area (Figures 4 and 5). Gold values were generally low, but anomalous values of up to 78 ppb are associated with the QZ-AS, No.2, No.3 and No. 7 veins. An anomalous value of 71 ppb gold is associated with some unmapped 1969 trenches on line R13, and an anomalous value of 227 ppb gold appears related to an occurrence of a brecciated, quartz diopside skarn.

9.0 GEOPHYSICS

A fluxgate ground magnetometer survey was conducted over selected portions of the 1987 grid. This survey reflected the magnetite skarn occurrence and suggests that it may be related to a south-dipping structure. A similar, although weaker anomaly was identified 400 metres to the east in an area with no anomalous geochemical results.

10.0 DISCUSSION AND CONCLUSIONS

The Mos and Mag claims are located 60 kilometres southwest of Dawson and are connected to Dawson by bulldozer tote roads, placer miner access roads and the Top of the World Highway, allowing for cost-effective access. The claims are underlain by Paleozoic metasediments and metaplutonics of the Nasina Assemblage, which are intruded by Late Cretaceous felsic intrusives. These claims are host to varying styles of mineralization, ranging from lead-silver-arsenic-gold veins to auriferous skarn mineralization. The claims are also prospective for hosting additional intrusion-related mineralization.

The Mos claims are host to eight sub-parallel quartz-arsenopyrite-galena-anglesite veins within a three by four kilometre area, hosting bonanza lead and silver grades with significant gold credits. At least two, and, perhaps three of these veins have been profitably hand mined in the past, including one bulk shipment in 1966 of 17.8 tonnes grading 67.3% lead, 2297 g/t silver and 0.206 g/t gold. Assays of this vein material have reached as high as 9.6 g/t gold. Although gold values appear to be inconsistent, ore has been successfully hand-mined from the No. 1, No. 3, and, perhaps, the No.4 veins in the past, indicating that these veins may still be viable exploration targets. A ground magnetometer and VLF-EM survey conducted in conjunction with focused soil sampling should successfully delineate the strike extent of the veins with sufficient confidence to carry out subsequent trenching and diamond drilling.

The northeast-striking, sub-vertical No. 1 Vein has been drilled and trenched over 250 metres of its 1100 metre strike length, testing its down-dip extent 30 metres below surface. Assays of this drill core closely reflected the surface sampling with consistent lead and silver values and erratic gold values ranging from 0.17 to 9.6 g/t over 0.3 metres. Chip sampling in 1998 identified the presence of anomalous copper, bismuth and antimony values in this vein, as well as local gold values (up to 3220 ppb) within the narrow alteration envelope. The overall success of the drill program suggests that this vein is still open along strike and at depth.

The No. 3 Vein is mineralogically and structurally similar to the No. 1 Vein with a northeast strike

and steep southerly dip. 1998 sampling returned values of up to 2390 ppb gold, up to 60.5% lead, and 2200 g/t silver, values comparable to those obtained by previous workers. This vein has also been shown to contain anomalous bismuth and antimony. A sample of the 1.5 metre wide altered footwall returned an anomalous gold value of 640 ppb gold. This vein has been tested by two drill holes along 85 metres of its strike length, designed to test its down-dip extent. One of the holes intersected the vein, returning values of 2.65% lead and 3.45 g/t silver. Soil geochemistry suggests that this vein is limited in strike extent and drilling has indicated that it is limited in down-dip extent.

The No. 4 Vein is another northeast-striking, south-dipping, quartz-arsenopyrite-galena-anglesite-pyrite±tetrahedrite vein that has been tested by trenching 160 metres along strike. The vein is in close proximity to, and appears to have been truncated by, a Late Cretaceous monzonite intrusive. Sampling of the vein has returned values of up to 2.74 g/t gold, 2451 g/t silver, and 34.9% lead with anomalous arsenic, bismuth, antimony, copper, tungsten and zinc values. It was drill-tested in 1988, resulting in unclassified, undiluted resource estimated at 19,958 tonnes grading 2% lead, 342.8 g/t silver, and 0.34 g/t gold by Price (1989).

The No. 2, 7, and QZ-AS Veins are similar northeast-striking quartz-arsenopyrite-galena veins that have returned values of up to 3740 ppb gold, 3590 g/t silver, and 67.2% lead with anomalous antimony and copper. Samples of the alteration envelope returned anomalous values in lead, silver, and arsenic from the No. 2 Vein. Select samples indicate that the silver is associated with galena, while gold appears associated with arsenopyrite mineralization. The strike extent of the narrow, <50 centimetres wide, No. 2 and QZ-AS Veins are unclear due to the probable overprint of downslope dispersion of soil geochemistry and lack of outcrop exposure. Soil geochemistry indicates that the No. 7 Vein may have a substantial strike extension of as much as 1.8 kilometres to the southwest.

The No. 5 and 6 Veins have been reported as similar, northeast-striking lead-silver arsenic veins that have been trenched over 150 and 200 metres, respectively, although they were not examined by the author. 1998 samples of this vein yielded 3342 ppb gold and 1909 g/t silver.

The No. 8 Vein, located on the Mag Claims, is an east-striking, south-dipping vein of similar mineralogy as the veins described above. Select samples of this 20 to 30 centimetre wide vein have returned values of up to 3.02 g/t gold, 5510 g/t silver, and 79.0% lead with anomalous arsenic, antimony, copper, and zinc. This vein lies within an extensive multi-element soil anomaly, associated with monzonitic to granodioritic intrusives and is open to further extension.

The No. 9 Vein, found just east of the Mag claim boundary, is also an east-striking vein, but has a different mineralogy. It comprises galena, stibnite, and tetrahedrite in a calcite, barite, quartz, and clay gangue. Channel samples have returned assays of up to 5.14 g/t gold, 5697 g/t silver, and 73.2% lead over widths of up to 1.2 metres. The vein is marked by an extensive multi-element soil anomaly, but it is unclear how much of the strike extent of this anomaly is due to mineralization and/or downslope dispersion.

The majority of the sub-parallel silver-lead-arsenic-gold veins on the Mos and Mag claims have been deposited in dilational zones that may be related to the regional Tintina fault structure. Like the Keno Hill and Plata-Inca veins, they form a near-surface, sub-parallel swarm of quartz-silver-lead veins with silver dominantly hosted in argentiferous galena. The numerous veins in the Keno and Galena Hill camps have produced over 200 million ounces of silver over the past seventy years (Burke, 1998). Although these mines are currently on care and maintenance, mineable reserves of 944,000 tonnes containing 930 g/t silver, 4.8% lead, and 3.9% zinc. Vein widths for the Mos and Mag veins are generally equal to, or narrower than these past producers. Unlike the Keno Hill and Plata-Inca veins, the Mos and Mag veins lack appreciable zinc mineralization, and aside from the No. 9 Vein lack a calcareous component to the gangue.

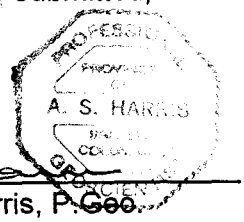
The Mag claims are named for a showing of massive magnetite skarn that has returned values of up to 1980 ppb gold, with anomalous bismuth and arsenic values. This skarn is located at the contact of a monzonitic intrusive and a marble interlayer within a quartz-biotite schist that locally includes bodies of quartzite. Skarns with a mineralogy of diopside (actinolite?), chlorite, garnet and magnetite are also present in the immediate vicinity, as is copper mineralization within very coarsely crystalline quartz, calcite and pyrite. This area is part of an extensive area of monzonitic to granodioritic intrusions associated with multi-element soil anomaly with values of up to 9090 ppb gold, 1330 ppm arsenic, 106 ppm antimony, and 1300 ppm lead. On the Mos claims, a brecciated quartz-diopside skarn is associated with gold in soils of up to 227 ppb gold.

Intrusion-related gold and base metal mineralization is widespread throughout a belt (the Tintina Gold Belt) that extends from south-central Yukon to east-central Alaska. This belt includes the 2 million contained ounce gold deposit at Dublin Gulch (Mortensen et al, 1996), the 3.8 million ounce contained gold Fort Knox deposit (Bakke, 1995), and the 5.2 million contained ounce gold deposit at Pogo (Teck press release dated October 27, 1998).

Although most of these deposits are related to the Early to Mid Cretaceous Tombstone Plutonic Suite, which has been classified based upon a narrow range of U-Pb dates, Mortensen (pers. comm.) prefers a less restrictive definition of gold-prospective intrusive suites, including most Cretaceous felsic intrusives in the Tintina Gold Belt. These suites range in age from 123 to 89 million years old. These intrusives immediately post-date regional tectonism related to terrane accretion and are usually hosted within greenschist-facies metamorphic rocks. There is a strong structural control to the emplacement of these intrusives and of the mineralization, which is often associated with long-lived, deep-seated structures. Mineralization is also associated with high-level portions of these intrusives, with the presence of skarns, metamorphic aureoles, cupolas, and apophyses as evidence. Mineralization associated with these deposits is varied and can be: intrusion-hosted; as quartz-sulphide veins within a hornfels zone; as sheeted vein systems; as disseminations and stockwork zones in differentiated intrusions and country rock; as auriferous mantos and replacements; and as copper-gold skarns. There is also a tenuous relationship between these intrusive bodies and Keno Hill-style vein systems. The mineralized systems are usually low sulphide systems with quartz-sericite-pyrite alteration and occasional pyrite-tourmaline-biotite-albite overprinting potassium feldspar-carbonate alteration. Gold, arsenic, bismuth, and tellurium are important geochemical pathfinders.

Many of the features diagnostic of these Cretaceous intrusive-related deposits are present on the Mos and Mag claims. Late Cretaceous monzonitic to granodioritic intrusives are found at two main localities on the property. Similar intrusives in this area have been dated at 63.6±3.8 million years, considerably younger than the Yukon-Alaska gold-associated intrusives, and no Early to Mid Cretaceous intrusives have thus far been mapped in the area. These Late Cretaceous intrusives are marked by cupolas, and apophyses, and are associated with skarn and hornfels development. Skarn mineralization is present at several localities, with one such skarn hosting significant gold mineralization. The quartzite bodies which have been reported within the schists and gneisses can be receptive hosts to replacement, disseminated, or stockwork mineralization due to their more permeable and brittle nature. Quartz-diopside- and tourmaline-lithic breccias have also been noted. The Mos and Mag intrusives are associated with significant gold-arsenic-antimony-lead-silver geochemistry, although gold anomalies are somewhat spotty in nature and these analyses did not include multi-element ICP analyses. However, especially in light of the major discoveries made recently in this belt, the presence of these features merits further investigation, as most exploration to date has focused on the high-grade veins. A program of detailed geological mapping and selected geochemical and geophysical surveys in this area would effectively evaluate this area.

Respectfully submitted,



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Vancouver, British Columbia
November 20, 1998

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APPENDIX A

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APPENDIX B

ROCK SAMPLE DESCRIPTIONS

AC	actinolite	AS	arsenopyrite	AG	Anglesite
BI	biotite	CA	calcite	CL	chlorite
CP	chalcopyrite	CV	covellite	CY	clay
DI	diopside	GA	garnet	GE	goethite
GL	galena	HE	hematite	JA	jarosite
MC	malachite	MG	magnetite	MN	Mn-oxides
MS	sericite	PY	pyrite	QZ	quartz
QZ	quartz	SI	silica	SR	scorodite
		TT	tetrahedrite		

ALTERATION INTENSITY

tr	trace	w	weak	m	moderate
		s	strong		

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326401	UTM	N	UTM	E	Strike Length Exp: 46 m	Metallics: 3%GL, trCP, 0.1%PY	2570	754 g/t	>10000	134
	Elevation	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: sGE, sJA, wHE, trMC, m	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 046°/89° SE		Vein		Host : Feldspar-augen Biotite-Muscovite Schist		1060	20.60%	892	280

Comments: Vein No.1 sample at GD98-04. 5 cm massive galena vein with pyrite, and chalcopyrite within a sericite quartz vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sMS, sCY, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326402	UTM	N	UTM	E	Strike Length Exp: 120 m	Metallics:	3220	55.2	>10000	138
	Elevation	m	Sample Width: 60	cm	True Width: 60 cm	Secondaries: GE, JA, SR	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 046°/89° SE		Vein		Host : Feldspar-augen Biotite-Muscovite Schist		481	1.98%	280	320

Comments: Alteration in hanging wall of No.1 Galena vein consisting of a clay-muscovite-sericite altered, brecciated contact to frothy sericite-muscovite-clay-oxide boxwork adjacent to oxidized galena vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Channel	Alteration: w-mMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326403	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics:	55	43.6	8030	170
	Elevation	m	Sample Width: 70	cm	True Width: 70 cm	Secondaries: mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		43	2120	26	96

Comments: Channel sample across a splay of Vein No.2.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, sQZ, mCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326404	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: <1%AS, <1%GL, trPY, trT	145	37.8	>10000	82
	Elevation	m	Sample Width: 1.5	m	True Width: 1.4 m	Secondaries: mSR, mGE, wJA, wMC?	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 061°/56° SE		Vein		Host : Quartz-Biotite Schist		146	9810	196	56

Comments: Chip sample across No.2 vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, mQZ, wCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326405	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: <1%AS	60	24	>10000	22
	Elevation	m	Sample Width: 1.3	m	True Width: 0.75 m	Secondaries: mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 076°/35° S		Vein		Host : Quartz-Biotite Schist		98	4280	22	26

Comments: Chip sample across footwall alteration zone of Vein No.2. Quartz veinlet stockwork in sericite altered schist with fine dark sulphides in veinlets.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mMS, wCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326406	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics:	20	2.8	7580	<2
	Elevation	m	Sample Width: 1.2	m	True Width: 0.96 m	Secondaries: w-mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Quartz-Biotite Schist		44	1005	10	18

Comments: Chip sample across footwall of Vein No.2.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQZ, mMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326407	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: 3-4%AS, 1-2%GL, 1%PY,	1500	93 g/t	>10000	8
	Elevation	m	Sample Width: 0.5	m	True Width: 0.4 m	Secondaries: sAG, mSR, MC?	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Biotite-Quartz-Muscovite Schist		493	2.44%	216	72

Comments: Chip sample across main splay of No.2 Vein. Lead is more massive and prevalent in proximity to hanging wall; arsenopyrite is associated with quartz, at footwall.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326408	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics:	125	12.2	>10000	<2
	Elevation	m	Sample Width: 1	m	True Width: 0.8 m	Secondaries: vsGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Biotite-Muscovite Schist		221	3240	326	270

Comments: Chip sample across intensely oxidized hanging wall to Vein No.2 with strong clay alteration in vein selvage.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326409	UTM	N	UTM	E	Strike Length Exp:	Metallics: 3-5%AS, 1-2%PY	3230	13.8	>10000	8
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mSR	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite-Muscovite Schist		347	1895	194	12

Comments: Select sample from arsenic-rich portion of No.2 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326410	UTM	N	UTM	E	Strike Length Exp:	Metallics: <1%GL, 2%PY, TT?	130	2150 g/t	5030	58
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: 70-80%AG, wCV	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite-Muscovite Schist		811	67.20%	2970	120

