

ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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ASSESSMENT REPORT

describing

PROSPECTING, GEOCHEMICAL SAMPLING AND GEOLOGICAL MAPPING

on the

TEACH CLAIMS

Teach 1-2F YC02352-YC02353
3-6 YC02255-YC02258
7F YC02354

Latitude 63°57' N; Longitude 135°12' W

NTS 105M/14

in the

MAYO MINING DISTRICT
YUKON TERRITORY



094204

Prepared by

Archer, Cathro & Associates (1981) Limited

W.A. Wengzynowski, P.Eng.
December, 2000

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Act and is allowed as
exploration work in the amount

2750.00

M. R. [Signature]

for the Department of Energy, Exploration and
Natural Resources for Commission
Yukon Territory.

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
HISTORY.....	1
PROPERTY, LOCATION AND ACCESS	1
GEOMORPHOLOGY	2
REGIONAL GEOLOGY AND MINERALIZATION.....	2
PROPERTY GEOLOGY	3
MINERALIZATION AND GEOCHEMISTRY.....	4
CONCLUSIONS AND RECOMMENDATIONS	7
REFERENCES	8

APPENDICES

- I AUTHOR'S STATEMENT OF QUALIFICATIONS
- II CERTIFICATES OF ANALYSIS
- III ROCK SAMPLE DESCRIPTIONS

FIGURES

<u>NO.</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
1	Property Location.....	Following Page 1
2	Claim Location.....	Following Page 1
3	Regional Setting.....	Following Page 2
4	Regional Geology.....	Following Page 2
5	Property Geology.....	Following Page 3
6	Rum Tum Vein.....	Following Page 4
7	Sample Location.....	Following Page 6
8	Lead Geochemistry.....	Following Page 6
9	Silver Geochemistry.....	Following Page 6

INTRODUCTION

The Teach property covers a prospective geological setting for silver vein mineralization in the Keno Hill District which is one of the most productive silver camps in Canada having yielded more than 210 million ounces since 1913 (UKHM, 1988).

Most silver production has come from galena and freibergite rich ore shoots in a series of north to east-northeast trending veins found within a 120 sq km area. No mining is being conducted in the area at this time.

Exploration was conducted on the Teach property between August 10 and 12 and consisted of prospecting, geological mapping and soil sampling. This work was completed by a three-person crew working from a tent camp near the property and was supervised by the author whose Statement of Qualifications appear in Appendix I.

HISTORY

Previous work (prior to 1984) on the former Laurasia property (now covered by the Teach claims) consisted of geological mapping, localized soil geochemical surveys, bulldozer trenching, road construction and legal claim surveys. The work exposed two weakly mineralized structures called the Nabob #2 and Rum Tum Veins and outlined a zone of anomalous lead and silver geochemical response.

In 1984 work consisted of a soil sampling program that covered the entire property with the exception of cliffs in the northeast corner of the claim block. This work outlined an 800 by 1250 m east-northeasterly trending silver-lead anomaly (referred to as the Decker Zone) with values up to 5.4 and 750 ppm, respectively. Although this new anomaly was promising, no follow up work was done.

PROPERTY, LOCATION AND ACCESS

The property is located on the north side of Keno Hill in central Yukon at latitude 63°57'N and longitude 135°12'W on NTS map sheet 105M/14 (Figure 1). The claims (Figure 2) are registered with the Mayo Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them on behalf of a private syndicate. Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Teach 1-2F	YC02352-YC02353	February 11, 2005
3-6	YC02255-YC02258	February 11, 2005
7F	YC02354	February 11, 2005

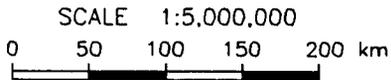
*Expiry dates include work filed for assessment credit but not yet accepted.

The property is accessible in summer and fall from the small community of Keno City by 16 km of gravel road, the last 5 km of which is only suitable for four-wheel drive vehicles. Keno City is accessible by all-weather highway from Whitehorse, which lies 440 km to the south.

