MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.:	092658
	PROSPECTUS		MINING DISTRICT:	WATSON LAKE
105 F 10	CONFIDENTIAL	~~X~~	TYPE OF WORK:	GEOLOGICAL, GEOCHEMICAL,
	OPEN FILE	X		TRENCHING

REPORT FILED UNDER: Yukon Minerals Corporation

DATE PERFORMED: June to October, 1988 DATE FILED: January 18, 1989

LOCATION: LAT.: 60°10'N AREA: Seagull Creek

LONG.: 132°50'W VALUE $: 71,050.00

CLAIM NAME & NO.: MPR 1-152 YB00020-105, 711-776; SHEEP 1-48 YB14681-728

WORK DONE BY: G.E. Nicholson

WORK DONE FOR: Yukon Minerals Corporation

DATE TO GOOD STANDING		REMARKS:
		#135 MPR Prospecting discovered stratiform Pb-Zn-Ag in phyllites (GEO zone), and Ag-Pb-Zn-Cu carbonate veins (Valerie, Jerry and M zones). The property was mapped and stream sediment samples at 1:10 000 scale. Showings and structures were trenched, mapped and sampled. Anomalous Au-Ag-As, occurs in strongly sheared phyllite (JT zone).

ASSESSMENT REPORT

1988 EXPLORATION PROGRAMME

MPR PROJECT

Pass Peak, Yukon Territory

NTS 105F/10

Latitude 60° 10' North; Longitude 132° 50' West

Watson Lake Mining District

For

YUKON MINERALS CORPORATION

#522 - 625 Howe Street
Vancouver, B.C.
V6C 2T6



By

George E. Nicholson, BSc.

December, 1988

092658

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 $ 71,050.00.

D L Emond

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

SUMMARY

The Pass Peak property comprising the MPR 1 - 152 claims and the Sheep 1 - 48 claims is situated 60 km south southwest of Ross River and 11 km east of the South Canol Road in the Pelly Mountain range of the south central Yukon. The property lies at the southern end of the Seagull Uplift, a domed assemblage of Lower Cambrian to Mississippian clastic, carbonated volcanic rocks that were deformed during Mesozoic arc-continent collision and by mid-Cretaceous intrusion (Abbott, 1986). The claims are principally underlain by fault bounded blocks of deformed and recessive weathering siltstone, shale, phyllite, and resistant carbonate sequences - primarily dolomites. The Pass Peak thrust fault delineates the southern margin of the Seagull Uplift and passes through the centre of the property.

Mineralization in the district consists of arsenopyrite-quartz veins and silver-lead-zinc bearing galena-sphalerite veins and breccia zones. The sulphide minerals occur within or proximal to normal faults and shear zones primarily in Silurno-Devonian dolomites (Davidson, 1988). Accessory minerals include chalcopyrite, bornite, tetrahedrite, pyrrhotite and freibergite while gangue minerals consists of quartz, siderite, limonite and scorodite.

The Groundhog Creek-Seagull Lakes district has been prospected sporadically in the past until more concerted efforts were undertaken in the 1950's and 1960's. Canol Mines

Ltd. in the late 1960's staked a large claim block and completed extensive trenching and diamond drilling on several galena bearing fault zones that are now covered by the HV claims north of the MPR. Until 1987, only limited prospecting had been done in the area around Pass Peak. Following the staking of the MPR ground in August of 1987 a brief prospecting programme discovered nine mineral occurrences and float trains. Yukon Minerals Corporation optioned the ground and managed the 1988 exploration programme.

Nine main zones of interest were investigated. Each zone has its own merits and the mineralization and geology vary somewhat. The zones requiring immediate follow-up are the HO, JERRY, ROB, and JT. The HO zone consists of at least 4 narrow (less than 10 cm wide each) galena veins within a dolostone which locally displays brecciation and further galena-sphalerite mineralization. This has been exposed in a trench 45m x 5m. Values run as high as 87.7 oz./ton Ag, 85.0% Pb, and 14.25% Zn and the average of all samples 21.5 oz./ton Ag, 21.1% Pb, and 5.2% Zn. Diamond drilling is required on the HO zone. The Jerry zone is a large (250m x 100m) area of alteration, multiple faults and brecciation. Hosted in carbonates there is also a cap of shale to the north and east and an intruding unit of brecciated and veined quartz carbonate. With gold values up to 172 ppb, mercury values up to 580 ppm, and arsenic values to >2000 ppm make this an exciting prospect to look for gold. The Rob zone consists of

4 narrow veins (less than 30 cm) over 100 m with values to 151.0 oz./ton Ag and 85% Pb. Further trenching is required. The J.T. zone is a 1.0 m wide quartz-arsenopyrite veined shear in phyllites in the southeast of the property. With values to 0.074 oz./ton Au and 12.46 oz./ton Ag, the target requires further trenching and diamond drilling.

Many other galena and tetrahedrite occurrences were sampled. Most require follow-up as permafrost prevented proper exposure of the mineralization. The property has a wide variety of mineralization and mineralized occurrences that have not been adequately explored. A Phase I work programme of continued surface exploration and trenching at a proposed budget of $40,000.00 is recommended to commence in June, 1989. Following Phase I, a Phase II programme is proposed to commence immediately at a cost of $160,000.00. This will include further surface exploration, trenching and diamond drilling of some 1500 feet.

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INTRODUCTION

Yukon Minerals Corporation holds an option to acquire 100% interest in a claim group comprising 152 Quartz claims centred at the headwaters of Upper Sheep Creek, south-southwest of Ross River in the Yukon Territory (Figure 1).

Grassroots prospecting has been carried out on the property intermittently in the past and one of the showings on the claim group is reported as a mineral occurrence on the respective Geologic Survey of Canada map. The ground is immediately south and ajoins the Yukon Minerals Corp./Perrex Resources Inc. Ketza joint venture where advanced exploration including diamond drilling and underground drifting has helped define a potential large tonnage open pit silver-lead zinc deposit.

The purpose of the 1988 exploration programme was to define the economic mineral potential existing on the MPR claim group. Silver-lead-zinc mineralization occurs at several locations in a carbonate assemblage of rocks. As well, anomalous gold and associated trace elements occur in dolomites and phyllites on the property.

Some $200,000 were expended on the property and a crew of up to 6 men mapped and prospected the area. A D-7G Caterpillar tractor and a John Deere 450 backhoe were employed to construct roads and excavate trenches. A camp was established on the property.

This report is intended to summarize the results of this programme and gives recommendations for additional work on the property.



FIGURE 1
LOCATION MAP

SCALE: 1"=112.5 MILES APPROX.

○ PASS PEAK property

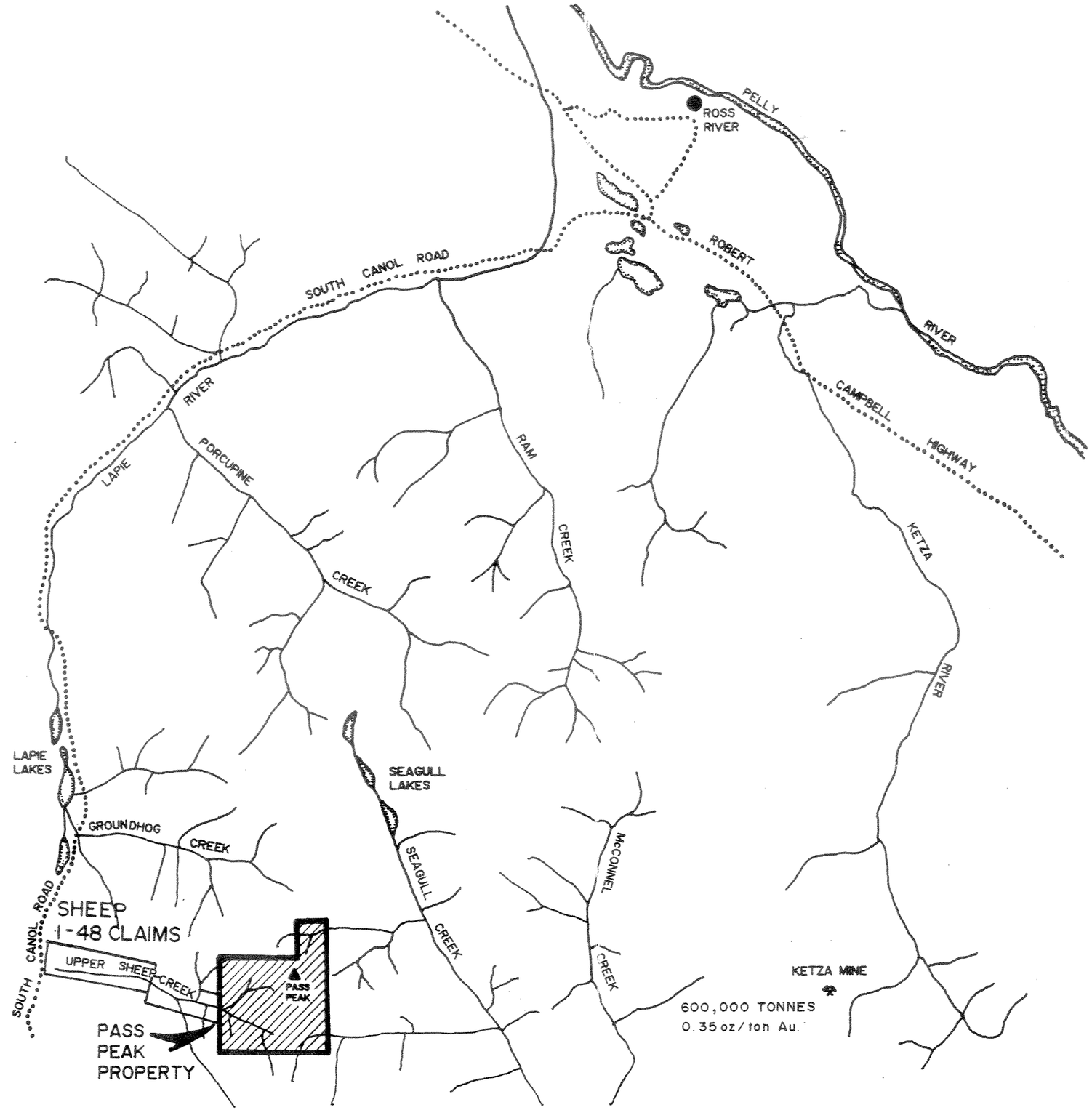
Ketza River Property

LOCATION AND ACCESS

The Pass Peak property is located by road approximately 60 kilometres south-southwest of Ross River along the South Canol Road and then a further 11 kilometres along a good 2-wheel drive access road.

The MPR claims are situated surrounding Pass Peak and south across the headwaters of Upper Sheep Creek. The Sheep claims extend from the South Canol Road east along Upper Sheep Creek to the western edge of the MPR claims (Figure 2). More specifically the claims occur at latitude 60° 34' north and longitude 132° 50' west.

Access to the property is possible either by travelling 60 kilometres south along the South Canol Road from Ross River to the property turn-off or by travelling north from Johnson's Crossing again along the South Canol Road for some 200 kilometres to the property turn-off. Good 2-wheel drive access from the South Canol Road is possible for 11 kilometres alongside Upper Sheep Creek to the site of the 1988 exploration camp. From there, 4-wheel drive accessible roads enable one to get within walking distance of most sections of the property. These roads also connect up with roads from the Yukon Minerals Corp./Perrex Resources Inc. joint venture Ketza Project.



YUKON MINERALS CORP.

MPR PROJECT
LOCATION MAP
PASS PEAK, YUKON TERRITORY

N.T.S.:	TECH:	DATE:
105 F/10,11	G.N.	DEC, 1988
SCALE:	DRAFTING:	FIGURE:
1 : 250,000	*GeoGraphics*	2

PHYSIOGRAPHY, VEGETATION AND CLIMATE

The property lies in the St. Cyr Range of the Pelly Mountains dominated by rugged, northeasterly trending ridges separated by U-shaped valleys. Pass Peak, at 2162 m (7094') is the highest point in the district, while Seagull Creek at 1180 m (3900') is the lowest elevation (after Davidson, 1988). Most of the showings on the MPR claims are between 6200' and 6800' elevation. Ridge tops in the area are generally rounded with talus and felsenmeer cover but valley walls are often steep with considerable outcrop.

Mosses, grasses and wild flowers cover alpine areas while dense buckbrush and sparse stands of spruce exist on lower slopes. Solufluction is evident on grassy slopes and permafrost underlies most of the area.

The area is subject to a subarctic climate with summer temperatures reaching 15° C and winter temperatures averaging -20° C. The annual snowpack averages 1.5 m.

CLAIM INFORMATION

The Pass Peak property consists of 200 claims (Figures 3a and 3b) and collectively they represent the MPR project. The MPR 1-86 claims were recorded with the district mining recorder in Watson Lake on March 30, 1987. The MPR 87-152 claims were added to the original claim block and recorded on August 3, 1987. The MPR claims are owned by T. McCrory, B. Preston and T. Rich and are optioned by Yukon Minerals Corp. The Sheep 1-48 claims were recorded during the 1988 exploration program and were recorded with the mining recorder in Watson Lake on August 2, 1988. A 100% interest in the claims was subsequently transferred to Yukon Minerals Corporation.

The pertinent claim data are as follows:

Name	Record #	Claims	Record date	Expiry date
MPR 1-86	YB00020-YB00105	86	Mar. 30/87	Sept. 30/93*
MPR 87-152	YB00 -YB00776	86	Aug. 3/87	Sept. 30/92*
SHEEP 1-48	YB14681-YB14728	48	Aug. 2/88	Sept. 30/91*

The claims are within the Watson Lake Mining District and appear on claim sheets 105F/10 and 105F/11. The author inspected numerous claim posts and claim lines and found them to be in accordance with Yukon Quartz Mining regulations.

* Sufficient assessment work has been done and application for assessment credit has been made to keep the claims in good standing until this date. When the application has been processed, the government records should be checked to verify this date. The claims were put into various groupings and assessment credit was thus applied to the grouping.

HV CLAIMS

RAM CLAIMS

BOB CLAIMS

MPR 1-152 CLAIMS

PASS PEAK

MPR

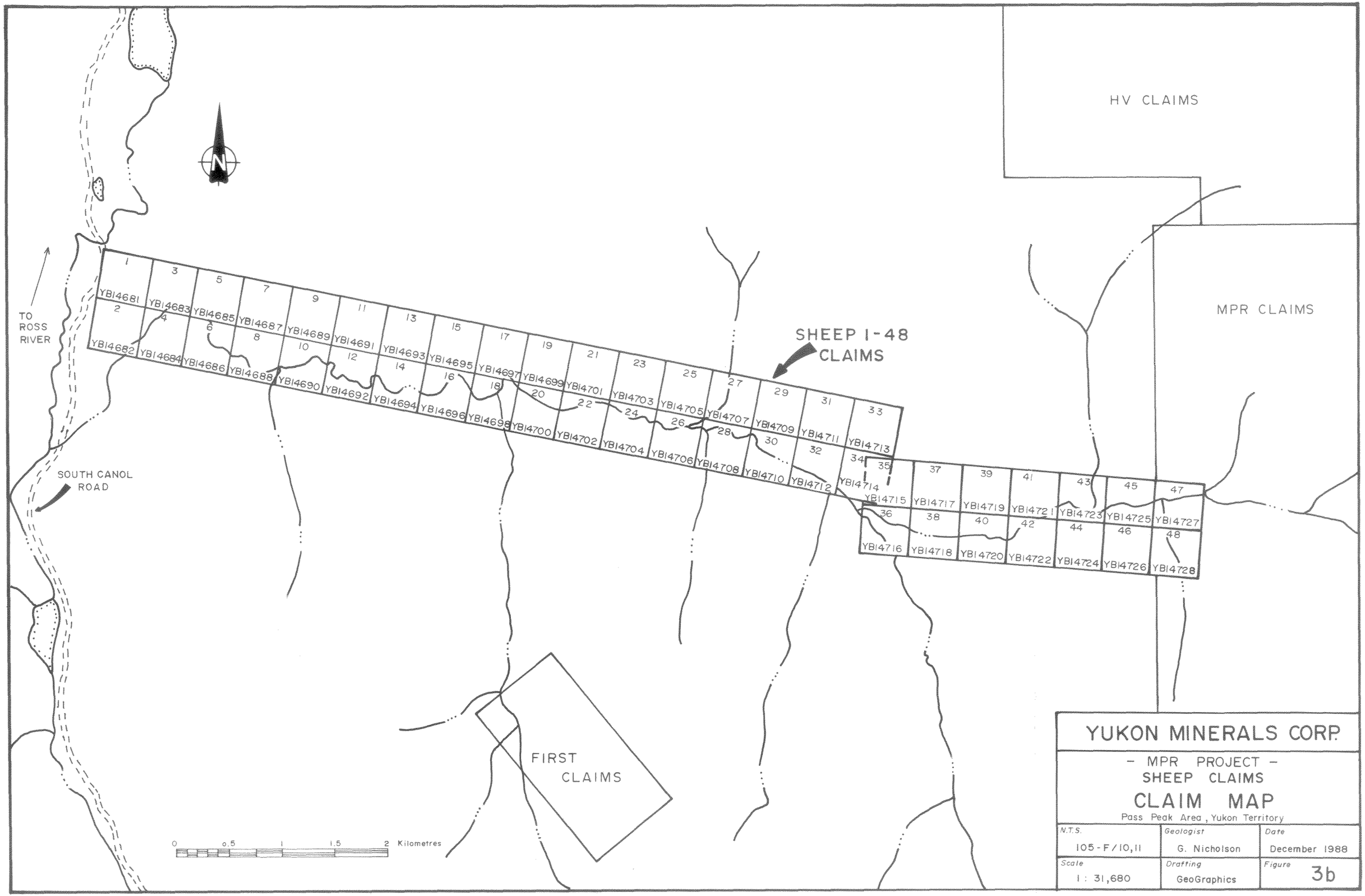
UPPER SHEEP CREEK

34 YB00053	33 YB00052	2 YB00021	1 YB00020								
36 YB00055	35 YB00054	4 YB00023	3 YB00022								
38 YB00057	37 YB00056	6 YB00025	5 YB00024								
40 YB00059	39 MPR YB00058	8 YB00027	7 YB00026								
42 YB00061	41 YB00060	10 YB00029	9 YB00028								
132 YB00756	131 YB00755	110 YB00734	109 YB00733	88 YB00712	87 YB00711	66 YB00085	65 YB00084	44 YB00063	43 YB00062	12 YB00031	11 YB00030
134 YB00758	133 MPR YB00757	112 YB00736	111 YB00735	90 YB00714	89 YB00713	68 YB00087	67 YB00086	46 YB00065	45 MPR YB00064	14 YB00033	13 YB00032
136 YB00760	135 YB00759	114 YB00738	113 YB00737	92 YB00716	91 YB00715	70 YB00089	69 YB00088	48 YB00067	47 YB00066	16 YB00035	15 YB00034
138 YB00762	137 YB00761	116 YB00740	115 YB00739	94 YB00718	93 YB00717	72 YB00091	71 YB00090	50 PASS YB00069	49 PEAK YB00068	18 YB00037	17 YB00036
140 YB00764	139 YB00763	118 YB00742	117 YB00741	96 YB00720	95 YB00719	74 YB00093	73 YB00092	52 YB00071	51 YB00070	20 YB00039	19 YB00038
142 YB00766	141 YB00765	120 YB00744	119 YB00743	98 YB00722	97 YB00721	76 YB00095	75 YB00094	54 YB00073	53 YB00072	22 YB00041	21 YB00040
144 YB00768	143 YB00767	122 YB00746	121 YB00745	100 YB00724	99 YB00723	78 YB00097	77 YB00096	56 YB00075	55 YB00074	24 YB00043	23 YB00042
146 YB00770	145 YB00769	124 YB00748	123 YB00747	102 YB00726	101 YB00725	80 YB00099	79 YB00098	58 YB00077	57 YB00076	26 YB00045	25 YB00044
148 YB00772	147 YB00771	126 YB00750	125 YB00749	104 YB00728	103 YB00727	82 YB00101	81 YB00100	60 YB00079	59 YB00078	28 YB00047	27 YB00046
150 YB00774	149 MPR YB00773	128 YB00752	127 YB00751	106 YB00730	105 YB00729	84 YB00103	83 YB00102	62 YB00081	61 MPR YB00080	30 YB00049	29 YB00048
152 YB00776	151 YB00775	130 YB00754	129 YB00753	108 YB00732	107 YB00731	86 YB00105	85 YB00104	64 YB00083	63 YB00082	32 YB00051	31 YB00050

YUKON MINERALS CORP.

MPR PROJECT
CLAIM MAP
PASS PEAK, YUKON TERRITORY

N.T.S.: 105 F/10		DATE: DEC., 1988
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YUKON MINERALS CORP.

- MPR PROJECT -
SHEEP CLAIMS
CLAIM MAP

Pass Peak Area, Yukon Territory

N.T.S.	Geologist	Date
105-F/10,11	G. Nicholson	December 1988
Scale	Drafting	Figure
1 : 31,680	GeoGraphics	3b

EXPLORATION HISTORY

The Ketza and adjacent river drainages were first explored for placer gold in the early 1900's. Some reconnaissance work was completed by the Geological Survey of Canada in the 1930's. The entire area, though, remained quite dormant until the Canol Road, built during World War II, provided better access. Prospecting in the Seagull Lakes-Groundhog Creek - Pass Peak area is documented from the mid-1950's when the British-Yukon Exploration Company conducted several seasons of prospecting. Many of the known showings in the area were found during those years with sporadic activity on the showings over the years by a variety of companies including Canol Mines Ltd. and Arrow Syndicate.

In the Ketza River area, Canamax and Pacific Trans Ocean are currently mining their gold-bearing orebody outlined originally in the 1950's. Reserves of some 600,000 tonnes grading 0.35 oz./ton gold exist in auriferous oxide and sulphide mantos occurring in Lower Cambrian limestones on strong northwesterly trending faults.

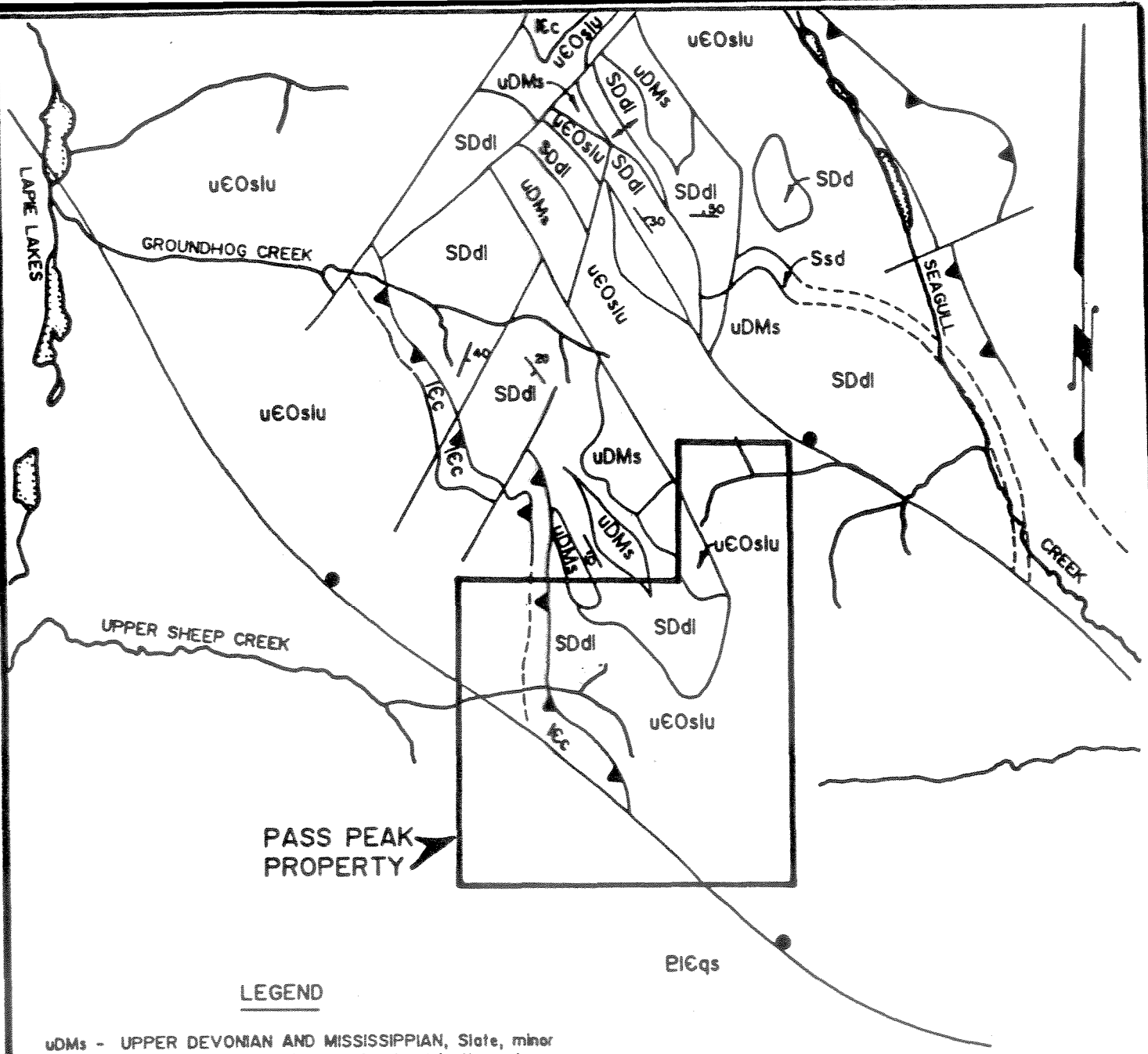
An old camp dating back to the 1950's exists on the southwest of Pass Peak and signs of other previous camps are present within the claim boundaries. The northern half of the Pass Peak property was examined by Great Western Petroleum Corp. in 1981. Moderately anomalous results from a reconnaissance sampling programme were reported from a ridge north of Pass Peak and the creeks draining it.

North of the Pass Peak property, in the Groundhog Creek area, Yukon Minerals Corp. and Perrex Resources Inc. continue working on their Ketza joint venture. They continue to prove tonnage by drilling and underground development and also prospect for new showings on this large silver-lead-zinc property. Cordilleran Engineering and Cominco Resources/Pacific Comox continue to work their respective properties in the area.

REGIONAL GEOLOGY

The Seagull Lakes area in south central Yukon is underlain by a belt of folded and faulted Upper Cambrian-Devonian rocks which is bounded on the southwest by a broad belt of granitic and metamorphic rocks and on the northeast by an intensely deformed zone between the Porcupine Thrust and the Tintina Fault Zone. The Groundhog Creek/Upper Sheep Creek area is underlain by Lower Cambrian to Mississippian carbonate and clastic rocks of the Cassiar Platform that was deformed during Mesozoic arc-continent collision and uplifted during intrusion of the Nisutlin Batholith. This area, known as the Seagull Uplift, was mapped and interpreted by G. Abbot of D.I.A.N.D. (published in Yukon Geology, Volume 1). The regional geology appears in Figure 4.

The oldest rocks in the area are Early Cambrian calcareous mica schist and marble, overlain by Late Cambrian and Early Ordovician blue-grey-green recessive weathering shaley quartz chlorite phyllite containing some mafic tuffs and flows (Davidson, 1988). The phyllites form an extensive unit of unknown thickness, in part limy, dolomitic and locally metamorphosed to hornfels. The phyllites are in turn overlain by black graphitic and non-graphitic shale of Ordovician and Silurian age. Intercalated with the shales are siltstones and locally by grey-green tuffaceous volcanic rocks (commonly brecciated). Formational pyrite bands to 0.5 cm thick have been noted in the shale. Volcanic members contain pyrite



LEGEND

uDMs - UPPER DEVONIAN AND MISSISSIPPIAN, Slate, minor greywacke and grit, lenses of volcaniclastic rock.

SDd - SILURIAN AND (?) LOWER DEVONIAN, Mudstone, dolomite, calcarenite.

SDdl - SILURIAN AND (?) LOWER DEVONIAN, Redweathering dolomite.

Ssd - SILURIAN, Dolomitic siltstone, sandstone.

uEOsiu - UPPER CAMBRIAN AND ORDOVICIAN (?), Muscovite-quartz phyllite, greenstone lenses.

lEc - LOWER CAMBRIAN, Calcareous argillite, limestone, siltstone, biotite schist, skarn.

PlEqs - PROTEROZOIC and/or LOWER CAMBRIAN; slate, shaly quartzite, sandstone

Geological contact, defined, approximate, assumed.

20 Bedding, strike, dip.

Anticlinal fold axes.

Thrust fault.

Steeply dipping fault, circle on downthrown side.

Other faults

0 1 2 3 4 5
KILOMETRES

After Abbott, 1986, Yukon Geology Vol. I D.I.A.N.D.

YUKON MINERALS CORP.

PASS PEAK PROPERTY

REGIONAL GEOLOGY

PASS PEAK, YUKON TERRITORY

N.T.S.:	TECH:	DATE:
105 F/10	G. D.	DEC. 1988
SCALE:	DRAFTING:	FIGURE:
1 : 100,000	GeoGraphics	4

cubes to 2.0 cm and considerable finely disseminated pyrite and exhibit limited alteration. These older rock units are recessive weathering and occur in valley bottoms and well rounded ridges.