Comments: Select sample from lead-rich portion of No.2 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326411	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: 2-3%AS	240	65	>10000	84
	Elevation	m	Sample Width: 0.4	m	True Width: 0.3 m	Secondaries: mSR	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 050°/47° S		Vein		Host : Quartz-Biotite-Muscovite Schist		102	1.32%	230	160

Comments: Chip sample across splay of No.2 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326412	UTM	N	UTM	E	Strike Length Exp: 29 m	Metallics:	<5	0.6	366	<2
	Elevation	m	Sample Width: 0.7	m	True Width: 0.7 m	Secondaries: wGE, wMN	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite-Muscovite Schist		9	162	6	124

Comments: MnOx > FeOx stained, barren quartz vein.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326413	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: 1-2%AS	610	20.8	>10000	84
	Elevation	m	Sample Width: 0.5	m	True Width: 0.4 m	Secondaries: mSR, mGE, mJA	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Quartz-Muscovite-Biotite Schist		170	1695	64	40

Comments: Arsenic-rich footwall splay of No.2 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, mQZ, mCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326414	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: <1%AS	445	37.6	>10000	20
	Elevation	m	Sample Width: 0.45	m	True Width: 0.36 m	Secondaries: w-mSR, wJA, wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Quartz-Muscovite-Biotite Schist		288	7270	58	46

Comments: Wallrock sliver between 326413 and 326415.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sMS, sCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326415	UTM	N	UTM	E	Strike Length Exp: 67 m	Metallics: 5%GL	735	1365 g/t	>10000	66
	Elevation	m	Sample Width: 0.6	m	True Width: 0.48 m	Secondaries: 10%AG, wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 064°/53° S		Vein		Host : Quartz-Muscovite-Biotite Schist		1220	35.60%	1730	322

Comments: Chip sample across hanging wall splay of No.2 Vein with ~50% footwall material.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326416	UTM	N	UTM	E	Strike Length Exp: 9 m	Metallics: AS, GL	985	532 g/t	>10000	276
	Elevation	m	Sample Width: 0.4	m	True Width: 0.4 m	Secondaries: sAG, m-sSR, wJA, mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		1425	14.15%	1180	680

Comments: Grab sample across fractured outcrop or subcrop at Vein No.4.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ, mSI, w-mMS, wBI	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326417	UTM	N	UTM	E	Strike Length Exp: 140 m	Metallics: tr-1%PY, trAS	5	5.2	588	<2
	Elevation	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: w-mSR, wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		127	1745	48	112

Comments: Grab sample of footwall to No.4 Vein. Silica-quartz-sericite altered schist with patchy secondary biotite, trace arsenopyrite, trace pyrite and scorodite staining.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQZ, mMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326418	UTM	N	UTM	E	Strike Length Exp: 140 m	Metallics: 2-3%AS, 1%GL	570	888 g/t	>10000	132
	Elevation	m	Sample Width: 1.3	m	True Width: 1.3 m	Secondaries: 4-5%AG, mSR, mGE, w	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 033°/86° SE		Vein		Host : Quartz-Biotite Schist		831	17.90%	2890	462

Comments: Chip sample across No.4 Vein.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326419	UTM	N	UTM	E	Strike Length Exp: 190 m	Metallics: AS?	10	18.8	790	<2
	Elevation	m	Sample Width: 0.8	m	True Width: 0.8 m	Secondaries: w-mJA, w-mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Biotite-Quartz Schist		124	3280	76	104

Comments: Hanging wall alteration extends ~2 metres from high-graded No.4 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326420	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	<5	12.6	836	2
	Elevation	m	Sample Width: 0.8	m	True Width: 0.8 m	Secondaries: wJA, wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 036°/86° SE		Vein		Host : Feldspar-augen Quartz-Biotite Schist		76	2290	36	118

Comments: Footwall alteration to No.4 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sQZ, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326421	UTM	N	UTM	E	Strike Length Exp: 140 m	Metallics: AS, GL	1070	734 g/t	>10000	108
	Elevation	m	Sample Width: 0.8	m	True Width: 0.8 m	Secondaries: mSR, sAG	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 036°/86° SE		Vein		Host : Feldspar-augen Quartz-Biotite Schist		1460	15.10%	2620	1020

Comments: Chip sample across No.4 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: m-sCY, mMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326422	UTM	N	UTM	E	Strike Length Exp: 190 m	Metallics:	20	31.6	2370	4
	Elevation	m	Sample Width: 0.8	m	True Width: 0.8 m	Secondaries: m-sJA, w-mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 036°/86° SE		Vein		Host : Quartz-Biotite Schist		108	7230	270	286

Comments: Hanging wall to No.4 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ, mMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326423	UTM	N	UTM	E	Strike Length Exp:	Metallics: 2-3%AS	1990	13.8	>10000	20
	Elevation	m	Sample Width: 4	m	True Width: 0.3 m	Secondaries: m-sSR, wGE, wJA	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 074°/56° N		Vein		Host : Quartz-Biotite Schist		8800	752	196	88

Comments: Grab sample of coarse, comby to multi-episodal quartz-arsenopyrite vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326424	UTM	N	UTM	E	Strike Length Exp:	Metallics:	10	0.4	210	<2
	Elevation	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz Vein		16	92	6	18

Comments: Quartz vein subcrop in cat trench that trends parallel to quartz-arsenopyrite vein.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326425	UTM	N	UTM	E	Strike Length Exp:	Metallics:	20	3.2	1040	<2
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz Vein		75	174	6	10

Comments: Quartz float; massive to sucrosic with vitreous quartz stringers.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326426	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%AS	365	39.4	>10000	<2
	Elevation	m	Sample Width: 2.5	m	True Width: 0.4 m	Secondaries: w-mAS, mJA, mGE, trC	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 062°/48° N		Vein		Host : Quartz-Biotite Schist		318	3790	1010	20

Comments: Coarse, commonly comby or massive quartz+/-arsenopyrite vein with common boxworks. Appears to be less mineralized than 326423.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI, mQZ, wMS, wCY, wR	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326427	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	7.8	178	<2
	Elevation	m	Sample Width: 2.2	m	True Width: 1.6 m	Secondaries: w-mGE, wMN	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 062°/48° N		Vein		Host : Quartz-Biotite Schist		26	286	14	14

Comments: Footwall(?) alteration to quartz-arsenopyrite vein. Silicification overprints original texture. 3% pyritic boxworks.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: m-sMS, mQZ, mSI, mCY	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326428	UTM	N	UTM	E	Strike Length Exp:	Metallics:	10	4.4	4540	<2
	Elevation	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: w-mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 066°/76° N		Vein		Host : Quartz-Biotite Schist		57	1010	8	12

Comments: 30 cm wide silica-sericite (+/- quartz veinlet) alteration zone in hanging wall of quartz-arsenopyrite vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY, m-sMS, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326429	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: <1%GL	640	56	>10000	2
	Elevation	m	Sample Width: 10	m	True Width: 1.5 m	Secondaries: mJA, wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 071°/79° S		Vein		Host : Quartz-Biotite Schist		238	7850	98	138

Comments: Sampled from footwall of No.3 Vein. Sericite-clay altered schist with quartz+/-galena veining and pyritic boxworks.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCY, sMS, wQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326430	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics:	170	0.2	2340	<2
	Elevation	m	Sample Width: 6	m	True Width: 2.5 m	Secondaries: mJA, mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation 071°/79° S		Vein		Host : Quartz-Biotite Schist		9	112	2	52

Comments: Sericite-slay alteration in hanging wall of No.3 Vein with pyritic boxworks.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326431	UTM	N	UTM	E	Strike Length Exp:	Metallics: 40%GL	200	2200 g/t	3090	166
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: 30%AG	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		2310	60.50%	6580	62

Comments: Select sample of massive anglesite and galena in quartz gangue from lead-bearing material in muck pile of high-graded trench at No.3 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326432	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%GL, AS, <1%PY, TT?	1215	258 g/t	>10000	30
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sAG, mSR, mJA, mGE,	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		1010	4.99%	1150	340

Comments: Quartz-galena (anglesite)-pyrite-fine dark sulphide(arsenopyrite?)-bearing vein material from muck pile at high-graded trench at No.3 Vein.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ, mMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326433	UTM	N	UTM	E	Strike Length Exp:	Metallics: <1%AS, <1%PY	2390	13.8	>10000	6
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sJA, wSR, mGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mos Claims	Orientation				Host : Quartz-Biotite Schist		31	1035	72	68

Comments: Quartz-sulphide rubble in north-trending trench, lying west of No.3 Vein trench. Close to outcrop.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: w-mCL, w-mCA, wDI?, wQ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326434	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: 90%MG, <1%PY, trCP	1980	3.6	160	146
	Elevation	m	Sample Width: 20	m	True Width: cm	Secondaries: wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Magnetite Skarn		205	184	<2	344

Comments: Massive magnetite skarn with accessory sulphides and calcite, chlorite, quartz, and diopside?actinolite? gangue.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sDI?AC?, sCL, m-sGA	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326435	UTM	N	UTM	E	Strike Length Exp:	Metallics: <1%MG, trPY	20	0.2	70	<2
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Diopside-Chlorite-Garnet Skarn		22	26	<2	90

Comments: Diopside-(actinolite?)-chlorite-garnet skarn at massive magnetite showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sMS	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326436	UTM	N	UTM	E	Strike Length Exp:	Metallics: 2-3%PY	5	0.2	30	<2
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE, mJA	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Quartz-Biotite Schist		13	16	<2	18

Comments: Sericite-pyrite alteration in schist nearly obliterates texture. At Magnetite Skarn showing.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCA, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326437	UTM	N	UTM	E	Strike Length Exp: 1.5 m	Metallics: 3%PY, <1%MG	285	23.8	1220	42
	Elevation	m	Sample Width: 1.3	m	True Width:	Secondaries: mGE, trCV	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Quartz-Calcite Skarn		219	1485	52	754

Comments: Coarsely crystalline quartz and calcite with coarse (to 2 cm) euhedral pyrite and lesser magnetite with covellite as coating on pyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mSI	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326438	UTM	N	UTM	E	Strike Length Exp: 2.5 m	Metallics: 1-10%MG	<5	<.2	18	<2
	Elevation	m	Sample Width: 3	m	True Width: 3 m	Secondaries: wGE	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Quartz-Biotite Schist		3	12	<2	28

Comments: Variably bleached and silicified quartz-biotite schist with secondary magnetite related to skarn mineralization.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wQZ, wCA	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326439	UTM	N	UTM	E	Strike Length Exp: 2.5 m	Metallics: 60%GL, <1%AS, trCP	270	3040 g/t	>10000	14
	Elevation	m	Sample Width: 0.3	m	True Width: 0.3 m	Secondaries: sAG, sJA, sGE, w-mSR	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Biotite Schist		6160	59.60%	>10000	2710

Comments: Select sample of sulphide-bearing zone in quartz-calcite-galena vein.

Rock Sample Descriptions

Project Name: Sixtymile **Project:** BAR98-01 **NTS:** 115 N/15

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ, mMS, mCY, mCA	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
326440	UTM	N	UTM	E	Strike Length Exp: 2.5 m	Metallics:	25	12.4	3680	<2
	Elevation	m	Sample Width: 1.7	m	True Width: 1.7 m	Secondaries: sJA, sGE, wSR	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Mag Claims	Orientation				Host : Biotite Schist		317	3030	126	1565

Comments: Sampled from quartz-calcite vein host and sericite-clay alteration surrounding galena+/-chalcopyrite+/-arsenopyrite+/-anglesite vein.

APPENDIX C

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9831655

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9831655

(EIA) - EQUITY ENGINEERING LTD.

Project: BAR 98-01
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	40	Geochem ring to approx 150 mesh
226	40	0-3 Kg crush and split
3202	40	Rock - save entire reject
229	40	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	40	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	40	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	40	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	40	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	40	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	40	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	40	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	40	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	40	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	40	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	40	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	40	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	40	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	40	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	40	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	40	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	40	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	40	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	40	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	40	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	40	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	40	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	40	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	40	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	40	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	40	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	40	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	40	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	40	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	40	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	40	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	40	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	40	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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Analytical Chemists * Geochemists * Registered Assayers

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207 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Project : BAR 98-01
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 1
Certificate Date: 29-SEP-1998
Invoice No. : I9831655
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9831655