FIGURE 1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

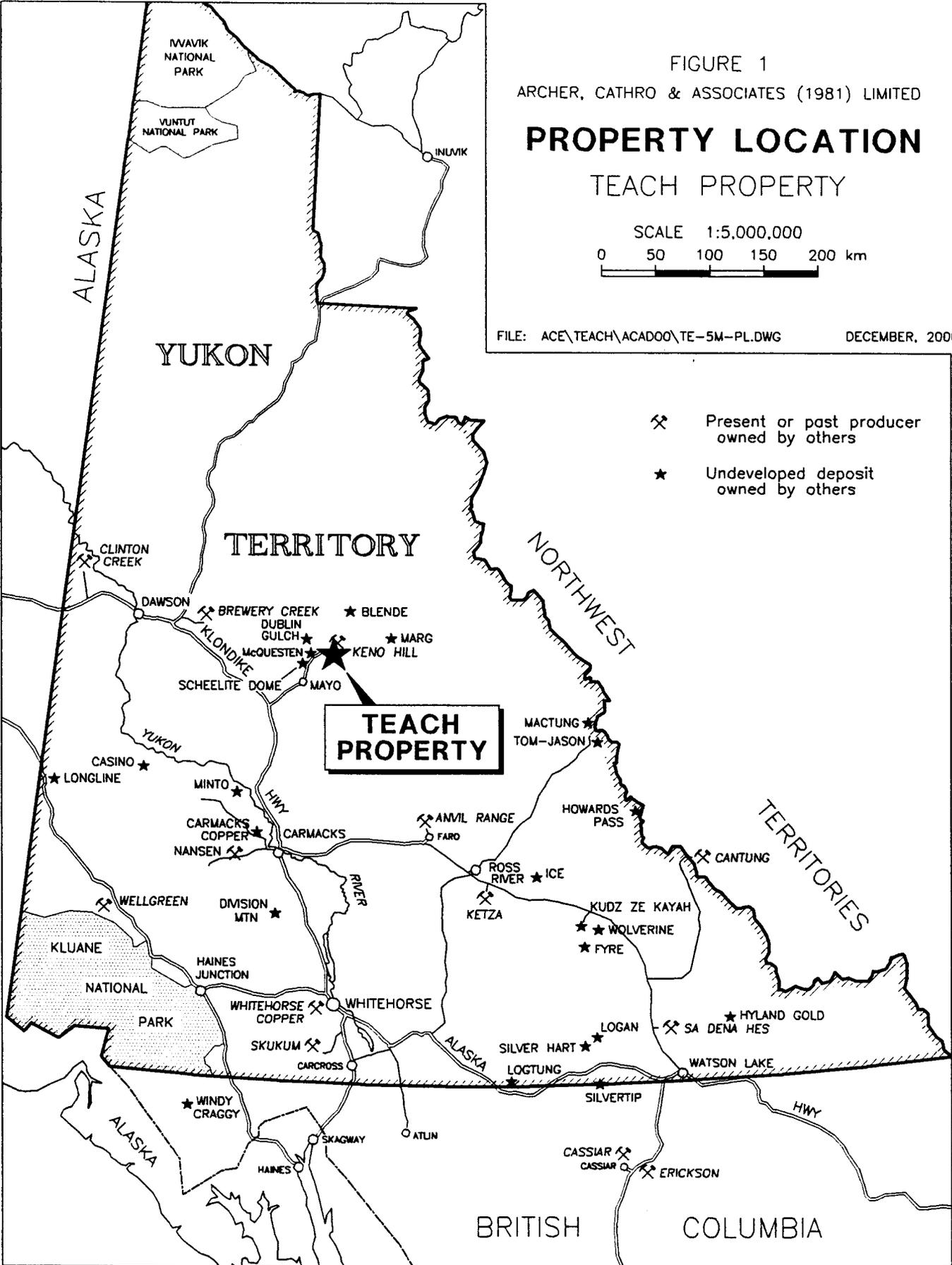
PROPERTY LOCATION

TEACH PROPERTY



FILE: ACE\TEACH\ACAD00\TE-5M-PL.DWG

DECEMBER, 2000



- ⌘ Present or past producer owned by others
- ★ Undeveloped deposit owned by others

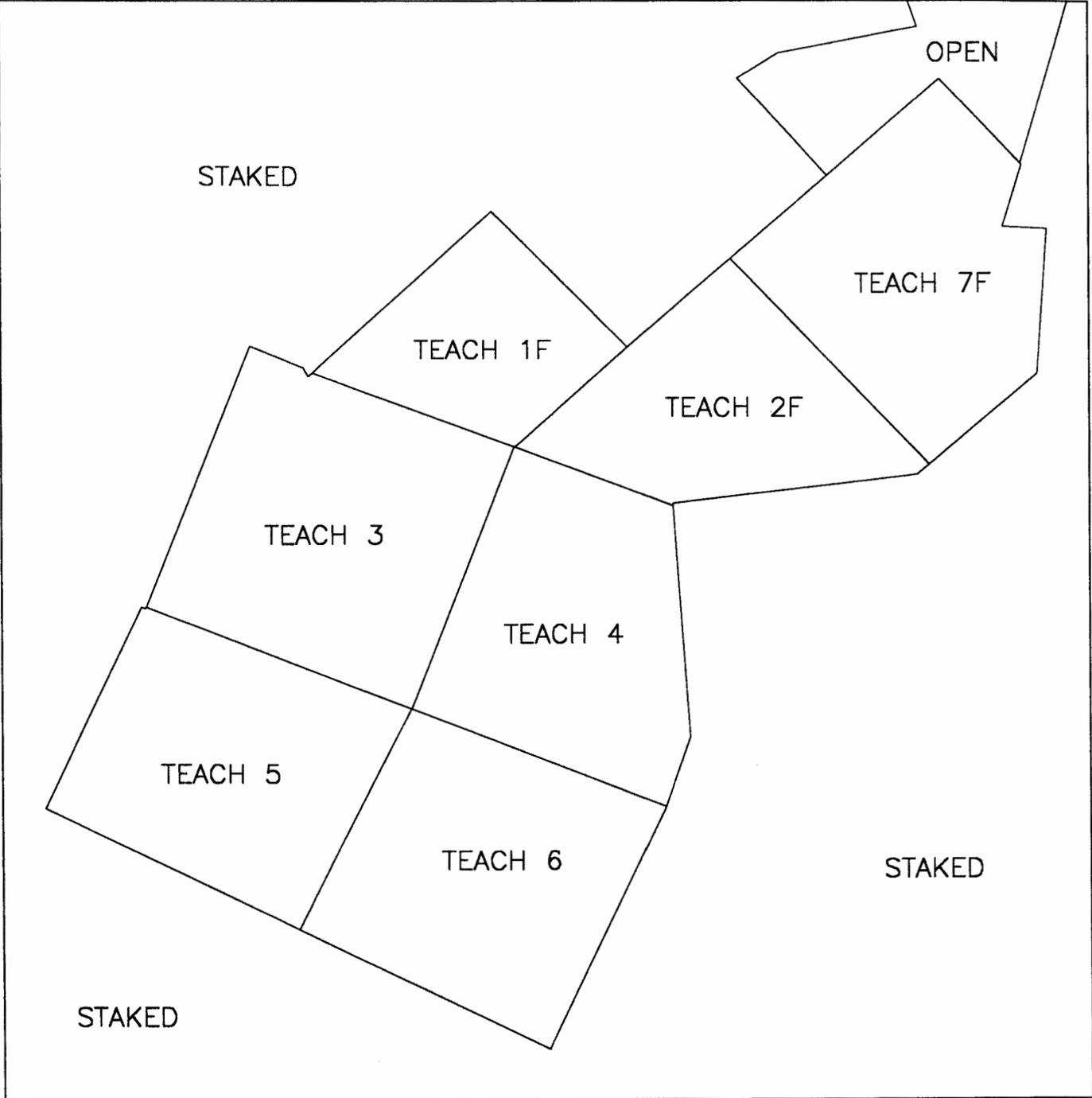


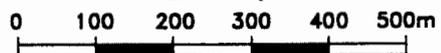
FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

TEACH PROPERTY

SCALE 1:10,000



105m/14



LOT 1002
R-5A
QUAD 106E

Ladue
Creek

Gambler
Lake B

Gulch

Dawn
Gulch

KENO
SUMMIT

MINTO

Gulch

LOT 795
BOKA

LOT 796
BINGO

LOT 797
BLUEFOX

LOT 21
SOLO 2

LOT 22
PINCHLE

LOT 23
PORCUPINE

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KANGAROO

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GEOMORPHOLOGY

The claims cover a series of gentle knolls and plateaus northwest of the Keno Hill summit. Creeks draining the property flow northward into the Keno Ladue River which is part of the Yukon River watershed.