Overlying this are resistant weathering Silurian-Devonian dolomite, dolomitic siltstone and quartz arenite. The dolomite forms prominent lithologies, blocky talus and weathers buff, red and grey. It is within this unit that most of the Ag-Pb-Zn mineralization occurs in the district. The dolomite unit is from 300-1500 m thick and contains three members:

- a basal member comprised of sandy and silty dolomites with lenses of massive grey dolomite;
- a middle member of dolomitic sandstone and quartzite;
- and an upper member composed mainly of dark grey dolomite.

Overlying the dolomites are Late Devonian and Mississippian black shales, chert, and a conglomerate(grit) unit. Syenitic intrusive stocks outcrop a few miles east of Seagull Lakes.

This lithologic sequence is cut by numerous normal and thrust faults formed during uplift of the Cretaceous Nisutlin batholith (Seagull Uplift). The faulting has left a complex assemblage of fault-bounded blocks and wedges of dolomite, shale, and phyllite.

Structurally, the rocks in the area have been subjected to considerable stress and have reacted differently according to their competency. Dolomites have experienced little internal deformation with movement occurring along low angle thrust planes and normal faults. Shales and phyllites have been intensely deformed with extensive folding and internal shearing.

ECONOMIC GEOLOGY:

In the Seagull Lakes/Ketza River district, mineralization is common with both gold and silver bearing minerals present. Five main types of mineral occurrences and geological settings are known in the area:

1) *Gold-bearing pyrrhotite-arsenopyrite and secondary oxide mantos, veins and chimneys have been outlined and are being currently mined on the Ketza property of Canamax and Pacific Trans Ocean.*

2) *Silver-lead-zinc bearing veins and breccia zones hosted within or proximal to normal faults, generally in Siluro-Devonian dolomite.*

3) *Silver-bearing galena veins and lenses generally in Siluro-Devonian dolomite but may or may not be hosted within normal fault zones.*

4) *Quartz and carbonate veins containing silver-rich galena, sphalerite, tetrahedrite, freibergite and pyrite in Lower Cambrian to Mississippian sedimentary rocks.*

5) *Stratiform silver-lead-zinc mineralization occurring within folded quartz-carbonate rich sequences of Late Cambrian phyllites.*

On the MPR ground, a sixth type of mineral occurrence consisting of gold-arsenic mineralization in or near shear structures within Cambrian phyllites occurs.

8 EXPLORATION PROGRAMME

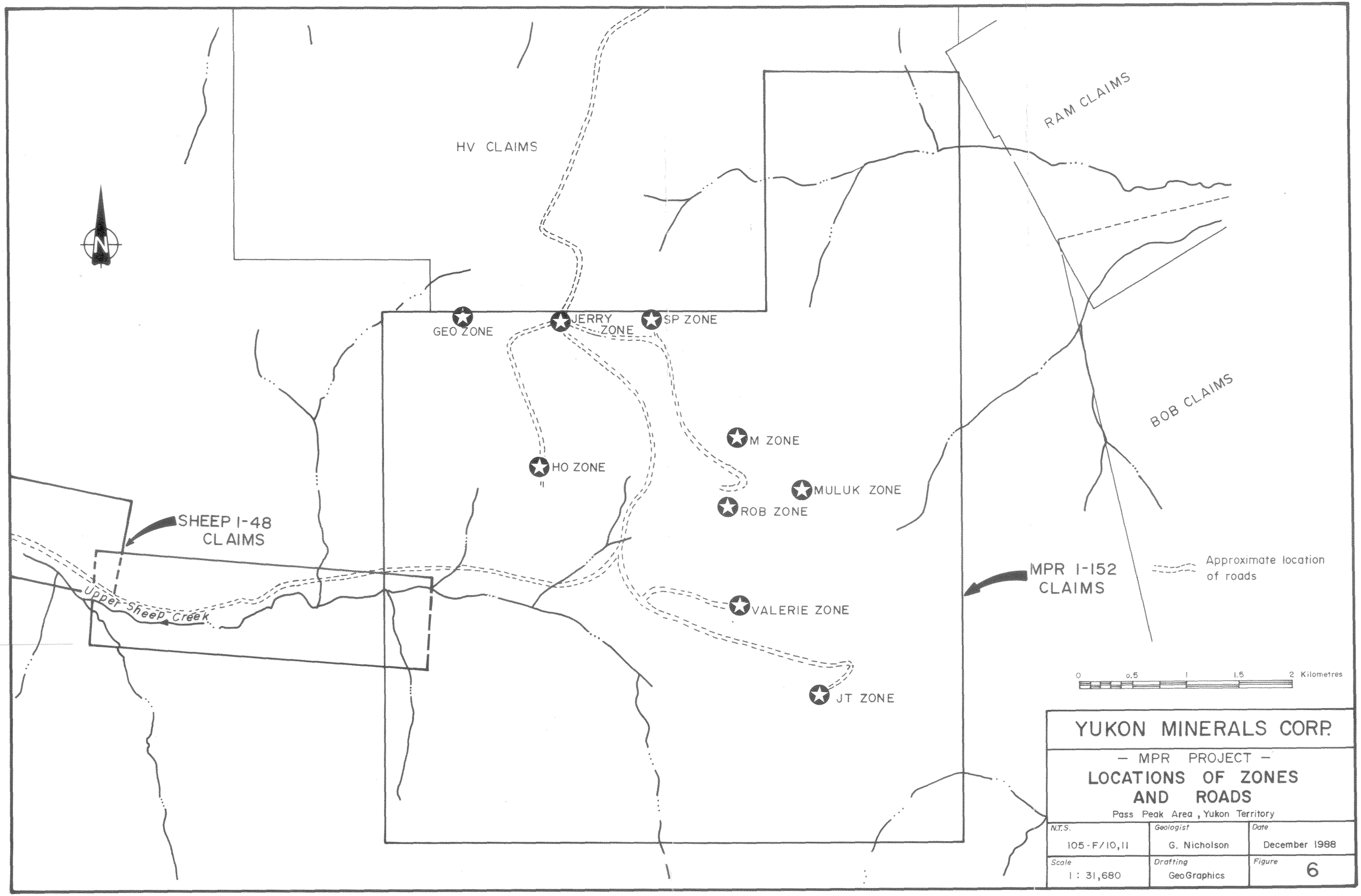
8a) Summary

The 1988 exploration programme of the Pass Peak property, comprising the MPR 1-152 claims and the Sheep 1-48 claims, was conducted from early June to early October. Final report writing commenced in mid November and was completed in December, 1988.

Work on the property was undertaken from a base camp established in the southwest of the MPR claim block. The programme consisted of prospecting, sampling, cat trenching and roadbuilding, and geological mapping. The following highlights features of the programme. The location of roads constructed and zones appears on Figure 6.

- prospecting discovered the Geo, Valerie, Jerry and M Zones
- camp was established for up to 8 people
- prospecting and sampling on a reconnaissance level was completed over most of the claims
- geological mapping at 1:10,000 scale better defined lithologic units and geologic structures
- the Sheep 1-48 claims were staked and the original road was graded and ditched to 2 wheel drive accessibility and a new road was extended onto the MPR claims
- access roads to most showings and to the adjoining HV claims were built
- trenching of major structures and showings was completed
- 1:5,000 colour airphotos were flown of the property
- stream bulk and silt samples from all major drainages on and around the property (Figure 7d) were taken and sent for multielement analysis
- thin section analysis of several rock types was undertaken

A total of $220,000 dollars was expended to complete the programme. A follow-up programme comprised primarily of further trenching and diamond drilling is budgeted at $200,000 dollars. This will adequately test the targets outlined in the 1988 programme.



YUKON MINERALS CORP.

— MPR PROJECT —

LOCATIONS OF ZONES AND ROADS

Pass Peak Area, Yukon Territory

N.T.S.	Geologist	Date
105-F/10,11	G. Nicholson	December 1988
Scale	Drafting	Figure
1 : 31,680	GeoGraphics	6

8c) Property Geology

The MPR claims are dominated principally by two rock groups: Upper Cambrian phyllite and Silurian-Devonian dolomites. The Sheep claims, while not extensively covered by geological mapping or sampling during 1988 are noted in many places to also consist of primarily Upper Cambrian phyllite. On the north end of the MPR claims black Devonian-Mississippian shales occur (Figure 5).

Most of the property which was mapped consisted of phyllite. This is a Late Cambrian and Early Ordovician blue-grey-green recessive weathering shaley quartz chlorite phyllite. Some mafic tuffs and flows are mapped by others in this unit however the volcanic rocks noted while mapping the MPR appeared to be more like a sill or dyke. They may only be remnants of a larger flow once existing within the phyllite though that have since been faulted or weathered away. Locally in the phyllite three key features have been noted:

1) *Extremely tight S_1 and S_2 folding.*

2) *Lenses of quartz-carbonate with sulphides-principally copper sulphides (chalcopyrite, tetrahedrite).*

3) *Within or near shears in the phyllite occur highly anomalous gold-silver-copper-arsenic values.*

More detailed prospecting and mapping of this unit are required to determine the relative importance of these.

The Silurian-Devonian dolomite unit occurs on approximately one-third of the mapped area and is largely a

resistant weathering unit. The key features of this unit noted during mapping include:

1) The unit variably weathers to buff, orange, grey, and reddish purple sequences.

2) Jointing is widespread.

3) Fossils are present at several localities.

4) This unit weathers to create very blocky talus.

5) Alteration is almost non-existent.

6) Shearing is present only on a small scale (i.e., less than 2 metre shear zones).

7) This unit hosts all the silver-lead-zinc mineralization on the property.

No advanced studies have been attempted on the dolomite to determine its exact composition. The age of and reason for mineral occurrences is also a subject which should be researched further.

The Devonian-Mississippian shales in the north overlie the dolomite stratigraphically. Outcrop contacts have been mapped in the field to confirm this. The shales are an erodible, black shale with variable amounts of carbonaceous remnants.

Mineralization occurs as three forms on the MPR ground:

1) Stratiform lead-zinc-silver in the phyllites (Geo zone).

2) Hydrothermal silver-lead-zinc mineralization in carbonates (HO, M, Rob Veins, SP, Valerie, Jerry Zones).

3) Gold-silver-arsenic mineralization in the phyllites (JT Zone).

No economic values were returned from type 1 mineralization but the model does pose an intriguing exploration target.

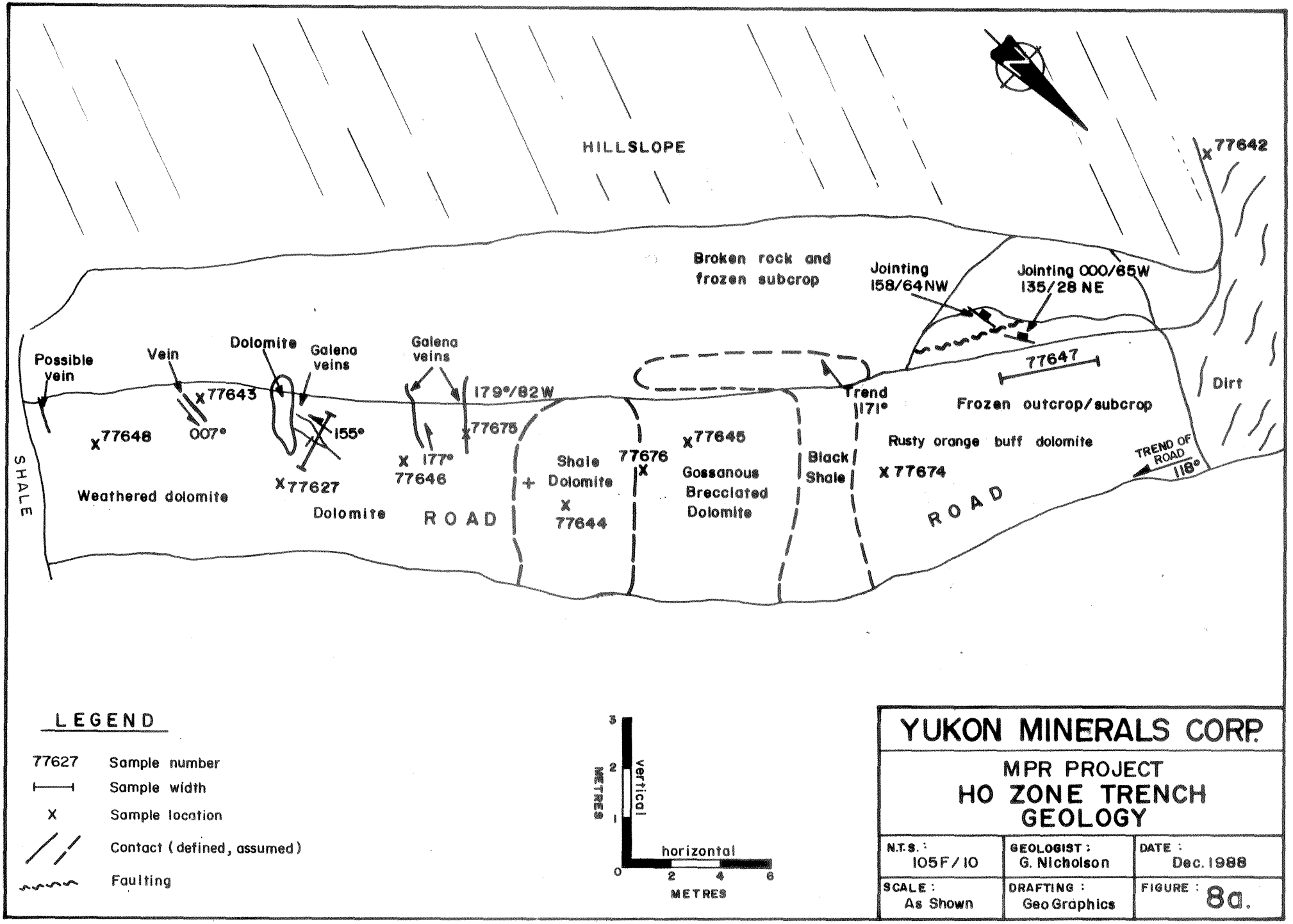
Type 2 mineralization is scattered throughout the carbonates and occurs as veins and blebs. Mineralization consists of: galena, sphalerite, freibergite, tetrahedrite, chalcopyrite, malachite, azurite, and pyrite. Very little alteration of wallrock was observed suggesting that the veins, which are typically less than 10 cm wide, are replacing along strong jointing planes, and the blebby mineralization is replacement. Faulting, where present (i.e., Jerry Zone, HO Zone), may have provided some ground preparation for mineralized solutions to travel along but no mineralization was observed within the fault zones themselves.

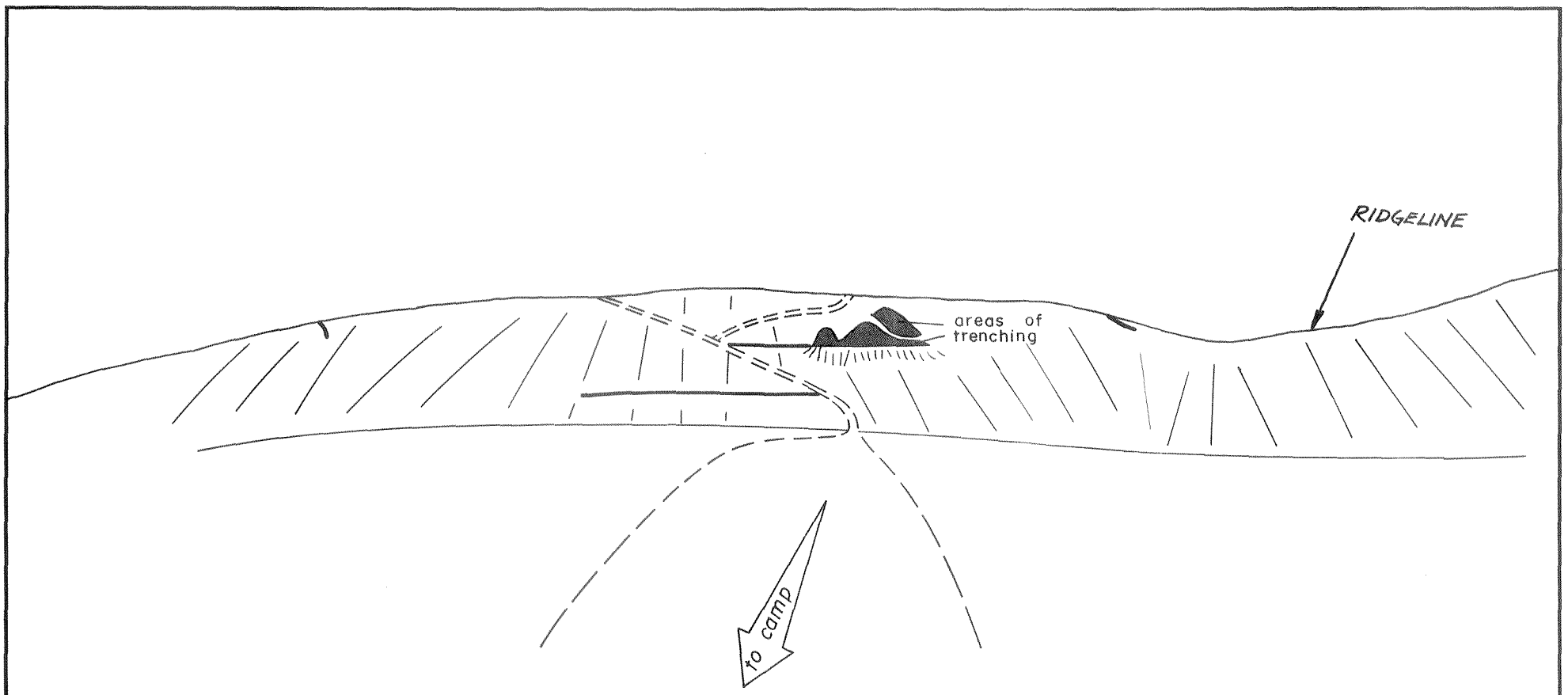
Type 3 mineralization represents the newest and least explored for exploration target. Anomalous gold-silver-arsenic mineralization occurs in strongly sheared phyllite. The JT zone is an example of this. Other phyllite rock samples gathered while prospecting also have anomalous values. The silt sampling programme provided indications that this type of mineralization can occur elsewhere on the property. The minerals present include pyrite, arsenopyrite, scorodite, and chalcopyrite.

8d) Discussion

Efforts during the 1988 programme were designed to expand on the economic potential of zones discovered during the 1987 season (HO, SP, JT zones) and discover new areas of mineralization with economic potential. These objectives were met with considerable success. Both the HO and JT zones were trenched and continued good values returned. They both remain open for diamond drilling. The SP zone was trenched but yielded poor results. Several new areas of mineralization were located and varying amounts of sampling were done on each. The new areas located include the Jerry, M, Valerie, Geo, Rob Veins and JW zones. Aside from the Geo zone, all occur within Silurian-Devonian carbonates. The Geo zone occurs within Cambrian phyllite. All the zones discovered consist of silver-lead-zinc mineralization occurring either in veins (Rob) or blebby (M, Valerie, HO) mineralization. The Jerry zone has returned anomalous values but trenching did not penetrate the oxidized cap. Of this year's discoveries, only the JW zone does not require follow-up. The Valerie zone did not return any significant values but the abundance of mineralization present suggests that perhaps a different assay technique is required.

The HO, SP, Jerry, Rob Veins, and JT zones were trenched and trench maps for them follow.


HILLSLOPE
x77642
Broken rock and frozen subcrop
Jointing 158/64NW
Jointing 000/65W 135/28 NE
Possible vein
Vein
Dolomite
Galena veins
Galena veins
179°/82W
x77643
007°
155°
x77648
x77627
Weathered dolomite
Dolomite
x 177° 77646
x77675
ROAD
Shale + Dolomite x 77644
77676 x
x77645
Gossanous Brecciated Dolomite
Black Shale
Trend 171°
77647
Frozen outcrop/subcrop
Rusty orange buff dolomite
x 77674
ROAD
TREND OF ROAD 118°
Dirt
SHALE
LEGEND
77627 Sample number
Sample width
X Sample location
Contact (defined, assumed)
Faulting
METRES
vertical
horizontal
0
2
4
6
YUKON MINERALS CORP.
MPR PROJECT
HO ZONE TRENCH
GEOLOGY
N.T.S.: 105F/10
GEOLOGIST: G. Nicholson
DATE: Dec. 1988
SCALE: As Shown
DRAFTING: Geo Graphics
FIGURE: 8a.



LEGEND

=== trail

——— trench

SCALE

0 50 100

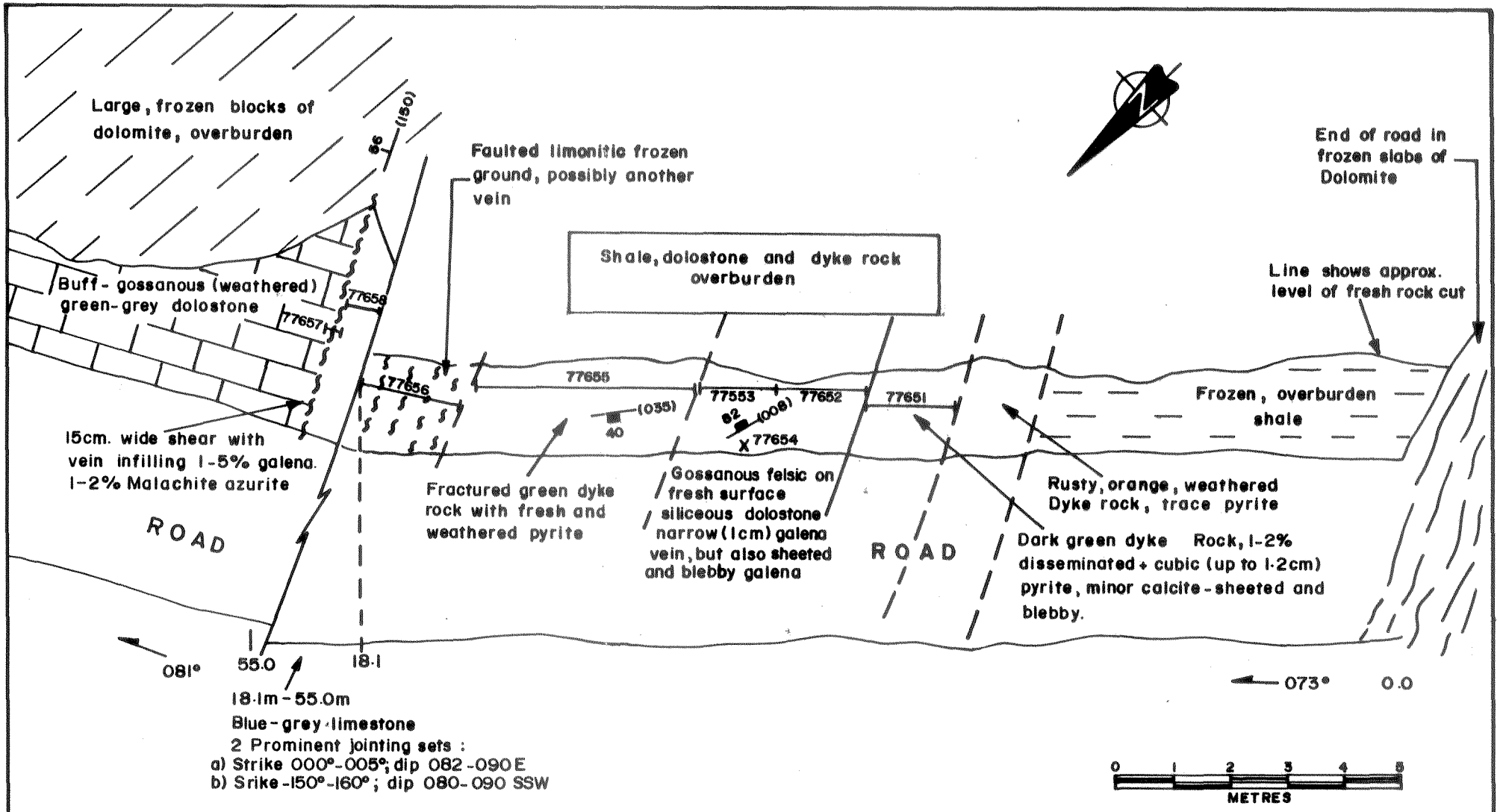
(metres)

YUKON MINERALS CORP.

-MPR PROJECT-

JERRY ZONE

N.T.S. 105 F/10	GEOLOGIST G. Nicholson	DATE Dec. 1988
SCALE Approx. 1:2500	DRAFTING GeoGraphics	FIGURE 8b



LEGEND

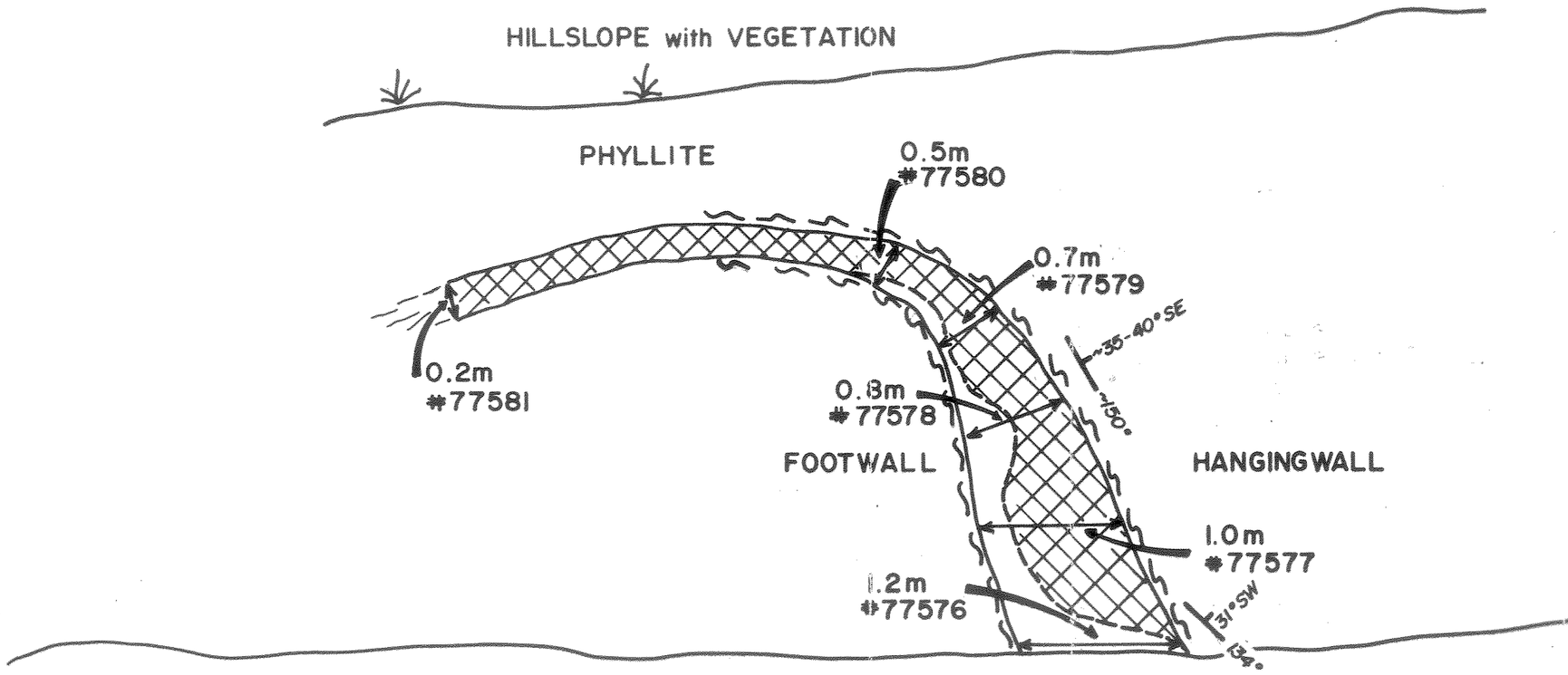
073°	Trend of road		
	Contact : defined, gradual or assumed		
56 (150)	Strike / Dip	77553	Sample number
82 (008)	Jointing		Sample width
	Faulting	x	Sample location

YUKON MINERALS CORP.

MPR PROJECT

ROB VEINS TRENCH

N.T.S : 105F/10	GEOLOGIST : G. Nicholson	DATE : Dec. 1988
SCALE : 1:100	DRAFTING : GeoGraphics	FIGURE : 8c





LEGEND

Outline of quartz-arsenopyrite veining within shear zone

Sheared, mineralized phyllite within JT shear zone, fragment of quartz-arsenopyrite vein caught up within.

134° 31° Bedding (strike/dip)

0.7m Sample width,

#77579 Sample number



YUKON MINERALS CORP.