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
326401	205	226	2570	>100.0	0.27	>10000	100	< 0.5	134	0.03	7.5	3	47	1060	9.53	< 10	1	0.68	< 10	0.01	15
326402	205	226	3220	55.2	0.44	>10000	160	< 0.5	138	0.01	6.5	3	79	481	11.25	< 10	2	0.90	10	0.01	15
326403	205	226	55	43.6	0.28	8030	110	< 0.5	170	0.02	1.5	1	101	43	3.13	< 10	< 1	0.41	60	0.01	30
326404	205	226	145	37.8	0.29	>10000	30	< 0.5	82	< 0.01	1.5	1	163	146	2.54	< 10	< 1	0.35	10	0.01	15
326405	205	226	60	24.0	0.44	>10000	50	< 0.5	22	< 0.01	8.5	1	105	98	2.61	< 10	< 1	0.59	40	0.01	15
326406	205	226	20	2.8	0.53	7580	70	< 0.5	< 2	0.01	1.0	1	129	44	1.67	< 10	< 1	0.51	50	0.02	15
326407	205	226	1500	>100.0	0.41	>10000	40	< 0.5	8	< 0.01	2.5	3	122	493	4.81	< 10	1	0.24	20	0.01	15
326408	205	226	125	12.2	0.91	>10000	120	1.0	< 2	0.12	31.5	3	58	221	8.24	< 10	< 1	1.01	80	0.04	75
326409	205	226	3230	13.8	0.03	>10000	< 10	< 0.5	8	< 0.01	< 0.5	5	109	347	6.99	< 10	1	0.01	< 10	< 0.01	5
326410	205	226	130	>100.0	0.12	5030	< 10	< 0.5	58	< 0.01	49.0	1	10	811	2.30	< 10	< 1	0.14	< 10	< 0.01	< 5
326411	205	226	240	65.0	0.50	>10000	70	< 0.5	84	0.01	3.0	3	67	102	9.89	10	2	0.96	30	0.01	35
326412	205	226	< 5	0.6	0.17	366	10	< 0.5	< 2	0.02	1.5	1	177	9	0.42	< 10	< 1	0.05	10	0.01	820
326413	205	226	610	20.8	0.19	>10000	50	< 0.5	84	< 0.01	1.5	3	180	170	5.69	< 10	1	0.49	< 10	< 0.01	20
326414	205	226	445	37.6	0.50	>10000	50	< 0.5	20	< 0.01	4.0	2	139	288	4.43	< 10	< 1	0.58	10	0.01	15
326415	205	226	735	>100.0	0.74	>10000	10	< 0.5	66	0.01	12.0	2	45	1220	4.78	< 10	< 1	0.51	20	0.01	15
326416	205	226	985	>100.0	0.21	>10000	60	< 0.5	276	< 0.01	63.0	3	112	1425	5.21	< 10	1	0.27	< 10	< 0.01	30
326417	205	226	5	5.2	0.65	588	50	< 0.5	< 2	0.03	1.0	1	215	127	0.88	< 10	< 1	0.35	40	0.05	30
326418	205	226	570	>100.0	0.24	>10000	30	< 0.5	132	< 0.01	229	2	119	831	4.88	< 10	3	0.32	< 10	< 0.01	25
326419	205	226	10	18.8	1.12	790	160	< 0.5	< 2	0.01	3.5	1	152	124	1.16	< 10	< 1	0.66	20	0.20	50
326420	205	226	< 5	12.6	0.52	836	50	< 0.5	2	0.01	3.5	1	204	76	1.20	< 10	< 1	0.41	20	0.03	30
326421	205	226	1070	>100.0	0.21	>10000	30	< 0.5	108	< 0.01	87.0	3	106	1460	8.00	< 10	1	0.31	10	< 0.01	25
326422	205	226	20	31.6	0.94	2370	100	0.5	4	< 0.01	3.0	4	150	108	2.26	< 10	< 1	0.63	30	0.05	30
326423	205	226	1990	13.8	0.32	>10000	20	< 0.5	20	< 0.01	3.0	6	108	8800	10.20	< 10	3	0.12	< 10	< 0.01	45
326424	205	226	10	0.4	0.09	210	< 10	< 0.5	< 2	< 0.01	< 0.5	1	304	16	0.48	< 10	< 1	0.04	< 10	0.01	30
326425	205	226	20	3.2	0.28	1040	10	< 0.5	< 2	0.01	< 0.5	< 1	145	75	0.41	< 10	< 1	0.12	30	0.01	20
326426	205	226	365	39.4	0.28	>10000	10	< 0.5	< 2	< 0.01	14.5	1	211	318	1.51	< 10	< 1	0.14	< 10	0.01	15
326427	205	226	< 5	7.8	0.54	178	40	< 0.5	< 2	0.01	0.5	< 1	112	26	0.70	< 10	< 1	0.31	60	0.03	20
326428	205	226	10	4.4	0.68	4540	60	< 0.5	< 2	< 0.01	< 0.5	< 1	111	57	1.30	< 10	< 1	0.52	50	0.03	20
326429	205	226	640	56.0	0.51	>10000	80	< 0.5	2	< 0.01	2.0	1	116	238	3.63	< 10	< 1	0.45	30	0.01	60
326430	205	226	170	0.2	0.52	2340	110	< 0.5	< 2	0.01	< 0.5	1	109	9	1.51	< 10	< 1	0.35	50	0.03	35
326431	205	226	200	>100.0	0.08	3090	20	< 0.5	166	< 0.01	65.5	< 1	22	2310	1.01	< 10	< 1	0.13	10	< 0.01	< 5
326432	205	226	1215	>100.0	0.64	>10000	40	< 0.5	30	< 0.01	12.0	1	126	1010	4.52	< 10	1	0.39	30	0.03	20
326433	205	226	2390	13.8	0.25	>10000	10	1.5	6	0.04	3.5	2	170	31	4.07	< 10	< 1	0.26	360	< 0.01	65
326434	205	226	1980	3.6	0.85	160	380	< 0.5	146	1.70	3.5	< 1	14	205	>15.00	10	< 1	0.43	< 10	2.31	6520
326435	205	226	20	0.2	2.68	70	150	< 0.5	< 2	6.53	0.5	1	50	22	3.70	< 10	< 1	0.25	< 10	0.97	1845
326436	205	226	5	0.2	1.27	30	80	< 0.5	< 2	0.10	< 0.5	7	107	13	2.37	< 10	< 1	0.40	10	0.44	130
326437	205	226	285	23.8	0.08	1220	10	< 0.5	42	3.47	6.5	2	72	219	>15.00	< 10	< 1	0.03	< 10	3.10	>10000
326438	205	226	< 5	< 0.2	2.56	18	270	0.5	< 2	0.98	< 0.5	8	135	3	2.96	< 10	< 1	0.64	10	0.89	245
326439	205	226	270	>100.0	0.31	>10000	< 10	< 0.5	14	0.04	>500	1	70	6160	1.48	< 10	1	0.11	< 10	0.01	280
326440	205	226	25	12.4	0.62	3680	40	< 0.5	< 2	0.09	63.0	1	114	317	1.89	< 10	< 1	0.37	< 10	0.06	485

CERTIFICATION: Ian Pirie

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BAR 98-01
Comments: ATTN: STEWART HARRIS

Page Number :1-B
Total Pages :1
Certificate Date: 29-SEP-1998
Invoice No. :I9831655
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9831655

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
326401	205 226	17	< 0.01	< 1	820	>10000	892	< 1	53	< 0.01	< 10	< 10	3	< 10	280
326402	205 226	20	0.03	< 1	950	>10000	280	1	12	< 0.01	< 10	< 10	3	< 10	320
326403	205 226	4	0.02	1	170	2120	26	< 1	16	< 0.01	< 10	< 10	1	< 10	96
326404	205 226	3	< 0.01	2	100	9810	196	< 1	3	< 0.01	< 10	< 10	1	< 10	56
326405	205 226	3	< 0.01	2	180	4280	22	1	2	< 0.01	< 10	< 10	3	< 10	26
326406	205 226	4	< 0.01	1	170	1005	10	1	4	< 0.01	< 10	< 10	2	< 10	18
326407	205 226	4	< 0.01	2	90	>10000	216	1	< 1	< 0.01	< 10	< 10	3	< 10	72
326408	205 226	7	0.05	< 1	250	3240	326	1	93	< 0.01	< 10	20	5	< 10	270
326409	205 226	1	< 0.01	2	10	1895	194	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	12
326410	205 226	< 1	0.04	< 1	40	>10000	2970	< 1	2	< 0.01	< 10	20	< 1	< 10	120
326411	205 226	5	0.07	< 1	150	>10000	230	2	27	< 0.01	< 10	< 10	5	< 10	160
326412	205 226	3	< 0.01	5	40	162	6	< 1	1	< 0.01	< 10	< 10	< 1	< 10	124
326413	205 226	6	0.03	3	50	1695	64	< 1	3	< 0.01	< 10	< 10	2	< 10	40
326414	205 226	4	< 0.01	1	130	7270	58	1	< 1	< 0.01	< 10	< 10	3	< 10	46
326415	205 226	14	0.04	< 1	100	>10000	1730	< 1	14	< 0.01	< 10	90	2	< 10	322
326416	205 226	3	< 0.01	1	20	>10000	1180	< 1	10	< 0.01	< 10	< 10	3	70	680
326417	205 226	4	0.02	3	110	1745	48	< 1	5	< 0.01	< 10	< 10	2	< 10	112
326418	205 226	1	< 0.01	1	80	>10000	2890	1	8	< 0.01	< 10	< 10	4	50	462
326419	205 226	2	0.01	2	290	3280	76	2	7	0.04	< 10	< 10	9	< 10	104
326420	205 226	4	< 0.01	4	30	2290	36	< 1	3	< 0.01	< 10	< 10	1	< 10	118
326421	205 226	5	< 0.01	< 1	60	>10000	2620	1	3	< 0.01	< 10	< 10	5	< 10	1020
326422	205 226	2	0.01	2	520	7230	270	1	10	< 0.01	< 10	< 10	6	< 10	286
326423	205 226	3	< 0.01	< 1	140	752	196	4	< 1	< 0.01	< 10	< 10	5	< 10	88
326424	205 226	2	< 0.01	6	30	92	6	< 1	< 1	< 0.01	< 10	< 10	1	< 10	18
326425	205 226	1	0.05	1	80	174	6	< 1	3	< 0.01	< 10	< 10	< 1	< 10	10
326426	205 226	2	< 0.01	4	90	3790	1010	< 1	2	< 0.01	< 10	< 10	1	< 10	20
326427	205 226	1	0.01	1	140	286	14	< 1	6	< 0.01	< 10	< 10	2	< 10	14
326428	205 226	1	< 0.01	1	170	1010	8	1	4	< 0.01	< 10	< 10	3	< 10	12
326429	205 226	3	< 0.01	1	200	7850	98	2	1	< 0.01	< 10	< 10	3	< 10	138
326430	205 226	3	0.02	2	270	112	2	3	5	< 0.01	< 10	< 10	3	< 10	52
326431	205 226	< 1	< 0.01	< 1	240	>10000	6580	< 1	2	< 0.01	< 10	20	< 1	< 10	62
326432	205 226	2	< 0.01	1	240	>10000	1150	3	1	< 0.01	< 10	10	7	< 10	340
326433	205 226	1	0.08	3	90	1035	72	1	174	< 0.01	< 10	< 10	1	< 10	68
326434	205 226	< 1	< 0.01	1	230	184	< 2	1	26	0.02	< 10	40	28	< 10	344
326435	205 226	2	0.01	3	440	26	< 2	2	18	0.06	< 10	< 10	25	< 10	90
326436	205 226	4	0.01	4	120	16	< 2	4	8	0.01	< 10	< 10	27	< 10	18
326437	205 226	1	< 0.01	3	100	1485	52	1	35	< 0.01	< 10	10	10	< 10	754
326438	205 226	2	0.22	7	350	12	< 2	6	110	0.15	< 10	< 10	72	< 10	28
326439	205 226	8	0.01	1	< 10	>10000	>10000	< 1	89	< 0.01	< 10	30	28	< 10	2710
326440	205 226	1	0.02	3	40	3030	126	< 1	44	< 0.01	< 10	< 10	6	< 10	1565

CERTIFICATION: Ian Ritchie

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9833945

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9833945

(EIA) - EQUITY ENGINEERING LTD.

Project: BAR 98-01
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-OCT-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	8	Dry, sieve to -80 mesh
202	8	save reject
229	8	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	8	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	8	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	8	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	8	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	8	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	8	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	8	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	8	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	8	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	8	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	8	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	8	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	8	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	8	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	8	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	8	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	8	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	8	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	8	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BAR 98-01
Comments: ATTN: STEWART HARRIS

Page Number : 1-A
Total Pages : 1
Certificate Date: 26-OCT-1998
Invoice No. : I9833945
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9833945

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
98SHS-01	201	202	< 5	< 0.2	1.68	28	130	0.5	< 2	0.29	< 0.5	9	27	18	2.69	< 10	< 1	0.11	30	0.51	265
98SHS-02	201	202	< 5	< 0.2	2.25	8	100	0.5	< 2	0.25	< 0.5	10	30	20	2.66	< 10	< 1	0.09	10	0.61	260
98SHS-03	201	202	< 5	< 0.2	2.08	310	230	0.5	< 2	0.25	0.5	8	31	46	2.80	< 10	< 1	0.13	30	0.62	220
98SHS-04	201	202	< 5	< 0.2	2.04	38	80	0.5	< 2	0.18	0.5	8	26	15	3.19	< 10	< 1	0.18	20	0.52	345
98SHS-05	201	202	10	0.2	2.39	128	110	0.5	< 2	0.21	0.5	9	30	26	3.15	< 10	< 1	0.12	40	0.60	305
98SHS-06	201	202	< 5	< 0.2	2.62	194	150	0.5	< 2	0.33	1.5	17	39	27	4.48	10	< 1	0.49	30	1.00	690
98SHS-07	201	202	< 5	< 0.2	2.12	88	130	1.0	< 2	0.23	< 0.5	7	30	22	3.03	< 10	< 1	0.16	50	0.63	285
98SHS-08	201	202	< 5	< 0.2	2.56	42	120	0.5	< 2	0.14	< 0.5	10	23	17	3.51	< 10	< 1	0.38	20	1.08	380

CERTIFICATION: Hawthfiddler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: [redacted] EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BAR 98-01
Comments: ATTN: STEWART HARRIS

Page Number : 1-B
Total Pages : 1
Certificate Date: 26-OCT-1998
Invoice No. : I9833945
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9833945

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
98SHS-01	201	202	1	< 0.01	15	590	42	< 2	5	21	0.08	< 10	< 10	42	< 10	62
98SHS-02	201	202	1	< 0.01	22	590	14	< 2	4	16	0.09	< 10	< 10	49	< 10	68
98SHS-03	201	202	1	< 0.01	19	580	168	< 2	5	19	0.09	< 10	< 10	49	< 10	106
98SHS-04	201	202	1	< 0.01	15	390	22	< 2	4	13	0.12	< 10	< 10	54	< 10	86
98SHS-05	201	202	1	< 0.01	23	550	126	< 2	4	18	0.09	< 10	< 10	52	< 10	128
98SHS-06	201	202	4	< 0.01	26	640	196	< 2	6	19	0.19	< 10	< 10	88	< 10	362
98SHS-07	201	202	1	< 0.01	19	610	50	< 2	5	19	0.08	< 10	< 10	50	< 10	84
98SHS-08	201	202	3	< 0.01	16	390	54	< 2	4	12	0.11	< 10	< 10	43	< 10	66

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9832079

Comments: ATTN: STEWART HARRIS

CERTIFICATE A9832079

(EIA) - EQUITY ENGINEERING LTD.

Project: BAR 98-01
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-SEP-1998.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	12	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
384	10	Ag g/t: Gravimetric	FA-GRAVIMETRIC	3	1000
312	12	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9832079

SAMPLE	PREP CODE		Ag FA g/t	Pb %								
326401	244	--	754	20.6								
326402	244	--	-----	1.98								
326407	244	--	93	2.44								
326410	244	--	2150	67.2								
326411	244	--	-----	1.32								
326415	244	--	1365	35.6								
326416	244	--	532	14.15								
326418	244	--	888	17.90								
326421	244	--	734	15.10								
326431	244	--	2200	60.5								
326432	244	--	258	4.99								
326439	244	--	3040	59.6								

CERTIFICATION: Saad Ahmad +

OVERLIMITS from A9831655

Northern Analytical Laboratories ltd.

105 Copper F
Whitehorse, Yu
Y1A 2
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Fax: (867) 668-4
E-mail: NAL@hypertech.yk

07/07/98

Assay Certificate

17363 Yukon Inc.

Morley Barker

WO# 05518

Certified by

Sample #	Au ppb	Au* g/mt	Ag ppm
22094	5		10.1
22095	<5		6.4
22096	<5		0.5
22097	<5		0.6
22098	8		0.1
22099	<5		0.1
22100	6		<0.1
22101	<5		<0.1
22102	<5		<0.1
22103	<5		<0.1
22104	6		<0.1
22105	<5		<0.1
22106	<5		<0.1
22107	6		0.1
22108		0.57	>50.0
22109	2217		>50.0
22110		0.27	>50.0
22111		0.30	>50.0
22112	1180		>50.0
22113		0.33	>50.0
22114	108		>50.0
22115	<5		20.1
22116	20		27.3
22117		1.30	>50.0
22118	14		11.1
22119	150		>50.0
22120		0.83	>50.0
22121	3342		>50.0

Note: Au is 30gm FA/AAS except:
* samples with very high Ag were analysed with gravimetric finish

Northern Analytical Laboratories ltd.