Elevations range from 1350 m in Faro Gulch to 1660 m atop a knoll in the north-central part of the claim block. Topographic relief over most of the property is gentle (typically between 5 and 25°) with the exception of the northeastern corner which covers slopes exceeding 30° including impassable cliffs. The entire property lies above the upper limit of Middle Pleistocene valley glaciation.

Vegetation consists of dense growths of buckbrush and willow to about 1450 m which gradually gives way to moss and lichen above 1550 m.

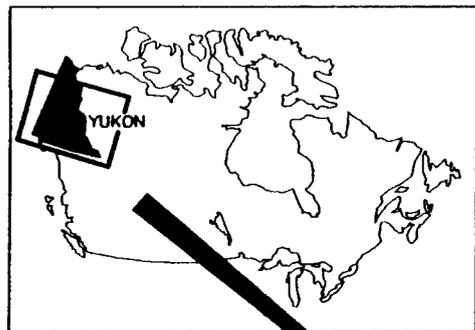
REGIONAL GEOLOGY AND MINERALIZATION

The Teach property is located within stratigraphy of the Selwyn Basin. Simplified regional geology is shown on Figure 3 which depicts Upper Proterozoic to Lower Cambrian Hyland Group stratigraphy thrust over Paleozoic metasedimentary units of the Keno Hill Quartzite, Lower Schist, Earn Group and Road River Group. All stratigraphic units have been intruded by Cretaceous age intrusions assigned to the Tombstone Suite.

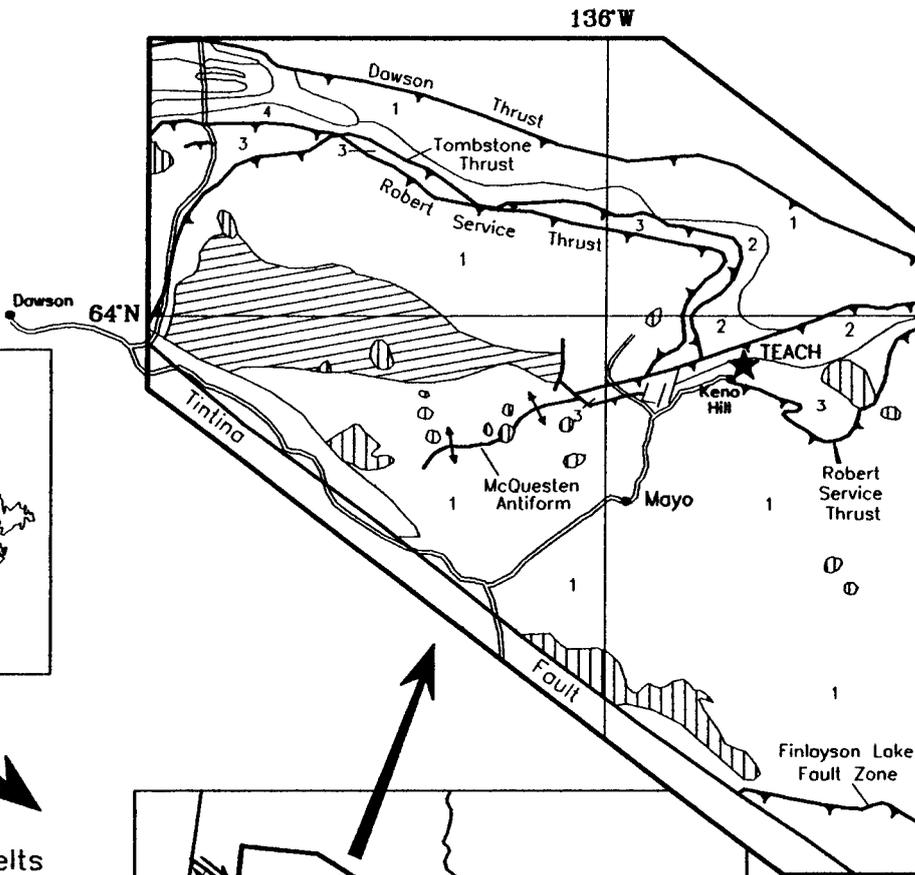
Geological mapping in the Keno Hill District was done by the Geological Survey of Canada (GSC) during several periods starting in 1950. Most work is reported in Green (1971), Boyle (1965) and McTaggart (1950). The most recent mapping (1996) was completed by D.C. Murphy under the Canada/Yukon Economic Development Agreement. This work has integrated numerous publications dating from 1920 to 1995. The results are published at 1:50,000 scale by Exploration and Geological Services Division (DIAND).

The area in the immediate vicinity of the property, illustrated on Figure 4, is predominantly underlain by Mississippian Keno Hill Quartzite and Devonian-Mississippian metasediments of the Earn Group. Both formations are intruded by mafic Triassic and felsic Cretaceous sills and dykes. The dominant structural features in the area are the Robert Service Thrust, the surface trace of which is 8 km to the south, and the Tombstone Thrust which parallels the Ladue River valley bottom 4 km to the north.

The formations have been folded into a broad, southerly plunging anticline (Mayo Lake Anticline). They were subsequently cut by the thrust fault and then the western limb of the Mayo Lake Anticline was folded into a southwesterly plunging anticline, called the McQuesten Lake Anticline. The vein faults were formed after the latest anticlinal deformation.