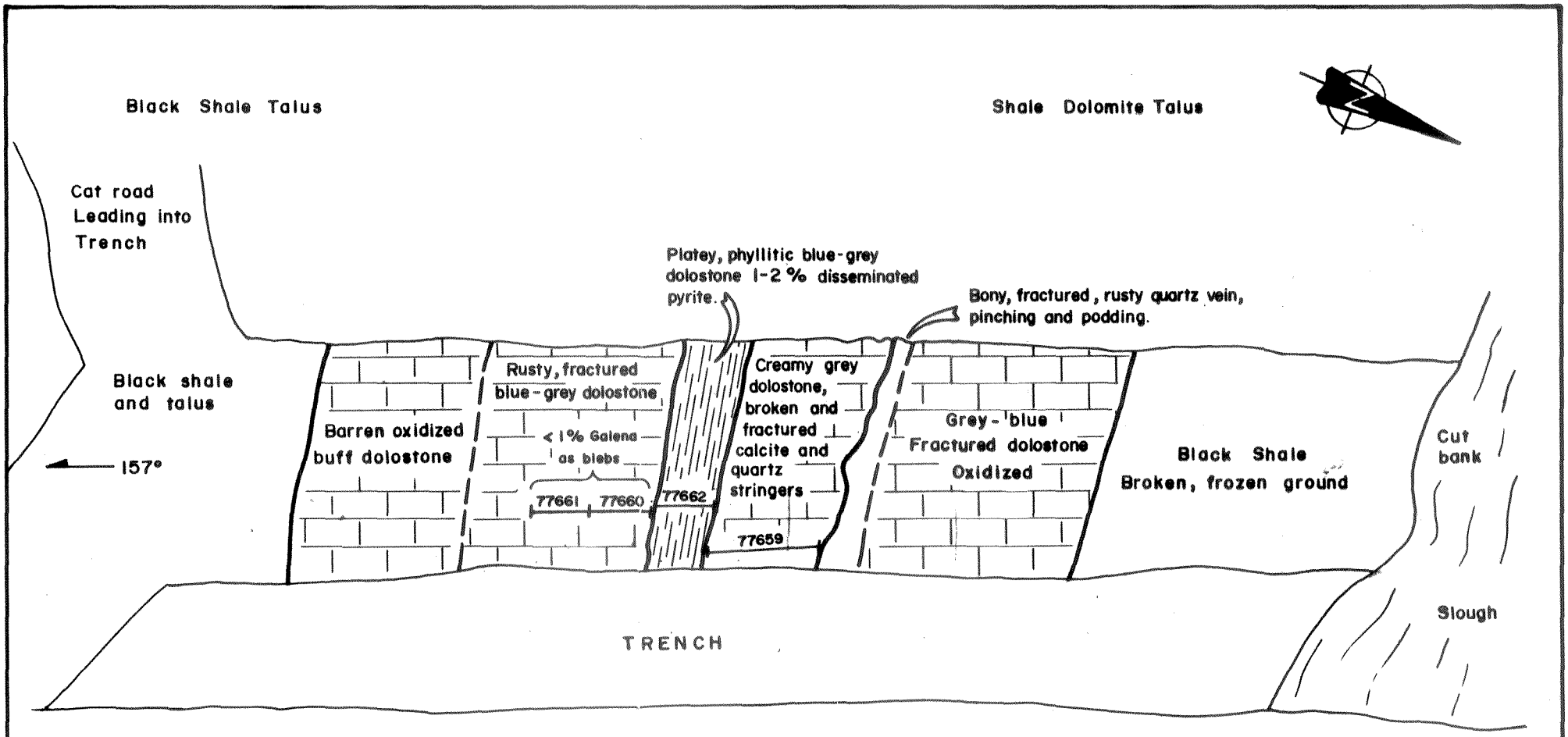
- MPR PROJECT -

MPR CLAIMS

J.T. SHOWING

Pass Peak Area, Yukon Territory

N.T.S.	Geologist	Date
105-F/10, 11	G. Nicholson	December 1988
Scale	Drafting	Figure
1:50	GeoGraphics	8d

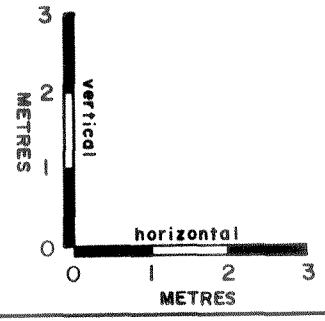


LEGEND

Contact (defined, assumed or inferred)

77661 Sample number

Sample width



YUKON MINERALS CORP.

MPR PROJECT
SP ZONE LOWER TRENCH GEOLOGY

N.T.S.	GEOLOGIST:	DATE:
105 F/10	G. Nicholson	Dec. 1988
SCALE: As Shown	DRAFTING: GeoGraphics	FIGURE: 8e

CONCLUSIONS AND RECOMMENDATIONS

The 1988 exploration programme conducted on the MPR claims has succeeded in providing insights into the size and grade of discoveries made during the 1987 prospecting programme. The property to date has yielded several areas of good grade silver-lead-zinc mineralization as well as areas of anomalous gold and requires additional exploration.

The conclusions to be made from the results of the 1988 programme are as follows:

(1) The MPR property has very similar geology to that of the adjoining Yukon Minerals Corp./Perrex Resources Inc. Ketza joint venture project.

(2) Prospecting and sampling followed by trenching by a caterpillar tractor and excavator have proven to be the most effective in assessing a showing.

(3) The gold + 8 geochemical package has been useful in detecting anomalous gold, mercury, arsenic and silver values in phyllites previously considered to be of little interest.

(4) Several areas (HO, SP, JT, JERRY, M, GEO, VALERIE, ROB veins) require further expenditures to determine their size, grade and economic potential. The stages of exploration required include further sampling, trenching and diamond drilling.

(5) Silt and bulk sampling of streams confirmed the presence Au-Ag-Pb-Zn mineralization and outlined several new targets.

(6) The property has the potential to prove up any or all of:

a) high grade Ag-Pb veins;

b) medium tonnage open pitable carbonate hosted Ag-Pb-Zn;

c) stratiform Ag-Pb-Zn;

d) gold in sheared and veined phyllites.

Based on these conclusions a two stage exploration programme for the MPR claim group is recommended as outlined below:

STAGE 1

- continued prospecting and sampling of known showings to extent their sizes;
- detailed prospecting and sampling of the phyllite;
- continuing trenching of known showings and the establishment of drill pads;
- further mapping to better understand structural controls.

Cost of this phase is estimated to be $40,000.00 as detailed below:

PHASE I BUDGET

Prospecting	$ 6,000.00
Geochemistry, assays	2,500.00
Geological mapping, supervision	5,000.00
Bulldozer trenching, roadwork	15,000.00
Camp and support costs	3,000.00
Transportation	4,000.00
SUBTOTAL	35,500.00
Contingency	4,500.00
TOTAL PHASE I	$40,000.00

Given the favourable results obtained during the 1988 summer programme and the anticipated results of similar or better grade mineralization, a second phase programme is recommended to commence immediately following the Phase I programme and consists of the following:

- *diamond drilling of the HO and J.T. zones and possibly the Jerry zone;*
- *continued trenching of known targets;*
- *continued prospecting for Ag-Pb-Zn mineralization in carbonates and Au-Ag mineralization in sheared and quartz-carbonate veined phyllites.*

Cost of this phase is estimated to be $160,000.00 as detailed below:

PHASE II BUDGET

Prospecting	*$ 12,000.00*
Geochemistry, assays	*5,000.00*
Geological supervision	*12,000.00*
Bulldozer trenching	*20,000.00*
Camp and support costs	*8,000.00*
Transportation	*7,000.00*
1500' HQ size diamond drilling @ $50/ft	*75,000.00*
Surveying	*5,000.00*
SUBTOTAL	*$144,000.00*
Contingency	*16,000.00*
TOTAL PHASE II	*$160,000.00*
TOTAL PROPOSED BUDGET	*$200,000.00*

STATEMENT OF QUALIFICATIONS

I, George E. Nicholson, do hereby certify as follows:

(1) I am a contract geologist with offices at #606-675 West Hastings Street, Vancouver, British Columbia.

(2) I am a graduate of the University of British Columbia with a Bachelor of Sciences, Geology.

(3) I am a member in good standing of the Association of Exploration Geochemists and the Northwest Mining Association.

(4) I have worked in geology in British Columbia and the Yukon since 1983.

(5) I am the author of this report and I was employed by Yukon Minerals Corporation from July to October, 1988 to supervise the work program on the MPR Claims.

(6) I have not received, no do I expect to receive, any interest, directly or indirectly, in the properties or securities of Yukon Minerals Corporation.

Respectfully submitted,

George E. Nicholson, BSc.
December, 1988

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HV Claims

SHEEP Claims

MPR 1-152 Claims

UNMAPPED

UNMAPPED

Creek

Peak

5900 5900 6100 4500 5300 6000 5700 4700 5000 5200 5700 6200 5900 6100 4500 4700 5000

X old camp

zinc moss

shale

Talus

Geo zone

qtz arenite

carbonaceous phyllite

phyllite

R39

foliation

Bighorn

uDMs

R20

HO zone

dolostone

R18, R19

graben

uEOsl

pieces of uEOb

limestone in float

small scale shear fr to S_2 folds

calcareous phyllite

well folded

mineralized quartz vein at 73° trend grs. by spy freibergite

sample 037/38 WNW

quartz vein in phyllite

grey dolostone

SDd

Rob veins

shale

nissingerite X type mineralized X Hg (see book)

red brown carb fossils

grey limestone with shaly interbeds, red weathering

purply-brown carb

R16

Ss

dolostone

shale

R15

R1

extremely platey phyllite carb. E-W trending

gossanous weathered

R4

R8

malachite tetrahedrite pyrite

large pieces of dyke rk

R13

increasingly platey phyllite

dolostone

shale

R9

phyllite with interbed quartz carb. / carb seams

phyllite

quartz float

shale

limestone

shale

limestone

limestone

shale

shale phyllite

OSs.?

uEOsl ?

shale

shale

intrusive?

R3

uEOb

O/C

slump or inferred fault along bluffs

sill

phyllite

quartz

phyllite

intrusive(?) dike at 108° trend

quartz carb. vein

quartz carbonate vein in talus

phyllite

talus

weak folding present

quartz

limestone

limestone

quartz talus dirty limestone

limestone platey

phyllite with interbed limestone

folded limestone

interbedded dirty limestone with phyllite

phyllites overlie dirty carbonaceous phyllite

LEGEND

CRETACEOUS and (?) EARLY TERTIARY

KTqfp — Dark green, fine grained biotite-bearing mafic dikes. Minor quartz feldspar porphyry.

Kg — Homogenous, medium grained, biotite quartz monzonite.

LATE DEVONIAN and MISSISSIPPIAN

Mv — Undifferentiated felsic and mafic volcanics, hornblende syenite and black shale.

uDMs — Black shale, chert grit, and chert conglomerate.

SILURIAN, EARLY and MIDDLE DEVONIAN

SDd — Buff, grey, and red weathered dolomite, with lenses of massive quartz arenite.

Ss — Grey weathering platey, thinly laminated dolomitic silstone.

Sq — Massive grey weathering quartz arenite.

ORDOVICIAN and SILURIAN

OSs — Black, graptolitic shale, minor chert.

LATE CAMBRIAN and EARLY ORDOVICIAN

u€OsI — Grey-buff weathering thinly laminated calcareous phyllite. tuffaceous phyllite, with some mafic tuffs, and flows.

u€Ob — Resistant dark green mafic flow or sill.

EARLY CAMBRIAN

l€csl — Grey weathering calcareous mica schist and marble

SYMBOLS

28 — Bedding (dip noted)

30 — Jointing

76 — Foliation

Geological contact : defined, approximate

Fault : defined, approximate

Thrust fault : defined, approximate

Outcrop observed

Trench

0 100 200 300 400 500 750 1000 METRES

YUKON MINERALS CORP.

— MPR PROJECT —

PROPERTY GEOLOGY

092658

N.T.S.	Geologist	Date
105-F/10,11	G. Nicholson	December 1988
Scale 1:10,000 enlarged from 1:50000	Drafting GeoGraphics	Figure 5

249

249

MPR Claims

HV Claims

SHEEP Claims

Jerry Zone
77667
77668
77669
77670
77671
77672

SP Zone
77628
77659
77660
77661

M Zone
77639
77640

J W Zone
77533 (west to east)
77534
77535
77536
77537
77538
77539
77540
77541
77542
77543
77544
77545
77546
77516
13293
13294
77547
TS 5

Ho Zone
77626
77627
77642
77643
77644
77645
77646
77647
77648
77673
77674
77675
77676

Geo Zone
13351
13352
13300

TS 3,4
13285
13286
13287
13296
13297
13298
13284
13282
13283
13277
13278
TS 1,2
13279
13280
13281
13276
77682
77683
77684
13360
13359
13353
13354
13362
13355
13356
13299
77678
77686
77598
77685
77595
13289
13290
13291
13292
77523
13288
77524
77525
77522
77663
77662
TC Showing
77651
77652
77653
77654
77655
77656
77657
77658
(Tracey
Sweat
Tears
Blood
77664
77665
77666
77597
77598
77526
77527
77521
77528
77520
77519
77518
TS 7
77517
77512
77514
77513
77687
77515
77552
77551
77553
77561
77554
77555
77556
77583
77584
77560
77558
77559
13358
13357

4700
5900
5900
5100
6100
5800
5500
4500
5700
5000
6200
5300
6000
5000

PELLY

Pass
Peak

Creek

LEGEND

x 77518 Rock sample location
x TS 1,2 Geo Zone thin section location
x TS 3,4 Bighorn " " "
x TS 5 J.W. " " "
x TS 6 Valerie " " " (see south map)
x TS 7 Phyll. Carb. " " "

0 200 400 600 800
METRES

See Rock Sample Description Sheets, Appendix I for rock descriptions and assay results.

YUKON MINERALS CORP.

—MPR PROJECT—

ROCK SAMPLE LOCATIONS

NORTH HALF

092658

N.T.S.	GEOLOGIST:	DATE:
105 F/10, 11	G. E. N.	DEC., 1988
SCALE: 1:10,000 enlarged from 1:50,000	DRAFTING: GeoGraphics	FIGURE: 7a

(250)

SHEEP Claims

MPR Claims

Valerie Zone

Quartz Zone

LEGEND

x 77557 Rock sample location
x TS 6 Valerie thin section location

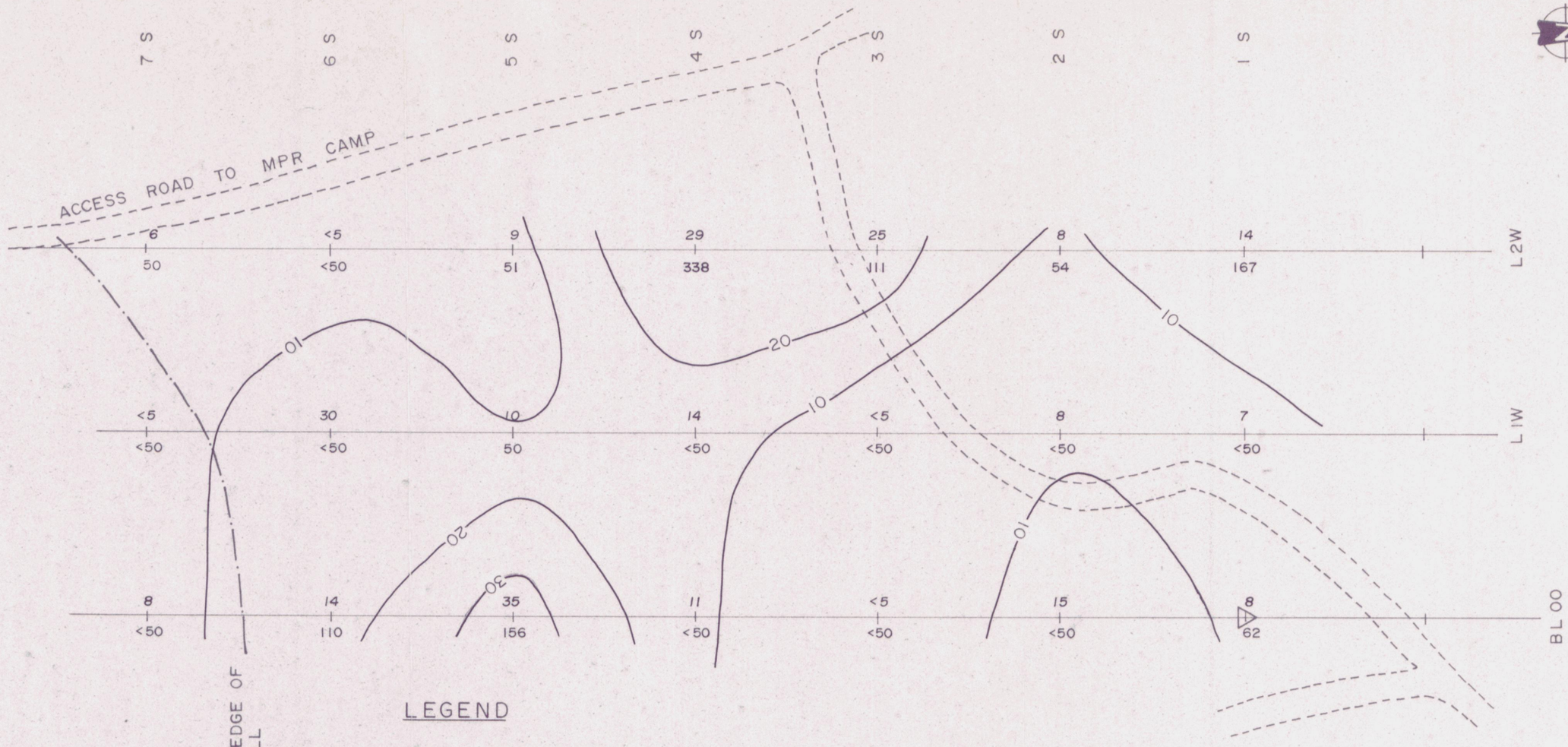
0 200 400 600 800
METRES

See Rock Sample Description Sheets, Appendix I for rock descriptions and assay results.

YUKON MINERALS CORP.
—MPR PROJECT—
ROCK SAMPLE LOCATIONS
SOUTH HALF
092658

N.T.S.	GEOLOGIST	DATE
105F/10,11	G.E.N.	DEC, 1988
SCALE: 1:10,000 enlarged from 1:50,000	DRAFTING: Geo Graphics	FIGURE: 7b

(25)



LEGEND

9 — Gold (ppb)

51 — Arsenic (ppm)

Gold values are contoured

0 5 10 15

METRES

YUKON MINERALS CORP.		
— MPR PROJECT —		
SOIL GEOCHEMISTRY GRID		
JERRY ZONE		
Pass Peak Area, Yukon Territory		
N.T.S : 105 · F/10	Geologist : G. Nicholson	Date : December, 1988
Scale : 1:250	Drafting : GeoGraphics	Figure : 7c

092658

7 S
6 S
5 S
4 S
3 S
2 S
1 S

ACCESS ROAD TO MPR CAMP

72 19 21 76 192 238 26 L2W

200
150
100
50

17 13 23 15 42 26 31 L1W

50
100
150
200

27 47 22 28 69 142 384 BL 00

APPROX. EDGE OF ROCK FALL

LEGEND

19 — Lead (ppm)

0 5 10 15
METRES

YUKON MINERALS CORP.

— MPR PROJECT —

SOIL GEOCHEMISTRY GRID
JERRY ZONE

Pass Peak Area, Yukon Territory

N.T.S.: 105 F/10	Geologist: G. Nicholson	Date: December, 1988
Scale: 1:250	Drafting: GeoGraphics	Figure: 7c

092658

7 S 6 S 5 S 4 S 3 S 2 S 1 S

N

ACCESS ROAD TO MPR CAMP

L2W

L1W

BL00

< 0.5

01

02

2.1

2.2

APPROX. EDGE OF ROCK FALL

LEGEND

< 0.5 — Silver (ppm)

0 5 10 15

METRES

YUKON MINERALS CORP.

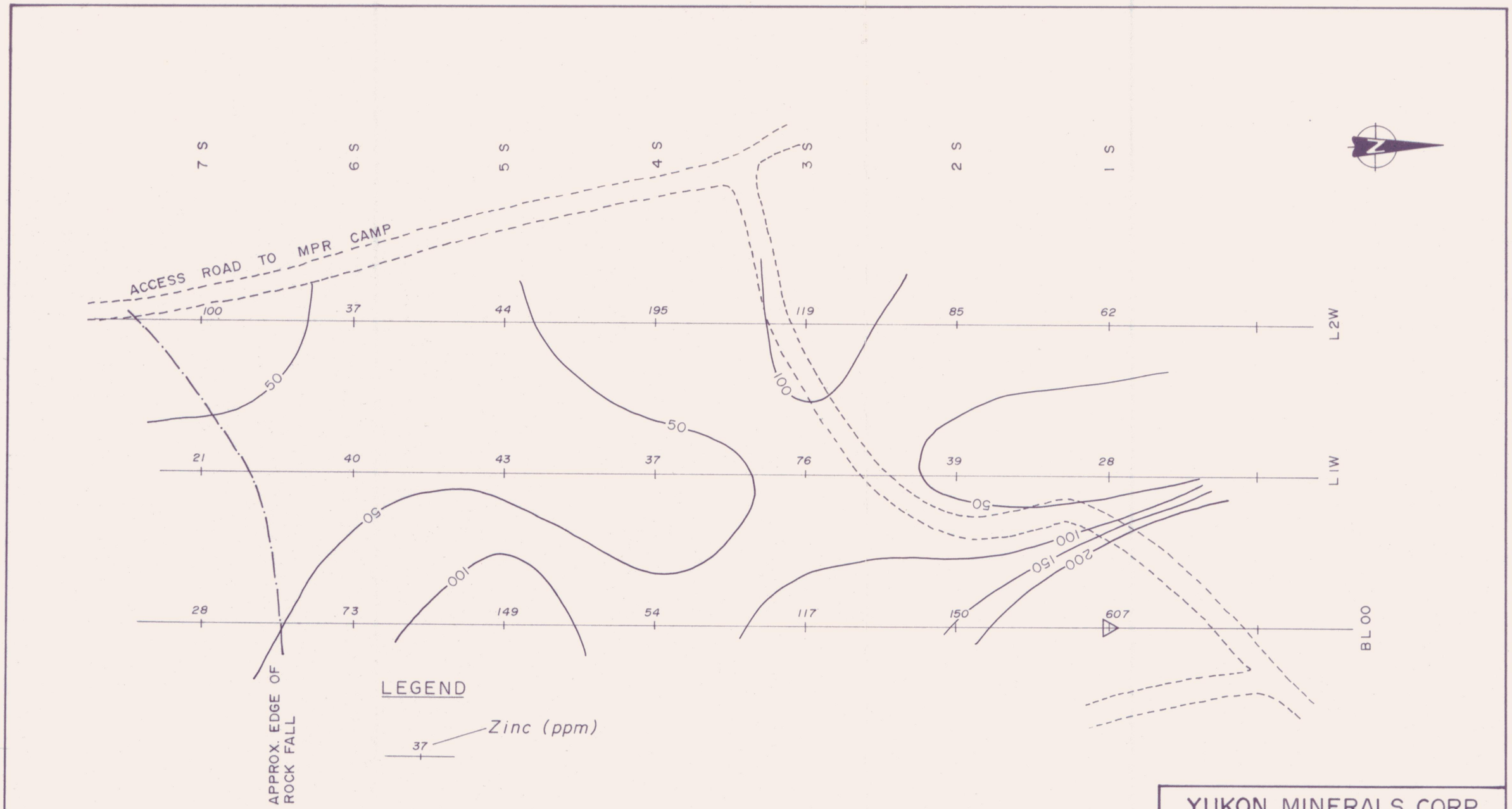
— MPR PROJECT —

SOIL GEOCHEMISTRY GRID

JERRY ZONE

Pass Peak Area, Yukon Territory

N.T.S. :	Geologist :	Date :
105 · F/10	G. Nicholson	December, 1988
Scale :	Drafting :	Figure :
1:250	GeoGraphics	7c



YUKON MINERALS CORP.

— MPR PROJECT —

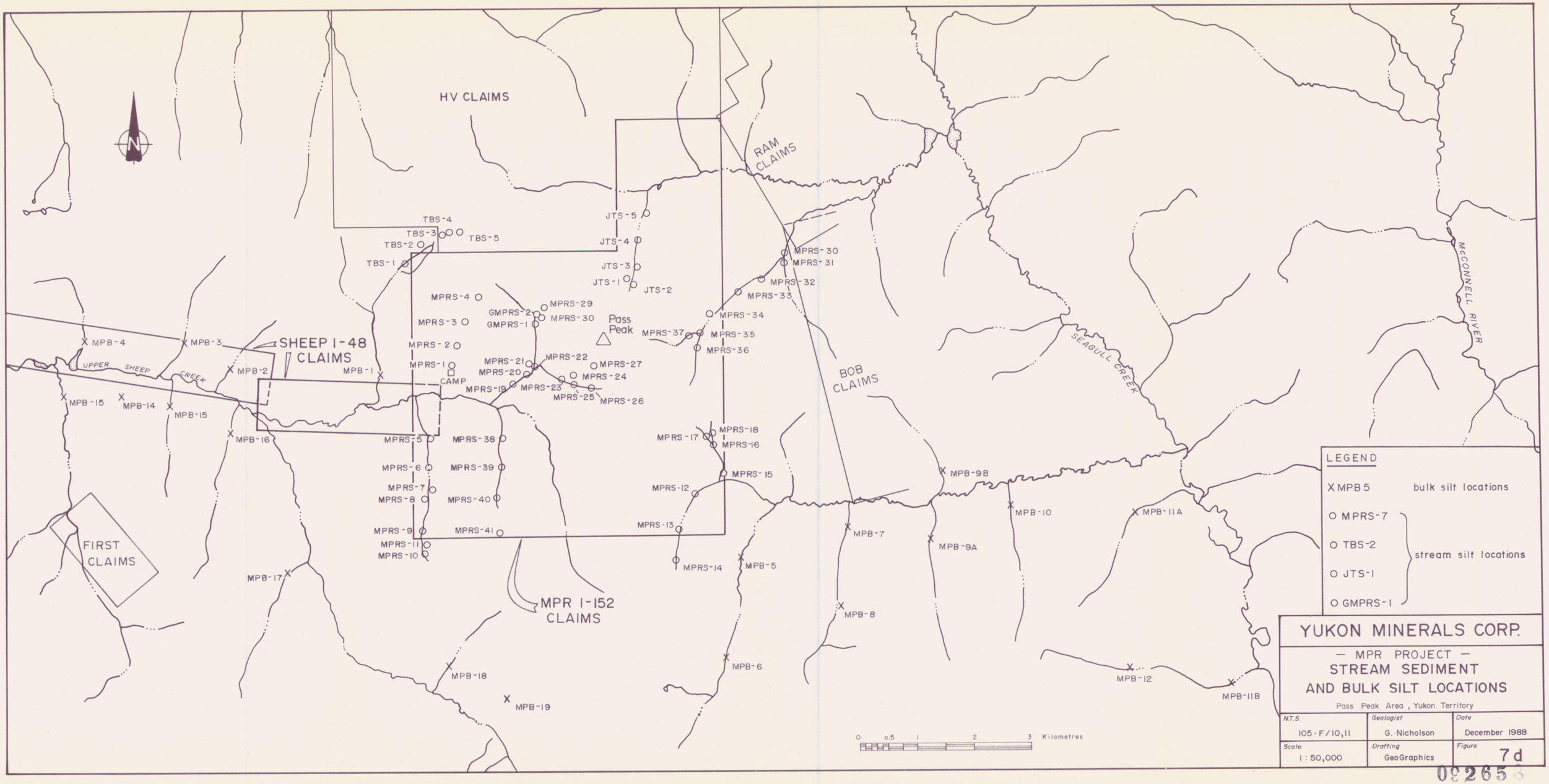
SOIL GEOCHEMISTRY GRID

JERRY ZONE

Pass Peak Area, Yukon Territory

N.T.S. :	Geologist :	Date :
105 · F/10	G. Nicholson	December, 1988
Scale :	Drafting :	Figure :
1:250	GeoGraphics	7c

092658



LEGEND

X MPB 5 — bulk silt locations

O MPRS-7, O TBS-2, O JTS-1, O GMPRS-1 — stream silt locations

YUKON MINERALS CORP.