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31/07/98 Certificate of Analysis Page 1

17363 Yukon Inc. WO# 05545

Morley Barker Certified by

	Sample #	Au 30g ppb	Au 30g* g/mt	Ag ppm	Ag g/mt	
1R	r 22201	17		0.4		
	r 22202	9		0.4		
	r 22203	59		0.3		
	r 22204	<5		0.1		
	r 22205	7		<0.1		
	r 22206	<5		1.3		
	r 22207	6		0.2		
	r 22208	<5		<0.1		
	r 22209	13		0.1		
	r 22210	8		<0.1		
	r 22211	8		<0.1		
	r 22212	8		0.1		
	r 22213	53		0.3		
	r 22214	97		5.9		
	r 22215	7		<0.1		
	r 22216	19		<0.1		
	r 22217	6		0.3		
1R	r 22218	36		0.1		
GE C3	r 22219	<5		<0.1		
	r 22220	<5		<0.1		
	r 22221	<5		<0.1		
	r 22222	<5		<0.1		
	r 22223	<5		0.1		
	r 22224	<5		0.2		
	r 22225	<5		0.1		
GE - GG	r 22226	10		<0.1		
	r 22227	<5		<0.1		
GE - GG	r 22228	468		0.1		
	r 60m 22229	3588		>50.0	97.5	3.14
	r 60m 22230	3063		>50.0	1154.0	37.32

Northern Analytical Laboratories ltd.

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17363 Yukon Inc.

WO# 05545

Morley Barker

Certified by

	Sample #	Au 30g ppb	Au 30g* g/mt	Ag ppm	Ag g/mt	
r	22231	35		9.7		
r	22232	29		11.5		
r	22233	4113		>50.0	177.6	5.72
r	22234		0.97	>50.0	2123.0	68.48
r	22235		1.20	>50.0	1520.0	49.03
r	22236	68		12.8		
r	22237	<5		1.6		
r	22238	556		2.0		
r	22239	123		5.9		
r	22240	71		0.5		
r	60M 22241		0.13	>50.0	2276.0	73.42
r	MA6 22242		0.20	>50.0	2567.0	
r	22243	<5		22.7		
r	22244	5		1.9		
r	22245	7		1.4		
r	22246	6		1.4		
r	22247	5		0.2		
r	22248	7		0.9		
r	22249	5		1.1		
r	22250	29		0.8		
r	22136	5		0.6		
r	22137	<5		0.2		
r	22138	<5		0.1		
r	22139	7		0.1		

Note: Samples with very high Ag were analysed with gravimetric finish.

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21/08/98 Certificate of Analysis

17363 Yukon WO# 05564

Certified by

	Sample #	Au 30g ppb	Au 30g* g/mt	Ag ppm	Ag g/mt	Ag grav g/mt
	r 22301	4594		1.9		
	r 22302	34		0.2		
	r 22303	9		6.1		
	r 22304	17		0.9		
	r 22305	602		>50.0	163.2	
	r 22306	3590		>50.0		576
	r 22307	1160		>50.0	195.1	
	r 22308	1394		>50.0	202.9	
	r 22309	784		42.6		
	r 22310	216		>50.0	80.1	
	r 22311	330		>50.0	163.8	
	r 22312	6		2.7		
	r 22313	7		0.8		
	r 22314	4094		>50.0	223.0	
	r 22315	14		8.0		
	r 22316	52		>50.0	69.4	
	r 22317		0.27	>50.0		2687
	r 22318	11		4.6		
	r 22319	10		3.9		
	r 22320	2036		>50.0	76.5	
	r 22321	7		21.8		
	r 22322	54		21.4		
	r 22323	1266		15.5		
	r 22324	11		1.3		
	r 22325	<5		0.4		
	r 22326	764		>50.0	68.6	
	r 22327	8		2.1		
	r 22328	96		27.4		
	r 22329	344		30.2		
	r 22330	3740		>50.0		537

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17363 Yukon

WO# 05564

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	Sample #	Au 30g ppb	Au 30g* g/mt	Ag ppm	Ag g/mt	Ag grav g/mt
r	22331	350		42.5		
r	22332	6		1.1		
r	22333	7		1.8		
r	22334	8		2.2		
r	22335	10		1.9		
r	22336	<5		0.9		
r	22351	35		1.5		
r	22352	634		42.3		
r	22353	1019		34.7		
r	22354	1234		>50.0	60.3	
r	22355	551		5.1		
r	22356	189		1.7		
r	22357	394		6.3		
r	22358	10		2.3		
r	22359	<5		0.7		
r	22360	<5		<0.1		
r	22361	292		>50.0	50.0	
r	22362	1961		1.3		
r	22363	1133		0.3		
r	22364	537		0.4		
r	22365	1351		>50.0	181.4	
r	22366		1.61	>50.0		1242
r	22367	249		36.6		
r	22368	3538		>50.0	190.1	
r	22369		0.89	>50.0		1854
r	22370		1.27	>50.0		1198
r	22371	31		9.2		
r	22372	377		>50.0	99.4	
r	22373	266		>50.0	70.9	
r	22374	1476		>50.0	388.0	

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	Sample #	Au 30g ppb	Au 30g* g/mt	Ag ppm	Ag g/mt	Ag grav g/mt
r	22375	34		>50.0	245.0	
r	22376	351		>50.0	79.2	
r	22377	6344		>50.0	230.5	
r	22378		1.13	>50.0		2061
r	22379	940		>50.0	320.0	
r	22380	1016		>50.0	98.7	
r	22381	3466		>50.0	113.9	
r	22382	2162		>50.0	95.0	
r	22383	356		>50.0	73.2	
r	22384	24		3.7		
r	22385	6		1.3		
r	22386	<5		0.7		
r	22387	<5		0.1		
r	22388	<5		2.5		
r	22389	6		0.2		
r	22390	<5		0.7		
r	22391	647		>50.0	275.0	
r	22392	<5		2.4		
r	22393	970		>50.0		616
r	22394	810		>50.0		975
r	22395	766		>50.0	120.9	
r	22396	299		48.1		
r	22397	1449		24.5		
r	22398	514		>50.0		613
r	22399	1560		17.3		
r	22400	1730		27.8		
r	21545	1370		>50.0	162.7	
r	PIT - B	12		0.2		

Note: * Samples with very high Ag were analysed for Au with gravimetric finish.

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WO# 05608

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	Sample #	Au 30g ppb
s	R1 0+00	<5
s	R1 0+25	<5
s	R1 0+50	<5
s	R1 0+75	<5
s	R1 1+00	<5
s	R1 1+25	<5
s	R1 1+50	<5
s	R1 1+75	<5
s	R1 2+00	6
s	R1 2+25	<5
s	R1 2+50	<5
s	R1 2+75	<5
s	R1 3+00	<5
s	R1 3+25	<5
s	R1 3+50	<5
s	R1 3+75	<5
s	R1 4+00	<5
s	R1 4+25	6
s	R1 4+50	<5
s	R1 4+75	<5
s	R1 5+00	<5
s	R1 5+25	<5
s	R1 5+50	<5
s	R1 5+75	<5
s	R1 6+00	7
s	R1 6+25	5
s	R1 6+50	<5
s	R1 6+75	<5
s	R1 7+00	5
s	R1 7+25	5

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	Sample #	Au 30g ppb
s	R1 7+50	<5
s	R1 7+75	5
s	R1 8+00	<5
s	R1 8+25	<5
s	R1 8+50	<5
s	R1 8+75	<5
s	R1 9+00	6
s	R1 9+25	<5
s	R1 9+50	<5
s	R1 9+75	<5
s	R1 10+00	<5
s	R1 10+25	<5
s	R1 10+50	78
s	R1 10+75	13
s	R1 11+00	<5
s	R1 11+25	8
s	R1 11+50	<5
s	R1 11+75	<5
s	R1 12+00	<5
s	R1 12+25	<5
s	R1 12+50	<5
s	R1 12+75	<5
s	R1 13+00	<5
s	R1 13+25	<5
s	R1 13+50	<5
s	R1 13+75	<5
s	R1 14+00	6
s	R1 14+25	6
s	R1 14+50	5
s	R1 14+75	<5

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	Sample #	Au 30g ppb
s	R1 15+00	<5
s	R1 15+25	7
s	R1 15+50	<5
s	R1 15+75	<5
s	R1 16+00	8
s	R1 16+25	9
s	R1 16+50	<5
s	R1 16+75	<5
s	R1 17+00	<5
s	R1 17+25	<5
s	R1 17+50	33
s	R1 17+75	<5
s	R1 18+00	<5
s	R1 18+25	8
s	R1 18+50	<5
s	R1 18+75	6
s	R1 19+00	<5
s	R1 19+25	6
s	R1 19+50	5
s	R1 19+75	5
s	R1 20+00	<5
s	R1 20+25	<5
s	R1 20+50	<5
s	R1 20+75	6
s	R1 21+00	<5
s	R1 21+25	<5
s	R1 21+50	<5
s	R1 21+75	<5
s	R1 22+00	<5
s	R1 22+25	<5

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	Sample #	Au 30g ppb
s	R1 22+50	<5
s	R1 22+75	<5
s	R1 23+00	<5
s	R1 23+25	<5
s	R1 23+50	<5
s	R1 23+75	<5
s	R12 J 0+00	5
s	R12 J 0+50	6
s	R12 J 1+00	8
s40	R12 J 1+50	<5
s	R12 J 2+00	9
s	R12 J 2+50	<5
s	R12 J 3+00	5
s	R12 J 3+50	<5
s	R12 J 4+00	8
s	R12 J 4+50	<5
s	R12 J 5+00	<5
s	R12 J 5+50	<5
s	R12 J 6+00	<5
s	R12 J 6+50	<5
s	R12 J 7+00	<5
s	R12 J 7+50	<5
s	R12 J 8+00	<5
s	R12 J 8+50	<5
s	R12 J 9+00	<5
s	R12 J 9+50	<5
s	R12 J 10+00	<5
s	R12 J 10+50	6
s	R12 J 11+00	9
s	R12 J 11+50	13

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	Sample #	Au 30g ppb
s	R12 J 12+00	<5
s	R12 J 12+50	<5
s	R12 J 13+00	<5
s	R12 J 13+50	<5
s	R12 J 14+00	<5
s	R12 J 14+50	<5
s	R12 J 15+00	6
s	R12 J 15+50	<5
s	R12 J 16+00	<5
s	R12 J 16+50	<5
s	R12 J 17+00	<5
s	R12 J 17+50	<5
s	R13 0000	<5
s	R13 50	6
s	R13 100	<5
s	R13 150	<5
s	R13 200	<5
s	R13 250	<5
s	R13 300	<5
s	R13 350	<5
s	R13 400	<5
s	R13 450	<5
s	R13 500	12
s	R13 550	<5
s	R13 600	6
s	R13 650	<5
s	R13 700	<5
s	R13 750	<5
s	R13 800	<5
s	R13 850	10

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	Sample #		Au 30g ppb
s	R13	900	71
s	R13	950	6
s	R13	1000	<5
s	R13	1050	<5
s	R13	1100	<5
s	R13	1150	<5
s	R13	1200	<5
s	R13	1250	<5
s	R13	1300	<5
s	R13	1350	7
s	R13	1400	<5
s	R13	1450	<5
s	R13	1500	227
s	R13	1550	<5
s	R13	1600	7
s	R13	1650	5
s	R13	1700	<5
s	R13	1750	<5
s	R13	1800	<5
s	R13	1850	<5
s	R13	1900	<5
s	R13	1950	<5
s	R13	2000	<5
s	R13	2050	<5
s	R13	2100	<5
s	R13	2150	<5
s	R13	2200	<5
s	R13	2250	<5
s	R13	2300	<5
s40	R	0+00	<5

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Sample #			Au 30g ppb
s	R	0+25	<5
s	R	0+50	<5
s	R	0+75	14
s	R	0+100	<5
s	R	0+125	16
s	R	0+150	5
s	R	0+175	<5
s40	R	0+200	<5
s	R	0+225	<5
s	R	0+250	5
s	R	0+275	5
s	R	0+300	<5
s	R	0+325	7
s	R	0+350	<5
s	R	0+375	<5
s	R	0+400	6
s	R	0+425	9
s	R	0+450	<5
s	R	4+75	<5
s	R	5+00	<5
s40	R	5+25	<5
s	R	5+50	6
s	R	5+75	11
s	R	6+00	8
s	R	6+25	7
s	R	6+50	<5
s	R	6+75	<5
s40	R	7+00	<5
s	R	7+25	<5
s	R	7+50	5

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Sample #			Au 30g ppb
s	R	7+75	<5
s	R	8+00	9
s40	R	8+25	<5
s40	R	8+50	7
s40	R	8+75	<5
s40	R	9+00	<5
s40	R	9+50	<5
s	R	9+75	<5
s	R	10+00	6
s	R	10+25	5
s	R	10+50	<5
s	R	10+75	<5
s40	R	11+00	5
s	R	11+25	<5
s	R	11+50	5
s	R	11+75	<5
s	R	12+00	6
s	R	12+25	5
s	R	12+50	<5
s	R	12+75	<5
s	R	13+00	<5
s40	R	13+25	<5
s	R	13+50	<5
s	R	13+75	6
s	R	14+00	<5
s	R	14+25	<5
s40	R	14+50	<5
s	R	14+75	6
s	R	15+00	<5
s	R	15+25	5

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	Sample #		Au 30g ppb
s	R	15+50	5
s	R	15+75	<5
s	R	16+00	<5
s	R	16+25	<5
s	R	16+50	<5
s	R	16+75	62
s	R	17+00	5
s	R	17+25	7
s	R	17+50	9
s	R	17+75	25
s	R	18+00	12
s	R	18+25	<5
s	R	18+50	5
s	R	18+75	<5
s	R	19+00	<5
s	R	19+25	6
s	R	19+50	<5
s	R	19+75	<5
s	R	20+00	<5
s	R	20+25	<5
s	R	20+50	<5
s	R	20+75	<5
s	R	21+00	<5
s	R	21+25	<5
s	R	21+50	12
s	R	22+00	<5
s	R	22+50	<5
s	R	23+00	<5
s	R	23+50	5
s	R	24+00	<5

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	Sample #		Au 30g ppb
s40	R	24+50	<5
s	R	25+00	<5
s	R	25+50	<5
s	R	26+00	<5
s	R	26+50	<5
s	R	27+00	<5
s	R	27+50	<5
s	R	28+00	<5
s	R	28+50	31
s	R	29+00	8
s	R	29+50	18
s	R	30+00	10
s	R	30+50	<5
s	R	31+00	<5
s	R	31+50	<5
s	R	32+00	<5
s	TEST	-80 mesh	30
m	TEST	-40 mesh	29
r		22291	14
r		22292	19
r		22293	8
r		22294	<5
r		22295	<5
r		22296	<5
r		22297	34
r		22298	10
r		22300	783

CERTIFICATE OF ANALYSIS
iPL 98H0893

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Homestake Canada Inc
Project : 90820 Yukon
Shipper : Dominic Bordin
Shipment: PO#:
Analysis:
Au(FA/AAS 30g) ICP(AqR)30

Comment:

66 Samples Out: Aug 31, 1998 In: Aug 26, 1998 [089309:21:53:89092598]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP 12M/Dis	REJECT 03M/Dis
B211	66	Rock	crush, split & pulverize		