-  Coastal and Insular Belts
-  Intermontane Belt
-  Yukon-Tanana Terrane and Slide Mountain Terrane
-  Ancestral North America including Cassiar Terrane



-  Cretaceous intrusions
-  Jurassic clastic rocks
-  Mississippian Keno Hill Quartzite
-  Devono-Mississippian Earn Group
-  Ordovician-Silurian Road River Group
-  Proterozoic-Lower Cambrian Hyland Group

SCALE 1:2,000,000
 0 50
 km

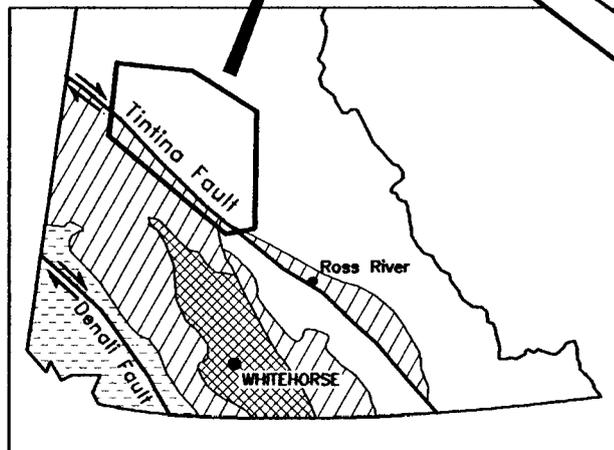
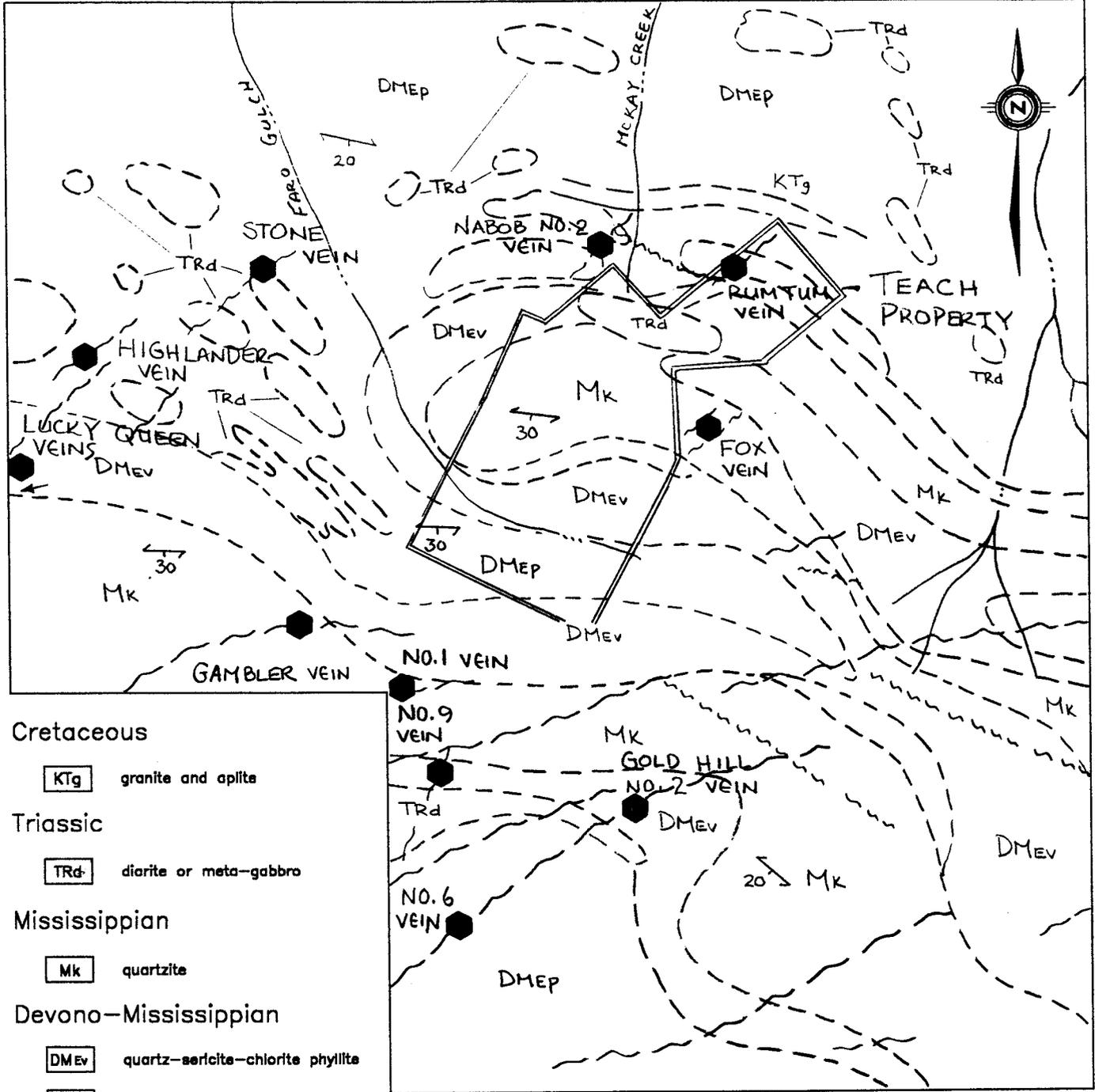


FIGURE 3
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL SETTING
 TEACH PROPERTY



Cretaceous

KTg granite and aplite

Triassic

TRd diarite or meta-gabbro

Mississippian

Mk quartzite

Devono-Mississippian

DMEv quartz-sericite-chlorite phyllite

DMEp carbonaceous phyllite

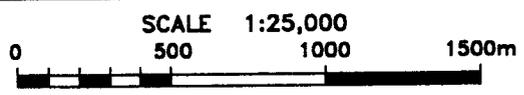
--- geological contact, inferred

~~~~ vein fault