— MPR PROJECT —

STREAM SEDIMENT AND BULK SILT LOCATIONS

Pass Peak Area, Yukon Territory

N.T.S.	Geologist	Date
105-F/10,11	G. Nicholson	December 1988
Scale	Drafting	Figure
1:50,000	GeoGraphics	7d

092658

APPENDIX 1

Rock Sample Descriptions

ROCK SAMPLE DESCRIPTION RECORD

Page: 1 | Project: MPR | Location: NTS 105F/10,11 | Operator: YKN

Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13276	See Map North Half	dolomite-quartz vein within a weakly graphitic phyllite, contains finely disseminated to trace amounts of unknown sulfides, possibly arsenopyrite	8 ppb	0.04 oz/ton			
13277	See Map North Half	sheared, limonitic phyllite with quartz carbonate veins (30cm to 2.5 metres) contains trace amounts of galena and arsenopyrite 000/024 WSW, stratiform with tight isoclinal folds.	13 ppb	0.02 oz/ton			
13278	See Map North Half	same as 13277, except area is highly gossanous and contains quartz carbonate pods up to 65 cms.	< 5 ppb	0.01 oz/ton			
13279	See Map North Half	1 metre grab: gassanous, sheared, weakly brecciated phyllitic shale, which contains minor quartz veining. Minor amounts of limestone and calcite in veins trace -2% pyrite throughout.	22 ppb	0.05 oz/ton	0.01%	0.01%	Cu: <0.01%

ROCK SAMPLE DESCRIPTION RECORD

Page: 2 | Project: MPR | Location: NTS 105F/10,11 | Operator: YKN

Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13280	See Map North Half	same rock as 13279 2m grab.	261 ppb	0.08 oz/ton	0.02%	<0.01%	Cu: <0.01%
13281	See Map North Half	same rock as 13279 1m grab.	15 ppb	0.07 oz/ton	0.01%	<0.01%	Cu: <0.01%
13282	See Map North Half	1m^3 talus grab. Massive deep reddish-brown (diopside??) skarn which contains tr. -2% sphalerite, pyrite, and chalcopyrite. Possibly barite present.	<5 ppb	0.03 oz/ton	0.01%	<0.01%	Cu: 0.17%
13283	See Map North Half	1m talus grab. Same as 13282 except specular chlorite present.	6 ppb	0.02 oz/ton	0.01%	<0.01%	Cu: 0.07%
13284	See Map North Half	talus grab: creamy green. folded silicified chloritic schist which contains disseminated and blebby pyrite.	< 5 ppb	0.01 oz/ton	0.03%	0.01%	Cu: <0.01%

ROCK SAMPLE DESCRIPTION RECORD

Page: 3		Project: MPR	Location: NTS 105F/10,11				Operator: YKN
Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13285	Geo Zone North Half	.5m continuous chip of a foliated, silicified, dolostone. Quartz-calcite veins within contains tr-10% galena, pyrite, sphalerite and chalcopyrite. Sample bound by creamy phyllite.	8 ppb	0.24 oz/ton	0.67%	4.47%	Cu: 0.02%
13286	Geo Zone North Half	.5m continuous chip same as 13285	12 ppb	0.30 oz/ton	0.36%	5.62%	Cu: 0.03%
13287	Geo Zone North Half	Hanging and footwall of sheared phyllite and silicious dolostone. Pyrite occurrs cubic and disseminated throughout as does galena and sphalerite.	< 5 ppb	0.02 oz/ton	0.03%	0.28%	Cu: <0.01%
13288	North Half	Grab sample vuggy sheared limonitically stained brecciated dolomite which contains tr-1% disseminated/blebby galena.	< 5 ppb	0.68 oz/ton	1.34%	12.2%	Cu: 0.03%

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
13289	See Map North Half	Talus grab: silicified brecciated dolstone, 2m X 100m talus train	9 ppb	0.02 oz/ton				
13290	See Map North Half	2m grab: weathered vuggy limestone with drusy calcite cavities	<5 ppb	<0.01 oz/ton				
13291	See Map North Half	1m chip: same as 13290, pebbled layer 10cm wide	<5 ppb	<0.01 oz/ton				
13292	See Map North Half	creek float: fossiliferous marbleized limestone which contains trace -5% pyrite and disseminated sphalerite	5 ppb	0.03 oz/ton	0.05%	0.01%	Cu: <0.01%	
13293	See Map North Half	2m continuous chip: grey to black, sheared, marbleized limestone with 3-5% disseminated sphalerite and pyrite, some minor leaching	12 ppb	<0.01 oz/ton	0.01%	0.02%	Cu: <0.01%	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13294	See Map North Half	2.0m chip: same rock as 13293	<5 ppb	0.01 oz/ton	0.01%	<0.01%	Cu: <0.01%
13295	Jenny Oxide	Ketza sample, B. Fowler	37 ppb	0.08 o.p.t.	0.05%	0.24%	Cu: 0.05%
13296	See Map North Half	grab sample: limonitic sheared phyllite with chlorite throughout. Trace -2% disseminated pyrite associated with calcite	7 ppb	<0.1 ppm	15 ppm	74 ppm	Cu: 43 ppm
13297	See Map North Half	grab sample: sheared chloritic phyllitic schist with trace -2% chalcopyrite pyrite which is associated with calcite/chlorite	11 ppb	<0.01 o.p.t	0.01%	0.01%	Cu: 0.01%
13298	See Map North Half	grab sample: sheared, limonitic, chloritic rich phyllitic schist with trace -1% disseminated pyrite	7 ppb	<0.1 ppm	11 ppm	32 ppm	Cu: 418 ppm

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
13299	See Map North Half	grab sample: carbonate seams in a pale green phyllite. Well formed pyrite cubes up to 15mm, trace chalcopyrite	11 ppb	0.1 ppm	18 ppm	56 ppm	Cu: 217 ppm	
13300	Geo Showing North Half	1.5m X 2.5m panel sample trace -10% sphalerite, pyrite, chalcopyrite ± arsenopyrite occurs along calcite-carbonate seams in a silicieous gneissic dolomite	10 ppb	0.10 o.p.t.	0.44%	1.41%	Cu: <0.01%	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13351	See Map North Half	2m chip: banded phyllites occur within a carbonate, minor chloritic staining, trace -1% disseminated galena, pyrite, south (hangingwall) Geo zone	10 ppb	0.8 ppm	765 ppm	3550 ppm	Cu: 27 ppm
13352	See Map North Half	grab: pale creamy green phyllite with interbedded carbonates, trace -1% galena, pyrite	< 5 ppb	0.4 ppm	365 ppm	255 ppm	Cu: 14 ppm
13353	See Map North Half	sheared, chloritic, weakly limonitic phyllite with trace -3% blebby pyrite ± chalcopyrite. 130/90, 50cm wide vein	< 5 ppb	<0.01 o.p.t.	0.04%	0.01%	Cu: < 0.01%
13354	See Map North Half	.8m chip: dark brown chloritically altered vein?? pod?? with trace -1% pyrite, sphalerite throughout	5 ppb	<0.01 o.p.t.	0.02%	∠0.01%	Cu: <0.01%

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13355	See Map North Half	grab: dark green phyllite with interbedded carbonates, some patches of cubic pyrite (5 mm cubes)	< 5 ppb	<0.1 ppm	11 ppm	53 ppm	Cu: 55 ppm
13356	See Map North Half	grab: weak gneissic textured carbonate phyllite which contains trace -1% disseminated pyrite along fractures in quartz-carbonate veins, some minor epidote patches	<5 ppb	0.1 ppm	18 ppm	84 ppm	Cu: 263 ppm
13357	TRI-1 North Half	grab: 2-5% disseminated galena occurs within a dolostone, no vugs or fracturing	9 ppb	1.31 o.p.t.	0.69%	1.20%	
13358	TRI-2 Trench Sample North Half	grab: 15-20% galena stringers within a dolostone	168 ppb	50.7 o.p.t.	18.9%	4.46%	

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
13359	See Map North Half	grab: limonitic vuggy ferrocrete	30 ppb	22.3 ppm	2960 ppm	5400 ppm	Hg: 515 ppb	As: >1000 ppm
13360	See Map North Half	grab: vuggy limonitic brecciated limestone with minor quartz stringers	20 ppb	2.1 ppm	251 ppm	164 ppm	Hg: 40 ppb	As: 80 ppm
13361	Road 1 North Half	grab: limonitic stained fractured and recemented shale with hydrozincite staining	72 ppb	0.03 o.p.t.	0.02%	0.11%		
13362	See Map North Half	grab: cubic pyrite shot into a gossanous hornfelsed shale	<5 ppb	0.02 o.p.t.	0.01%	0.02%	Cu: <0.01%	
13363	John Witham Showing	grab: silicified green stained calc-silicate	14 ppb					

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
13364	John Witham Showing	grab: same as 13363 less green staining	12 ppb					
13365	See Map South Half	grab: quartz carbonate vein material within a phyllite, trace -1% blebby pyrite with some minor hematite	<5 ppb	2.6 ppm				
13366	See Map South Half	talus grab: banded rusty coloured quartz-carbonate phyllite with trace -1% pyrite throughout	5 ppb	0.5 ppm				
13367	See Map South Half	.5m chip: folded carbonate-phyllite with trace -1% pyrite and hematitic staining	<5 ppb	0.4 ppm				

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13368	See Map South Half	grab: diorite sill?? dyke??		** see assay sheets **			Co: 20 ppm Cr: 63 ppm Cu: 41 ppm Ni: 30 ppm
13369	See Map South Half	0.8 m grab: disseminated pyrite, hematite occurrs within a quartz carbonate veined phyllite	<5 ppb	0.6 ppm			
13370	See Map South Half	grab .8m: quartz carbonate with disseminated pyrite in phyllites	<5 ppb	0.1 ppm			
13371	See Map South Half	talus grab: interbedded carbonate in folded phyllites contains specular and blebby sericite, trace -1% pyrite and possible scorodite staining, some minor manganese staining also present	324 ppb	0.5 ppm	14 ppm	42 ppm	As: 96 ppm Cu: 34 ppm Hg: 90 ppb Mo: 1 ppm Sb: <5 ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
13372	See Map South Half	talus grab: sheared reddish-brown limonitically stained phyllite	82 ppb	0.5 ppm 0.02 ppm	51 ppm	225 ppm	
13373	See Map South Half	grab: rusty brown coloured gossanous rock, extremely weathered some quartz fragments	6 ppb	20.7 ppm 0.68 oz/ton 0.48 oz/ton	0.69%	0.52%	
13374	See Map South Half	talus grab: fine grained pyrite in a gossanous tuff-like rock	25 ppb	1.5 ppm			
13375	See Map South Half	talus grab: manganese stained limestone with trace sphalerite throughout, has brecciated appearance due to weathering		L.T.	0.01%	L.T.	Cu: L.T.

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77501	J.T. ZONE North Half	Grab; sheared quartz vein with arsenopyrite and oxidized arsenides	841 ppb	>50.0 ppm / 4.90 oz/ton	7198 ppm	53 ppm	As: >2000 ppm Hg: 15 ppb *see assay sheets*	
77502	J.T. ZONE North Half	Grab: Quartz vein with 3-5% disseminated arsenopyrite and oxidized arsenides	1041 ppb / 0.031 oz/ton	>50.0 ppm / 3.04 oz/ton	4254 ppm	80 ppm	As: >2000 ppm Hg: 20 ppb *see assay sheets*	
77503	J.T. ZONE North Half	Grab; stained carbonaceous phyllite with dolomite inclusions, disseminated pyrite throughout.		<0.01 oz/ton				
77504	J.T. ZONE North Half	1.0 m chip sample, sheared quartz arsenopyrite vein with gouge	492 ppb	>50.0 ppm / 2.31 oz/ton	2932 ppm	212 ppm	As: 2000 ppm Hg: 25 ppb *see assay sheet*	
77505	J.T. ZONE (seep area) North Half	Grab; silicified phyllite with 1% disseminated pyrite, east of J.T. zone.	5 ppb	0.1 ppm / 0.01 oz/ton	47 ppm	70 ppm		

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77506	See Map South Half	Grab; phyllite with trace -2% disseminated chalcopyrite, pyrite throughout.	5 ppb	0.1 ppm			Cu: 88 ppm
77507	See Map South Half	Grab; phyllite with trace amounts of disseminated and blebby pyrite ± chalcopyrite	<5 ppb	0.4 ppm			Cu: 102 ppm
77508	See Map South Half	Grab; phyllite with quartz sweats, trace -1% disseminated pyrite	8 ppb	<0.1 ppm			
77509	See Map South Half	phyllite with a biotite/feldspar stage	<5 ppb	0.1 ppm 0.01 oz/ton	83 ppm	65 ppm	
77510	See Map South Half	grab; phyllite	<5 ppb	<0.1 ppm			

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77511	See Map South Half	Grab; phyllite, trace -1% disseminated pyrite	5 ppb	0.2 ppm			
77512	See Map North Half	Grab; vuggy, brecciated dolomite with 2-5% galena	6 ppb	36.9 ppm 1.36 oz/ton 1.03 oz/ton	3.68%	0.02%	
77513	See Map (Pass Peak area) North Half	Grab; disseminated galena, sphalerite in a fractured dolomite		0.01 oz/ton	0.01%	<0.01%	
77514	See Map North Half	Grab; trace -1% disseminated galena,? pyrite? occurs in a fractured hornsfelsed? dolostone		<0.01 oz/ton	0.02%	<0.01%	
77515	See Map North Half	Grab; banded phyllite with trace -1% disseminated galena, pyrite	7 ppb	7.9 ppm 0.26 oz/ton	2980 ppm	28 ppm	

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77516	J.W. ZONE North Half	Grab: leached cap rock, which contains trace -1% disseminated sulfides	14 ppb	0.5 ppm	55 ppm	13 ppm	As: 95 Cu: 33 Hg: 40 Mo: 3 Sb: 10	ppm ppm ppb ppm ppm
77517	See Map (Pass Peak) North Half	Grab: 2m chip, buggy limestone with a black manganese? staining	6 ppb	<0.1 ppm	7 ppm	34 ppm		
77518	See Map North Half	Grab: leached, chalk like beige rock: 1m + 0.7m x 4m talus, ridge above Timmy Creek	8 ppb	5.4 ppm	459 ppm	2888 ppm	As: 1399 Cu: 136 Hg: 245 Mo: 7 Sb: 63	ppm ppm ppb ppm ppm
77519	See Map (Timmy Creek Area) North Half	float grab: dolomite which contains bleeby and disseminated pyrite ± sphalerite	<5 ppb	<0.1 ppm	7 ppm	25 ppm		
77520	See Map North Half	float grab: brown chalky rock possibly hissingerite? No visible sulfides.	5 ppb	0.5 ppm	5 ppm	280 ppm	As: 2000 Cu: 86 Hg: 900 Mo: 3 Sb: 136	ppm ppm ppb ppm ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77521	See Map (Timmy Creek Area) North Half	grab: sheared, gossanous phyllite with trace -10% pyrite, chalcopyrite, arsenopyrite, disseminated and blebby	12 ppb	0.09 oz/ton			Cu: 0.08%
77522	See Map North Half	grab: Trace -2% tetrahedrite occurs in quartz vein, malachite staining present	8 ppb	0.19 oz/ton	0.20%	0.06%	
77523	CO ZONE North Half	grab: replacement galena occurs along fractures in a vuggy limestone	6 ppb	1.75 oz/ton	5.25%	20.8 %	
77524	See Map North Half	grab: sheared, limonitic phyllite	<5 ppb	1.3 ppm	602 ppm	2670 ppm	As: 131 ppm Cu: 77 ppm Hg: 225 ppb Mo: 9 ppm Sb: 15 ppm
77525	See Map North Half	grab: gossanous limestone	6 ppb	0.6 ppm	35 ppm	105 ppm	As: 94 ppm Cu: 18 ppm Hg: 30 ppb Mo: <1 ppm Sb: <5 ppm

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77526	Timmy Creek North Half	grab: phyllite	<5 ppb	0.1 ppm				
77527	Timmy Creek North Half	grab: gossanous phyllite with trace -1% disseminated pyrite	9 ppb	3.1 ppm				
77528	Timmy Creek North Half	grab: sheared, gossanous phyllite	13 ppb	3.3 ppm				
77529	Timmy Creek North Half	grab: disseminated pyrite, tetrahedrite occurs in a silicified limestone, malachite staining throughout	26 ppb	0.19 oz/ton	<0.01%	0.01%	Cu: 0.11%	
77530	See Map North Half	grab: barren limestone with trace pyrite (cubic)		0.01 oz/ton	L.T.	L.T.		
77531	See Map Timmy Creek North Half	grab: dark blue limestone featureless		0.01 oz/ton	L.T.	0.01%		

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77532	See Map North Half	grab: weakly platy, calcite veined limestone, with trace amounts of disseminated pyrite	<5 ppb	<0.1 ppm			
77533	J.W. ZONE North Half	1.2m chip: disseminated pyrite, sphalerite less than 1.0%; occurs in a marbleized dolostone		0.01 oz/ton	0.01%	0.05%	
77534	J.W. ZONE North Half	1.0m chip: same as 77533	7 ppb	L.T.	L.T.	L.T.	
77535	J.W. ZONE North Half	1.2m chip: same as 77538	6 ppb	L.T.	L.T.	L.T.	
77536	J.W. ZONE North Half	1.3m chip: same as 77533		0.01 oz/ton	L.T.	L.T.	
77537	J.W. ZONE North Half	1.36m chip: same as 77533	5 ppb	L.T.	L.T.	L.T.	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77538	J.W. ZONE North Half	1.6m chip: trace -10% disseminated pyrite, sphalerite in a fractured, marbleized dolostone	10 ppb	L.T.	L.T.	L.T.	
77539	J.W. ZONE North Half	1.1m chip:		L.T.	L.T.	L.T.	
77540	J.W. ZONE North Half	.7m chip:	8 ppb	L.T.	L.T.	L.T.	
77541	J.W. ZONE North Half	1.2m chip:	<5 ppb	L.T.	L.T.	L.T.	
77542	J.W. ZONE North Half	1.4m chip:		L.T.	L.T.	L.T.	
77543	J.W. ZONE North Half	1.4 chip: trace -2% disseminated pyrite, sphalerite, occurs within a refractured, marbleized limestone		L.T.	0.04%	L.T.	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77544	J.W. ZONE North Half	1.2m chip: trace -2% disseminated pyrite, sphalerite occurs in fractures within a marbleized dolostone		L.T.	L.T.	L.T.	
77545	J.W. ZONE North Half	1.2m chip:		L.T.	L.T.	L.T.	
77546	J.W. ZONE North Half	1.1m chip:		L.T.	0.01%	0.01%	
77547	J.W. ZONE North Half	grab: 5-10% disseminated sphalerite, pyrite occurs in a fractured, marbleized dolostone	13 ppb	0.01 oz/ton	L.T.	L.T.	
77548	See Map South Half	1m chip: narrow (15cm) quartz-calate with disseminated poorly formed pyrite ± chalcopyrite, weakly gossanous	202 ppb	0.01 oz/ton	0.01%	0.01%	Cu: 0.01%

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77549	Valerie Showing South Half	grab: disseminated, blebby pyrite, chalcopyrite tetrahedrite (trace -10%) occurs within a dolostone; malachite and agurite staining throughout	87 ppb	0.40 oz/ton	0.01%	0.14%	Cu: 0.54%	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77551	See Map North Half	grab: quartz-carbonate veins within a black phyllite; contains blebby disseminated pyrite	124 ppb	0.2 ppm			
77552	See Map North Half	grab: sheared, chlortic phyllite	179 ppb	<0.1 ppm			
77553	Bighorn Zone North Half	grab: massive, brown sphalerite with a trace of pyrite, chalcopyrite; occurs within a chloritic host rock	42 ppb	0.1 ppm	6 ppm	1100 ppm	Cu: 280 ppm
77554	See Map North Half	grab: chloritic and sheared, veined phyllite trace sphalerite?; Bighorn style rock	126 ppb	<0.1 ppm	3 ppm	36 ppm	Cu: 14 ppm
77555	See Map North Half	grab: strongly serecitized platey phyllite with trace -5% weakly cubic pyrite throughout	7 ppb	<0.1 ppm	5 ppm	220 ppm	Cu: 80 ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77556	See Map North Half	grab: quartz-carbonate-sericitic grit unit within a phyllite?	7 ppb	<0.1 ppm			
77557	See Map North Half	grab: galena occurs within a mangenese stained, limonitic dolomite	41 ppb	9.25 oz/ton	11.0%	29.7%	
77558	See Map North Half	grab: calate veined limestone, carbonate stained	7 ppb	1.7 ppm	503 ppm	1220 ppm	
77559	See Map North Half	grab: brownish-orange carbonaceous phyllite with trace -5% disseminated, weakly cubic pyrite	6 ppb	0.9 ppm	173 ppm	357 ppm	
77560	See Map North Half	grab: trace -5% galena occurs within a weathered, limonitically stained dolostone, vuggy and weak calcite veining	463 ppb	5.69 oz/ton	4.98%	0.50%	
77561	Bighorn Zone North Half	grab: as per 77553	42 ppb	*Assay for PGM,			*see assay sheets*

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77561	See Map North Half	grab: same as 77553						

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			Au	Ag	Pb	Zn	Other	
77576	J.T. Showing	1.2m chip: quartz arsenopyrite vein in a sheared phyllite, gouge and sheared phyllite contains trace -1% disseminated pyrite	320 ppb	>50.0 ppm 1.35 ppm oz/ton	1902 ppm	179 ppm	As:>2000 Hg: 20 *see assay sheets*	ppm ppb
77577	J.T. Showing	1.0m chip: sheared phyllites hosts a quartz arsenopyrite vein with a reddish brown pyrite-carbonate gouge	1302 ppb 0.047 oz/ton	>50.0 ppm 12.46 oz/ton	>10000 1.42%	2817 ppm	As:>2000 Cu: 212 Hg: 20 *see assay sheets*	ppm ppm ppb
77578	J.T. Showing	.8m chip: disseminated pyrite, arsenopyrite in a quartz veined shear within a phyllite. Approximately 70% gouge	357 ppb	50.0 ppm 1.93 oz/ton	3289 ppm	2918 ppm	As: 2000 Cu: 418 Hg: 70 *see assay sheets*	ppm ppm ppb

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77579	J.T. ZONE	0.7m chip: quartz vein (less than 10cm) within a sheared phyllite trace -1% pyrite, arsenopyrite mostly gouge - very little quartz vein remaining	91 ppb	9.2 ppm 0.29 oz/ton			As:>2000 As: 4.68%	ppm
77580	J.T. ZONE	.5m chip: gouge with minor quartz vein clasts, trace pyrite	123 ppb	11.9 ppm 0.39 oz/ton			As:>2000 As: 7.97%	ppm
77581	J.T. ZONE	.2m chip: deep reddish brown shear gouge with phyllite fragments, trace -2% disseminated pyrite in phyllites	76 ppb	11.6 ppm 0.36 oz/ton			As: 2000 As: 1.08%	ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77582	See Map South Half	talus grab: disseminated and massive galena, pyrite, chalcopyrite, sphalerite within a carbonate phyllite contact, bornite and malachite staining	103 ppb	50.0 ppm 5.58 oz/ton	10000 ppm 7.19%	20000 ppm 5.65%	As: > 2000 ppm Cu: 1273 ppm Hg: 90 ppb *see assay sheets*
77583	See Map North Half	grab: limestone and quartz vein with blebby tetrahedrite; malachite and azurite staining, fresh looking rock	15 ppb	1.95 oz/ton	0.01%	0.03%	Cu: 0.36%
77584	See Map North Half	float grab: trace -10% blebby to disseminated pyrite, chalcopyrite within a sheared, limonitic phyllite, minor malachite, azurite ± mariposite staining	1453 ppb 0.016 oz/ton	>50.0 ppm 1.66 oz/ton			Cu: > 20000 ppm 4.02%

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77585	See Map South Half	grab: dark orange brown limonitically stained, limestone-quartz-shale contact, trace -1% disseminated pyrite, sphalerite	199 ppb	36.2 ppm 1.06 oz/ton 1.22 oz/ton	430 ppm 0.06%	1800 ppm 0.17%		
77586	See Map South Half	grab: sugary, gossanous serecitic sandstone with carbonate shot throughout, trace -2% pyrite, galena, sphalerite	6 ppb	1.6 ppm 0.05 oz/ton	125 ppm	20 ppm		
77595	See Map North Half	float grab: galena in a vuggy limonitic dolomite	42 ppb					
77596	See Map North Half	grab: disseminated galena, sphalerite occurs within a buggy limonitically stained limestone	7 ppb					
77597	See Map North Half	grab: reddish brown crusty dolomite with manganese staining	< 5 ppb	< 0.1 ppm	31 ppm	142 ppm		

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77598	See Map North Half	grab: see 77597	5 ppb	0.9 ppm	536 ppm	30 ppm		
77599	J.T. Showing	grab:	599 ppb	74 ppm 2.01 oz/ton		540 ppm		
			see assay sheets for 30 element results					
77600	J.T. ZONE	grab:	605 ppb	40 ppm 1.10 oz/ton		330 ppm		
			see assay sheets for 30 element results					

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77626	HO Showing Trench 2	grab: quartz vein with trace -10% malachite, azurite, trace -2% tetrahedrite, galena within a narrow (less than 30cm) vein	20 ppb	4.05 oz/ton	1.22%	0.02%	Cu: 0.18%
77627	HO Showing North Trench	chip 2.5m: massive galena; source is narrow (less than 10cm) stringers and pods	9 ppb	74.4 oz/ton	85.0%	0.04%	
77628	See Map North Half	grab: trace -1% disseminated galena within a sheared, quartz veined carbonate within shales. Some quartz in vugs and quartz crystals	17 ppb	0.54 oz/ton	0.92%	3.63%	
77629	Regional (B. Buchanan)	grab: hornsfelsed gossanous metasediment which contains trace -30% pyrite, chalcopyrite, pyrrhotite and bornite	5 ppb	5.3 ppm	1955 ppm	130 ppm	As: 210 ppm Cu: 77 ppm Hg: 15 ppb Mo: 2 ppm Sb: <5 ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77630	Regional (B. Buchanan)	grab: same as 77629 except less pyrrhotite, serecitic alteration present and amorphous quartz present, trace amounts of arsenopyrite also	<5 ppb	1.2 ppm	127 ppm	130 ppm	As: <5 ppm Cu: 73 ppm Hg: 15 ppb Mo: <1 ppm Sb: <5 ppm
77631	Regional (B. Buchanan)	grab: disseminated chalcopyrite, pyrrhotite, bornite occurs within iron stained rock	<5 ppb	0.5 ppm	33 ppm	46 ppm	As: 31 ppm Cu: 377 ppm Hg: 10 ppb Mo: 4 ppm Sb: <5 ppm
77632	Regional (B. Buchanan)	grab: metased (quartzite?) with 5-10% disseminated pyrite, some minor chloritic staining present	<5 ppb	0.7 ppm	39 ppm	222 ppm	As: <5 ppm Cu: 74 ppm Hg: 15 ppm Mo: <1 ppm Sb: <5 ppm
77633	Regional (B. Buchanan)	grab: same as 77630	5 ppb	** Assayed for PGM, see assay sheets**			

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77634	Regional (B. Buchanan)	grab: same as 77632	<5 ppb	**assayed for PGM, see assay sheets**			
77635	Regional (B. Buchanan)	grab: same as 77631	<5 ppb	**assayed for PGM, see assay sheets**			
77636	Regional (B. Buchanan)	grab: same as 77629	<5 ppb	**assayed for PGM, see assay sheets**			
77637	See Map	grab: gossanous, sheared, phyllite, with trace -1% disseminated pyrite	<5 ppb	1.0 ppm	58 ppm	70 ppm	As: <5 ppm Cu: 45 ppm Hg: 5 ppb Mo: <1 ppm Sb: <5 ppm
77638	See Map	grab: 5% disseminated pyrite, pyrrhotite and occurs within a sheared phyllite	<5 ppb	0.9 ppm	45 ppm	32 ppm	As: <5 ppm Cu: 94 ppm Hg: 10 ppb Mo: <1 ppm Sb: <5 ppm
77639	M ZONE	grab: 2% galena occurs along fractures within a grey-blue dolostone	195 ppb	32.1 oz/ton	47.7%	0.04%	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77640	M ZONE	grab: blebs of massive galena occurs within a blue limestone	20 ppb	47.8 oz/ton	72.0%	0.03%	
77641	See Map North Half	grab: narrow (less than 4cm) sheared vein (possibly diorite dyke related) with 5% arsenopyrite and trace -1% pyrite and chalcopyrite	452 ppb	0.20 oz/ton	0.78%	<0.01%	Cu: <0.01% As: 14.51%
77642	HO ZONE Trench #3	grab: blebby galena occurs in a refractured and silicified, brecciated dolomite	7 ppb	1.22 oz/ton	3.18%	9.95%	
77643	HO ZONE Trench #1	grab: massive galena occurs within a 4cm wide vein within dolomite	33 ppb	36.0 oz/ton	46.8%	3.55%	
77644	HO ZONE	grab: orange stained, blue crystalline dolostone with trace -1% disseminated pyrite		0.38 oz/ton	0.55%	0.07%	

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77645	HO ZONE	grab: rusty coloured, fractured dolostone with trace -1% galena, sphalerite along fractures		0.55 oz/ton	0.24%	14.25%		
77646	HO ZONE Trench #1	grab: 2% disseminated, blebby galena replacement along fractures in a fractured dolostone	6 ppb	4.08 oz/ton	9.20%	8.15%		
77647	HO ZONE Trench #1	grab: gossanous dolostone		0.47% oz/ton	1.17%	2.67%		
77648	HO ZONE Trench #1	grab: malachite stained, refractured dolostone with trace -1% disseminated galena	166 ppb	24.7 oz/ton	8.00%	3.44%	Cu: 0.55%	

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77649	Valerie Zone Trench Sample	grab: blebby tetrahedrite ± galena occur within a marbleized dolostone some malachite staining	15 ppb	0.20 oz/ton	0.08%	0.06%	Cu: 0.10%
77650	J.T. ZONE	grab: calcified diorite dyke?	18 ppb	** assayed for PGM, see assay sheets**			
77651	Pass Peak Upper Trench North Half	grab: green blue dyke like rock with trace -2% cubic to disseminated pyrite throughout	<5 ppb	0.5 ppm	61 ppm	77 ppm	As: 5 ppm Cu: 36 ppm Hg: 12 ppb Mo: 3 ppm Sb: 9 ppm
77652	Pass Peak Upper Trench North Half	grab: limonitic, weakly phyllitic blocky dolostone with trace -1% disseminated pyrite	<5 ppb	0.6 ppm	180 ppm	470 ppm	
77653	Pass Peak Upper Trench North Half	grab: narrow (1cm) vein of bladed galena in a silceous limonitic dolostone	76 ppb	5.83 oz/ton	6.50%	0.32%	