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000
02	0364	FAGrav	g/mt	Au FA/Grav in g/mt	Gold	0.07	1000.00
03	0354	FAGrav	g/mt	Ag FA/Grav in g/mt	Silver	0.3	99999.0
04	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
05	0711	ICP	ppm	Cu ICP	Copper	1	20000
06	0714	ICP	ppm	Pb ICP	Lead	2	20000
07	0730	ICP	ppm	Zn ICP	Zinc	1	20000
08	0703	ICP	ppm	As ICP	Arsenic	5	10000
09	0702	ICP	ppm	Sb ICP	Antimony	5	1000
10	0732	ICP	ppm	Hg ICP	Mercury	3	10000
11	0717	ICP	ppm	Mo ICP	Molydenum	1	1000
12	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
13	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
14	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
15	0710	ICP	ppm	Co ICP	Cobalt	1	10000
16	0718	ICP	ppm	Ni ICP	Nickel	1	10000
17	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
18	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
19	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
20	0729	ICP	ppm	V ICP	Vanadium	2	10000
21	0716	ICP	ppm	Mn ICP	Manganese	1	10000
22	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
23	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
24	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
25	0736	ICP	ppm	Sc ICP	Scandium	1	10000
26	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
27	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
28	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
29	0712	ICP	%	Fe ICP	Iron	0.01	10.00
30	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
31	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
32	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
33	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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BC Certified Assayer: David Chiu

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iPL 98H0893

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Client : Homestake Canada Inc
Project: 90820 Yukon

66 Samples
66=Rock

[089309:21:53:89092598]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
01273	Rock	1200	1.20	442.4	0.3m	1032	2.1%	310	3.6%	0.2%	<3	67	<10	<2	16.8	2	3	8	<5
01274	Rock	3100	3.23	175.1	0.2m	883	16542	607	8.8%	417	<3	8	<10	187	54.7	5	5	<2	<5
01275	Rock	549	—	—	4.3	1589	666	34	5.4%	52	4	1	<10	5	7.3	3	3	9	<5
01276	Rock	1760	1.80	—	0.9	14491	145	154	15%	111	4	1	<10	10	19.2	19	11	<2	<5
01277	Rock	9100	8.53	301.5	0.3m	1270	2.2%	330	19%	440	4	6	<10	728	30.2	8	8	<2	6
01295	Rock	<2	—	—	0.8	90	174	202	55	5	<3	2	<10	<2	14.3	3	5	72	<5
01296	Rock	30	—	—	0.7	106	1328	69	345	16	<3	0.2%	<10	<2	6.0	1	2	89	21
01297	Rock	<2	—	—	0.1	43	19	25	127	<5	<3	28	<10	<2	4.6	15	40	115	<5
19649	Rock	1300	1.33	253.1	0.2m	272	2.4%	84	1.4%	0.1%	<3	47	<10	<2	9.4	1	5	5	<5
19650	Rock	1080	1.07	149.2	0.2m	222	10790	302	15%	232	<3	2	<10	225	28.4	6	6	<2	<5
19651	Rock	2780	2.73	—	12.1	5692	598	49	15%	240	4	1	<10	11	14.8	7	11	<2	<5
19652	Rock	13	—	—	3.0	198	210	180	2013	<5	<3	6	<10	<2	14.6	12	15	19	<5
19672	Rock	<2	—	—	0.1	51	56	33	30	<5	<3	2	<10	<2	3.8	6	5	198	<5
19674	Rock	1960	1.83	393.0	0.3m	2162	2.1%	1110	6.7%	0.2%	<3	5	<10	10	50.5	3	4	<2	<5
Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	99999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

CERTIFICATE OF ANALYSIS
iPL 98H0893

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Homestake Canada Inc
Project: 90820 Yukon

66 Samples
66=Rock

[089309:21:53:89092598]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
01273	120	9	34	100	17	2	1	<0.01	0.40	0.02	4.58	0.02	0.10	<0.01	0.01
01274	82	3	373	8	11	2	1	<0.01	0.27	0.03	8.54	0.01	0.12	<0.01	0.01
01275	101	4	30	26	3	2	1	<0.01	0.35	0.01	4.79	0.02	0.34	<0.01	0.02
01276	88	9	53	7	1	3	6	<0.01	0.42	<0.01	11%	0.01	0.12	<0.01	0.03
01277	21	7	17	3	9	3	<1	<0.01	0.26	0.01	20%	0.01	0.57	<0.01	0.04
01295	155	3	103	13	7	1	1	<0.01	0.45	0.10	0.69	0.12	0.10	0.04	0.03
01296	102	<2	89	19	3	2	<1	<0.01	0.37	0.01	4.22	0.02	0.30	<0.01	0.01
01297	132	45	221	10	65	2	4	0.11	3.00	1.00	3.02	0.86	0.90	0.20	0.04
19649	188	2	33	14	6	2	<1	<0.01	0.23	0.01	1.97	0.01	0.14	<0.01	<0.01
19650	77	3	20	3	5	2	1	0.01	0.06	<0.01	12%	<0.01	0.13	<0.01	<0.01
19651	82	6	40	6	1	3	2	<0.01	0.21	<0.01	11%	<0.01	0.14	<0.01	0.02
19652	59	76	2065	11	3	3	15	0.01	4.80	0.05	9.56	2.90	0.17	<0.01	0.02
19672	104	61	232	20	25	3	2	0.15	0.84	0.46	3.02	0.49	0.26	0.04	0.09
19674	97	<2	200	28	6	2	2	<0.01	0.42	0.01	5.22	0.01	0.14	<0.01	0.01
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 98H0893

INTERNATIONAL PLASMA LABORATORY LTD.
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Client : Homestake Canada Inc
Project: 90820 Yukon

66 Samples
66=Rock

[089309:21:53:89092598]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Type	Au ppb	Au g/mt	Ag g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm
20626	Rock	990	0.90	451.2	0.2m	1658	2.0%	3962	6.1%	0.2%	8	233	<10	78	62.3	6	7	<2	886
20627	Rock	72	—	—	21.0	180	15274	309	1.8%	344	<3	10	<10	<2	31.3	2	11	<2	8
20628	Rock	81	—	—	9.1	259	4382	336	1.7%	223	<3	14	<10	<2	40.6	2	3	42	7
20629	Rock	730	—	—	11.6	471	3768	109	3.1%	70	<3	4	<10	5	7.2	2	4	<2	<5
20630	Rock	3200	3.40	—	28.0	1254	6290	20	14%	248	<3	1	<10	6	15.2	6	9	<2	<5
20631	Rock	36	—	—	4.8	89	1538	20	1.4%	18	<3	2	<10	5	6.3	1	2	23	<5
20632	Rock	7	—	—	1.5	29	237	40	2997	7	<3	2	<10	<2	3.3	<1	2	51	<5
20633	Rock	27	—	—	0.9	62	318	320	1732	13	<3	2	<10	<2	7.3	1	1	37	<5
20634	Rock	3360	3.60	—	33.5	672	5920	1607	16%	0.2%	<3	7	<10	22	0.1m	11	4	<2	839
20635	Rock	1560	1.40	303.8	0.2m	3337	2.4%	541	5.4%	0.2%	6	10	<10	32	0.1m	4	6	<2	<5
20636	Rock	<2	—	—	0.4	19	91	109	375	10	<3	1	<10	<2	6.7	19	22	813	<5
20637	Rock	28	—	—	7.0	201	3964	310	3242	23	<3	3	<10	<2	5.9	1	6	36	<5
20638	Rock	<2	—	—	<0.1	13	58	30	138	<5	<3	<1	<10	<2	2.2	3	6	65	<5
20639	Rock	3	—	66.5	76.2	135	7861	64	1226	44	<3	5	<10	40	1.5	<1	1	155	<5
20640	Rock	<2	—	—	0.7	19	90	42	58	<5	<3	<1	<10	<2	1.4	5	3	84	<5
20641	Rock	<2	—	—	1.1	16	389	10	178	<5	<3	4	<10	<2	1.4	<1	4	19	<5
20642	Rock	<2	—	—	<0.1	54	28	423	143	<5	<3	<1	<10	<2	3.9	3	7	38	<5
20643	Rock	172	—	—	0.4	157	85	98	<5	<5	<3	<1	<10	38	47.5	8	15	22	<5
20644	Rock	29	—	—	0.3	31	20	1808	126	<5	<3	<1	<10	<2	14.2	26	9	13	<5

Minimum Detection		2	0.07	0.3	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5
Maximum Detection		10000	1000.00	99999.0	100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	100.0	10000	10000	10000	1000
Method		FA/AAS	FAGrav	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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Client : Homestake Canada Inc
Project: 90820 Yukon

66 Samples
66=Rock

[089309:21:53:89092598]

Out: Aug 31, 1998
In : Aug 26, 1998

Sample Name	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20626	83	5	259	2	8	3	1	<0.01	0.88	0.02	10%	0.03	0.09	<0.01	0.78
20627	222	4	116	3	47	2	<1	<0.01	0.20	0.02	4.54	0.02	0.16	<0.01	0.05
20628	72	8	121	89	95	2	2	<0.01	0.87	0.13	7.72	0.05	0.90	<0.01	0.03
20629	179	2	33	19	2	1	1	<0.01	0.30	0.01	2.70	0.01	0.17	<0.01	0.01
20630	114	3	14	3	1	2	<1	<0.01	0.03	<0.01	9.55	<0.01	0.05	<0.01	<0.01
20631	152	2	19	42	9	1	2	<0.01	0.28	0.01	2.03	0.01	0.35	<0.01	0.02
20632	145	2	22	42	8	1	1	<0.01	0.42	0.03	1.61	0.02	0.44	0.01	0.02
20633	112	5	137	25	4	2	2	0.01	0.91	0.06	3.75	0.17	0.27	<0.01	0.03
20634	60	5	654	27	8	3	2	<0.01	0.29	<0.01	14%	<0.01	0.13	<0.01	<0.01
20635	129	5	60	10	17	1	3	<0.01	0.57	0.01	4.67	0.01	0.13	<0.01	0.02
20636	134	100	584	20	170	2	11	0.27	4.60	1.43	4.35	2.37	2.17	0.25	0.09
20637	162	3	47	31	40	1	1	<0.01	0.48	0.07	2.55	0.05	0.46	<0.01	0.06
20638	118	9	179	21	7	6	2	0.04	0.85	0.08	1.55	0.50	0.27	0.04	0.01
20639	67	13	13	14	4	6	1	<0.01	0.92	0.01	0.91	0.02	0.27	0.01	0.09
20640	85	39	206	12	39	2	2	0.09	0.40	0.27	1.13	0.16	0.10	0.08	0.04
20641	145	<2	22	22	1	1	<1	<0.01	0.23	0.01	1.13	0.02	0.18	<0.01	0.01
20642	123	12	195	27	8	1	3	0.05	0.77	0.24	1.41	0.28	0.31	0.03	0.08
20643	17	36	868	<2	2	9	<1	0.02	0.07	0.03	25%	0.26	<0.01	<0.01	0.01
20644	47	231	1531	5	107	2	22	0.16	5.80	2.04	7.40	2.22	1.93	0.17	0.09
Minimum Detection	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	10000	1.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

G.S. Davidson
Consulting Geologist
1 Boswell Crescent
Whitehorse, Y.T.
Y1A 4T2

August 15, 1998

17363 Yukon Inc.
Whitehorse YT
Attention: Morley Barker, Pete Risby
FAX 668-2467

094 025

Dear Sirs,

Re: Exploration progress on the MOS claims, Sixtymile area, western Yukon.

This is a preliminary summary of exploration activities on the MOS claims of 17363 Yukon Inc. The writer examined the area on August 8, 1998 and has reviewed rock sample information provided by prospectors Morley Barker and Pete Risby. The writer also inspected geological and exploration reports covering work programs (1969-1988) performed in the MOS claim area by previous owners. The following assessment is provided:

LOCATION: The MOS claims are located about 20 kilometers south of the old townsite of SixtyMile, 70 kilometers southwest of the town of Dawson and 10 kilometers east of the Alaska border on NTS Map Sheet 115 M-15, at geographical coordinates 63° 55' N and 140° 45'W. The property is accessible from the Top of the World Highway by a series of bush roads which access the numerous placer mines on the SixtyMile River and Miller Creek. The Matson Creek road is followed along the ridge tops to the claim block and several roads branch off to the old drillsites and trenches. The total road distance from Dawson to the property is 105 kilometers.

Topographically, the area has moderate relief typical of the Dawson District with deep creek and river valleys incising a series of rounded ridges and domes. Small tributaries occupy steep sided valleys and end abruptly against the ridges. The long sinuous ridges divide the drainage's and are usually above treeline. Outcrop is limited to the steepest slopes and high ridges, the region was ice free during the more recent glaciations. Overburden is shallow and vegetation consists of patchy poplar and spruce forest. Much of the claim area is barren featuring alpine grasses and moss.

TITLE: The MOS property consists of 90 quartz claims and the writer observed that claim posts were standing and the lines were well marked. Claim tags have not been attached to the posts as the tags have not been received from the mining recorder.

TARGET: This area was staked to cover an Early Cretaceous intrusion and the surrounding metamorphic rocks which host a number of east-west trending galena bearing vein-faults and associated gold-bearing quartz stockwork and breccia zones. The target is gold mineralization occurring in the proximity of Tombstone Suite or Early Cretaceous intrusive bodies. In Alaska and the Yukon this target is being pursued by major and junior resource companies.

HISTORY: The area of the MOS claims was prospected at the turn of the century, resulting in the discovery of several galena veins. Modern exploration started in the 1960's with bulldozer trenching on the silver rich galena veins. In 1966 a 19.6 ton shipment of high grade galena was shipped to the Cominco smelter in Trail, B.C. returning an average of 67 opt silver, 0.06 opt gold and 67.3% lead. Surface exploration was performed by Connaught Mines Ltd. and Archer, Cathro Associates Ltd. from 1968-1970. Extensive bulldozer trenching traced the main vein-faults over strike lengths of up to 300 meters. Diamond drilling outlined small tonnages of silver bearing galena which are uneconomic at present day prices.

In the mid 1980's the area was staked by Walhala Explorations Ltd. and optioned to several VSE junior companies. Surface exploration and diamond drilling were performed from 1987-1988. Several promising gold values were obtained however the claims were allowed to lapse when focus shifted to other areas and types of mineralization. The previous exploration provides partial coverage of the MOS claims by soil geochemistry. Several strongly anomalous Au-As zones are indicated. Also, the numerous cat trenches provide good bedrock exposure in the mineralized areas.

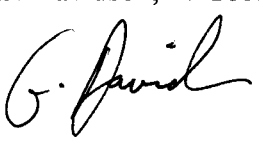
GEOLOGY: The MOS claims are within the Yukon-Tanana Terrane of the northern Cordillera, and are primarily underlain by metamorphic rocks of Paleozoic age. Pelly gneiss, Klondike schist, and Nasina quartzite are the most common units. The sequence is intruded by Early Cretaceous granitic rocks of quartz monzonite composition. Cretaceous or younger volcanic rocks and felsic porphyries, part of the Dawson Range Intrusives are exposed in the vicinity. Locally the rocks consist mainly of quartz-mica schist, augen gneiss, marble, quartzite and chert. Structurally, the area features thrust faults and normal faults, evident as topographical breaks, depressions and linears.