~~~~~ cross fault



FIGURE 4
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
 TEACH PROPERTY



Transverse and longitudinal vein faults strike north to east-northeast and dip moderately to steeply southeast between 60 and 80°. They exhibit normal, left lateral offset varying from a few metres to 1000 m. These structures are complex extensional features that host most of the silver-lead ore shoots documented in the Keno Hill District. The age relationship between the two is not well understood. Mineralization typically consists of galena, sphalerite, freibergite and pyrite in a siderite and/or quartz gangue. Arsenopyrite (with gold values), pyrite and sulfosalts, plus minor galena, sphalerite and freibergite occur in more northerly striking quartz gangue splays tapering off the main vein structure. A number of veins associated with transverse and/or longitudinal faults are documented in the vicinity of the Teach property and are shown on Figure 4. Two of the veins (Lucky Queen and No. 9) were high grade mined from surface as recently as 1990 by Archer Cathro. Over 100 tonnes of material was extracted from each area, averaging 400 opt of silver from Lucky Queen and greater than 200 opt from the No. 9 Vein. The Lucky Queen vein reportedly produced 10.9 million ounces from earlier underground workings and the No. 9 Vein 12.5 million ounces (UKHM, 1988). The Gambler Vein, also in the vicinity of the property, produced approximately 47,000 ounces of silver.

Cross faults are epigenetic features (with respect to vein faults) that strike northwest and dip about 45° west. They exhibit normal, right hand displacement with offsets ranging from a metre to thousands of metres. Mineralization associated with cross faults is similar to that observed in vein faults but is generally not of economic significance.

PROPERTY GEOLOGY

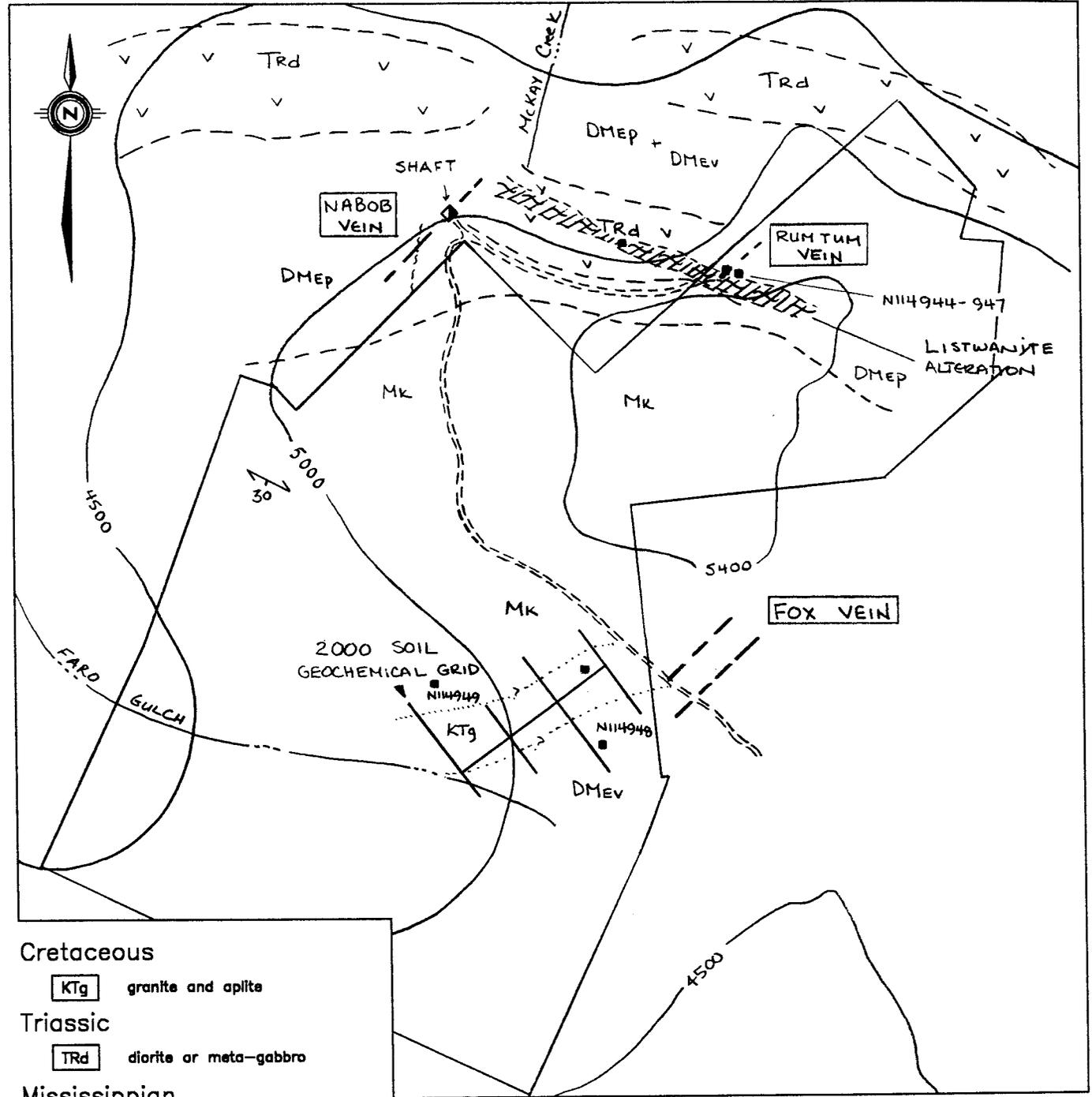
Bedrock exposure is rare except in the northern part of the property where cliffs are common. The geology illustrated on Figure 5 is a compilation of recent mapping by Eaton (1984), Murphy (1996) and the author (2000).

Four units are recognized and described below. Two are Mississippian or older metasediments belonging to Selwyn Basin while the other two are younger intrusives.

Lithology

Earn Group metasediments are divided into two subunits. The first (DMEv) consists of green-white to grey-green, quartz-sericite-chlorite phyllite locally with millimetre scale quartz augen. These rocks may have a volcanic affinity. This unit also contains thin lensy intervals of carbonaceous phyllite. The second subunit (DMEp) is comprised of grey carbonaceous phyllite, lesser siliceous carbonaceous meta-siltstone and rare calcareous greywacke.