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77654	Pass Peak Upper Trench North Half	grab: siliceous green-grey dolostone with 1% disseminated pyrite throughout, trace -1% platey galena occurs along fractures, some limonitic and clay alteration present	<5 ppb	0.89 oz/ton	1.09%	0.09%	
77655	Pass Peak Upper Trench North Half	grab: dyke rock with trace -2% disseminated and weakly cubic pyrite throughout, some limonitic staining	<5 ppb	<0.5 ppm	106 ppm	229 ppm	As: 13 ppm Cu: 72 ppm Hg: 5 ppb Mo: 2 ppm Sb: 14 ppm
77656	Pass Peak Upper Trench North Half	grab: limonitic dolostone with trace amounts of disseminated pyrite, very heavy rock	<5 ppb	0.3 ppm	52 ppm	228 ppm	
77657	Pass Peak Upper Trench North Half	grab: quartz-galena ± tetrahedrite vein in a shear zone, some malachite and limonite staining	228 ppb	13.6 oz/ton	23.2%	7.80%	Cu: 0.64%
77658	Pass Peak Upper Trench North Half	grab: dark blue dolostone with calcite stringers, trace amounts of galena, pyrite	<5 ppb	1.11	1.10%	0.71%	Cu: 0.07%

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77659	SP ZONE North Half	grab: blue-grey dolostone with trace blebby galena in fractures	<5 ppb	0.9 ppm	254 ppm	856 ppm	
77660	SP ZONE Lower Trench North Half	grab: trace -1% disseminated to blebby galena occurs along fractures in a limonitically stained blue limestone	<5 ppb	0.28 oz/ton	0.74%	0.08%	
77661	SP ZONE Lower Trench North Half	same as 77659	<5 ppb	4.0 ppm	2310 ppm	3620 ppm	
77662	See Map North Half	grab: quartz arenite? sugary white, hard with some veining and vuggy cavities	<5 ppb	0.7 ppm	61 ppm	38 ppm	As: 29 ppm Cu: 4 ppm Hg: <5 ppb Mo: <1 ppm Sb: <5 ppm
77663	See Map North Half	grab: sheared contact phyllite, and limestone with secondary calcite veining	<5 ppb	1.4 ppm	91 ppm	57 ppm	As: 22 ppm Cu: 14 ppm Hg: 35 ppb Mo: 1 ppm Sb: 15 ppm

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77664	See Map North Half	float grab: rusty stained smooth mudstone with limonitic staining and disseminated trace amounts of pyrite	13 ppb	0.6 ppm	42 ppm	<1 ppm	As: 143 ppm Cu: 35 ppm Hg: 50 ppb Mo: <1 ppm Sb: 6 ppm	
77665	See Map North Half	grab: rusty weathering marbleized dolostone, grey on fresh surface	10 ppb	<0.5 ppm	13 ppm	25 ppm	As: 68 ppm Cu: 2 ppm Hg: 15 ppb Mo: <1 ppm Sb: 8 ppm	
77666	See Map North Half	grab: disseminated pyrite, arsenopyrite ± chalcopyrite, occurs within a vuggy gossonous limestone	5 ppb	0.6 ppm	39 ppm	<1 ppm	As: 96 ppm Cu: 23 ppm Hg: 35 ppb Mo: <1 ppm Sb: 11 ppm	
77667	Jerry Zone Trench North Half	grab: dark, rusty brown limestone in fault zone	18 ppb	2.6 ppm	2076 ppm	507 ppm	As: >2000 ppm Cu: 579 ppm Hg: 580 ppb Mo: 6 ppm Sb: 306 ppm	
77668	Jerry Zone Trench North Half	grab: sheared, limonitic dolostone, vuggy cavities, wavy texture, may be fold related	48 ppb	0.8 ppm	721 ppm	117 ppm	As: 842 ppm Cu: 40 ppm Hg: 295 ppb Mo: 1 ppm Sb: 71 ppm	

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
77669	Jerry Zone Trench North Half	grab: see 77668 fault brecciated dolostone	6 ppb	<0.5 ppm	13 ppm	47 ppm	As: 290 ppm Cu: 48 ppm Hg: 50 ppb Mo: <1 ppm Sb: 5 ppm	
77670	Jerry Zone Trench North Half	grab: se 77669	13 ppb	<0.5 ppm	12 ppm	94 ppm	As: 278 ppm Cu: 102 ppm Hg: 85 ppb Mo: 1 ppm Sb: 16 ppm	
77671	Jerry Zone Trench North Half	grab: see 77669	47 ppb	<0.5 ppm	20 ppm	156 ppm	As: 659 ppm Cu: 176 ppm Hg: 125 ppb Mo: 3 ppm Sb: 29 ppm	
77672	Jerry Zone Trench North Half	grab: see 77669	84 ppb	<0.5 ppm	34 ppm	736 ppm	As: >2000 ppm Cu: 196 ppm Hg: 230 ppb Mo: 7 ppm Sb: 61 ppm	
77673	HO Trench #3 North Half	grab: brecciated dolostone with phyllitic fragments some limonitic staining and a trace of sulfides	<5 ppb	1.1 ppm	430 ppm	2331 ppm	As: 74 ppm Cu: 134 ppm Hg: 1900 ppb Mo: <1 ppm Sb: 14 ppm	

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77674	HO Trench North Half	grab: limonitic clay altered dolostone with trace amounts of disseminated sulfides	6 ppb	2.7 ppm	52 ppm	128 ppm	As: 94 ppm Cu: 15 ppm Hg: 30 ppb Mo: 1 ppm Sb: 11 ppm
77675	HO Trench #1 North Half	grab: galena vein	<5 ppb	87.7 oz/ton	72.6%	2.75%	
77676	HO Trench #1 North Half	grab: fractured, brecciated, with replacement galena, sphalerite, in a clay altered, limonitic dolostone, some minor calcite along fractures	<5 ppb	2.50 oz/ton	4.59%	12.0 %	
77677	SP Zone Lower Trench North Half	grab: platey grey dolostone	<5 ppb	3.4 ppm	656 ppm	500 ppm	
77678	See Map North Half	grab: greenish clay along roadcut	<5 ppb	0.8 ppm	70 ppm	748 ppm	As: < 5 ppm Cu: 97 ppm Hg: 20 ppb Mo: <1 ppm Sb: <5 ppm

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Sample No.	Location	Description	Analytical Results				
			Au	Ag	Pb	Zn	Other
77679	See Map South Half	grab: sheared, phyllite with graphite; sugary calcite and a speckled emerald green mineral (mariposite??)	5 ppb	1.3 ppm	200 ppm	95 ppm	As: 133 ppm Cu: 211 ppm Hg: 20 ppb Mo: 4 ppm Sb: 7 ppm
77680	Valerie Trench	trench sample: chalcopyrite, tetrahedrite, galena ± pyrite in a calcite-quartz vein within a marbleized limestone	34 ppb	0.35 oz/ton	0.06%	0.03%	Cu: 0.12%
77681	Jerry Zone North Half	grab: dark blue brecciated, calcite veined dolostone with some vuggy sections	172 ppb	0.50 ppm	54 ppm	55 ppm	As: 114 ppm Cu: 13 ppm Hg: 35 ppb Mo: 1 ppm Sb: 5 ppm
77682	See Map North Half	trench sample: brecciated dolostone with calcite filled vugs, some limonitic and scorodite staining present	20 ppb	<0.5 ppm	110 ppm	77 ppm	As: 396 ppm Cu: 16 ppm Hg: 70 ppb Mo: 5 ppm Sb: 16 ppm
77683	See Map North Half	grab: same as 77682	52 ppb	<0.5 ppm	50 ppm	16 ppm	As: 218 ppm Cu: 8 ppm Hg: 100 ppb Mo: 4 ppm Sb: 17 ppm

ROCK SAMPLE DESCRIPTION RECORD

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Sample No.	Location	Description	Analytical Results						
			Au	Ag	Pb	Zn	Other		
77684	See Map North Half	grab: limonitic stained dolostone?, an abundance of quartz eyes throughout	50 ppb	0.5 ppm	14 ppm	139 ppm	As: 790 ppm Cu: 55 ppm Hg: 150 ppb Mo: 28 ppm Sb: 26 ppm		
77685	See Map North Half	grab: weathered, vuggy, brecciated, limonitically stained shale-dolostone contact, silica shot in	6 ppb	2.2 ppm	57 ppm	2000 ppm 4.20%	As: 89 ppm Cu: 68 ppm Hg: 2250 ppb Mo: 1 ppm Sb: 5 ppm		
77686	See Map North Half	grab: greenish clay zone	17 ppb	0.5 ppm	12 ppm	376 ppm	As: 40 ppm Cu: 119 ppm Hg: 50 ppb Mo: 1 ppm Sb: 9 ppm		
77687	See Map North Half	grab: trace -3% disseminated galena, sphalerite occurs within a gritty pale green grey dolostone	37 ppb	0.25 oz/ton	0.34%	0.21%			

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Sample No.	Location	Description	Analytical Results					
			Au	Ag	Pb	Zn	Other	
	Pass Peak	"Blood" vein of Rob Showing		47.2 oz/ton				
	Pass Peak	"Sweat" vein of Rob Showing		151.0 oz/ton				
	Pass Peak	"Tears" vein of Rob Showing		41.2 oz/ton				
	Pass Peak	"Tracey" vein of Rob Showing		55.5 oz/ton				

APPENDIX 2

Certificates of Analysis

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone (604) 985-0681
Telex 04-352667

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Certificate of Analysis

REPORT: V88-07927.6 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Zn PCT
R2 77685		4.20

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au 30g PPB	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB
R2 77681			172	<0.5	114	13	1	54	5	55	35
R2 77682			20	<0.5	396	16	5	110	16	77	70
R2 77683			52	<0.5	218	8	4	50	17	16	100
R2 77684			50	<0.5	790	55	28	14	26	139	150
R2 77685			6	2.2	89	68	<1	57	<5	>20000	2250
R2 77686			17	<0.5	40	119	<1	12	9	376	50
R2 77687		37									

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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ATTN: [illegible]

PROJECT: MH PAGE 1

SAMPLE	ELEMENT	AU	AU 30G	MO	AG	PB	ZN
	UNITS	PPB	PPB	PPM	PPM	PPM	PPM
RE 77652			<5	15			
77653		<5			0.6	180	470
RE 77653		7+					
77654		<5					
77655			<5	5			
77656		<5			0.3	50	220
77657		11+					
77658		<5					
77659		<5			0.9	234	810
77660		5					
77661		<5			4.0	2310	3620
77662			<5	25			
77663			15	35			
77664			12	50			
77665			14	30			
77666			5	30			
RE 77667			12	500			
77668			46	295			
77669			6	50			
77670			13	80			
77671			47	135			
77672			64	230			
RE 77673			15	1900			
77674			6	30			
77675		45					
77676		<5					
77677		<5			3.4	636	500
77678			<5	20			
77679			<5	20			
77680		34					

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REPORT : V88-00826.0

PROJECT : MR

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Zn PPM
R2 77651			
R2 77652		180	470
R2 77653			
R2 77654			
R2 77655			
R2 77656		52	228
R2 77657			
R2 77658			
R2 77659		254	856
R2 77660			
R2 77661		2318	3628
R2 77662			
R2 77663			
R2 77664			
R2 77665			
R2 77666			
R2 77667			
R2 77668			
R2 77669			
R2 77670			
R2 77671			
R2 77672			
R2 77673			
R2 77674			
R2 77675			
R2 77676			
R2 77677		656	500
R2 77678			
R2 77679			
R2 77680			

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V7P 2R5
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REPORT: VAN 86896.0 | PROJECT: MPR | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au 3Hg PPB	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB	Ag PPM
R2 77651			<5	<0.5	<5	36	3	61	9	77	15	
R2 77652		<5										0.6
R2 77653		76										
R2 77654		<5										
R2 77655			<5	<0.5	13	72	2	106	14	229	5	
R2 77656		<5										0.3
R2 77657		228										
R2 77658		<5										
R2 77659		<5										0.9
R2 77660		<5										
R2 77661		<5										4.0
R2 77662			<5	0.7	29	4	<1	61	<5	38	<5	
R2 77663			<5	1.4	22	14	1	91	15	57	20	
R2 77664			13	0.6	143	35	<1	42	6	<1	50	
R2 77665			10	<0.5	68	2	<1	13	8	25	15	
R2 77666			5	0.6	96	23	<1	39	11	<1	35	
R2 77667			18	2.6	>20000	579	6	2076	306	507	580	
R2 77668			48	0.8	842	40	1	721	71	117	295	
R2 77669			6	<0.5	290	48	<1	13	5	47	50	
R2 77670			13	<0.5	278	102	1	12	16	94	85	
R2 77671			47	<0.5	659	176	3	28	29	156	125	
R2 77672			84	<0.5	>20000	196	7	36	61	736	230	
R2 77673			<5	1.1	74	134	<1	438	14	2321	1900	
R2 77674			6	2.7	94	15	<1	52	11	128	30	
R2 77675		<5										
R2 77676		<5										
R2 77677		<5										3.4
R2 77678			<5	0.8	<5	97	<1	78	<5	748	20	
R2 77679			<5	1.3	133	211	4	2100	7	95	20	
R2 77680		34										

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130 Pemberton Ave
North Vancouver, B.C.
Canada V7P 2R5
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REPORT: V88-06855.4 PROJECT: MPR PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 77641		14.51

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North Vancouver, B C
Canada V7P 2R5
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Telex 04-352667

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REPORT: V88-06855.6 PROJECT: MPR PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
R2 77599		2.01
R2 77600		1.10

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V7P 2R5
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Geochemical Lab Report

REPORT: V88-06855.1 | PROJECT: MPR | PAGE 10

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	Au 30g PPB	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB
R2 77516			14	<0.5	95	33	3	55	10	13	40
R2 77518			8	5.4	1399	136	7	459	63	2888	245
R2 77520			<5	<0.5	>20000	36	3	<5	136	280	900
R2 77524			<5	1.3	131	77	9	6112	15	2670	255
R2 77525			6	0.6	94	18	<1	35	<5	105	30
R2 77599		<500									
R2 77600		<500									
R2 77629			5	5.3	210	77	2	1955	<5	130	15
R2 77630			<5	1.2	<5	73	<1	127	<5	130	15
R2 77631			<5	0.5	31	377	4	33	<5	46	10
R2 77632			<5	0.7	<5	74	<1	39	<5	222	15
R2 77637			<5	1.0	<5	45	<1	58	<5	70	5
R2 77638			<5	0.9	<5	94	<1	45	<5	32	10

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REPORT: V88-06855.1 | PROJECT: MPR | PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Se PPM	Sm PPM	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM
R2 77516												
R2 77518												
R2 77520												
R2 77524												
R2 77525												
R2 77599		60	2.5	<200	<1	<1	<20	4.4	<1.3	68	<5	540
R2 77600		42	2.2	<200	<1	<1	<20	5.0	<1.2	<57	<5	330
R2 77629												
R2 77630												
R2 77631												
R2 77632												
R2 77637												
R2 77638												

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130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
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Geochemical Lab Report

REPORT: V88-06855.1 | PROJECT: MPR | PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM
R2 77516												
R2 77518												
R2 77520												
R2 77524												
R2 77525												
R2 77599		21.0	<2	<100	20	<0.5	<1	<2.20	<50	38	85.4	4.5
R2 77600		20.0	<2	<100	17	<0.5	<1	<1.90	<50	37	60.6	4.8
R2 77629												
R2 77630												
R2 77631												
R2 77632												
R2 77637												
R2 77638												

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North Vancouver, B.C.
V7P 2R5
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REPORT: V88-06855.1 | PROJECT: MPR | PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM
R2 77516												
R2 77518												
R2 77520												
R2 77524												
R2 77525												
R2 77599		599	74	>300000	2100	<215	<31	18	4100	150	3	<2
R2 77600		605	40	>300000	1900	<186	<27	24	1600	84	4	<2
R2 77629												
R2 77630												
R2 77631												
R2 77632												
R2 77637												
R2 77638												

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136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

REPORT: [illegible]

PROJECT: MPR PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30G PPB	AG PPM	AS PPM	CU PPM	MO PPM	PB PPM	SB PPM	ZN PPM	HG PPB
[illegible]		1*	<0.5	90	33	3	50	10	13	40
[illegible]		8	5.4	1399	136	7	459	63	2960	245
[illegible]		40	<0.5	>2000	36	3	<5	136	280	900
[illegible]		<5	1.3	161	77	9	602	15	2674	255
[illegible]		6	0.6	91	18	<1	30	<5	105	30
[illegible]										
[illegible]										
[illegible]		5	5.3	240	77	2	1957	<5	134	17
[illegible]		<5	1.2	45	76	1	107	<5	138	10
[illegible]		40	0.5	31	377	4	33	<5	41	10
[illegible]		<5	6.7	<5	74	<1	39	<5	220	10
[illegible]		<5	1.0	<5	45	<1	58	<5	70	5
[illegible]		<5	0.9	<5	94	<1	45	<5	32	10

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130 Pemberton Ave
North Vancouver, B C
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(604) 985-0681 Telex 04-352667

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Geochemical Lab Report

REPORT: V88-06855.1 PROJECT: MPR PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB
R2 77516		14
R2 77518		8
R2 77520		<5
R2 77524		<5
R2 77525		6
R2 77599		
R2 77600		
R2 77629		5
R2 77630		<5
R2 77631		<5
R2 77632		<5
R2 77637		<5
R2 77638		<5

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130 Pemberton Ave
North Vancouver, B C
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REPORT: V88-05678.5

PROJECT: MPR

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT
R2 13373			0.48	
R2 77512			1.03	
R2 77584		0.016	1.66	4.02
R2 77585			1.06	

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Geochemical
Lab Report

REPORT: VGX-[illegible].0

PROJECT: EAGLE FILE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	FE PCT
RL 7736		3.70	5.24

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Au PPB	Co PPM	Cu PPM	Ni PPM	Cr PPM	Ag PPM	Pb PPM	Zn PPM
R2 77534		7										
R2 77535		6										
R2 77537		5										
R2 77538		10										
R2 77540		8										
R2 77541		<5										
R2 77547		13										
R2 77548		202										
R2 77549		87										
R2 77551		124								0.2		
R2 77552		179								<0.1		
R2 77553		42					280			0.3	6	1100
R2 77554		126					14			<0.1	3	36
R2 77555		7					80			<0.1	5	220
R2 77556		7								<0.1		
R2 77557		41										
R2 77558		7								1.7	503	1220
R2 77559		6								0.9	173	357
R2 77560		463										
R2 77561			<15	10	42	7	84	40	768			

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North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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REPORT: V88-06855.0

PROJECT: MPR

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM	Au PPB	Ag PPM	Pb PPM	Zn PPM
R2 77517									6	<0.1	7	34
R2 77519									<5	<0.1	7	25
R2 77521									12			
R2 77522									8			
R2 77523									6			
R2 77597									<5	<0.1	31	142
R2 77598									5	0.9	536	30
R2 77626									20			
R2 77627									9			
R2 77628									17			
R2 77633		<15	10	5	18	117	68	70				
R2 77634		30	10	<5	11	47	71	36				
R2 77635		20	10	<5	29	123	194	108				
R2 77636		25	10	<5	25	139	58	114				
R2 77639									195			
R2 77640									20			
R2 77641									452			
R2 77642									7			
R2 77643									33			
R2 77646									6			
R2 77648									166			
R2 77649									15			
R2 77650		25	8	7	18	222	83	46				

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

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Geochemical Lab Report

REPORT: V88-05678.1 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pt PPB	Pd PPB	Au PPB	Co PPM	Cr PPM	Cu PPM	Ni PPM	Au PPB	Ag PPM	Pb PPM	Zn PPM
R2 13365									<5	2.6		
R2 13366									5	0.5		
R2 13367									<5	0.4		
R2 13368		<15	10	<5	20	63	41	30				
R2 13369									<5	0.6		
R2 13370									<5	<0.1		
R2 13372									82	0.5	51	225
R2 13373									6	20.7		
R2 13374									25	1.5		
R2 77505									<5	<0.1	47	70
R2 77506							88		5	0.1		
R2 77507							102		<5	0.4		
R2 77508									8	<0.1		
R2 77509									<5	0.1	83	65
R2 77510									<5	<0.1		
R2 77511									5	0.2		
R2 77512									6	36.9		
R2 77515									7	7.9	2980	28
R2 77526									<5	<0.1		
R2 77527									9	3.1		
R2 77528									13	3.3		
R2 77529									26			
R2 77532									<5	<0.1		
R2 77579									91	9.2		
R2 77580									123	11.9		
R2 77581									76	11.6		
R2 77583									15			
R2 77584							>20000		1453	>50.0		
R2 77585									199	36.2	430	1800
R2 77586									6	1.6	125	20

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o Yukon Minerals Corp.

Proj. MPR

REPORT NO. W88-6896

DATE Sept 20, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
77653	5.83		6.50	0.32					
77654	0.89		1.09	0.09					
77657	13.6	0.64	23.2	7.80					
77658	1.11	0.07	1.10	0.71					
77660	0.28		0.74	0.08					
77675	87.7		72.6	2.75					
77676	2.50		4.59	12.0					
77680	0.35	0.12	0.06	0.03					

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TO Yukon Minerals Corp.

Proj. MPR

REPORT NO. W88-7927

DATE Sept 28, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%							
	Ag	Pb	Zn							
77687	0.25	0.34	0.21							

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Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
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REPORT: V88-05678.4 | PROJECT: MPR |

SAMPLE NUMBER	ELEMENT UNITS	As PCT
R2 77579		4.68
R2 77580		7.97
R2 77581		1.08

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North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
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Geochemical
Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	As PPM
R2 77587		29	950
R2 77588		70	
R2 77589		241	
R2 77590		12	
R2 77591		147	
*R2 77592		7	
R2 77593		2210	
R2 77594		284	
R2 77595		42	
R2 77596		7	

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130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
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Certificate of Analysis

REPORT: V88-05678.6 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Pb PCT	Zn PCT
R2 77501			4.90		
R2 77502		0.031	3.04		
R2 77504			2.31		
R2 77576			1.33		
R2 77577		0.047	12.46	1.42	
R2 77578			1.93		
R2 77582			5.58	7.91	5.65

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
Canada V7P 2R5
Phone (604) 985-0681
Telex: 04-352667

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Geochemical Lab Report

REPORT: V88-05678.0 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB	Ag PPM	As PPM	Cu PPM	Mo PPM	Pb PPM	Sb PPM	Zn PPM	Hg PPB
R2 13371		324	<0.5	96	34	1	14	<5	42	90
R2 77501		841	>50.0	>2000	30	<1	7198	110	53	15
R2 77502		1041	>50.0	>2000	40	<1	4254	95	80	20
R2 77504		492	>50.0	>2000	80	<1	2932	46	212	25
R2 77576		320	>50.0	>2000	58	<1	1902	22	179	20
R2 77577		1302	>50.0	>2000	212	<1	>10000	138	2817	20
R2 77578		357	>50.0	>2000	418	<1	3289	31	2918	70
R2 77582		103	>50.0	>2000	1273	<1	>10000	152	>20000	90

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130 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical
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REPORT: VGR-00688.0 | PROJECT: KEIZA | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPT
RZ 77592		0.065

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Geochemical Lab Report

[illegible] PROJECT: MPR PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Sn PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPB	Y PPM	Zn PPM	Zr PPM
[illegible] 1024*		<30	16	<10	<20	<20	<1	<10	3	45	15

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136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
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Geochemical Lab Report

REPORT: VR2-1,6A0.1 | PROJECT: MPH | PAGE 1a

SAMPLE NUMBER	ELEMENT UNITS	CU PPM	GA PPM	LA PPM	LI PPM	MO PPM	NB PPM	NI PPM	PB PPM	RB PPM	SR PPM	S... PPM
RV 1324		35	<2	15	1	18	<1	<1	40	<50	<5	1.0

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136 Industrial Road
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Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

PROJECT: MPB PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	AG PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CD PPM	CO PPM	CU PPM	CR PPM
RE 1[illegible]		14	<0.5	581	<2	260	6.6	<2	1	35	<2	12

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Yukon Minerals Corp.

Proj. MPR

REPORT NO. W88-6855

DATE Sept 12, 1988

hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
77521	0.09	0.08								
77522	0.19		0.20	0.06						
77523	1.75		5.25	20.8						
77626	4.05	0.18	1.22	0.02						
77627	74.4		85.0	0.04						
77628	0.54		0.92	3.63						
77639	32.1		47.7	0.04						
77640	47.8		72.0	0.03						
77641	0.20	L0.01	0.78	L0.01						
77642	1.22		3.18	9.95						
77643	36.0		46.8	3.55						
77644	0.38		0.55	0.07						
77645	0.55		0.24	14.25						
77646	4.08		9.20	8.15						
77647	0.47		1.17	2.67						
77648	24.7	0.55	8.00	3.44						
77649	0.20	0.10	0.08	0.06						

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136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

REPORT: VGO-00690.0 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	CO PPM	NI PPM	AG PPM	PB PPM	ZN PPM
R2 77535							
R2 77536		7					
R2 77537		6					
R2 77538							
R2 77539		5					
R2 77540		10					
R2 77541							
R2 77542		6					
R2 77543		<5					
R2 77544							
R2 77545							
R2 77546							
R2 77547							
R2 77548							
R2 77549		11					
R2 77550		205					
R2 77551		8					
R2 77552		134			0.2		
R2 77553		179			<0.1		
R2 77554		43			0.3	6	1100
R2 77555		136			<0.1	3	36
R2 77556		7			<0.1	5	220
R2 77557		7			<0.1		
R2 77558		41					
R2 77559		7			1.7	503	1220
R2 77560		6			0.9	173	357
R2 77561		463					
R2 77562			7	40			

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TO Yukon Minerals Corp.

REPORT NO. W88-4675 Pg. 3

DATE July 16, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
13304	63.6	0.09	63.1	0.83
13305	51.6	0.11	73.0	5.10
13306	1.14	0.17	1.40	16.0
13307	0.80	0.25	0.40	20.8
13308	1.69	0.12	2.31	8.25
13309	0.98	0.03	1.14	5.65
13310	0.50	0.02	0.66	0.18
13311	0.40	0.01	0.61	0.17
13312	0.05	L0.01	0.08	0.11
13313	0.04	L0.01	0.05	0.06
13314	1.82	0.02	3.63	4.81
13315	31.2	0.40	38.6	0.42
13316	44.2	0.69	70.4	1.10
13317	60.8	0.15	76.8	1.05
13318	57.3	0.04	84.7	0.42
18924	0.64	0.01	1.01	0.16

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TO Yukon Minerals Corp.

REPORT NO. W88-4675 Pg. 2

DATE July 16, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13278	0.01									
13279	0.05	L0.01	0.01	0.01						
13280	0.08	L0.01	0.02	L0.01						
13281	0.07	L0.01	0.01	L0.01						
13282	0.03	0.17	0.01	L0.01						
13283	0.02	0.07	0.01	L0.01						
13284	0.01	L0.01	0.03	L0.01						
13285	0.24	0.02	0.67	4.47						
13286	0.30	0.03	0.36	5.62						
13287	0.02	L0.01	0.03	0.28						
13288	0.68	0.03	1.34	12.2						
13289	0.02									
13290	L0.01									
13291	L0.01									
13292	0.03	L0.01	0.05	0.01						
13293	L0.01	L0.01	0.01	0.02						
13294	0.01	L0.01	0.01	L0.01						
13301	0.06	L0.01	0.04	0.01						
13302	0.03	L0.01	0.04	0.01						
13303	19.6	0.10	24.3	4.22						

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Proj. MPR REGIONAL

REPORT NO. W88-4675

DATE July 16, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13258	2.65	0.02	2.69	0.05						
13259	1.52	0.01	0.93	1.54						
13260	4.59	0.05	5.69	0.22						
13261	8.75	0.03	9.55	0.69						
13262	2.06	0.04	3.73	0.39						
13263	63.0		74.2							
13264	3.66	L0.01	4.31	1.08						
13265	1.31	0.02	1.31	3.81						
13266	4.23	0.42	1.08	0.07						
13267	1.63	0.22	0.54	0.02						
13268	31.5	0.34	62.0	0.02						
13269	23.3	0.02	53.9	0.02						
13270	64.8	0.25	75.7	0.03						
13271	6.78	0.05	15.05	0.01						
13272	0.27	L0.01	0.53	0.01						
13273	7.44	L0.01	1.13	0.02						
13274	7.01	L0.01	1.05	0.01						
13275	0.14									
13276	0.04									
13277	0.02									

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Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

REPORT: VGF-[illegible].0 | PROJECT: MPE | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	PT PPB	PD PPB	AU PPB	CO PPM	CU PPM	NI PPM	AG PPM	FE PPM	ZN PPM
R2 77[illegible]											
R2 77[illegible]		7									
R2 77[illegible]		6									
R2 77[illegible]											
R2 77[illegible]		5									
R2 77[illegible]		10									
R2 77[illegible]											
R2 77[illegible]		8									
R2 77[illegible]		<5									
R2 77[illegible]											
R2 77[illegible]											
R2 77[illegible]											
R2 77[illegible]											
R2 77[illegible]											
R2 77[illegible]		13									
77[illegible]		260									
R2 77[illegible]		61									
R2 77[illegible]		134							0.2		
R2 77[illegible]		175							<0.1		
R2 77[illegible]		47					260		0.3	6	1194
R2 77[illegible]		176					14		<0.1	3	36
R2 77[illegible]		7					80		<0.1	5	220
R2 77[illegible]		7							<0.1		
R2 77[illegible]		41									
R2 77[illegible]		7							1.7	543	1220
R2 77[illegible]		6							0.9	173	307
R2 77[illegible]		463									
R2 77[illegible]			<15	10	42	7	84	49			

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

Analyst: Vari-Geo 6-1

PROJECT: MOS PHASE 1

Sample Number	Leach	Au PPB	Ag PPM	Co PPM	Cr PPM	Cu PPM	Ni PPM	Pb PPM	Zn PPM
[illegible]	[illegible]	<5	2.6						
[illegible]	[illegible]	5	0.5						
[illegible]	[illegible]	<5	0.4						
[illegible]	[illegible]			28	65	41	30		
[illegible]	[illegible]	<5	0.6						
[illegible]	[illegible]	<5	<0.1						
[illegible]	[illegible]	65	<0.5					51	233
[illegible]	[illegible]	6	28.7						
[illegible]	[illegible]	75	1.6						
[illegible]	[illegible]	<5	<0.1					47	74
[illegible]	[illegible]	5	0.1			88			
[illegible]	[illegible]	<5	0.4			102			
[illegible]	[illegible]	6	<0.1						
[illegible]	[illegible]	<5	0.1					83	60
[illegible]	[illegible]	<5	<0.1						
[illegible]	[illegible]	5	0.2						
[illegible]	[illegible]	6	36.9						
[illegible]	[illegible]	7	7.9					2980	28
[illegible]	[illegible]	<5	<0.1						
[illegible]	[illegible]	9	3.1						
[illegible]	[illegible]	15	3.5						
[illegible]	[illegible]	26							
[illegible]	[illegible]	<5	<0.1						
[illegible]	[illegible]	9%	9.2						
[illegible]	[illegible]	1.3	11.9						
[illegible]	[illegible]	75	1.6						
[illegible]	[illegible]	15							
[illegible]	[illegible]	1453	>50.0			>20000			
[illegible]	[illegible]	139	36.2					430	1560
[illegible]	[illegible]	6	1.6					125	20

BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 2V1 PHONE: (403) 667-6523

Certificate of Analysis

o Yukon Minerals Corp.