MINERALIZATION: Massive to brecciated galena veins occur along steeply dipping fault zones occurring in altered augen gneiss. The bleached zone around the veins is up to 15 meters wide containing quartz fragment bands in fractured and silicified gneiss featuring phyllic and argillic alteration. Massive galena and anglesite give the high silver values while silicified and fractured wall rocks produce higher gold values.

1998 EXPLORATION: The prospectors have concentrated their sampling on the alteration zones around the galena veins and in several fractured and silicified zones found in the cat trenches. Good gold values, up to several grams per tone are being obtained from the sampling and results are pending from approximately 100 samples collected from the various zones. On the writers visit to the property the silicified zones were examined and sampled with a total of 15 samples taken (results pending). The prospectors have found several quartz stockwork zones in felsic rocks which have good potential for hosting significant gold mineralization.

DISCUSSION AND RECOMMENDATIONS: Pending the results of the rock sampling it is difficult to recommend any further work at this time. If the sampling proves successful, then I would suggest a more detailed systematic sampling and mapping program of the numerous cat trenches. Also, general surface exploration of the most promising areas by grid development, geochemistry and geophysical surveys would be recommended. The writer is preparing a compilation map of the property. On receipt and evaluation of the rock sample results the writer will provide more complete recommendations with a proposed budget.

Yours truly,
G.S. Davidson, P. Geol.



SAMPLE NUMBER	DESCRIPTION	AU PPB	AG PPM	Sb PPM	AS PPM	PB PPM	ZN PPM
21962**	Mos 78, trench 2, grab of limonitic, weakly brecciated felsic porphyry, manganese staining	<5	0.2	3	112	80	299
21963**	Mos 78, trench 4, grab of well mineralized breccia band, 10 cm wide, quartz veinlets, 5% galena, 2% arsenopyrite	704	>50	989	>10000	>10000	119
21964**	No. 1 vein zone, southern end of main trench, grab of fractured felsic dyke cutting vein, limonite	23	7.4	105	4380	3010	722
21965**	No. 1 vein zone, north end of main trench, grab of white alteration zone in hanging wall of vein, quartz veinlets, 2% arsenopyrite	114	11.0	50	>10000	2330	159
21966**	No. 1 vein zone, same location as above but footwall alteration material, 2% arsenopyrite	19	13.6	105	>10000	7440	260
21967**	No. 2 vein, grab of bleached fracture zone	15	6.3	13	2760	3950	59
21968**	No. 7 vein, grab of quartz sericite schist, weak quartz veining, weak fracturing	<5	0.7	3	154	123	19
21969**	No. 7 vein, grab of bleached wall rock from vein	<5	0.2	2	52	157	3
21970**	No. 7 vein, grab of brecciated wall rock with fine quartz veinlets	<5	0.1	2	37	109	10

21971**	No. 3 vein, grab of beige felsic volcanic wall rock from footwall of vein	10	3.8	4	1055	1222	10
21972**	No. 3 vein, grab of hangingwall bleached schist, minor quartz veining	<5	0.1	4	21	124	69
21973**	No. 3 vein, grab of limonitic quartz mica schist from main trench	8	0.7	2	788	394	21
21974**	No. 4 vein, southwest end of trench, grab across 1.0 m of vein material	97	>50	>10000	>10000	>10000	133
21975**	No. 4 vein, middle of trench, grab sample over 0.75 m of vein material, 2% arsenopyrite, 5% galena	1583	>50	1234	>10000	>10000	342
21976**	No. 4 vein, north end of vein exposure, grab over 1.0 m of vein material, minor galena	23	6.7	354	1446	4860	247

(**) Samples collected and described by G. Davidson, see Fig. 4 for locations.

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21/08/98 Certificate of Analysis Page 1

MORLEY 668-2467

17363 Yukon WO# 05568

G. Davidson Certified by

	Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
r	Upper Trenches 21962	<5	0.2	9	80	299	112	3
r	Upper Trenches 21963	704	>50.0	85	>10000	119	>10000	989
r	21964	23	7.4	635	3010	722	4380	105
r	No. 1 21965	114	11.0	204	2330	159	>10000	50
r	21966	19	13.6	163	7440	260	>10000	105
r	No. 2 21967	15	6.3	47	3950	59	2760	13
r	No. 7 21968	<5	0.7	12	123	19	154	3
r	21969	<5	0.2	11	157	3	52	2
r	21970	<5	0.1	21	109	10	37	2
r	21971	10	3.8	8	1222	10	1055	4
r	No. 3 21972	<5	<0.1	6	124	69	21	4
r	21973	8	0.7	32	394	21	788	2
r	21974	97	>50.0	659	>10000	133	>10000	>10000
r	No. 4 21975	1583	>50.0	272	>10000	342	>10000	1234
r	21976	23	6.7	53	4860	247	1446	354

MOS AND MAG CLAIMS

ROCK SAMPLE DESCRIPTIONS

MAG CLAIMS

SAMPLE NUMBER	DESCRIPTION	AU PPB	AG PPM	Bi PPM	AS PPM	PB PPM	ZN PPM
22238*	grab from shaft dump of malachite stained skarn	556	2				
22239*	grab of magnetite skarn from old trench	123	5.9				
22240*	grab of magnetite skarn from old showing, galena	71	0.5				
22241*	grab of galena rich magnetite skarn from cat trench	130	2276				
22242*	grab from old trench at end of No. 8 vein, galena bands in limonitic quartz vein	200	2567				
22243*	grab of arsenopyrite bands in skarn	<5	22.7				
22312*	grab of limonitic zone on granodiorite from Trench 1	6	2.7				
22313*	grab of quartz monzonite with minor pyrite	7	0.8				
22314*	grab of quartz stockwork in granodiorite, 2% chalcopyrite	4094	223.0				
22315*	grab of granodiorite with minor chalcopyrite, pyrite, azurite and malachite	14	8				
22316*	grab of stockwork veining at No. 8 vein, minor galena	52	69.4				
22317*	grab of 60 cm wide quartz galena vein from old trench on No. 8 vein	270	2687				

22321*	old drill core, granodiorite, minor chalcopyrite	7	21.8				
22322*	old drill core, stockwork quartz veining in granodiorite	54	21.4				
22334*	grab from old trench of stockwork veining near magnetite skarn lense	8	2.2				
22335*	same as above but 4 m away	10	1.9				
22336*	grab of magnetite skarn	<5	0.9				

MOS CLAIMS

21545*	grab of arsenopyrite-galena bands in quartz vein in schist	1370	162.7				
22109*	grab across No. 7 vein, arsenopyrite and tetrahedrite	2217	989.3				
22110*	grab of stockwork veining, arsenopyrite	270	1536				
22111*	grab of vein material, chalcopyrite and galena	300	3146				
22117*	grab of vein material from No. 4 vein	1300	1238				
22118*	grab of limonitic stockwork quartz veining, No. 4 vein	14	11.1				
22119*	grab of stockwork veining, No. 4 vein	150	231.4				
22120*	grab of No. 5 vein, galena-quartz vein	830	1909				
22121*	grab of galena and vein material from No. 5 vein	3342	124.8				
22229*	grab of quartz breccia material from old trench downslope of No. 2 vein	3588	97.5				
22230*	grab of oxide alteration zone on No. 7 vein, galena	3063	1164				
22231*	grab of intrusive rock beside No. 7 vein	35	9.7				

22232*	grab of altered and brecciated quartz material from cat trench	29	11.5				
22233*	grab from south end of Vein No. 1, lime green stained weathered vein material	4113	177.6				
22234*	same location as above, grab of white galena bearing vein material	970	2123				
22235*	same location as above, grab of galena vein material	1200	1520				
22236*	grab of vuggy quartz vein, arsenopyrite, No. 3 vein	68	12.8				
22237*	grab of vuggy quartz muscovite schist	<5	1.6				
22260*	grab of alteration zone, lime green stain, jarosite, No. 1 vein	4256	125.1				
22261*	grab of alteration zone around quartz vein at No. 1 vein	1470	1515				
22301*	grab of silicified breccia zone, limonitic quartz-carbonate veining, old trench	4594	1.9				
22302*	same location as above but adjoining old trench, grab of limonitic and vuggy quartz-carbonate veining	34	0.2				
22303*	same location as above but third old trench, grab of vuggy brecciated quartz veining, manganese staining	9	6.1				
22304*	same location as above, grab of vuggy manganese stained quartz	17	0.9				

22305*	old trenches at west end of No. 2 vein, grab of altered intrusive rock, quartz stockwork zone	602	163.2				
22306*	same location as above, grab of scorodite stained vein zone	3590	576				
22307*	No. 2 vein area, on a cat trail, grab of quartz stockwork in altered intrusive rock	1160	195.1				
22308*	same location as above, grab of stained vuggy stockwork zone along cat trail	1394	202.9				
22309*	same location as above, grab of altered material along cat trail	784	42.6				
22310*	No. 2 vein zone, grab of quartz stockwork with minor galena	216	80.1				
22311*	east end of No. 2 vein zone from cat trail, grab of vuggy stained stockwork zone	330	163.8				
22323*	No. 2 vein zone, grab of green stained vein material, arsenopyrite	1266	15.5				
22324*	No. 2 vein zone, stockwork veining	11	1.3				
22325*	No. 2 vein zone, rusty stockwork veining	<5	0.4				
22326*	old trenches south of No. 2 vein, grab of 1m wide vuggy green stained quartz vein	764	68.6				
22327*	same area as above, grab of altered quartz stockwork	8	2.1				
22328*	same area as above, grab of green stained quartz veining	96	27.4				

22329*	same area as above, grab of vuggy quartz stockwork from largest trench, arsenopyrite	344	30.2				
22330*	same as above, grab of green staining	3740	537				
22331*	same as above, grab of vein stockwork	350	42.5				
22332*	same as above, grab of altered wall rock	6	1.1				
22333*	same as above , grab of fractured wall rock	7	1.8				
22351*	Mos 74 claim, grab of quartz breccia	35	1.1				
22352*	Mos 74, old trench, grab of vuggy quartz vein, minor arsenopyrite	634	42.3				
22353*	Mos 74, old trench, grab of quartz vein, arsenopyrite	1019	34.7				
22353*	Mos 74, old trench, grab of quartz vein, arsenopyrite	1019	34.7				
22354*	Mos 75, old trench, grab of manganese stained quartz arsenopyrite vein	1234	60.3				
22355*	Mos 75, old trench beside road, grab of quartz arsenopyrite vein	551	5.1				
22356*	ridge east of the No. 1 vein, old cat trench, grab of quartz vein in schist	189	1.7				
22357*	same location as above, grab of broken quartz arsenopyrite vein	394	6.3				
22358*	trench on west side of road, grab of rusty vuggy quartz, minor pyrite	10	2.3				
22361*	old trench, grab of quartz vein, stained, arsenopyrite	292	50				

22362*	No. 7 vein area, grab of quartz vein in schist from old trench	1961	1.3				
22363*	No. 7 vein area, grab of quartz vein material	1133	0.3				
22364*	No. 7 vein area, grab of rusty quartz vein	537	0.4				
22366*	No. 1 vein area, grab of vein material from old trench south of main vein, malachite, galena	1610	1242				
22367*	same as above, grab of vein material, jarosite, arsenopyrite	249	36.6				
22368*	same as above, grab of vein material, scorodite arsenopyrite	3538	190.1				
22369*	No. 3 vein zone, grab of high grade galena from main trench 3-1	890	1854				
22370*	No. 3 vein area, grab of galena from trench 3-2	1270	1198				
22371*	No. 3 vein area, trench 3-3, grab of altered veining, arsenopyrite	31	9.2				
22372*	No. 3 vein area, trench 3-4, grab of arsenopyrite bearing quartz breccia vein	377	99.4				
22373*	No. 3 vein area, trench 3-5, grab of arsenopyrite bearing quartz breccia vein	266	70.9				
22374*	No. 3 vein area, trench 3-6, grab of quartz stockwork, stained, arsenopyrite	1476	388				
22375*	No. 3 vein area, trench 3-7, grab of stockwork quartz veining, minor arsenopyrite	34	245				
22376*	No. 3 vein area, trench 3-8, grab of quartz breccia zone	351	79.2				

22377*	old trench east of No. 7 vein zone, grab of quartz sulphide band, galena, arsenopyrite	6344	230.5				
22378*	No. 3 vein zone, trench 3-2, grab of vein material, arsenopyrite and galena	1130	2061				
22379*	No. 3 vein zone, trench 3-3 of main trench, grab of quartz vein in granite, scorodite	940	320				
22380*	No 7 vein zone, trench 7-4 along vein, grab of altered material, minor arsenopyrite	1016	98.7				
22381*	No 7 vein zone, trench 7-5 along vein, grab of pyritic alteration zone	3466	113.9				
22382*	No 7 vein zone, trench 7-6 north of vein, grab of breccia zone with quartz stockwork, minor arsenopyrite	2162	95.0				
22383*	No. 7 vein zone, trench 7-7 east of main vein, quartz breccia material, minor arsenopyrite	356	73.2				
22384*	No 7 vein zone, trench 7-8 east of main vein, grab of limonitic schist	24	3.7				
22385*	south of No. 3 vein, grab of quartz vein	6	1.3				
22386*	between No. 2 and No. 7 veins, grab of altered schist from road bank	<5	0.7				
22387*	same location as above, grab of stockwork quartz veining	<5	0.1				
22390*	150 m south of above location along road, altered stockwork in schist	<5	0.7				
22391*	No. 7 vein zone, grab	647	275				
22392*	south of No. 2 vein, grab of rhyolite dyke	<5	2.4				

22393*	No. 4 vein, grab sample across vein	970	616				
22394*	No. 4 vein, grab of quartz vein, arsenopyrite	810	975				
22395*	No. 7 vein, grab of scorodite stained vein material, arsenopyrite	766	120.9				
22396*	No. 7 vein zone, grab of rusty grey quartz vein in muscovite schist	299	48.1				
22398*	No. 2 vein, grab sample from trench beside road, quartz breccia, minor arsenopyrite and galena	514	613				
22399*	No. 2 vein zone, grab of green wall rock, limonitic, vuggy quartz veining	1560	17.3				
22400*	No. 2 vein zone, same material 30 m southwest of previous sample	1730	27.8				

(*) Samples taken and described by Morley Barker, Pete Risby and Larry Brault

APPENDIX D

GEOLOGIST'S CERTIFICATE

STATEMENT OF COSTS-MOS and MAG CLAIMS

Work Period: July 3-Sept. 30, 1999

Personnel:	M. Barker, prospector, 20 days		$5,000.00
	P. Risby, prospector, 20 days		5,000.00
	L. Brault, sampler, 15 days		3,000.00
	J. Dubois, sampler, 3 days		900.00
	S. Fluerant, sampler, 3 days		900.00
		Total	14,200.00
Room and Board: Eldorado Hotel			5,850.00
Transportation: Truck and gas			3,500.00
	Helicopter, Trans North		6,508.09
	Fireweed		6,846.24
Sample Analysis: NAL, 300 soil			6,152.23
	120 rock		4,795.27
Equity Engineering: Report and field work			14,000.00
Homestake, property visit			3,500.00
G. Davidson, Consulting Geologist, property visit and rock sampling, Aug. 8, 1998; and preparation of a Preliminary Report on the Mos Property			2,000.00
		Total Costs	$67,351.83

GEOLOGIST'S CERTIFICATE

I, Stewart Harris, of 20771 44 Avenue, Langley, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based in part on property work I personally completed from September 7 to September 11, 1998, government publications and assessment reports filed with the Yukon.