Keno Hill Quartzite (Mk) is the most common rock type seen in the central part of the property. It is pale to dark grey, massive to finely foliated and weathers to large blocks. This material comprises most of the talus northwest of the soil geochemical grid.



- Cretaceous**
- KTg granite and aplite
- Triassic**
- TRd diorite or meta-gabbro
- Mississippian**
- Mk quartzite
- Devono-Mississippian**
- DMEv quartz-sericite-chlorite phyllite
 - DMEp carbonaceous phyllite
- geological contact, inferred
 - - - vein fault
 - ~ ~ ~ cross fault
 - rock sample location and number

FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

TEACH PROPERTY

SCALE 1:10,000

0 100 200 300 400 500m

FILE:AC-PROTO\AP3HP-1K.DWG DATE: December, 2000

Intrusive

Diorite or meta-gabbro is pale to dark green, medium grained and forms concordant podiform to lenticular bodies. It was referred to in past reports as greenstone. Three such bodies outcrop in the northern part of the claim block.

Granite and aplite are tan to cream colour, locally porphyritic and occur as dykes and sills. One sill was mapped in the central portion of the geochemical grid and is described as a quartz-eye rhyolite porphyry.

Structure

All lithologies are weakly to well foliated. Local foliation orientations trend roughly northwest and dip shallowly between 20 and 30° to the southwest.

Transverse, longitudinal and cross faults are present and have orientations as described in the Regional Geology and Mineralization section.

MINERALIZATION AND GEOCHEMISTRY

Mineralization

Four transverse vein systems have been identified on and immediately adjacent to the property. The Rum Tum Vein is located in the northern part of the claim block while its possible offset extension, the Nabob #2 Vein, comes to surface west of the Teach 1F claim on the Cambra Fraction. It projects onto the Teach property at a depth of about 170 m. Two other veins (Lakeview and Fox) are situated about 700 m to the south, immediately northeast along strike from the 1984 soil geochemical anomaly.

Rum Tum Vein is exposed on a cliff face at the end of a bulldozer cut in the northern part of the claim block. It consists of three quartz±carbonate±sulphide veins (Figure 6) exposed within a 5 m wide fracture zone. The veins are hosted within a listwanite altered diorite associated with a cross fault that extends from the Rum Tum Vein 450 m northwest to the Nabob #2 Vein.

The Rum Tum Vein strikes northeast to north-northeast and dips steeply between 50 and 70° to the southeast. The main structure can be traced on surface for about 15 m. It projects beneath talus cover beyond the bulldozer trench to the north and appears to be terminated by a cross fault to the south. Mineralization consists of varying amounts of arsenopyrite, pyrite, galena, sphalerite and tetrahedrite. These minerals are most common as blebs and disseminations but are also observed as narrow massive bands at the vein selvage. Vein splays are common and typically terminate a short distance (≤ 2 m) from the main structure.

Malcolm (1975) reported assays up to 53,614 g/t silver from select specimens and 3222 g/t silver plus 1.11% lead from a chip sample across 0.20 m. Sampling by Eaton (1984) failed to reproduce these values but did discover malachite stained, sphalerite bearing carbonate float that returned 8817 g/t silver, 1.51% lead and 3.15 g/t gold.

Four chip samples were taken from the Rum Tum Vein in 2000 and sent to ALS Chemex Labs Ltd. in North Vancouver, B.C. where they were crushed to -150 mesh with chrome steel ring, digested in standard aqua regia leach and analyzed geochemically for 32 elements using Induced Coupled Plasma (ICP) technique. All samples were also directly analyzed for total silver and lead content while three samples were further analyzed for gold content by fire assay and atomic absorption finish. Certificates of Analysis appear in Appendix II and Rock Descriptions are contained in Appendix III.

Results for the 2000 sampling at the Rum Tum Vein are tabulated on Figure 6. The highest silver assay was obtained from a 3 cm wide, massive cubic galena vein which yielded 3946.4 g/t and 61.4% lead. Massive and semi-massive arsenopyrite veins with similar widths returned low silver and lead values but elevated gold response (up to 10.41 g/t). Silver-lead ratios from three of the samples average 1.7:1.

Nabob #2 Vein has been partially exposed in a 50 m long bulldozer trench cut 1.0 to 2.5 m into frozen soil and decomposed bedrock. During property examinations by Eaton in 1983 and 1984, most of the trench was filled with water and only a 4 m strike length was exposed. At this point the vein averaged 10 cm wide and consisted of siderite with trace to 5% disseminated galena and rare freibergite. It strikes 050°, dips 60 to 70° toward the south, and cuts graphitic schists and thin bedded quartzites. Fragments of vein material were also seen in soil pushed out of the trench and most resembled the vein described above but a few contained up to 20% galena. Malcolm (1975) reported an assay of 11,527 g/t silver and 29.58% lead across 35.6 cm from the trench.

Approximately 100 m northeast of the trench, there is an old ice-filled shaft and a waste dump which contains about 50 tonnes of vein material mixed with graphitic schist. Vein material on the dump consists of oxidized siderite with quartz, limonite, galena, anglesite and sphalerite plus minor freibergite, chalcopyrite and malachite. A 5 kg sample of nearly massive coarse grained galena taken from the dump in 1984 assayed 78.90% lead and 3638 g/t silver while a 10 kg channel sample taken across the dump assayed 9.78% lead and 581 g/t silver.

The Nabob #2 Vein can only be traced about 100 m north of the old shaft even though its projection passes through a well exposed area. It is possible that this vein is terminated by the same cross fault that terminates the Rum Tum Vein, as described in the following section, and that the two veins are actually fault offsets of the same structure.

The **Lakeview** and **Fox** occurrences are well described by Boyle (1965). No ore shoots are known on either of these veins and all old workings are caved. Based on material in old waste dumps, the veins appear to be mineralized with varying amounts of siderite, galena, freibergite, quartz, calcite and sphalerite with associated secondary minerals. No assays were reported.