Proj. MPR (Shipment #2)

REPORT NO. W88-5690

DATE Aug. 23, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton Ag	% Cu	% Pb	% Zn
77533	0.01		0.01	0.05
77534	L0.01		L0.01	L0.01
77535	L0.01		L0.01	L0.01
77536	0.01		L0.01	L0.01
77537	L0.01		L0.01	L0.01
77538	L0.01		L0.01	L0.01
77539	L0.01		L0.01	L0.01
77540	L0.01		L0.01	L0.01
77541	L0.01		L0.01	L0.01
77542	L0.01		L0.01	L0.01
77543	L0.01		0.04	L0.01
77544	L0.01		L0.01	L0.01
77545	L0.01		L0.01	L0.01
77546	L0.01		0.01	0.01
77547	0.01		L0.01	L0.01
77548	0.01	0.01	0.01	0.01
77549	0.40	0.54	0.01	0.14
77557	9.25		11.0	29.7
77560	5.69		4.98	0.50

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Certificate of Analysis

Yukon Minerals Corp.

Proj. MPR

REPORT NO. W88-5678

DATE Aug 23, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13372	0.02									
13373	0.68		0.69	0.52						
13375	L0.01	L0.01	0.01	L0.01						
77503	L0.01									
77505	0.01									
77509	0.01									
77512	1.36		3.68	0.02						
77513	0.01		0.01	L0.01						
77514	L0.01		0.02	L0.01						
77515	0.26									
77529	0.19	0.11	L0.01	0.01						
77530	0.01		L0.01	L0.01						
77531	0.01		L0.01	0.01						
77579	0.29									
77580	0.39									
77581	0.36									
77583	1.95	0.36	L0.01	0.03						
77585	1.22		0.06	0.17						
77586	0.05									

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Certificate of Analysis

o Yukon Minerals Corp.

Proj. ~~KETZA~~ MPR

REPORT NO. W88-5689

DATE Aug 23, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%							
	Ag	Pb	Zn							
77587	19.95	1.87	0.62							
77588	1.55	0.72	2.85							
77589	10.1	3.65	2.59							
77595	2.62	4.54	31.1							
77596	0.08	0.06	14.65							

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136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

REPORT: VB8-01690.0 | PROJECT: MPR | PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	HG PPB	AS PPM
S1 BMPRS-1								
S1 BMPRS-2								
S1 BMPRS-3								
S1 TB8-1								
S1 TB8-2								
S1 TB8-3								
S1 TB8-4								
S1 TB8-5								
R2 13796		7	<0.1	43	15	74		
R2 13797		11						
R2 13798		7	<0.1	418	11	32		
R2 13799		11	<0.1	217	18	56		
R2 13800		10						
R2 13801		10	0.8	27	765	3550		
R2 13802		<5	0.4	14	356	255		
13803	*	<5						
R2 13804	*	5						
R2 13805		<5	<0.1	55	11	53		
R2 13806		<5	0.1	263	18	84		
R2 13807	*	9						
R2 13358	*	168						
R2 13359		30	22.3		2960	5400	515	>1000
R2 13360		20	2.1		251	164	40	80
R2 13361	*	72						
R2 13362	*	<5						

* previously received

REPORT: VAN-004686.0 PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
RZ 13363		14
RZ 13364		17

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
RE 13295	[illegible]	37

REPORT: V88-04675.0 PROJECT: NPR REGIONAL PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13258		61
R2 13259		110
R2 13260		195
R2 13261		38
R2 13262		807
R2 13264		120
R2 13265		29
R2 13266		9
R2 13267		5
R2 13268		38
R2 13269		28
R2 13270		41
R2 13271		13
R2 13272		26
R2 13273		1884
13274		1435
13275		25
R2 13276		8
R2 13277		13
R2 13278		<5
R2 13279		22
R2 13280		261
R2 13281		15
R2 13282		<5
R2 13283		6
R2 13284		<5
R2 13285		8
R2 13286		12
R2 13287		<5
[illegible]		<5
R2 13289		9
R2 13290		<5
R2 13291		<5
R2 13292		5
R2 13293		12
13294		<5
13301		20
R2 13302		21
R2 13303		11
R2 13304		141

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
R2 13305		26
R2 13306		37
R2 13307		61
R2 13308		67
R2 13309		37
R2 13310		315
R2 13311		18
R2 13312		12
R2 13313		18
R2 13314		21
R2 13315		138
R2 13316		79
R2 13317		86
R2 13318		17
R2 18924		17

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Certificate of Analysis

Yukon Minerals Corp.

(P. Ramaekers)

REPORT NO. W88-5612

DATE July 29, 1988

hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
13335	111.		77.7						
13336	8.49		19.6	0.22					
13337	47.2		47.2						
13338	70.0		82.5						
81029	0.06	L0.01	0.07	0.03					

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Certificate of Analysis

Yukon Minerals Corp.

George

Proj. MPR

REPORT NO. W88-4690

DATE July 19, 1988

hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%						
	Ag	Cu	Pb	Zn						
13297	L0.01	0.01	0.01	0.01						
13300	0.10	L0.01	0.44	1.41						
13353	L0.01	L0.01	0.04	0.01						
13354	L0.01	L0.01	0.02	L0.01						
13357	1.31		0.69	1.20						
13358	50.7		18.9	4.46						
13361	0.03		0.02	0.11						
13362	0.02	L0.01	0.01	0.02						

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Certificate of Analysis

Yukon Minerals Corp.

George

MPR REGIONAL

REPORT NO. W88-4666

DATE July 14, 1988

Hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%					
	Ag	Cu	Pb	Zn					
13295	0.08	0.05	0.05	0.24					

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Certificate of Analysis

TO Yukon Minerals Corp.

George

Proj. MPR REGIONAL

REPORT NO. W88-4665

DATE July 14, 1988

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED		oz/ton Ag
MPR	BLOOD 1	47.2
	SWEAT 2	151.
Pass Peak	TEARS 3	41.2
4 zones	TRACY#/4 vein.	55.5

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Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

REPORT: VAM-88-078.2 PROJECT: MPP PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
Ti MARG 40		43	<10	<20	<0.01	<20	9	<10	13	81	6
Ti MARG 41		54	<10	<20	<0.01	<20	6	<10	10	61	6

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

REPORT: V86-00676.2

PROJECT: MPS PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	As PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sr PPM	Th PPM
T1 MPS 40		789	<5	<0.05	2	46	0.11	32	<50	<5	3.0	<30
T1 MPS 41		677	<5	<0.05	2	38	0.13	28	<50	<5	1.0	<30

Bondar-Clegg & Company Ltd.
130 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

ATTENTION: [illegible]

PROJECT: M/A

SAMPLE #	ELEMENT	CD	CE	CO	CR	CU	Fe	GA	K	LA	LI	MG
	UNITS	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	PPM	PPM	PCT
[illegible]		<1	50	22	18	31	3.62	6	0.10	26	13	0.36
[illegible]		<1	59	21	19	30	3.33	6	0.18	29	13	0.30

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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Geochemical Lab Report

REPORT: VAN-87-673-2

PROJECT: MPR PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	AU FIA	AU/WT G	AU/WT G	AG PPM	AL PCT	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PCT
T1 MPR5 40		6	10.0		0.8	1.05	92	<2	59	<4.0	<5	0.60
T1 MPR5 41		9	10.0		1.0	1.14	<50	<2	101	<4.0	<5	0.52

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036 8 460

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Geochemical Lab Report

ATTN: [illegible]STAKE

PROJECT: MFR

Sample Number	Element Units	Sb PPM	As PPM	Te PPM	Tl PPM	Th PPM	U PPM	W PPM	Y PPM	Zn PPM	Zr PPM
[illegible]	TRA-1	124	<10	<20	<0.01	<20	26	<10	4	64	14
[illegible]	[illegible]	30	<10	<20	<0.01	<20	11	<10	7	100	6
[illegible]	[illegible]	8	<10	<20	<0.01	<20	12	<10	8	211	7
[illegible]	[illegible]	82	<10	<20	<0.01	<20	12	<10	9	232	7
[illegible]	[illegible]	41	<10	<20	<0.01	<20	11	<10	6	142	6
[illegible]	[illegible]	43	<10	<20	<0.01	<20	14	<10	14	186	7
[illegible]	[illegible]	53	<10	<20	<0.01	<20	14	<10	14	102	6
[illegible]	[illegible]	47	<10	<20	<0.01	<20	12	<10	14	86	4
[illegible]	[illegible]	37	<10	<20	<0.01	<20	1	<10	10	102	6
[illegible]	[illegible]	61	<10	<20	<0.01	<20	14	<10	10	116	7
[illegible]	[illegible]	10	<10	<20	0.01	<20	13	<10	6	74	3
[illegible]	[illegible]	57	<10	<20	<0.01	<20	16	<10	19	153	12
[illegible]	[illegible]	49	<10	<20	<0.01	<20	13	<10	10	90	5
[illegible]	[illegible]	59	<10	<20	<0.01	<20	13	<10	11	126	5
[illegible]	[illegible]	46	<10	<20	<0.01	<20	14	<10	11	81	6
[illegible]	[illegible]	47	<10	<20	<0.01	<20	11	<10	10	207	4
[illegible]	[illegible]	43	<10	<20	<0.01	<20	12	<10	12	90	3
[illegible]	[illegible]	40	<10	<20	0.01	<20	17	<10	16	133	4
[illegible]	[illegible]	31	<10	<20	<0.01	<20	10	<10	10	71	3
[illegible]	[illegible]	27	<10	<20	<0.01	<20	6	<10	7	149	3
[illegible]	[illegible]	27	<10	<20	<0.01	<20	6	<10	7	136	3
[illegible]	[illegible]	19	<10	<20	<0.01	<20	5	<10	7	141	2
[illegible]	[illegible]	44	<10	<20	<0.01	<20	8	<10	7	150	5
[illegible]	[illegible]	41	<10	<20	<0.01	<20	7	<10	7	126	3
[illegible]	[illegible]	34	<10	<20	<0.01	<20	7	<10	8	159	4
[illegible]	[illegible]	39	<10	<20	<0.01	<20	7	<10	7	124	6
[illegible]	[illegible]	32	<10	<20	<0.01	<20	7	<10	7	133	5
[illegible]	[illegible]	23	<10	<20	<0.01	<20	5	<10	6	107	2
[illegible]	[illegible]	7	<10	<20	<0.01	<20	5	<10	7	138	2
[illegible]	[illegible]	6	<10	<20	<0.01	<20	5	<10	6	69	2
[illegible]	[illegible]	38	<10	<20	<0.01	<20	6	<10	7	96	4
[illegible]	[illegible]	93	<10	<20	<0.01	<20	5	<10	9	66	8
[illegible]	[illegible]	47	<10	<20	<0.01	<20	6	<10	8	148	5
[illegible]	[illegible]	34	<10	<20	<0.01	<20	4	<10	8	94	3
[illegible]	[illegible]	47	<10	<20	<0.01	<20	5	<10	7	90	4
[illegible]	[illegible]	23	<10	<20	<0.01	<20	2	<10	7	77	3
[illegible]	[illegible]	51	<10	<20	<0.01	<20	6	<10	8	128	4
[illegible]	[illegible]	20	<10	<20	<0.01	<20	3	<10	7	78	3
[illegible]	[illegible]	39	<10	<20	<0.01	<20	12	<10	10	93	6
[illegible]	[illegible]	42	<10	<20	<0.01	<20	9	<10	14	97	6

ondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
lex 036 8 460

BONDAR-CLEGG

Geochemical Lab Report

PROJECT: MAR PAGE 1

ELEMENT UNITS	Mo PPM	Mn PPM	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
TB-1	303	26	<0.05	1	24	0.07	27	63	<5	1.0	<20
[illegible]	3[illegible]	<5	<0.05	1	31	0.07	25	<50	<5	2.0	<20
[illegible]	379	<5	<0.05	1	37	0.06	43	<50	<5	2.0	<20
[illegible]	4[illegible]	<5	<0.05	1	39	0.09	39	51	<5	2.0	<20
[illegible]	178	7	<0.05	2	56	0.10	27	<50	<5	1.0	<20
[illegible]	607	<5	<0.05	1	41	0.07	39	67	<5	2.0	<20
[illegible]	7[illegible]	<5	<0.05	2	50	0.11	40	61	<5	3.0	<20
[illegible]	4[illegible]	<5	<0.05	1	32	0.11	24	75	<5	2.0	<20
[illegible]	789	<5	<0.05	1	50	0.12	26	<50	<5	3.0	<20
[illegible]	7[illegible]	<5	<0.05	1	66	0.10	23	<50	<5	2.0	<20
[illegible]	5[illegible]	<5	<0.05	1	34	0.07	19	5[illegible]	<5	2.0	<20
[illegible]	9[illegible]	6	<0.05	1	68	0.13	29	<50	<5	3.0	<20
[illegible]	5[illegible]	<5	<0.05	1	45	0.10	18	<50	<5	2.0	<20
[illegible]	6[illegible]	<5	<0.05	2	56	0.10	25	81	<5	2.0	<20
[illegible]	5[illegible]	<5	<0.05	2	52	0.10	14	6[illegible]	<5	2.0	<20
[illegible]	6[illegible]	<5	<0.05	1	37	0.07	34	<50	<5	2.0	<20
[illegible]	6[illegible]	<5	<0.05	<1	26	0.08	18	<50	<5	2.0	<20
[illegible]	7[illegible]	<5	<0.05	1	33	0.08	9[illegible]	<50	<5	2.0	<20
[illegible]	4[illegible]	<5	<0.05	<1	23	0.06	10	75	<5	2.0	<20
[illegible]	6[illegible]	<5	<0.05	<1	10	0.03	185	7[illegible]	<5	1.0	3[illegible]
[illegible]	7[illegible]	<5	<0.05	<1	12	0.03	9[illegible]	<50	<5	1.0	<20
[illegible]	6[illegible]	<5	<0.05	<1	13	0.02	87	<50	<5	1.0	6[illegible]
[illegible]	5[illegible]	<5	<0.05	<1	22	0.05	94	67	<5	2.0	<20
[illegible]	5[illegible]	<5	<0.05	<1	20	0.05	58	<50	<5	2.0	35
[illegible]	5[illegible]	<5	<0.05	<1	21	0.05	6[illegible]	75	<5	2.0	4[illegible]
[illegible]	5[illegible]	<5	<0.05	<1	23	0.05	48	78	<5	2.0	34
[illegible]	4[illegible]	<5	<0.05	<1	22	0.05	68	52	<5	1.0	<20
[illegible]	6[illegible]	<5	<0.05	<1	7	0.02	133	<50	<5	1.0	5[illegible]
[illegible]	7[illegible]	<5	<0.05	<1	8	0.02	132	72	<5	1.0	4[illegible]
[illegible]	5[illegible]	<5	<0.05	<1	13	0.03	34	<50	<5	1.0	5[illegible]
[illegible]	4[illegible]	<5	<0.05	<1	17	0.04	37	<50	<5	1.0	<20
[illegible]	7[illegible]	<5	<0.05	<1	25	0.12	23	104	<5	2.0	<20
[illegible]	4[illegible]	<5	<0.05	<1	16	0.04	81	<50	<5	1.0	<20
[illegible]	4[illegible]	<5	<0.05	<1	15	0.04	46	<50	<5	1.0	38
[illegible]	4[illegible]	<5	<0.05	<1	19	0.04	53	<50	<5	1.0	<20
[illegible]	4[illegible]	<5	<0.05	<1	12	0.03	33	<50	<5	1.0	42
[illegible]	5[illegible]	<5	<0.05	<1	23	0.04	56	<50	<5	2.0	44
[illegible]	3[illegible]	<5	<0.05	<1	12	0.03	34	<50	<5	1.0	32
[illegible]	5[illegible]	<5	<0.05	2	37	0.05	30	<50	<5	3.0	<20
[illegible]	7[illegible]	<5	<0.05	2	42	0.10	27	<50	<5	3.0	<20

Bondar-Clegg & Company Ltd
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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SAMPLE	ELEMENT	CU	PB	ZN	AG	CO	FE	AS	U	AU	TH	MO
NUMBER	UNITS	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	PPM	PPM	PCT
[illegible]	TMA-1	<1	7	2	5	55	3.24	3	0.15	2	5	1.91
[illegible]		1	24	10	19	27	2.31	5	<0.05	15	17	0.94
[illegible]		1	27	9	17	27	2.43	3	<0.05	14	15	1.03
[illegible]		<1	26	10	14	36	2.46	3	<0.05	14	14	1.04
[illegible]		1	8	4	4	29	1.76	<2	<0.05	4	1	0.47
[illegible]		<1	42	17	21	43	3.43	5	0.06	21	19	0.67
[illegible]		1	5	29	22	49	3.73	6	0.07	26	17	0.57
[illegible]		<1	41	14	17	36	2.89	4	0.06	24	15	0.58
[illegible]		<1	54	24	17	54	4.13	4	0.06	28	15	0.58
[illegible]		<1	53	20	18	67	4.12	5	<0.05	26	16	0.58
[illegible]		1	51	15	17	29	3.05	5	0.06	22	11	0.47
[illegible]		<1	78	34	10	90	5.22	4	0.05	34	14	0.51
[illegible]		<1	35	19	22	53	3.19	6	<0.05	17	24	0.84
[illegible]		<1	42	21	25	73	3.54	7	<0.05	22	27	1.02
[illegible]		<1	44	29	26	64	3.33	6	<0.05	27	26	0.97
[illegible]		2	26	14	13	32	2.76	5	<0.05	11	14	0.67
[illegible]		<1	24	11	16	31	2.61	3	<0.05	14	19	0.56
[illegible]		2	34	14	19	58	2.50	4	0.05	28	17	0.35
[illegible]		<1	27	10	19	27	2.35	4	<0.05	14	21	0.65
[illegible]		1	29	3	3	15	1.58	8	<0.05	2	5	5.51
[illegible]		1	30	3	3	13	1.51	9	<0.05	1	4	5.60
[illegible]		<1	26	<2	2	11	1.31	6	<0.05	1	3	3.56
[illegible]		<1	11	7	7	29	2.02	<2	<0.05	6	8	3.76
[illegible]		<1	10	8	6	33	2.04	<2	<0.05	6	9	3.72
[illegible]		<1	12	6	5	27	1.97	<2	<0.05	5	7	4.31
[illegible]		1	12	6	6	29	1.99	<2	<0.05	6	8	3.47
[illegible]		<1	15	6	5	28	1.92	<2	<0.05	8	7	3.47
[illegible]		<1	47	<2	1	11	1.57	19	<0.05	<1	3	6.38
[illegible]		<1	33	<2	1	11	1.33	12	<0.05	<1	3	5.84
[illegible]		<1	26	<2	2	6	1.05	7	<0.05	2	3	5.58
[illegible]		<1	10	5	5	17	1.57	<2	<0.05	6	7	3.04
[illegible]		<1	6	10	6	38	2.67	<2	<0.05	3	9	0.61
[illegible]		<1	22	5	6	19	1.63	<2	<0.05	12	8	3.52
[illegible]		1	17	3	4	13	1.48	<2	<0.05	7	5	4.28
[illegible]		<1	17	4	5	19	1.64	<2	<0.05	8	6	3.76
[illegible]		<1	10	<2	2	9	1.14	<2	<0.05	4	3	4.28
[illegible]		<1	26	6	11	22	1.96	2	<0.05	12	11	3.36
[illegible]		<1	10	<2	2	8	1.28	<2	<0.05	3	2	4.28
[illegible]		<1	36	20	23	26	3.70	7	0.08	18	19	0.72
[illegible]		1	40	28	17	38	3.48	7	0.06	19	14	0.48

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone (403) 667-6523
Telex 036-8-460

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/AT G	Au/WT G	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT
[redacted]	TR5-1	3[illegible]	10.0		1.0	0.28	169	<2	716	<4.0	<5	2.52
[redacted]	[illegible]	1[illegible]	10.0		<0.5	0.87	<50	<2	278	<4.0	<5	2.15
[redacted]	[illegible]	1[illegible]	10.0		<0.5	0.80	<50	<2	49	<4.0	<5	3.71
[redacted]	[illegible]	1[illegible]	10.0		<0.5	0.73	<50	<2	59	<4.0	<5	3.24
[redacted]	[illegible]	1[illegible]	10.0		0.5	0.21	<50	<2	66	<4.0	<5	1.43
[redacted]	[illegible]	6	6.0		<0.5	1.10	<50	<2	33	<4.0	<5	1.[illegible]
[redacted]	[illegible]	7	4.[illegible]	6.0	0.7	1.01	<50	<2	43	<4.0	<5	1.38
[redacted]	[illegible]	7	10.[illegible]		<0.5	0.91	<50	<2	36	<4.0	<5	0.67
[redacted]	[illegible]	7	1[illegible].0		0.6	0.97	<50	<2	36	<4.0	<5	0.72
[redacted]	[illegible]	6	10.0		<0.5	0.92	<50	<2	30	<4.0	<5	1.96
[redacted]	[illegible]	1[illegible]		5.0	<0.5	0.96	<50	<2	21	<4.0	<5	0.44
[redacted]	[illegible]	9	10.0		0.7	0.92	<50	<2	46	<4.0	<5	1.44
[redacted]	[illegible]	6	10.0		<0.5	1.23	<50	<2	26	<4.0	<5	1.37
[redacted]	[illegible]	12	10.0		0.6	1.40	<50	<2	27	<4.0	<5	1.99
[redacted]	[illegible]	7	10.0		0.5	1.36	<50	<2	24	<4.0	<5	1.32
[redacted]	[illegible]	7[illegible]	10.0		0.6	1.86	70	<2	43	<4.0	<5	1.19
[redacted]	[illegible]	13	10.0		<0.5	1.00	54	<2	43	<4.0	<5	0.78
[redacted]	[illegible]	23	2.0	4.0	1.3	1.04	165	<2	53	<4.0	<5	0.81
[redacted]	[illegible]	66	10.0		<0.5	1.04	74	<2	38	<4.0	<5	0.66
[redacted]	[illegible]	22	10.0		<0.5	0.19	<50	<2	395	<4.0	<5	>10.00
[redacted]	[illegible]	21	10.0		<0.5	0.16	<50	<2	464	<4.0	<5	>10.00
[redacted]	[illegible]	24	10.0		<0.5	0.11	<50	<2	67	<4.0	<5	>10.00
[redacted]	[illegible]	14	10.0		<0.5	0.44	56	<2	1847	<4.0	<5	7.05
[redacted]	[illegible]	12	10.0		<0.5	0.41	64	<2	1084	<4.0	<5	6.88
[redacted]	[illegible]	14	10.0		<0.5	0.36	57	<2	1138	<4.0	<5	8.34
[redacted]	[illegible]	13	10.0		<0.5	0.44	55	<2	1826	<4.0	<5	6.16
[redacted]	[illegible]	17	10.0		<0.5	0.39	62	<2	1748	<4.0	<5	6.28
[redacted]	[illegible]	9	10.0		<0.5	0.09	<50	<2	76	<4.0	<5	>10.00
[redacted]	[illegible]	20	10.0		<0.5	0.08	<50	<2	26	<4.0	<5	>10.00
[redacted]	[illegible]	4[illegible]	10.0		<0.5	0.10	62	<2	29	<4.0	<5	>10.00
[redacted]	[illegible]	9	10.0		<0.5	0.34	<50	<2	63	<4.0	<5	5.73
[redacted]	[illegible]	7	10.0		<0.5	0.46	119	<2	17	<4.0	<5	4.76
[redacted]	[illegible]	17	10.0		<0.5	0.38	<50	<2	52	<4.0	<5	7.02
[redacted]	[illegible]	8	10.0		<0.5	0.24	<50	<2	50	<4.0	<5	6.32
[redacted]	[illegible]	1[illegible]	10.0		<0.5	0.31	<50	<2	61	<4.0	<5	7.45
[redacted]	[illegible]	9	10.0		<0.5	0.11	<50	<2	28	<4.0	<5	6.30
[redacted]	[illegible]	1[illegible]	2.0	8.0	<0.5	0.50	<50	<2	105	<4.0	<5	6.52
[redacted]	[illegible]	9	10.0		<0.5	0.10	<50	<2	29	<4.0	<5	8.13
[redacted]	[illegible]	7	10.0		0.7	1.19	<50	<2	43	<4.0	<5	0.60
[redacted]	[illegible]	6	10.0		1.0	0.94	<50	<2	47	<4.0	<5	1.80

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Be PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 JTS1		<20	<0.01	<20	3	<10	7	65	4
T1 JTS2		<20	<0.01	<20	2	<10	7	169	2
T1 JTS3		<20	<0.01	<20	2	<10	7	57	2
T1 JTS4		<20	<0.01	<20	3	<10	7	68	3
T1 JTS5		<20	<0.01	<20	4	<10	7	84	4
R2 00-1S		<20	<0.01	<20	29	<10	2	607	1
R2 00-2S		<20	<0.01	<20	31	<10	2	150	<1
R2 00-3S		<20	<0.01	<20	4	<10	5	117	<1
R2 00-4S		<20	<0.01	<20	5	<10	4	54	<1
R2 00-5S		<20	<0.01	<20	11	<10	8	149	<1
R2 00-6S		<20	<0.01	<20	20	<10	5	73	1
R2 00-7S		<20	<0.01	<20	6	<10	4	28	<1
R2 01W-1S		<20	<0.01	<20	18	<10	1	28	<1
R2 01W-2S		<20	<0.01	<20	10	<10	3	39	<1
R2 01W-3S		<20	<0.01	<20	8	<10	4	76	<1
R2 01W-4S		<20	<0.01	<20	7	<10	4	37	<1
R2 01W-5S		<20	<0.01	<20	8	<10	4	43	2
R2 01W-6S		<20	<0.01	<20	9	<10	4	40	2
R2 01W-7S		<20	<0.01	<20	7	<10	3	21	1
R2 02W-1S		<20	<0.01	<20	6	<10	7	62	4
R2 02W-2S		<20	<0.01	<20	14	<10	7	85	3
R2 02W-3S		<20	<0.01	<20	12	<10	6	119	2
R2 02W-4S		<20	<0.001	<20	24	<10	7	195	3
R2 02W-5S		<20	<0.01	<20	7	<10	9	44	2
R2 02W-6S		<20	<0.01	<20	6	<10	9	37	2
R2 02W-7S		<20	<0.01	<20	6	<10	8	100	1