5. THAT I have no interest, direct or indirect, in the shares of 17363 Yukon Inc.

DATED at Vancouver, British Columbia, this 21st day of June, ~~1998~~ 1999.

S. Harris

Stewart Harris, P.Geo.

Mosquito Creek

Boucher

ROAD

MOS 200-209

MOS 82-141, 130-152, 146-155-195

MOS 200-205

MOS 1-27, 130-141, 146-195

MOS YC07518 YC07519 YC07528 YC07529 YC07538 YC07539

MOS YC07512 YC07513 YC07522 YC07523 YC07532 YC07533

MOS YC07514 YC07515 YC07524 YC07525 YC07534 YC07535

MOS YC07520 YC07521 YC07530 YC07531 YC07540 YC07541

MUG YC07351 YC07353 YC07355 YC07357 YC07352 YC07354 YC07356 YC07358

63°55' N.

140° 40' W.

A. S. HARRIS BRITISH COLUMBIA CANADA LAND SURVEYOR

17363 YUKON INC.

MOS & MAG CLAIMS

CLAIM MAP

094095 DWG (1)

EQUITY	Date NOV. 1998	Scale 1:31,680
	U.T.M. Zone 7 (NAD 27)	Mining Dist. DAWSON
	N.T.S. 115 N/15	State/Prov. YUKON

Figure 2a

514 000 m N

7 091 000 m N

7 085 000 m N

140° 40' W

63°55' N.

Butter Gulch

MAG 1-14 CLAIMS

B/L (1987)

B/L 'B' (1969)

B/L (1987)

BL 'A' (1969)

4032+

4000

3700

3300

91

90

89

88

87

86

85

84

EXPLANATION

- CONNAUGHT MINES LTD. CLAIM BOUNDARY (1969).
- CROESUS RESOURCES INC. CLAIM BOUNDARY (1987).
- RED FOX MINERALS LTD. OPTION. CLAIM BOUNDARY (1987).
- KELAN RESOURCES INC. OPTION. CLAIM BOUNDARY (1987).
- Cu ≥100 ppm in soils (1969).
- Mo ≥10 ppm in soils (1969).
- Sb ≥4.1 ppm in soils (1987).
- Au ≥10 ppb in soils (1987).

METRES 0 200 400 600 800 1000

DWG (7)

D94 025

17363 YUKON INC.

MAG CLAIMS
GEOCHEMICAL COMPILATION
Cu, Mo, Sb & Au
EAST SHEET

EQUITY	Date NOV. 1998	Scale 1:10,000	FIGURE 9
	U.T.M. Zone 7 (NAD 27)	Mining District DAWSON	
	N.T.S. 115 N / 15	State/Province YUKON	

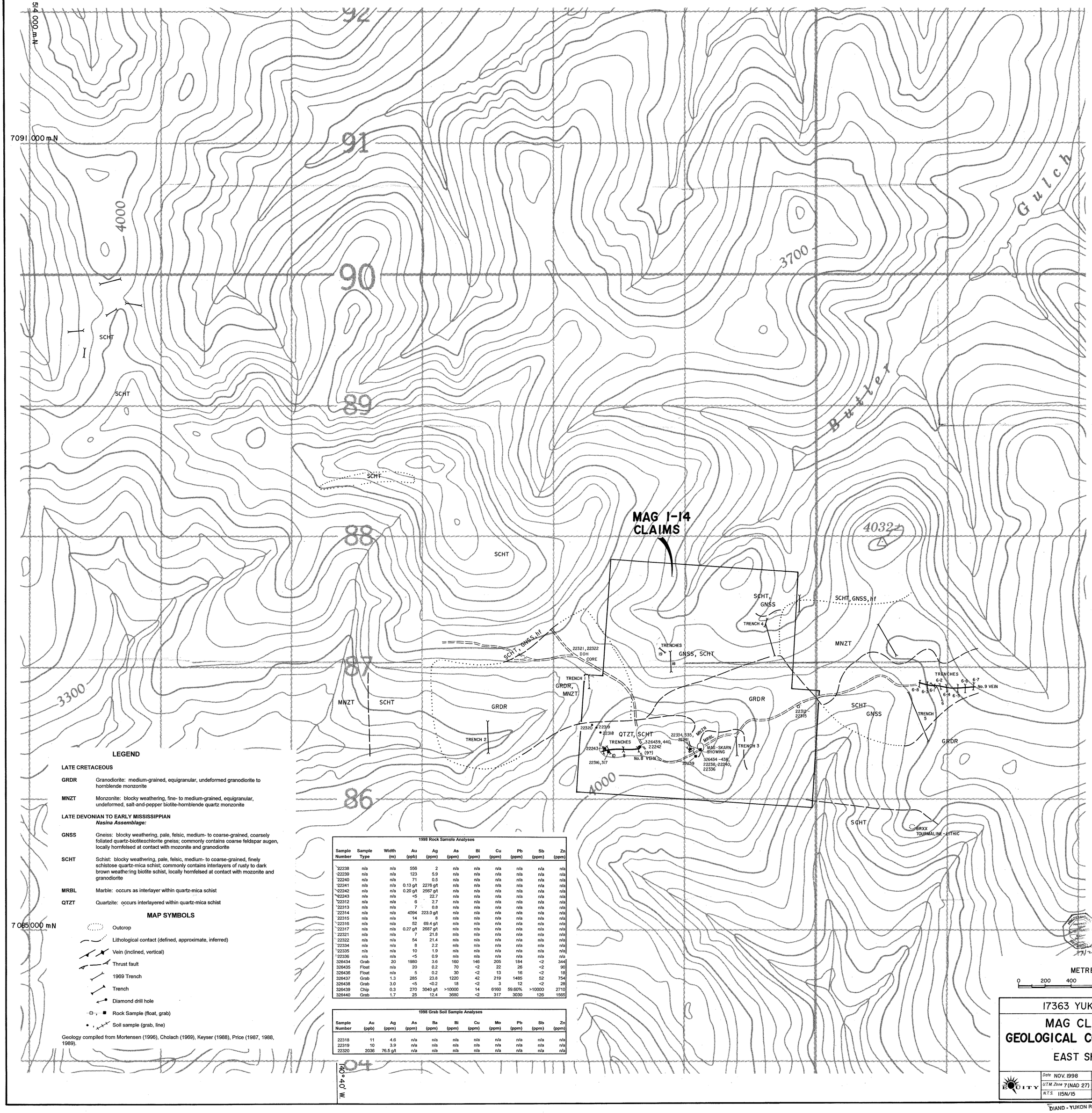
514 000 m N

7091 000 m N

7 085 000 mN

63° 55' N.

140° 04' W.



LEGEND

LATE CRETACEOUS

GRDR Granodiorite: medium-grained, equigranular, undeformed granodiorite to hornblende monzonite

MNZT Monzonite: blocky weathering, fine- to medium-grained, equigranular, undeformed, salt-and-pepper biotite-hornblende quartz monzonite

LATE DEVONIAN TO EARLY MISSISSIPPIAN
Nasina Assemblage:

GNSS Gneiss: blocky weathering, pale, felsic, medium- to coarse-grained, coarsely foliated quartz-biotite±chlorite gneiss; commonly contains coarse feldspar augen, locally hornfelsed at contact with mozonite and granodiorite

SCHT Schist: blocky weathering, pale, felsic, medium- to coarse-grained, finely schistose quartz-mica schist; commonly contains interlayers of rusty to dark brown weathering biotite schist, locally hornfelsed at contact with mozonite and granodiorite

MRBL Marble: occurs as interlayer within quartz-mica schist

QTZT Quartzite: occurs interlayered within quartz-mica schist

MAP SYMBOLS

- Outcrop
- Lithological contact (defined, approximate, inferred)
- Vein (inclined, vertical)
- Thrust fault
- 1969 Trench
- Trench
- Diamond drill hole
- Rock Sample (float, grab)
- Soil sample (grab, line)

Geology compiled from Mortensen (1996), Cholach (1969), Keyser (1988), Price (1987, 1988, 1989).

1998 Rock Sample Analyses

Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
22238	n/a	n/a	556	2	n/a	n/a	n/a	n/a	n/a	n/a
22239	n/a	n/a	123	5.9	n/a	n/a	n/a	n/a	n/a	n/a
22240	n/a	n/a	71	0.5	n/a	n/a	n/a	n/a	n/a	n/a
22241	n/a	n/a	0.13 g/t	2276 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22242	n/a	n/a	0.20 g/t	2567 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22243	n/a	n/a	<5	22.7	n/a	n/a	n/a	n/a	n/a	n/a
22312	n/a	n/a	6	2.7	n/a	n/a	n/a	n/a	n/a	n/a
22313	n/a	n/a	7	0.8	n/a	n/a	n/a	n/a	n/a	n/a
22314	n/a	n/a	4094	223.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22315	n/a	n/a	14	8	n/a	n/a	n/a	n/a	n/a	n/a
22316	n/a	n/a	52	69.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22317	n/a	n/a	0.27 g/t	2687 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22321	n/a	n/a	7	21.8	n/a	n/a	n/a	n/a	n/a	n/a
22322	n/a	n/a	54	21.4	n/a	n/a	n/a	n/a	n/a	n/a
22334	n/a	n/a	8	2.2	n/a	n/a	n/a	n/a	n/a	n/a
22335	n/a	n/a	10	1.9	n/a	n/a	n/a	n/a	n/a	n/a
22336	n/a	n/a	<5	0.9	n/a	n/a	n/a	n/a	n/a	n/a
326434	Grab	20	1980	3.6	160	146	205	184	<2	344
326435	Float	n/a	20	0.2	70	<2	22	26	<2	90
326436	Float	n/a	5	0.2	30	<2	13	16	<2	18
326437	Grab	1.3	285	23.8	1220	42	219	1485	52	754
326438	Grab	3.0	<5	<0.2	18	<2	3	12	<2	28
326439	Chip	0.3	270	3040 g/t	>10000	14	6160	59.60%	>10000	2710
326440	Grab	1.7	25	12.4	3680	<2	317	3030	126	1565

1998 Grab Soil Sample Analyses

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Bi (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
22318	11	4.6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22319	10	3.9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22320	2036	76.5 g/t	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

METRES 094 025.

0 200 400 600 800 1000

17363 YUKON INC.

MAG CLAIMS
GEOLOGICAL COMPILATION

EAST SHEET pwg(3)

EQUITY	Date NOV. 1998	Scale 1:10,000	FIGURE 5
	U.T.M. Zone 7 (NAD 27)	Mining District DAWSON	
	N.T.S. 115N/15	State/Province YUKON	

140° 45' W.

514 000 mE

7091 000 mN

Mile

Mosquito Creek

92

91

90

89

88

87

86

85

84

3100

2800

3600

4500

3300

4352E 3700

B/L (1969)

63° 55' N.

B/L A'

B/L B'

B/L C'

B/L D'

B/L E'

7 085 000 mN

094 028

EXPLANATION

- CONNAUGHT MINES LTD. CLAIM BOUNDARY (1969).
- CROESUS RESOURCES INC. CLAIM BOUNDARY (1987)
- RED FOX MINERALS LTD. OPTION. CLAIM BOUNDARY (1987).
- KELAN RESOURCES INC. OPTION. CLAIM BOUNDARY (1987)
- Pb ≥ 100 ppm in soils (1969, 1987)
- As ≥ 114 ppm in soils (1987)

METRES
0 200 400 600 800 1000

17363 YUKON INC.

MOS & MAG CLAIMS
GEOCHEMICAL COMPILATION
Pb & As
WEST SHEET DWG (4)

EQUITY	Date NOV. 1998	Scale 1:10,000	FIGURE 6
	U.T.M. Zone 7 (NAD27)	Mining District DAWSON	
	N.T.S. 115N/15	State/Province YUKON	

514 000 mN

7091 000 mN

7085 000 mN

140°40' W.

63°55'N

B/L (1987)

B/L 'B' (1969)

B/L (1987)

B/L 'A' (1969)

MAG 1-14 CLAIMS

4000

3700

3300

4032±

Butler Gulch

91

90

89

88

87

86

85

84

EXPLANATION

- CONNAUGHT MINES LTD. CLAIM BOUNDARY (1969).
- CROESUS RESOURCES INC. CLAIM BOUNDARY (1987).
- RED FOX MINERALS LTD. OPTION. CLAIM BOUNDARY (1987).
- KELAN RESOURCES INC. OPTION. CLAIM BOUNDARY (1987).
- Pb ≥100 ppm in soils (1969, 1987)
- As ≥114 ppm in soils (1987)

METRES

0 200 400 600 800 1000

17363 YUKON INC.

MAG CLAIMS
GEOCHEMICAL COMPILATION
Pb & As
EAST SHEET

EQUITY

Date NOV. 1998	Scale 1:10,000	FIGURE
U.T.M. Zone 7 (NAD 27)	Mining District DAWSON	7
N.T.S. 115 N/15	State/Province YUKON	

Mile

Mosquito Creek

92

91

90

89

88

87

86

85

84

3100

3300

3600

4500

4352

3700

2800

B/L A

B/L B

B/L C

B/L D

B/L E

B/L (1969)

MOS CLAIMS

MOS CLAIM BOUNDARY

514 000 mE

7091 000 mN

140° 45' W.

63° 55' N.