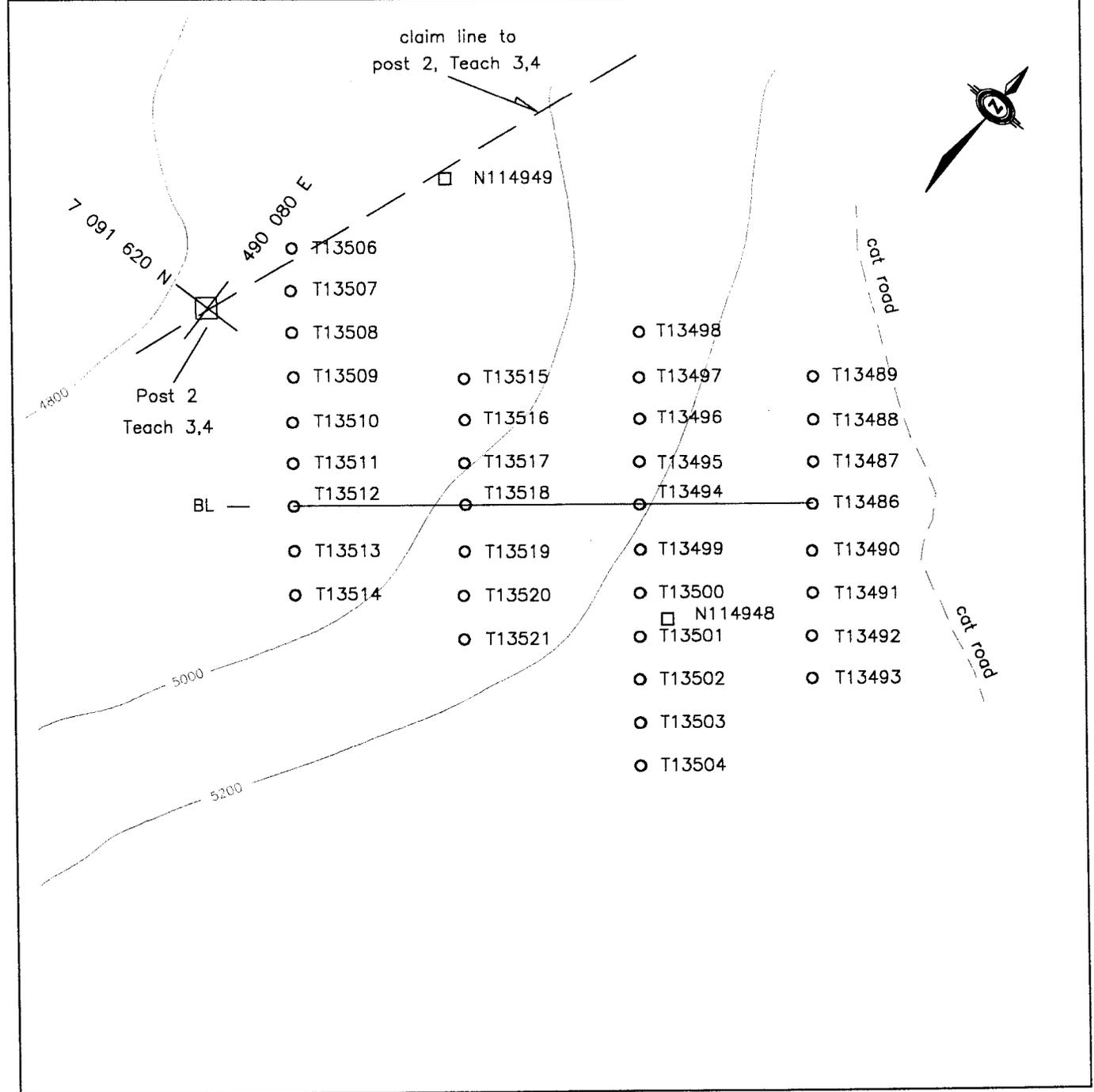
Geochemistry

Previous soil geochemical surveys conducted on the property outlined several silver-lead anomalies, the largest of which was referred to as the Decker Zone. The core of this anomaly (≥ 100 ppm lead) is roughly northeast trending. It is approximately 350 m long and 100 m wide.

In 2000 a flagged baseline was centred along the axis of the Decker Zone at 053° and 36 soil samples were taken at 25 m intervals on lines spaced 100 m part. Sample sites were marked by 0.5 m lath each bearing an aluminum tag inscribed with the sample number. All samples were sent to ALS Chemex where they were dried and sieved to -80 mesh, digested in standard aqua regia leach and geochemically analyzed for 32 elements using the ICP technique. Soil sample locations are illustrated on Figure 7 while lead and silver values are contoured on Figures 8 and 9. Certificates of Analysis appear in Appendix II.

The 2000 geochemical survey outlined an anomaly of similar size and magnitude to the previously identified Decker Zone. Core values (≥ 400 ppm lead) are contained within a 120 m long by 70 m wide area that appears to be intimately associated with the surface trace of a quartz-eye rhyolite porphyry sill. Similar threshold silver values (≥ 4 ppm) roughly coincide with the lead anomaly.

Fracture orientations observed in subcrop support the trend of the geochemical response. A quartz-eye rhyolite porphyry float specimen containing a 1.3 cm wide limonite vein with trace cubic galena and anglesite returned 90 g/t silver and 1.55% lead.