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
T1 JTS1		<0.05	<1	14	0.03	94	<50	<5	<1.0	35	7	<10
T1 JTS2		<0.05	<1	12	0.04	78	<50	<5	1.0	<30	36	<10
T1 JTS3		<0.05	<1	8	0.04	56	<50	<5	<1.0	<30	12	<10
T1 JTS4		<0.05	<1	11	0.03	48	<50	<5	<1.0	36	14	<10
T1 JTS5		<0.05	<1	15	0.04	59	<50	<5	1.0	38	17	<10
R2 00-1S		<0.05	?	23	0.05	384	<50	<5	<1.0	<30	32	<10
R2 00-2S		<0.05	?	11	0.04	142	120	<5	<1.0	<30	38	<10
R2 00-3S		<0.05	<1	14	0.01	69	<50	<5	<1.0	66	14	<10
R2 00-4S		<0.05	<1	17	<0.001	28	85	<5	<1.0	89	<4	<10
R2 00-5S		<0.05	<1	70	0.03	22	<50	<5	1.0	58	14	<10
R2 00-6S		<0.05	<1	26	0.05	47	<50	<5	<1.0	33	36	<10
R2 00-7S		<0.05	<1	5	0.01	27	<50	<5	<1.0	89	<12	<10
R2 01W-1S		<0.05	?	7	0.02	31	<50	<5	<1.0	<30	14	<10
R2 01W-2S		<0.05	<1	10	0.01	26	<50	<5	<1.0	73	26	<10
R2 01W-3S		<0.05	<1	18	0.01	42	72	<5	<1.0	87	18	<10
R2 01W-4S		<0.05	<1	15	0.01	15	<50	<5	<1.0	71	8	<10
R2 01W-5S		<0.05	<1	11	0.01	23	<50	<5	<1.0	76	<8	<10
R2 01W-6S		<0.05	<1	17	<0.01	13	55	<5	<1.0	59	11	<10
R2 01W-7S		<0.05	<1	3	<0.001	17	53	<5	<1.0	74	<9	<10
R2 02W-1S		<0.05	<1	20	0.01	26	<50	<5	<1.0	37	5	<10
R2 02W-2S		<0.05	<1	25	0.03	238	<50	<5	1.0	43	19	<10
R2 02W-3S		<0.05	<1	18	0.02	192	<50	<5	<1.0	39	17	<10
R2 02W-4S		<0.05	<1	48	0.03	76	<50	<5	2.0	47	24	<10
R2 02W-5S		<0.05	<1	23	0.02	21	<50	<5	<1.0	37	1	<10
R2 02W-6S		<0.05	<1	12	0.12	19	<50	<5	<1.0	49	12	<10
R2 02W-7S		<0.05	<1	11	0.01	72	<50	<5	<1.0	71	11	<10

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-35266

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SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
T1 JTS1		<2	1	11	1.18	<2	<0.05	3	2	4.12	356	<5
T1 JTS2		3	1	10	1.39	<2	<0.05	3	2	3.78	403	<5
T1 JTS3		<2	<1	7	0.84	<2	<0.05	2	2	4.77	349	<5
T1 JTS4		<2	<1	8	0.90	<2	<0.05	2	2	4.19	341	<5
T1 JTS5		<2	1	11	1.11	<2	<0.05	3	2	4.32	387	<5
R2 00-1S		2	62	19	1.52	4	0.16	6	2	0.05	325	11
R2 00-2S		<2	116	15	1.48	4	0.25	6	2	0.05	155	15
R2 00-3S		<2	12	9	0.69	34	0.07	<1	3	8.46	410	<5
R2 00-4S		<2	7	9	1.01	<107	<0.05	<1	3	>10.00	550	<5
R2 00-5S		4	17	32	2.11	26	0.05	<1	3	7.96	542	<5
R2 00-6S		<2	60	33	1.30	<2	0.12	4	3	4.65	364	5
R2 00-7S		<2	11	4	0.64	<63	0.05	<1	3	9.25	387	<5
R2 01W-1S		<2	91	11	0.50	4	0.18	8	<1	0.06	77	7
R2 01W-2S		<2	26	9	0.73	9	0.08	<1	3	6.99	349	<5
R2 01W-3S		<2	15	16	1.17	31	0.06	<1	3	8.45	480	<5
R2 01W-4S		<2	10	7	0.81	36	<0.05	<1	3	8.64	457	<5
R2 01W-5S		<2	10	6	0.75	<70	<0.05	<1	3	8.78	395	<5
R2 01W-6S		<2	13	8	0.72	44	<0.05	<1	3	7.91	349	<5
R2 01W-7S		<2	6	2	0.38	<88	<0.05	<1	3	8.94	294	<5
R2 02W-1S		<2	90	11	2.80	<2	0.08	3	2	3.70	813	<5
R2 02W-2S		3	60	27	2.11	<2	0.08	5	3	4.25	937	<5
R2 02W-3S		2	28	25	1.37	9	0.05	2	3	6.10	503	<5
R2 02W-4S		3	49	86	2.49	4	0.06	4	3	5.41	426	<5
R2 02W-5S		9	47	19	1.43	<2	0.06	3	2	4.63	713	<5
R2 02W-6S		3	22	9	1.81	22	0.07	1	3	6.45	922	<5
R2 02W-7S		<2	19	10	1.31	33	<0.05	<1	4	7.38	720	<5

Bondar-Clegg & Company Ltd.
130 Pemberton Ave
North Vancouver, B.C.
V7P 2R5
(04) 985-0681 Telex 04-352667

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Ce PPM
T1 JTS1		21	<0.5	0.08	<50	<2	14	<4.0	<5	6.82	<1	8
T1 JTS2		12	<0.5	0.06	56	<2	13	<4.0	<5	6.19	<1	8
T1 JTS3		8	<0.5	0.05	<50	<2	8	<4.0	<5	8.22	<1	9
T1 JTS4		9	<0.5	0.05	<50	<2	11	<4.0	<5	7.12	<1	8
T1 JTS5		8	<0.5	0.06	<50	<2	12	<4.0	<5	7.43	<1	11
R2 00-1S		8	2.2	0.34	62	<2	148	<4.0	<5	0.09	3	17
R2 00-2S		15	2.1	0.37	<50	<2	207	<4.0	<5	0.06	<1	18
R2 00-3S		<5	<0.5	0.09	<50	<2	26	<4.0	<5	>10.00	<1	91
R2 00-4S		11	<0.5	0.08	<50	<2	24	<4.0	<5	>10.00	<1	<222
R2 00-5S		35	<0.5	0.23	156	<2	50	5.3	<5	>10.00	<1	76
R2 00-6S		14	<0.5	0.38	110	<2	102	<4.0	<5	8.15	<1	13
R2 00-7S		8	<0.5	0.08	<50	<2	35	<4.0	<5	>10.00	<1	<143
R2 01W-1S		7	<0.5	0.23	<50	<2	236	<4.0	<5	0.19	<1	17
R2 01W-2S		8	<0.5	0.11	<50	<2	62	<4.0	<5	>10.00	<1	39
R2 01W-3S		<5	<0.5	0.14	<50	<2	44	<4.0	<5	>10.00	<1	85
R2 01W-4S		14	<0.5	0.11	<50	<2	30	<4.0	<5	>10.00	<1	95
R2 01W-5S		10	<0.5	0.08	50	<2	23	<4.0	<5	>10.00	<1	<145
R2 01W-6S		30	<0.5	0.08	<50	<2	20	<4.0	<5	>10.00	<1	97
R2 01W-7S		<5	<0.5	0.05	<50	<2	21	<4.0	<5	>10.00	<1	<176
R2 02W-1S		14	<0.5	0.13	167	<2	83	<4.0	<5	7.00	<1	8
R2 02W-2S		8	<0.5	0.29	54	<2	81	<4.0	<5	7.90	<1	12
R2 02W-3S		25	<0.5	0.29	111	<2	52	<4.0	<5	>10.00	<1	32
R2 02W-4S		29	<0.5	0.71	338	<2	79	<4.0	<5	>10.00	2	23
R2 02W-5S		9	<0.5	0.22	51	<2	47	<4.0	<5	8.92	<1	12
R2 02W-6S		<5	<0.5	0.15	<50	<2	110	<4.0	<5	>10.00	<1	64
R2 02W-7S		6	<0.5	0.11	<50	<2	51	<4.0	<5	>10.00	2	79

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SAMPLE NUMBER	ELEMENT UNITS	Be PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 MPB 1		<20	<0.01	<20	15	<10	9	199	8
T1 MPB 2		<20	<0.01	<20	14	<10	8	97	4
T1 MPB 3		<20	0.01	<20	18	<10	6	66	5
T1 MPB 4		<20	0.01	<20	21	<10	9	101	4
T1 MPB 5		<20	<0.01	<20	19	<10	14	120	7
T1 MPB 6		<20	<0.01	<20	17	<10	13	208	7
T1 MPB 7		<20	0.03	<20	40	<10	14	79	3
T1 MPB 8		<20	0.03	<20	46	<10	16	235	4
T1 MPB 9A		<20	0.02	<20	17	<10	12	117	1
T1 MPB 9B		<20	0.02	<20	24	<10	12	102	3
T1 MPB 10		<20	0.01	<20	16	<10	15	81	1
T1 MPB 11A		<20	0.02	<20	16	<10	13	107	<1
T1 MPB 11B		<20	0.01	<20	15	<10	11	108	3
T1 MPB 12		<20	<0.01	<20	13	<10	12	89	2
T1 MPB 13		<20	0.07	<20	47	<10	15	110	4
T1 MPB 14		<20	0.03	<20	34	<10	10	120	2
T1 MPB 15		<20	0.02	<20	23	<10	13	85	4
T1 MPB 16		<20	0.04	<20	39	<10	15	89	6
T1 MPB 17		<20	0.05	<20	43	<10	14	83	2
T1 MPB 18		<20	0.01	<20	29	<10	14	116	8
T1 MPB 19		<20	0.03	<20	40	<10	12	74	3

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SAMPLE NUMBER	ELEMENT UNITS	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM	Sr PPM	Ta PPM
T1 MPB 1		<0.05	2	53	0.08	38	<50	<5	3.0	<30	66	<10
T1 MPB 2		<0.05	1	29	0.07	51	<50	<5	3.0	<30	63	<10
T1 MPB 3		<0.05	3	27	0.07	16	<50	<5	2.0	<30	28	<10
T1 MPB 4		<0.05	1	28	0.08	96	<50	<5	3.0	<30	67	<10
T1 MPB 5		<0.05	3	75	0.11	26	<50	<5	3.0	<30	58	<10
T1 MPB 6		<0.05	2	57	0.10	25	<50	<5	3.0	<30	85	<10
T1 MPB 7		0.05	2	42	0.16	16	<50	<5	4.0	<30	74	<10
T1 MPB 8		<0.05	4	60	0.16	17	<50	<5	4.0	<30	43	<10
T1 MPB 9A		<0.05	<1	34	0.09	25	<50	<5	2.0	<30	78	<10
T1 MPB 9B		<0.05	3	29	0.11	55	<50	<5	3.0	<30	61	<10
T1 MPB 10		<0.05	2	39	0.09	15	<50	<5	2.0	<30	57	<10
T1 MPB 11A		0.05	2	45	0.08	64	<50	<5	2.0	<30	113	<10
T1 MPB 11B		<0.05	4	34	0.14	34	<50	<5	2.0	<30	28	<10
T1 MPB 12		<0.05	2	38	0.15	22	<50	<5	2.0	<30	20	<10
T1 MPB 13		<0.05	4	41	0.13	38	<50	<5	6.0	<30	47	<10
T1 MPB 14		0.05	3	29	0.11	19	59	<5	3.0	<30	38	<10
T1 MPB 15		<0.05	3	36	0.12	20	<50	<5	3.0	<30	44	<10
T1 MPB 16		<0.05	3	38	0.17	35	<50	<5	3.0	<30	50	<10
T1 MPB 17		<0.05	4	31	0.10	21	73	<5	5.0	<30	70	<10
T1 MPB 18		<0.05	<1	46	0.11	40	<50	<5	4.0	<30	156	<10
T1 MPB 19		0.07	<1	37	0.10	16	<50	<5	5.0	<30	205	<10

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REPORT: V88-06818.0

PROJECT: MPR

SAMPLE NUMBER	ELEMENT UNITS	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT	Mn PPM	Mo PPM
T1 MPB 1		15	27	31	3.11	10	<0.05	12	34	1.52	573	<5
T1 MPB 2		12	24	28	2.97	8	0.05	11	27	0.91	372	<5
T1 MPB 3		11	25	20	2.64	11	<0.05	12	24	0.88	364	<5
T1 MPB 4		10	18	27	2.50	7	0.09	15	23	1.90	542	<5
T1 MPB 5		27	34	105	4.33	11	<0.05	29	36	1.38	751	<5
T1 MPB 6		21	29	68	3.61	10	0.06	19	35	1.24	581	<5
T1 MPB 7		15	26	62	3.50	10	0.17	22	47	1.15	759	7
T1 MPB 8		16	31	51	3.54	12	0.13	26	63	1.17	434	<5
T1 MPB 9A		15	18	33	2.94	6	0.08	13	25	0.91	914	<5
T1 MPB 9B		13	19	25	2.84	8	0.14	15	24	1.40	596	<5
T1 MPB 10		18	20	30	3.16	9	0.06	15	23	0.79	565	<5
T1 MPB 11A		18	24	42	3.36	10	0.12	16	33	0.77	589	<5
T1 MPB 11B		13	14	28	3.06	9	<0.05	14	16	1.24	496	<5
T1 MPB 12		16	13	42	3.05	8	<0.05	17	15	0.63	674	<5
T1 MPB 13		20	35	39	4.34	13	0.43	18	46	0.91	875	<5
T1 MPB 14		11	20	32	2.39	9	0.20	19	34	0.51	434	<5
T1 MPB 15		16	24	28	3.15	9	0.11	33	25	0.54	476	<5
T1 MPB 16		23	29	35	3.89	11	0.23	36	28	0.79	480	<5
T1 MPB 17		16	35	30	3.25	14	0.31	19	48	1.00	527	<5
T1 MPB 18		18	30	40	3.83	9	0.10	23	30	1.19	720	<5
T1 MPB 19		14	32	37	3.15	12	0.28	20	45	1.23	589	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT	Cd PPM	Ce PPM
T1 MPB 1		<5	0.8	1.66	<50	<2	42	<4.0	<5	2.46	2	22
T1 MPB 2		<5	0.6	1.46	<50	<2	52	<4.0	<5	3.15	<1	19
T1 MPB 3		12	0.9	1.31	<50	<2	43	<4.0	<5	0.75	<1	26
T1 MPB 4		<5	<0.5	1.17	<50	<2	276	<4.0	<5	4.13	<1	27
T1 MPB 5		<5	1.1	1.79	<50	<2	34	<4.0	<5	1.93	<1	55
T1 MPB 6		<5	1.0	1.68	<50	<2	45	<4.0	<5	2.55	2	35
T1 MPB 7		<5	0.6	1.89	<50	<2	86	<4.0	<5	3.40	1	41
T1 MPB 8		<5	1.0	2.29	<50	<2	74	<4.0	<5	1.69	2	44
T1 MPB 9A		<5	<0.5	1.36	<50	<2	47	<4.0	<5	7.06	<1	27
T1 MPB 9B		<5	0.8	1.30	145	<2	56	<4.0	<5	2.69	<1	27
T1 MPB 10		<5	0.7	1.32	<50	<2	25	<4.0	<5	1.68	1	31
T1 MPB 11A		<5	0.9	1.69	<50	<2	32	<4.0	<5	2.46	<1	35
T1 MPB 11B		<5	1.0	0.97	<50	<2	78	<4.0	<5	1.97	<1	28
T1 MPB 12		<5	0.9	0.92	<50	<2	28	<4.0	<5	0.95	<1	35
T1 MPB 13		<5	0.9	2.09	62	<2	112	<4.0	<5	0.69	1	39
T1 MPB 14		<5	0.9	1.43	<50	<2	56	<4.0	<5	0.68	<1	39
T1 MPB 15		<5	0.7	1.47	<50	<2	60	<4.0	<5	0.64	<1	62
T1 MPB 16		<5	0.9	1.72	<50	<2	81	<4.0	<5	0.70	<1	61
T1 MPB 17		<5	1.1	2.21	<50	<2	128	<4.0	<5	1.11	<1	37
T1 MPB 18		<5	<0.5	1.88	<50	<2	105	<4.0	<5	6.44	2	47
T1 MPB 19		<5	<0.5	3.03	<50	<2	193	<4.0	<5	8.48	<1	41

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North Vancouver, B.C.
Canada V7P 2R5
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Telex: 04-352667

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REPORT: V88-00469.0

PROJECT: MPR

SAMPLE NUMBER	ELEMENT UNITS	Sn PPM	Sr PPM	Ta PPM	Te PPM	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM	Ag PPM
S1 GMPRS-1		50	9	<10	<20	<20	6	<10	7	155	3	
S1 GMPRS-2		53	8	<10	<20	<20	5	<10	7	148	3	
S1 GMPRS-3		45	29	<10	<20	<20	9	<10	8	439	2	
S1 TBS-1		<30	27	<10	<20	<20	13	<10	9	260	9	
S1 TBS-2		<30	26	<10	<20	<20	13	<10	9	904	3	
S1 TBS-3		<30	26	<10	<20	<20	11	<10	8	396	4	
S1 TBS-4		<30	23	<10	<20	<20	8	<10	7	453	4	
S1 TBS-5		<30	48	<10	<20	<20	10	<10	12	548	6	
R2 13296												<0.1
R2 13297												
R2 13298												<0.1
R2 13299												<0.1
R2 13300												
R2 13351												0.8
R2 13352												0.4
R2 13353												
R2 13354												
R2 13355												<0.1
R2 13356												0.1
R2 13357												
R2 13358												
R2 13359												22.3
R2 13360												2.1
R2 13361												
R2 13362												

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM
S1 GMPRS-1		11	19	1	3	<5	<1	10	122	99	<5	1.0
S1 GMPRS-2		27	15	1	3	<5	<1	9	124	<50	<5	1.0
S1 GMPRS-3		21	5	4	3	7	<1	31	170	<50	<5	1.0
S1 TBS-1		33	12	15	24	<5	3	69	71	<50	<5	2.0
S1 TBS-2		55	10	10	8	<5	2	26	424	<50	<5	1.0
S1 TBS-3		23	6	6	5	5	1	32	192	<50	<5	1.0
S1 TBS-4		27	9	5	5	<5	2	41	457	<50	<5	<1.0
S1 TBS-5		43	7	6	3	7	2	164	126	<50	<5	2.0
R2 13296												
R2 13297												
R2 13298												
R2 13299												
R2 13300												
R2 13351												
R2 13352												
R2 13353												
R2 13354												
R2 13355												
R2 13356												
R2 13357												
R2 13358												
R2 13359												
R2 13360												
R2 13361												
R2 13362												

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

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM
S1 GMPRS-1			<0.5	<50	<2	34	<4.0	<5	<1	47	<2	<1
S1 GMPRS-2			<0.5	<50	<2	43	<4.0	<5	<1	37	<2	<1
S1 GMPRS-3			<0.5	58	<2	52	<4.0	<5	2	16	7	<1
S1 TBS-1			1.4	<50	<2	61	<4.0	<5	2	34	15	21
S1 TBS-2			2.3	<50	<2	74	<4.0	<5	9	22	5	11
S1 TBS-3			1.5	<50	<2	148	<4.0	<5	3	13	5	6
S1 TBS-4			1.6	<50	<2	108	<4.0	<5	18	14	4	12
S1 TBS-5			1.5	<50	<2	94	<4.0	<5	6	14	19	1
R2 13296		7										
R2 13297		11										
R2 13298		7										
R2 13299		11										
R2 13300		10										
R2 13351		10										
R2 13352		<5										
R2 13353		<5										
R2 13354		5										
R2 13355		<5										
R2 13356		<5										
R2 13357		9										
R2 13358		168										
R2 13359		30										
R2 13360		20										
R2 13361		72										
R2 13362		<5										

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130 Pemberton Ave.
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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 MPRS 40		43	<10	<20	<0.01	<20	9	<10	18	81	6
T1 MPRS 41		56	<10	<20	<0.01	<20	8	<10	18	61	6

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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Mo PPM	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
T1 MPRS 40		789	<5	<0.05	2	46	0.11	32	<50	<5	3.0	<30
T1 MPRS 41		697	<5	<0.05	2	38	0.13	28	<50	<5	2.0	<30

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SAMPLE NUMBER	ELEMENT UNITS	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT
T1 MPRS 40		<1	50	22	18	31	3.62	6	0.10	26	13	0.36
T1 MPRS 41		<1	59	21	19	30	3.33	6	0.18	29	10	0.30

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North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

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PROJECT: MPR

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/wt G	Au/wt G	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT
T1 MPRS 40		6	10.0		0.8	1.05	92	<2	59	<4.0	<5	0.60
T1 MPRS 41		9	10.0		1.0	1.14	<50	<2	101	<4.0	<5	0.53

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North Vancouver, B.C.
V7P 2R5
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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	Ti PCT	Tl PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
S1 TBS-1		124	<10	<20	<0.01	<20	26	<10	4	64	14
T1 MPRS 01		50	<10	<20	<0.01	<20	11	<10	7	120	6
T1 MPRS 02		89	<10	<20	<0.01	<20	12	<10	8	211	7
T1 MPRS 03		82	<10	<20	<0.01	<20	12	<10	9	232	7
T1 MPRS 04		41	<10	<20	<0.01	<20	11	<10	9	142	6
T1 MPRS 05		46	<10	<20	<0.01	<20	14	<10	11	136	7
T1 MPRS 06		51	<10	<20	<0.01	<20	14	<10	14	152	6
T1 MPRS 07		45	<10	<20	<0.01	<20	11	<10	13	84	4
T1 MPRS 08		37	<10	<20	<0.01	<20	14	<10	15	102	8
T1 MPRS 09		61	<10	<20	<0.01	<20	14	<10	13	126	9
T1 MPRS 10		18	<10	<20	0.01	<20	13	<10	8	74	3
T1 MPRS 11		57	<10	<20	<0.01	<20	16	<10	19	153	12
T1 MPRS 12		49	<10	<20	<0.01	<20	13	<10	10	90	5
T1 MPRS 13		59	<10	<20	<0.01	<20	13	<10	11	126	5
T1 MPRS 14		48	<10	<20	<0.01	<20	14	<10	11	81	6
T1 MPRS 15		40	<10	<20	<0.01	<20	11	<10	10	207	4
T1 MPRS 16		45	<10	<20	<0.01	<20	12	<10	12	90	3
T1 MPRS 17		40	<10	<20	0.01	<20	17	<10	16	153	4
T1 MPRS 18		32	<10	<20	<0.01	<20	10	<10	10	71	3
T1 MPRS 19		27	<10	<20	<0.01	<20	6	<10	7	149	3
T1 MPRS 20		27	<10	<20	<0.01	<20	6	<10	7	136	3
T1 MPRS 21		19	<10	<20	<0.01	<20	5	<10	7	141	2
T1 MPRS 22		44	<10	<20	<0.01	<20	8	<10	7	130	5
T1 MPRS 23		41	<10	<20	<0.01	<20	7	<10	7	126	5
T1 MPRS 24		36	<10	<20	<0.01	<20	7	<10	8	159	4
T1 MPRS 25		39	<10	<20	<0.01	<20	7	<10	7	124	6
T1 MPRS 26		37	<10	<20	<0.01	<20	7	<10	7	133	5
T1 MPRS 27		23	<10	<20	<0.01	<20	5	<10	6	187	2
T1 MPRS 28		7	<10	<20	<0.01	<20	5	<10	7	138	2
T1 MPRS 29		6	<10	<20	<0.01	<20	5	<10	6	69	2
T1 MPRS 30		38	<10	<20	<0.01	<20	6	<10	7	96	4
T1 MPRS 31		93	<10	<20	<0.01	<20	5	<10	9	66	8
T1 MPRS 32		47	<10	<20	<0.01	<20	6	<10	8	148	5
T1 MPRS 33		35	<10	<20	<0.01	<20	4	<10	8	94	3
T1 MPRS 34		47	<10	<20	<0.01	<20	5	<10	7	90	4
T1 MPRS 35		23	<10	<20	<0.01	<20	2	<10	7	77	3
T1 MPRS 36		51	<10	<20	<0.01	<20	6	<10	8	128	4
T1 MPRS 37		20	<10	<20	<0.01	<20	3	<10	7	78	3
T1 MPRS 38		30	<10	<20	<0.01	<20	12	<10	10	93	8
T1 MPRS 39		42	<10	<20	<0.01	<20	9	<10	14	92	6

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North Vancouver, B.C.
V7P 2R5
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SAMPLE NUMBER	ELEMENT UNITS	Mn PPM	Mo PPM	Na PCT	Nb PPM	Ni PPM	P PCT	Pb PPM	Rb PPM	Sb PPM	Sr PPM	Sn PPM
S1 TBS-1		333	26	<0.05	1	24	0.09	27	62	<5	1.0	<30
T1 MPRS 01		364	<5	<0.05	1	31	0.07	25	<50	<5	2.0	<30
T1 MPRS 02		379	<5	<0.05	1	37	0.08	43	<50	<5	2.0	<30
T1 MPRS 03		457	<5	<0.05	1	39	0.09	39	51	<5	2.0	<30
T1 MPRS 04		178	7	<0.05	2	56	0.10	27	<50	<5	1.0	<30
T1 MPRS 05		627	<5	<0.05	1	41	0.09	39	62	<5	2.0	<30
T1 MPRS 06		789	<5	<0.05	2	50	0.11	42	61	<5	3.0	<30
T1 MPRS 07		495	<5	<0.05	1	32	0.11	24	78	<5	2.0	<30
T1 MPRS 08		789	<5	<0.05	1	55	0.12	28	<50	<5	3.0	<30
T1 MPRS 09		720	<5	<0.05	1	66	0.10	23	<50	<5	2.0	<30
T1 MPRS 10		526	<5	<0.05	1	34	0.07	19	56	<5	2.0	<30
T1 MPRS 11		960	6	<0.05	1	88	0.13	29	<50	<5	3.0	<30
T1 MPRS 12		503	<5	<0.05	1	45	0.10	18	<50	<5	2.0	<30
T1 MPRS 13		604	<5	<0.05	2	56	0.10	25	83	<5	2.0	<30
T1 MPRS 14		526	<5	<0.05	2	55	0.10	14	86	<5	2.0	<30
T1 MPRS 15		650	<5	<0.05	1	37	0.09	39	<50	<5	2.0	<30
T1 MPRS 16		619	<5	<0.05	<1	28	0.08	18	<50	<5	2.0	<30
T1 MPRS 17		712	<5	<0.05	1	33	0.08	90	<50	<5	2.0	<30
T1 MPRS 18		402	<5	<0.05	<1	28	0.06	18	73	<5	2.0	<30
T1 MPRS 19		697	<5	<0.05	<1	15	0.03	103	70	<5	1.0	54
T1 MPRS 20		712	<5	<0.05	<1	12	0.03	96	<50	<5	1.0	53
T1 MPRS 21		673	<5	<0.05	<1	10	0.02	87	<50	<5	1.0	61
T1 MPRS 22		526	<5	<0.05	<1	22	0.05	94	67	<5	2.0	<30
T1 MPRS 23		542	<5	<0.05	<1	22	0.05	58	<50	<5	2.0	35
T1 MPRS 24		581	<5	<0.05	<1	21	0.05	86	75	<5	2.0	41
T1 MPRS 25		503	<5	<0.05	<1	23	0.05	48	78	<5	2.0	34
T1 MPRS 26		488	<5	<0.05	<1	22	0.05	68	52	<5	1.0	<30
T1 MPRS 27		611	<5	<0.05	<1	7	0.02	133	<50	<5	1.0	55
T1 MPRS 28		712	<5	<0.05	<1	8	0.02	132	72	<5	1.0	41
T1 MPRS 29		511	<5	<0.05	<1	13	0.02	34	<50	<5	1.0	50
T1 MPRS 30		449	<5	<0.05	<1	17	0.04	39	<50	<5	1.0	<30
T1 MPRS 31		751	<5	<0.05	<1	25	0.12	23	104	<5	2.0	<30
T1 MPRS 32		488	<5	<0.05	<1	18	0.04	81	<50	<5	1.0	<30
T1 MPRS 33		480	<5	<0.05	<1	15	0.04	46	<50	<5	1.0	38
T1 MPRS 34		464	<5	<0.05	<1	19	0.04	53	<50	<5	1.0	<30
T1 MPRS 35		410	<5	<0.05	<1	12	0.03	33	<50	<5	1.0	42
T1 MPRS 36		550	<5	<0.05	<1	23	0.04	53	<50	<5	2.0	44
T1 MPRS 37		379	<5	<0.05	<1	12	0.03	34	<50	<5	1.0	32
T1 MPRS 38		511	<5	<0.05	2	37	0.08	30	<50	<5	3.0	<30
T1 MPRS 39		728	<5	<0.05	2	42	0.10	29	<50	<5	3.0	<30