N

SCALE

METRES

0 200 400 600 800 1000

094 025

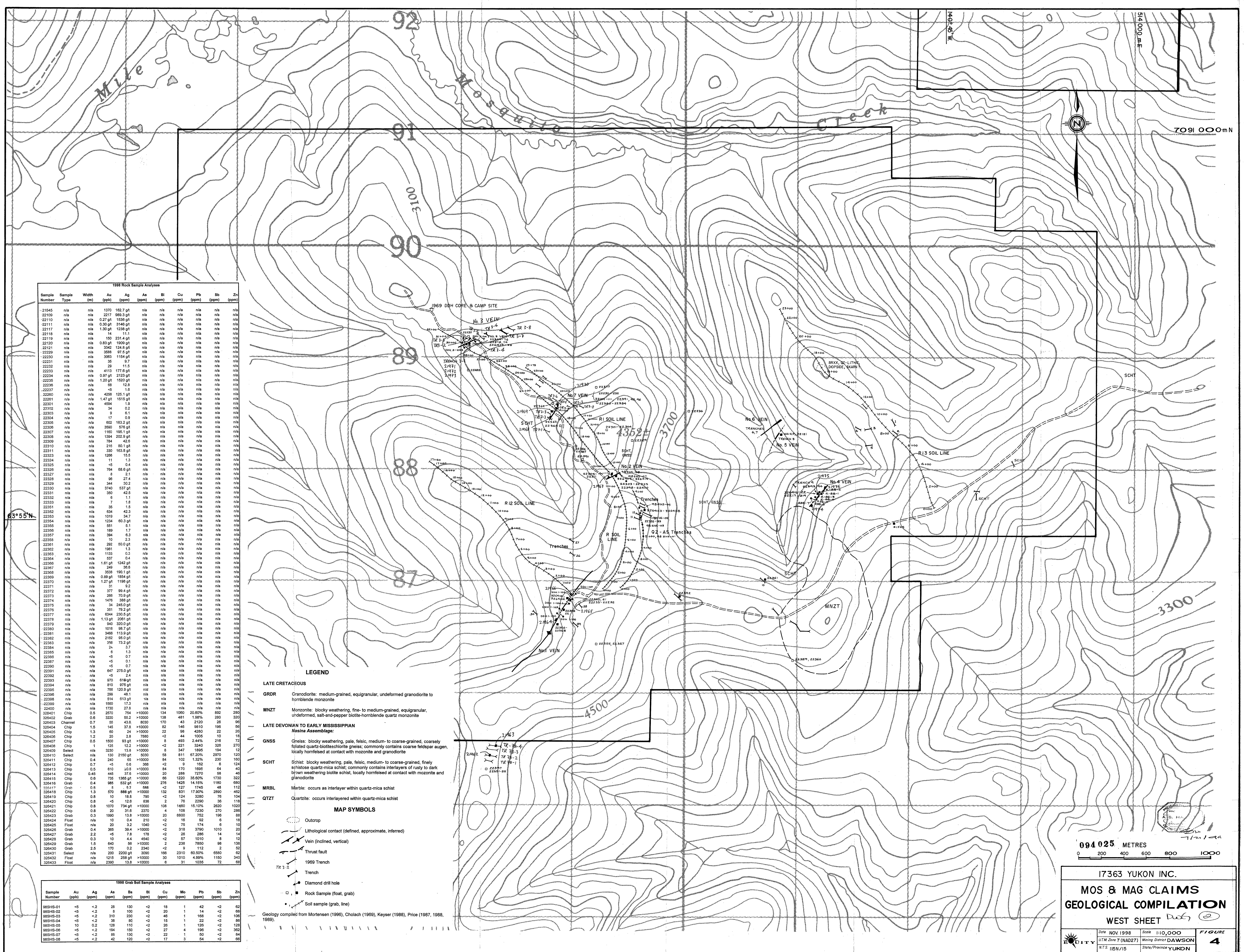
EXPLANATION

- CONNAUGHT MINES LTD. CLAIM BOUNDARY (1969).
- CROESUS RESOURCES INC. CLAIM BOUNDARY (1987).
- RED FOX MINERALS LTD. OPTION. CLAIM BOUNDARY (1987).
- KELAN RESOURCES INC. OPTION. CLAIM BOUNDARY (1987)
- Cu ≥100 ppm in soils (1969).
- Mo ≥10 ppm in soils (1969)
- Sb ≥4.1 ppm in soils (1987)
- Au ≥10 ppb in soils (1987)

17363 YUKON INC. Duty 6

MOS & MAG CLAIMS GEOCHEMICAL COMPILATION Cu, Mo, Sb & Au WEST SHEET

EQUITY	Date NOV. 1998	Scale 1:10,000	FIGURE 8
	U.T.M. Zone 7 (NAD 27)	Mining District DAWSON	
	N.T.S. 115 N/15	State/Province YUKON	



1998 Rock Sample Analyses										
Sample Number	Sample Type	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
21545	n/a	n/a	1370	162.7 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22109	n/a	n/a	2217	989.3 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22110	n/a	n/a	0.27 g/t	1536 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22111	n/a	n/a	0.30 g/t	3146 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22117	n/a	n/a	1.30 g/t	1238 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22118	n/a	n/a	14	11.1	n/a	n/a	n/a	n/a	n/a	n/a
22119	n/a	n/a	150	231.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22120	n/a	n/a	0.83 g/t	1909 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22121	n/a	n/a	3342	124.8 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22229	n/a	n/a	3588	97.5 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22230	n/a	n/a	3063	1154 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22231	n/a	n/a	35	9.7	n/a	n/a	n/a	n/a	n/a	n/a
22232	n/a	n/a	29	11.5	n/a	n/a	n/a	n/a	n/a	n/a
22233	n/a	n/a	4113	177.6 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22234	n/a	n/a	0.97 g/t	2123 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22235	n/a	n/a	1.20 g/t	1520 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22236	n/a	n/a	68	12.8	n/a	n/a	n/a	n/a	n/a	n/a
22237	n/a	n/a	<5	1.6	n/a	n/a	n/a	n/a	n/a	n/a
22260	n/a	n/a	4256	125.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22261	n/a	n/a	1.47 g/t	1515 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22301	n/a	n/a	4594	1.9	n/a	n/a	n/a	n/a	n/a	n/a
22302	n/a	n/a	34	0.2	n/a	n/a	n/a	n/a	n/a	n/a
22303	n/a	n/a	9	6.1	n/a	n/a	n/a	n/a	n/a	n/a
22304	n/a	n/a	17	0.9	n/a	n/a	n/a	n/a	n/a	n/a
22305	n/a	n/a	602	163.2 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22306	n/a	n/a	3590	576 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22307	n/a	n/a	1160	195.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22308	n/a	n/a	1394	202.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22309	n/a	n/a	784	42.6	n/a	n/a	n/a	n/a	n/a	n/a
22310	n/a	n/a	216	80.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22311	n/a	n/a	330	163.8 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22323	n/a	n/a	1266	15.5	n/a	n/a	n/a	n/a	n/a	n/a
22324	n/a	n/a	11	1.3	n/a	n/a	n/a	n/a	n/a	n/a
22325	n/a	n/a	<5	0.4	n/a	n/a	n/a	n/a	n/a	n/a
22326	n/a	n/a	764	68.6 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22327	n/a	n/a	8	2.1	n/a	n/a	n/a	n/a	n/a	n/a
22328	n/a	n/a	96	27.4	n/a	n/a	n/a	n/a	n/a	n/a
22329	n/a	n/a	344	30.2	n/a	n/a	n/a	n/a	n/a	n/a
22330	n/a	n/a	3740	537 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22331	n/a	n/a	350	42.5	n/a	n/a	n/a	n/a	n/a	n/a
22332	n/a	n/a	6	1.1	n/a	n/a	n/a	n/a	n/a	n/a
22333	n/a	n/a	7	1.8	n/a	n/a	n/a	n/a	n/a	n/a
22351	n/a	n/a	35	1.5	n/a	n/a	n/a	n/a	n/a	n/a
22352	n/a	n/a	634	42.3	n/a	n/a	n/a	n/a	n/a	n/a
22353	n/a	n/a	1019	34.7	n/a	n/a	n/a	n/a	n/a	n/a
22354	n/a	n/a	1234	60.3 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22355	n/a	n/a	551	5.1	n/a	n/a	n/a	n/a	n/a	n/a
22356	n/a	n/a	189	1.7	n/a	n/a	n/a	n/a	n/a	n/a
22357	n/a	n/a	394	6.3	n/a	n/a	n/a	n/a	n/a	n/a
22358	n/a	n/a	10	2.3	n/a	n/a	n/a	n/a	n/a	n/a
22361	n/a	n/a	292	50.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22362	n/a	n/a	1961	1.3	n/a	n/a	n/a	n/a	n/a	n/a
22363	n/a	n/a	1133	0.3	n/a	n/a	n/a	n/a	n/a	n/a
22364	n/a	n/a	537	0.4	n/a	n/a	n/a	n/a	n/a	n/a
22366	n/a	n/a	1.61 g/t	1242 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22367	n/a	n/a	249	36.6	n/a	n/a	n/a	n/a	n/a	n/a
22368	n/a	n/a	3538	190.1 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22369	n/a	n/a	0.89 g/t	1854 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22370	n/a	n/a	1.27 g/t	1198 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22371	n/a	n/a	31	9.2	n/a	n/a	n/a	n/a	n/a	n/a
22372	n/a	n/a	377	99.4 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22373	n/a	n/a	266	70.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22374	n/a	n/a	1476	388 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22375	n/a	n/a	34	245.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22376	n/a	n/a	351	79.2 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22377	n/a	n/a	6344	230.5 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22378	n/a	n/a	1.13 g/t	2061 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22379	n/a	n/a	940	320.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22380	n/a	n/a	1016	98.7 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22381	n/a	n/a	3466	113.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22382	n/a	n/a	2162	95.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22383	n/a	n/a	356	73.2 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22384	n/a	n/a	24	3.7	n/a	n/a	n/a	n/a	n/a	n/a
22385	n/a	n/a	6	1.3	n/a	n/a	n/a	n/a	n/a	n/a
22386	n/a	n/a	<5	0.7	n/a	n/a	n/a	n/a	n/a	n/a
22387	n/a	n/a	<5	0.1	n/a	n/a	n/a	n/a	n/a	n/a
22390	n/a	n/a	<5	0.7	n/a	n/a	n/a	n/a	n/a	n/a
22391	n/a	n/a	647	275.0 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22392	n/a	n/a	<5	2.4	n/a	n/a	n/a	n/a	n/a	n/a
22393	n/a	n/a	970	616 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22394	n/a	n/a	810	975 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22395	n/a	n/a	766	120.9 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22396	n/a	n/a	299	48.1	n/a	n/a	n/a	n/a	n/a	n/a
22398	n/a	n/a	514	613 g/t	n/a	n/a	n/a	n/a	n/a	n/a
22399	n/a	n/a	1560	17.3	n/a	n/a	n/a	n/a	n/a	n/a
22400	n/a	n/a	1730	27.8	n/a	n/a	n/a	n/a	n/a	n/a
326401	Chip	0.5	2570	754	>10000	134	1060	20.60%	892	280
326402	Grab	0.6	3220	55.2	>10000	138	481	1.98%	280	320
326403	Channel	0.7	55	43.6	8030	170	43	2120	26	96
326404	Chip	1.5	145	37.8	>10000	82	146	9810	196	56
326405	Chip	1.3	60	24	>10000	22	98	4280	22	26
326406	Chip	1.2	20	2.8	7580	<2	44	1005	10	18
326407	Chip	0.5	1500	93 g/t	>10000	8	493	2.44%	216	72
326408	Chip	1	125	12.2	>10000	<2	221	3240	326	270
326409	Select	n/a	3230	13.8	>10000	8	347	1895	194	12
326410	Select	n/a	130	2150 g/t	5030	58	811	67.20%	2970	120
326411	Chip	0.4	240	65	>10000	84	102	1.32%	230	160
326412	Chip	0.7	<5	0.6	366	<2	9	162	6	124
326413	Chip	0.5	610	20.8	>10000	84	170	1695	64	40
326414	Chip	0.45	445	37.6	>10000	20	288	7270	58	46
326415	Chip	0.6	735	1365 g/t	>10000	66	1220	35.60%	1730	322
326416	Grab	0.4	985	532 g/t	>10000	276	1425	14.15%	1180	680
326417	Grab	0.5	5	5.2	588	<2	127	1745	48	112
326418	Chip	1.3	570	888 g/t	>10000	132	831	17.90%	2890	462
326419	Chip	0.8	10	18.8	790	<2	124	3280	76	104
326420	Chip	0.8	<5	12.6	836	2	76	2290	36	118
326421	Chip	0.8	1070	734 g/t	>10000	108	1460	15.10%	2620	1020
326422	Chip	0.8	20	31.6	2370	4	108	7230	270	286
326423	Grab	0.3	1990	13.8	>10000	20	8800	752	196	88
326424	Float	n/a	10	0.4	210	<2	16	92	6	18
326425	Float	n/a	20	3.2	1040	<2	75	174	6	10
326426	Grab	0.4	365	39.4	>10000	<2	318	3790	1010	20
326427	Grab	2.2	<5	7.8	178	<2	26	286	14	14
326428	Grab	0.3	10	4.4	4540	<2	57	1010	8	12
326429	Grab	1.5	640	56	>10000	2	238	7850	98	138
326430	Grab	2.5	170	0.2	2340	<2	9	112	2	52
326431	Select	n/a	200	2200 g/t	3090	166	2310	60.50%	6580	62
326432	Float	n/a	1215	258 g/t	>10000	30	1010	4.99%	1150	340
326433	Float	n/a	2390	13.8	>10000	6	31	1035	72	68

1998 Grab Soil Sample Analyses										
Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Bi (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
98SHS-01	<5	<.2	28	130	<2	18	1	42	<2	62
98SHS-02	<5	<.2	8	100	<2	20	1	14	<2	68
98SHS-03	<5	<.2	310	230	<2	46	1	168	<2	106
98SHS-04	<5	<.2	38	80	<2	15	1	22	<2	86
98SHS-05	10	0.2	128	110	<2	26	1	126	<2	128
98SHS-06	<5	<.2	194	150	<2	27	4	196	<2	362
98SHS-07	<5	<.2	88	130	<2	22	1	50	<2	84
98SHS-08	<5	<.2	42	120	<2	17	3	54	<2	66

LEGEND

LATE CRETACEOUS

GRDR Granodiorite: medium-grained, equigranular, undeformed granodiorite to hornblende monzonite

MNZT Monzonite: blocky weathering, fine- to medium-grained, equigranular, undeformed, salt-and-pepper biotite-hornblende quartz monzonite

LATE DEVONIAN TO EARLY MISSISSIPPIAN
Nasina Assemblage:

GNSS Gneiss: blocky weathering, pale, felsic, medium- to coarse-grained, coarsely foliated quartz-biotite±chlorite gneiss; commonly contains coarse feldspar augen, locally hornfelsed at contact with mozonite and granodiorite

SCHT Schist: blocky weathering, pale, felsic, medium- to coarse-grained, finely schistose quartz-mica schist; commonly contains interlayers of rusty to dark brown weathering biotite schist, locally hornfelsed at contact with mozonite and granodiorite

MRBL Marble: occurs as interlayer within quartz-mica schist

QTZT Quartzite: occurs interlayered within quartz-mica schist

MAP SYMBOLS

- Outcrop
- Lithological contact (defined, approximate, inferred)
- Vein (inclined, vertical)
- Thrust fault
- TR 3-2 1969 Trench
- Trench
- Diamond drill hole
- Rock Sample (float, grab)
- Soil sample (grab, line)

Geology compiled from Mortensen (1996), Cholach (1969), Keyser (1988), Price (1987, 1988, 1989).

094025 METRES

0 200 400 600 800 1000

17363 YUKON INC.

MOS & MAG CLAIMS GEOLOGICAL COMPILATION

WEST SHEET DWG (2)

EQUITY	Date NOV. 1998	Scale 1:10,000	FIGURE 4
	U.T.M. Zone 7 (NAD27)	Mining District DAWSON	
	N.T.S. 115N/15	State/Province YUKON	