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SAMPLE NUMBER	ELEMENT UNITS	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM	Fe PCT	Ga PPM	K PCT	La PPM	Li PPM	Mg PCT
S1 TBS-1		<1	7	2	5	55	3.24	3	0.15	2	5	1.51
T1 MPRS 01		<1	24	10	19	27	2.37	5	<0.05	13	17	0.94
T1 MPRS 02		1	27	9	17	27	2.43	3	<0.05	14	15	1.83
T1 MPRS 03		<1	26	10	14	36	2.46	3	<0.05	14	14	1.64
T1 MPRS 04		1	8	4	4	29	1.76	<2	<0.05	4	1	0.47
T1 MPRS 05		<1	42	17	21	40	3.48	5	0.06	21	19	0.67
T1 MPRS 06		1	51	20	22	49	3.71	6	0.07	26	17	0.57
T1 MPRS 07		<1	41	16	17	33	2.89	4	0.06	24	13	0.35
T1 MPRS 08		<1	54	24	17	54	4.13	4	0.06	28	15	0.50
T1 MPRS 09		<1	55	25	18	67	4.12	5	<0.05	28	16	0.58
T1 MPRS 10		<1	52	16	17	29	3.05	5	0.06	22	17	0.47
T1 MPRS 11		<1	78	34	15	90	5.22	4	0.05	38	15	0.51
T1 MPRS 12		<1	33	18	22	52	3.18	6	<0.05	17	24	0.86
T1 MPRS 13		<1	42	21	25	73	3.54	7	<0.05	22	27	1.02
T1 MPRS 14		<1	44	20	25	63	3.33	6	<0.05	22	28	0.97
T1 MPRS 15		2	23	10	13	32	2.76	5	<0.05	11	14	0.62
T1 MPRS 16		<1	24	11	16	31	2.61	3	<0.05	14	19	0.56
T1 MPRS 17		2	34	11	19	58	2.55	4	0.05	20	17	0.55
T1 MPRS 18		<1	27	10	19	27	2.33	4	<0.05	14	21	0.65
T1 MPRS 19		1	28	3	3	15	1.56	8	<0.05	2	5	5.51
T1 MPRS 20		<1	30	3	3	13	1.51	9	<0.05	1	4	5.60
T1 MPRS 21		<1	28	<2	2	11	1.31	8	<0.05	1	3	5.56
T1 MPRS 22		<1	11	7	7	29	2.02	<2	<0.05	6	8	3.76
T1 MPRS 23		<1	10	8	6	33	2.00	<2	<0.05	6	9	3.72
T1 MPRS 24		<1	12	6	5	27	1.97	<2	<0.05	5	7	4.31
T1 MPRS 25		1	12	6	6	29	1.99	<2	<0.05	6	8	3.47
T1 MPRS 26		<1	15	6	5	28	1.92	<2	<0.05	8	7	3.47
T1 MPRS 27		<1	47	<2	1	11	1.57	19	<0.05	<1	3	6.18
T1 MPRS 28		<1	33	<2	1	11	1.33	12	<0.05	<1	3	5.84
T1 MPRS 29		<1	26	<2	2	6	1.03	7	<0.05	2	3	5.50
T1 MPRS 30		<1	10	5	5	17	1.57	<2	<0.05	6	7	3.04
T1 MPRS 31		<1	6	12	6	30	2.67	<2	<0.05	3	9	0.61
T1 MPRS 32		<1	22	5	6	19	1.85	<2	<0.05	12	8	3.55
T1 MPRS 33		1	17	3	4	13	1.48	<2	<0.05	7	5	4.23
T1 MPRS 34		<1	17	4	5	19	1.64	<2	<0.05	8	6	3.78
T1 MPRS 35		<1	10	<2	2	9	1.14	<2	<0.05	4	3	4.28
T1 MPRS 36		<1	23	6	11	22	1.98	2	<0.05	12	11	3.38
T1 MPRS 37		<1	10	<2	2	8	1.20	<2	<0.05	3	2	4.23
T1 MPRS 38		<1	38	20	23	26	3.70	7	0.08	18	19	0.75
T1 MPRS 39		1	40	20	17	38	3.48	7	0.06	19	14	0.48

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North Vancouver, B.C.
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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/wt G	Au/wt G	Ag PPM	Al PCT	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca PCT
S1 TBS-1		35	10.0		1.0	0.28	169	<2	716	<4.0	<5	2.52
T1 MPRS 01		14	10.0		<0.5	0.87	<50	<2	278	<4.0	<5	2.15
T1 MPRS 02		11	10.0		<0.5	0.80	<50	<2	49	<4.0	<5	3.71
T1 MPRS 03		12	10.0		<0.5	0.73	<50	<2	59	<4.0	<5	3.24
T1 MPRS 04		18	10.0		0.5	0.20	<50	<2	66	<4.0	<5	1.45
T1 MPRS 05		8	6.0		<0.5	1.10	<50	<2	37	<4.0	<5	1.44
T1 MPRS 06		7	4.0	6.0	0.7	1.01	<50	<2	45	<4.0	<5	1.35
T1 MPRS 07		7	10.0		<0.5	0.91	<50	<2	36	<4.0	<5	0.67
T1 MPRS 08		7	10.0		0.6	0.97	<50	<2	36	<4.0	<5	0.72
T1 MPRS 09		6	10.0		<0.5	0.92	<50	<2	30	<4.0	<5	1.96
T1 MPRS 10		16		5.0	<0.5	0.96	<50	<2	21	<4.0	<5	0.44
T1 MPRS 11		9	10.0		0.7	0.92	<50	<2	46	<4.0	<5	1.44
T1 MPRS 12		8	10.0		<0.5	1.23	<50	<2	26	<4.0	<5	1.37
T1 MPRS 13		12	10.0		0.6	1.40	<50	<2	27	<4.0	<5	1.92
T1 MPRS 14		7	10.0		0.5	1.36	<50	<2	24	<4.0	<5	1.37
T1 MPRS 15		76	10.0		0.6	0.80	70	<2	40	<4.0	<5	1.19
T1 MPRS 16		10	10.0		<0.5	1.00	54	<2	43	<4.0	<5	0.78
T1 MPRS 17		23	2.0	4.0	1.3	1.04	165	<2	55	<4.0	<5	0.87
T1 MPRS 18		86	10.0		<0.5	1.04	74	<2	38	<4.0	<5	0.60
T1 MPRS 19		22	10.0		<0.5	0.19	<50	<2	395	<4.0	<5	>10.00
T1 MPRS 20		21	10.0		<0.5	0.16	<50	<2	464	<4.0	<5	>10.00
T1 MPRS 21		24	10.0		<0.5	0.11	<50	<2	67	<4.0	<5	>10.00
T1 MPRS 22		14	10.0		<0.5	0.44	56	<2	1847	<4.0	<5	7.05
T1 MPRS 23		12	10.0		<0.5	0.41	64	<2	1584	<4.0	<5	6.88
T1 MPRS 24		14	10.0		<0.5	0.36	52	<2	1158	<4.0	<5	8.34
T1 MPRS 25		15	10.0		<0.5	0.44	55	<2	1826	<4.0	<5	6.18
T1 MPRS 26		12	10.0		<0.5	0.39	62	<2	1748	<4.0	<5	6.28
T1 MPRS 27		9	10.0		<0.5	0.09	<50	<2	76	<4.0	<5	>10.00
T1 MPRS 28		20	10.0		<0.5	0.08	<50	<2	26	<4.0	<5	>10.00
T1 MPRS 29		40	10.0		<0.5	0.10	62	<2	20	<4.0	<5	>10.00
T1 MPRS 30		9	10.0		<0.5	0.34	<50	<2	63	<4.0	<5	5.73
T1 MPRS 31		7	10.0		<0.5	0.46	119	<2	17	<4.0	<5	4.76
T1 MPRS 32		12	10.0		<0.5	0.38	<50	<2	52	<4.0	<5	7.01
T1 MPRS 33		8	10.0		<0.5	0.24	<50	<2	50	<4.0	<5	8.32
T1 MPRS 34		14	10.0		<0.5	0.31	<50	<2	61	<4.0	<5	7.45
T1 MPRS 35		9	10.0		<0.5	0.11	<50	<2	28	<4.0	<5	8.30
T1 MPRS 36		10	2.0	8.0	<0.5	0.50	<50	<2	105	<4.0	<5	6.52
T1 MPRS 37		9	10.0		<0.5	0.10	<50	<2	29	<4.0	<5	8.13
T1 MPRS 38		7	10.0		0.7	1.19	<50	<2	40	<4.0	<5	0.60
T1 MPRS 39		6	10.0		1.0	0.94	<50	<2	47	<4.0	<5	1.02

APPENDIX 3

Thin Section Report

OCT 2 6 1988

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist

P.O. BOX 39
8887 NASH STREET
FORT LANGLEY, B.C.
V0X 1J0

PHONE (604) 888-1323

Report for: **Mike Nielsen,**
Yukon Minerals Corp.,
522 - 625 Howe Street,
VANCOUVER, B.C., V6C

Invoice 7746
October 1988

Samples: Geo (2), Bighorn (2), Valerie, JW, Phyll Carb

Summary:

Geo (A) brecciated dolomite-quartz-(pyrite) vein with recrystallized veinlets of quartz-calcite veinlets and patches; minor relic patches of host rock dominated by quartz or sericite.

GEO (B) kink-folded quartz-sericite schist with patches of dolomite porphyroblasts; veins and replacement patches of quartz-dolomite/calcite-pyrite.

Bighorn A ankerite/dolomite vein with lenses of pyrrhotite-pyrite, altered moderately to strongly to hematite/limonite; cut by veinlets of chlorite-quartz-(dolomite);

Bighorn B ankerite vein with patches and lenses of quartz-chlorite; hand sample contains banded chlorite-rich which may be altered host rock; ankerite altered intensely to limonite in weathered zone.

JW dolomite marble with disseminated patches of bitumen and disseminated grains and clusters of pyrite; veinlet of calcite with lenses of pyrite, hematite on its margins.

Valerie calcite/dolomite marble; disseminated patches of quartz, of tetrahedrite-(chalcopyrite-sphalerite), pyrite; lenses and patches of chlorite; tetrahedrite altered to malachite

Phyll Carb metamorphosed siliceous limestone with contorted phyllitic lenses (sericite-quartz-carbonaceous opaque; some of which are rimmed by lenses of quartz and calcite; veinlets of quartz.

John G. Payne

John G. Payne,
604-986-2928

GEO (A) Brecciated Dolomite-Quartz-(Pyrite) Vein with Quartz-Calcite Veinlets and Patches; Minor Relic Patches of Host Rock: Quartz-Sericite

The rock consists of a fine to coarse grained vein dominated by dolomite and quartz, with minor disseminated pyrite. It was brecciated and recrystallized in patches and seams to quartz-calcite. A few patches up to 2.5 mm across consist of relic host rock dominated by quartz-(sericite) or sericite.

host rock	
quartz-(sericite)	2- 3%
sericite	2- 3
dolomite	trace
early vein material	
dolomite/ankerite	50-55%
quartz	17-20
pyrite	1- 2
recrystallized	
quartz	15-17
calcite/dolomite	3- 4
sericite/muscovite	0.2

One irregular patch up to 2.5 mm in size is dominated by extremely fine grained quartz with much less sericite/muscovite. It has a prominent foliation defined by parallel orientation of mica. Dolomite forms a few disseminated, subhedral grains up to 0.05 mm in size.

Several ragged patches up to 1 mm in size consist of extremely fine to very fine grained sericite.

In the vein, dolomite forms anhedral grains averaging 0.5-2 mm in size. These are recrystallized partly to much finer grained aggregates, probably during brecciation. Much of the dolomite contains dusty inclusions, and some grains contain patches of secondary limonite up to 1.5 mm in size, suggesting that some of the carbonate is ankeritic.

Quartz forms anhedral grains averaging 0.5-1.5 mm in size. It contains minor to moderately abundant dusty inclusions, and commonly is strained moderately to strongly, and recrystallized partly to extremely fine grained, subgrain aggregates.

Pyrite forms disseminated grains and clusters of grains averaging 0.05-0.1 mm in size, with a few grains up to 0.8 mm across, and a few clusters up to 0.5 mm across.

Recrystallized patches and veinlets are dominated by very fine to fine grained quartz and very fine grained calcite, with minor very fine grained sericite/muscovite flakes. Some patches of quartz have a strained texture but lack the dusty inclusions of the primary quartz. In these, textures are intermediate between those typical of early-formed and those of recrystallized quartz. Calcite grains lack dusty inclusions in contrast to adjacent dolomite grains with abundant dusty inclusions.

GEO (B) Deformed Quartz-Sericite Schist, Dolomite Porphyroblasts; Veins and Replacement Patches of Quartz-Calcite/Dolomite-Pyrite

The rock is an extremely fine grained schist dominated by quartz with sericite/muscovite concentrated in wispy seams parallel to foliation. Tight kink folds are developed strongly in the micaceous seams. Veins and replacement patches consist of very fine to locally fine grained quartz with lesser calcite/dolomite and locally abundant pyrite.

host rock	
quartz	40-45%
sericite/muscovite	8-10
dolomite	3- 4
pyrite	0.5
carbonaceous opaque	0.1
vein	
quartz	30-35
dolomite/calcite	10-12
pyrite	3- 4
galena	trace

The host rock is dominated by quartz grains averaging 0.01-0.02 mm in size, with minor disseminated sericite. Several patches and lenses are dominated by slightly coarser grained quartz averaging 0.02-0.05 mm in size.

Sericite is concentrated in delicate seams and broader bands parallel to foliation. Mica-rich layers were deformed strongly by tight kink folds.

Carbonaceous opaque is concentrated strongly in seams parallel to and generally associated with those of mica.

Pyrite forms subhedral to euhedral cubic grains up to 0.3 mm in size, concentrated in mica-rich bands. A few larger ones are bordered by a pressure shadow containing very fine grained quartz oriented subperpendicular to a pyrite crystal faces. Pyrite is concentrated slightly in grains averaging 0.01 mm in size in the mica-rich bands.

Dolomite is concentrated along one side of the rock as ragged porphyroblasts and replacement patches, with grains averaging 0.5-0.8 mm in size. Elsewhere, it forms scattered, euhedral rhombic grains averaging 0.03-0.05 mm in size.

Irregular veins, probably mainly of replacement origin, are dominated by very fine to fine grained quartz, dolomite, and generally much lesser pyrite. Quartz generally forms aggregates of anhedral, equant grains. Adjacent to larger patches of pyrite, quartz commonly forms subparallel aggregates of very fine to fine grains oriented subperpendicular to crystal faces of pyrite grains.

A few grains of dolomite are up to 1.2 mm in size; these contain abundant dusty brown inclusions, similar to dolomite in Sample GEO (A). These commonly are rimmed by zones of dolomite/calcite free of such inclusions.

Pyrite is concentrated in one band up to a few mm across parallel to foliation, in which it is intergrown intimately with quartz and dolomite/calcite. It forms clusters up to 1 mm in size of anhedral to subhedral grains averaging 0.03-0.1 mm in size. Many of these are slightly anisotropic. Several patches are replaced slightly to moderately by irregular to lensy patches of hematite.

Galena forms an equant grain 0.02 mm across within a quartz grain.

Bighorn (A) Ankerite/Dolomite-(Pyrrhotite-Pyrite) Vein cut by Veinlets of Chlorite-Quartz

The rock is a medium to coarse grained vein of ankerite/dolomite with lenses of pyrrhotite-pyrite, stained brown by secondary limonite. It is cut by irregular veinlets up to a few mm wide of very fine to fine grained chlorite and quartz. Along borders of veins, ankerite/dolomite is recrystallized to dolomite.

ankerite/dolomite	83-85%
pyrrhotite	2- 3
pyrite	1
chalcopyrite	trace
limonite	1- 2
late veins, veinlets, patches	
chlorite	5- 7
quartz	4- 5
dolomite	Ø.5

Ankerite/dolomite forms anhedral grains averaging Ø.5-1.5 mm in grain size. It contains minor interstitial seams and patches of extremely fine grained quartz and chlorite, which may be related in origin to the later veinlets.

Pyrrhotite and pyrite occur in lenses and patches up to 1 mm in length. Pyrrhotite forms very fine to extremely fine grained aggregates; it is altered moderately to strongly to secondary pyrite/marcasite, which in turn is altered to hematite/limonite.

Pyrite forms anhedral to euhedral grains averaging Ø.Ø3-Ø.1 mm in size. It is altered slightly to strongly on grain borders to hematite.

Irregular patches of limonite up to 1 mm in size were formed by weathering of Fe-sulfides, and possibly to a much lesser extent by weathering of carbonate.

Chalcopyrite forms a very few grains up to Ø.Ø3 mm in size.

The vein was fractured along irregular seams and lenses up to Ø.5 mm in width. In these extremely fine grained fragments of ankerite/dolomite are surrounded by a matrix of limonite.

Discontinuous veins, veinlets and patches up to a few mm wide consist of one or both of extremely fine to very fine grained chlorite and fine to very fine grained quartz. Many larger veins filled fractures in the ankerite/dolomite-rich vein; smaller veinlets are more irregular. One chlorite-rich vein contains abundant disseminated patches of limonite averaging Ø.Ø2-Ø.Ø5 mm in size, either after pyrite or carbonate. Bordering the veins, borders of ankerite/dolomite grains were recrystallized to dolomite free of dusty inclusions; recrystallized zones maintain optical continuity with ankerite/dolomite grains in the main vein.

Bighorn (B) Ankerite-Quartz-Chlorite Vein with Minor Opaque; Strong Alteration to Limonite/Hematite; Chlorite-Rich Band may be Altered Host Rock

The rock is a medium to coarse grained vein dominated by ankerite with patches and late veinlets of quartz and chlorite. At one side of the hand sample is a finely laminated zone dominated by dark green chlorite; this may be an alteration zone in the host rock on the border of the vein. (This zone was not present in the thin section). At the other side of the hand sample is a weathered zone in which ankerite is altered strongly to hematite/limonite. A few opaque patches and lenses are dominated by limonite/hematite after original pyrrhotite and pyrite lenses as in Bighorn (A).

(Note: Thin section only - no polished section.)

ankerite	70-75%	(values for thin section)
quartz	17-20	
chlorite	4- 5	
opaque	1- 2	
sericite	trace	
limonite/hematite	4- 5	

Ankerite forms anhedral, equant grains averaging 0.7-1.5 mm in size. In places it is recrystallized to irregular, fine grained aggregates. Some coarse grains show moderately strained extinction. It generally has a pale brown color from abundant dusty inclusions. In places, ankerite is altered moderately to strongly along cleavage planes to limonite. In some patches of the rock, alteration is more intense to massive limonite/hematite. Adjacent to patches of quartz and less commonly chlorite, ankerite was recrystallized to colorless grains free of dusty inclusions.

Pyrrhotite/pyrite forms interstitial lenses and patches up to 0.7 mm in size of extremely fine to very fine grains. Most occur in ankerite, and a few occur in quartz. Many of these patches are altered strongly to completely to hematite/limonite, in part opaque and in part translucent red-orange..

Quartz forms irregular to elongate patches up to a few mm across of fine to locally medium and coarse grained aggregates of anhedral grains. Coarser grains commonly are strained moderately and recrystallized slightly to finer grained subgrain aggregates.

Chlorite forms irregular patches averaging 0.1-0.5 mm in size of extremely fine grained aggregates, in part intergrown with or along borders of lenses of quartz. Associated with some seams of chlorite are scattered patches of pyrrhotite/pyrite. It is common in wispy seams interstitial to ankerite grains.

Sericite forms scattered flakes up to 0.07 mm in size in quartz, commonly near grains or patches of chlorite.

Hematite/limonite forms dense patches in one corner of the section; it probably is mainly after ankerite, but some may be after Fe-sulfides.

Ankerite is granulated along several irregular seams in which extremely fine fragments of ankerite are surrounded by limonite/hematite.

JW Bitumenous Dolomite Marble; Minor Pyrite; Calcite Veinlet

The rock is a coarse grained marble dominated by dolomite/calcite with interstitial patches of bitumen and minor disseminated pyrite. It is cut by a veinlet of calcite bordered by a few lenses rich in pyrite/hematite.

dolomite/calcite	92-93%
bitumen	4- 5
pyrite	1- 1.5
veinlet	
calcite	1- 2
pyrite/hematite	0.1

The rock is dominated by medium to coarse grained dolomite, much of which contains dusty inclusions, probably of carbonaceous material. Carbonate reacts slowly to moderately with dilute HCl. At one end, a dark grey zone (in hand sample) contains moderately abundant patches of bitumen up to 0.05 mm in size. In this zone, reaction of the rock with dilute HCl is very slow.

Bitumen also forms angular aggregates up to 1.2 mm in size with fine to very fine grained textures. These occur in interstitial patches between dolomite grains. Bitumen generally has strongly strained extinction with subradiating to radiating structures.

Pyrite forms clusters of grains disseminated, subhedral grains averaging 0.05-0.2 mm in size. It is altered slightly to moderately, and locally strongly along grain borders to hematite.

The rock is cut by a vein averaging 0.2-0.4 mm wide of very fine to fine grained calcite. Calcite is distinguished from dolomite of the host rock, because the former is free of dusty inclusions. The vein is bordered by a few irregular lenses averaging 0.3-0.7 mm long of extremely fine grained pyrite, much of which is replaced by hematite.

Valerie — Calcite-Dolomite Marble; Disseminated Patches of Quartz, Chlorite, Tetrahedrite, Pyrite, and minor Chalcopyrite and Sphalerite; Secondary Malachite

The rock is a medium to coarse grained marble composed of calcite/dolomite with disseminated patches up to a few mm across of tetrahedrite, smaller ones of pyrite and quartz, and minor ones of chalcopyrite and sphalerite. Chlorite occurs in patches and lenses, some of which may be late veinlets. Associated with some of the latter are stringers of barite(?). Tetrahedrite is altered to malachite and minor azurite.

calcite/dolomite	90-92	bornite	trace
quartz	1- 2	arsenopyrite	trace
chlorite	1- 2	malachite	0.5%
tetrahedrite	2- 3	covellite	trace
pyrite	1- 2	azurite	trace
chalcopyrite	minor		
sphalerite	minor		
late veinlets			
barite(?)	minor		

Calcite/dolomite forms anhedral, equant grains averaging 0.7-1.5 mm in size, with a few patches of moderately finer grained aggregates, possibly formed by recrystallization of coarser grains.

Quartz forms a very few patches up to 1 mm across of anhedral grains averaging 0.3-1 mm in size. On the border of the patch are a few patches up to 0.15 mm across of extremely fine grained, pale green chlorite.

Chlorite forms a few similar patches surrounded by carbonate. Some quartz patches and grains are associated with smaller patches of tetrahedrite. A few discontinuous chlorite lenses are 2.5 mm long and up to 0.2 mm wide.

Tetrahedrite forms irregular patches up to a few mm across. It is fractured slightly to moderately and altered slightly along fractures to extremely fine grained aggregates of malachite. On the weathered surface, tetrahedrite patches are altered to malachite. A few late veinlets on fracture surfaces in the hand sample consist of azurite and malachite.

Pyrite forms disseminated, subhedral to euhedral grains averaging 0.02-0.1 mm in size, with a few up to 0.55 mm across, and a few clusters of grains averaging 0.1-0.6 mm in size. A few of these contain inclusions averaging 0.01-0.02 mm in size of one or more of chalcopyrite, bornite, and sphalerite(?). A very few clusters contain interstitial patches up to 0.05 mm in size of chalcopyrite, and one is dominated by chalcopyrite enclosing a few subrounded pyrite grains.

Chalcopyrite forms disseminated grains averaging 0.02-0.05 mm in size. With sphalerite it is concentrated moderately in some tetrahedrite patches. A few chalcopyrite grains are altered slightly to strongly to extremely fine grained covellite.

Colorless sphalerite forms a few subrounded patches from 0.06-0.15 mm long within patches of tetrahedrite. Between sphalerite and tetrahedrite commonly is a thin rim of chalcopyrite. Sphalerite contains moderately abundant exsolution lenses up to 0.005 mm in length of chalcopyrite.

Arsenopyrite forms two subangular grains from 0.015-0.05 mm in size in one tetrahedrite grain.

A few chlorite seams contain a core up to 0.015 mm wide of an unknown mineral with moderate relief and low birefringence and hardness. It may be barite.

Phyll Carb — Metamorphosed Siliceous Limestone with Contorted Phyllitic Lenses and Quartz Veinlets

The sample is a very fine grained siliceous limestone dominated by dolomite/calcite with lesser quartz. It contains seams and irregular patches of phyllite dominated by quartz or sericite and carbonaceous opaque, commonly rimmed by quartz-calcite. These contain minor tourmaline, zircon, and pyrite. A few veinlets and patches are of very fine grained quartz. A moderate lineation is parallel to axial planes of tight folds in phyllitic seams.

dolomite/calcite	55-60%
quartz	20-25
phyllite lenses	
sericite	3- 4
quartz	4- 5
tourmaline	minor
zircon	minor
pyrite/hematite	minor
carbonaceous opaque	1- 2
quartz lenses	4- 5
calcite lenses	1- 2
veinlets	
quartz	1- 2

Carbonate forms anhedral grains averaging 0.05-0.1 mm in size. Most of it has moderate relief, suggesting that it is dolomite rather than calcite. The rock reacts moderately quickly with dilute HCl, suggesting that some calcite is present. Much of the carbonate (probably dolomite) contains dusty semiopaque inclusions and is rimmed by wispy seams of opaque/semiopaque, which gives the rock its dark grey color.

Quartz forms anhedral grains averaging 0.03-0.07 mm in size interstitial to carbonate. It is concentrated locally in [patches up to 0.7 mm in size.

Phyllitic seams average 0.05-1 mm in width. Many are tightly contorted and folded. Some are dominated by extremely fine grained quartz with lesser sericite and carbonaceous opaque. A few narrow seams are dominated by carbonaceous opaque and lesser sericite.

Zircon and tourmaline each form subrounded grains averaging 0.03-0.05 mm in size, concentrated mainly in thin seams of carbonaceous opaque-sericite. Tourmaline is pleochroic from light yellowish green to medium/dark green. A few grains are color zoned, with darker green cores surrounded by lighter green rims. A few grains have a thin, partial overgrowth of colorless tourmaline. The presence of tourmaline and zircon confirms the detrital nature of the phyllitic seams.

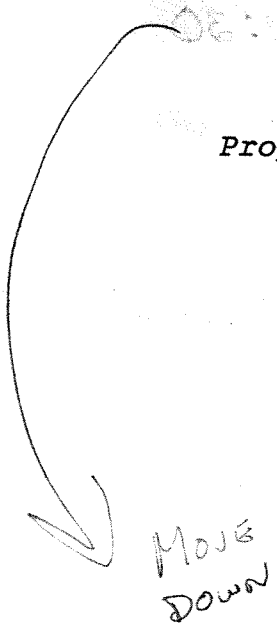
Pyrite forms disseminated grains up to 0.2 mm across in the same layers, and locally forms clusters of euhedral to subhedral cubic grains averaging 0.01-0.03 mm in size. It is altered moderately to completely to hematite.

Many phyllitic layers are rimmed by zones averaging 0.3-0.5 mm wide of very fine to locally fine grained quartz, which shows a prominent foliation parallel to axial planes of folds in the phyllite seams. Several of these quartz-rich lenses are bordered by a zone of fine grained calcite, in which grains also are elongated subparallel to foliation.

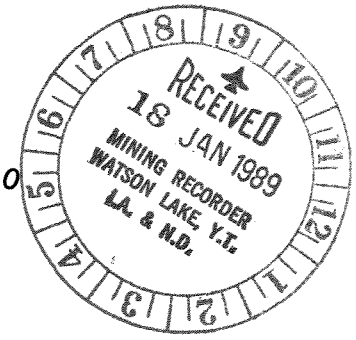
Veinlets up to 0.4 mm wide are dominated by quartz grains averaging 0.1-0.2 mm in size.

APPENDIX 4

Property Photographs



092658



COST STATEMENT FOR MPR 1-152, 105-F-10

ADDENDUM TO: ASSESSMENT REPORT, MPR PROJECT
DATED DECEMBER 1988
BY: GEORGE E. NICHOLSON

Assays		$ 9,743.95
Room & Board		1,001.00
Fuel (vehicles)		2,601.81
Vehicles (4x4, Dump truck, Honda 4 trax)		9,825.39
Radio Rentals		800.00
Air fares		1,401.00
Camp (incl. groceries, propane, equipment)		16,866.53
Field supplies		4,717.11
Helicopter Charter		9,564.60
Equipment:		
D7G Cat,	272.5 hrs. @ $120.00/hr	32.700.00
JD450, Hoe	13.0 hrs. @ $ 55.00/hr	715.00
Equipment Fuel:		
D7G	272.5 hrs. @ 8.0 gal/hr @ $2.70/gal	5,886.00
JD450	13.0 hrs. @ 4.0 gal/hr @ $2.70/gal	140.40
Report and Map preparation (Nicholson)		7,200.00
Wages:		
G. Nicholson	62 days @ $320.00/day	19,840.00
B. Buchanan	62 days @ $225.00/day	13,950.00
M. Nielsen	22 days @ $225.00/day	4,950.00
P. Ramaekers	3 days @ $300.00/day	900.00
T. McCrory	18 days @ $300.00/day	5,400.00
T. Buchanan	31 days @ $ 60.00/day	1,860.00
J. Tickner	23 days @ $ 60.00/day	1,380.00
J. Tickner	14.5 @ $225.00/day	3,262.50
C. Ollie	28 days @ $150.00/day	4,200.00
A. MacDonald	8.5dasy @ $225.00/day	1,912.50
R. Anchikoski	3 days @ $240.00/day	720.00
P. McCrory	3.5days @ $ 60.00/day	210.00
T. Bissett	15 days @ $225.00/day	3,375.00
TOTAL EXPENSED		$165,122.79

COST DISTRIBUTED TO FOLLOWONG CATEGORIES:

GEOLOGI (mapping, sampling, supervision)	$34,675.79
PROSPECTING	$29,722.10
TRENCHING (incl. access to trenches)	$77,607.71
GRID and SAMPLING	$13,209.82
REPORTING and INTERPRETATIONS	$9,907.37