- T13521 soil sample location
with sample number
- N114948 rock sample location
with sample number

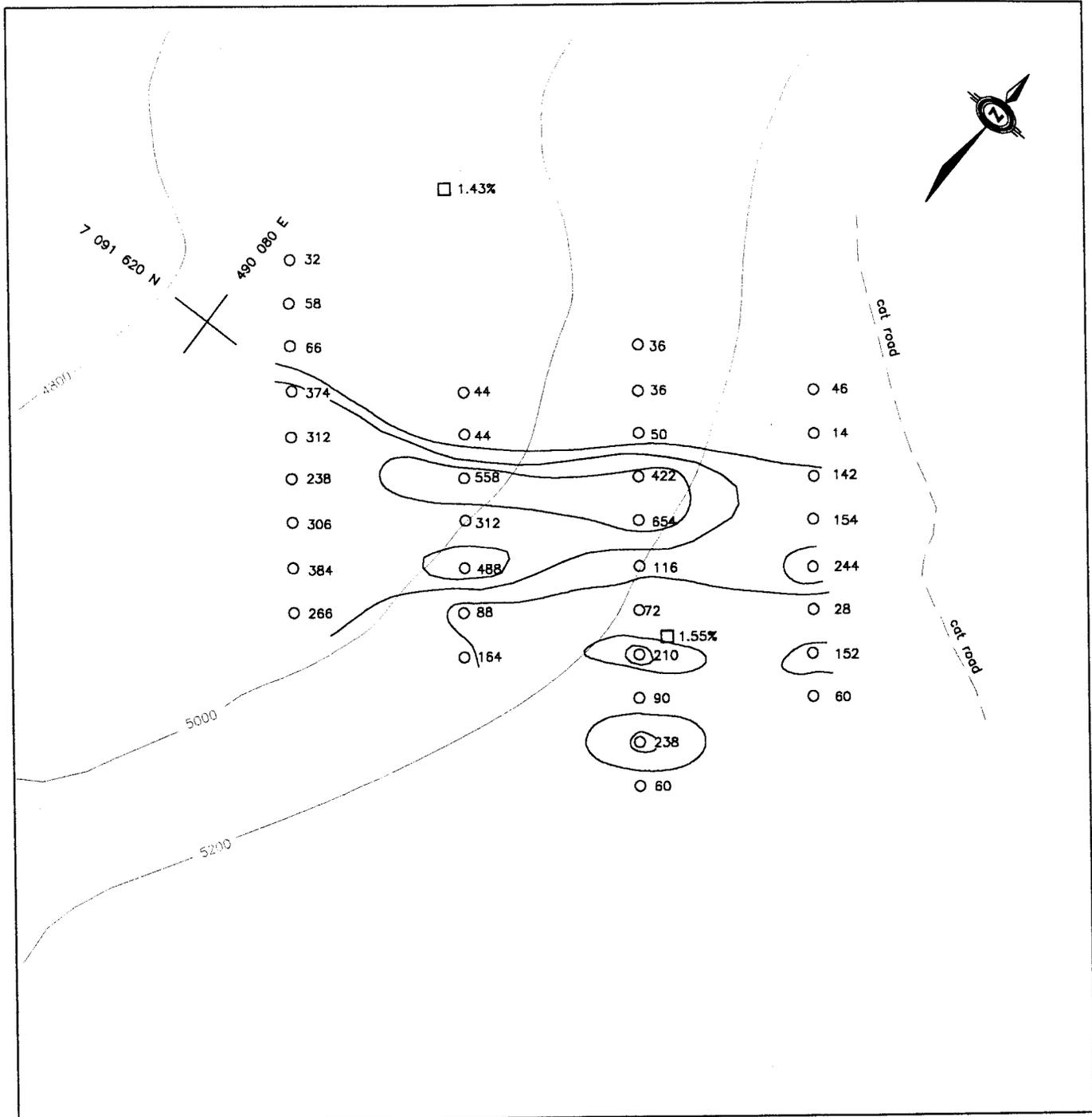
FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

TEACH PROPERTY





○ 60 soil sample location with
lead value in ppm

□ 1.55% rock sample location with
lead value in %

lead contours at 100, 200 and
400 ppm

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981)LIMITED

LEAD GEOCHEMISTRY

TEACH PROPERTY



FILE:AC-PROTO\AP3HP-1K.DWG

DATE: DECEMBER, 2000

CONCLUSIONS AND RECOMMENDATIONS

Work completed to date on the ground currently occupied by the Teach claims has identified a highly favourable geological setting to host Keno Hill style silver-lead vein mineralization. Key components of this setting include a thick section of quartzite along with diorite, the units that generally host this type of mineralization in the district, and the presence of mineralized transverse veins on and immediately adjacent to the claim block. The potential of the claims is highlighted by reported production of over 23 million ounces of silver from three other vein systems within 2.5 km of the property.

Silver-lead ratios for galena mineralization collected from the Teach claims are generally between 1 and 4:1 which is consistent with the ratios of vein mineralization elsewhere in the district. Ratios from the 2000 soil geochemical anomaly suggest the source of the metals is a galena bearing vein.

Additional work is definitely warranted on the Teach property and should consist of bulldozer or excavator trenching across the Decker Zone followed by diamond drilling to test any mineralized structures for vertical continuity. This work should be carried out in conjunction with detailed prospecting and mapping in areas of anomalous response outlined by previous operators. Only limited work is recommended at the Rum Tum Vein and should consist of detailed prospecting, mapping and geochemical sampling along strike from the discovery trench.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


W.A. Wengzynowski, P.Eng.

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APPENDIX I
AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc. in geological engineering, option 1, mineral and fuel exploration.
2. I became a Professional Engineer on December 12, 1998 registered in the Province of British Columbia.
3. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently a partner of Archer, Cathro & Associates (1981) Limited.
4. I have personally participated in and supervised the field work reported herein.



W.A. Wengzynowski, P.Eng.

APPENDIX II
CERTIFICATES OF ANALYSIS



ALS Chemex

Aurora Laboratory Services Ltd.
 Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218



Client: ARCHER CATHRO & ASSOC. (1981) LTD.

BOX 4127, 2054 SECOND AVE.
 WHITEHORSE, YT
 Y1A 3S9

Project: TEACH
 Comments:

Page Number : 1
 Total Pages : 1
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 Invoice No. : I0028205
 P.O. Number :
 Account : F

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Page Number : 1
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CERTIFICATION: _____



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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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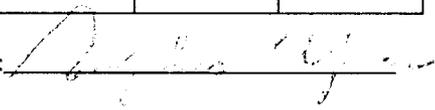
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CERTIFICATE OF ANALYSIS

A0028024

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g/t | | | | | | | | | |
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| N114946 | 212 | -- | >3500 | | | | | | | | | |

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To: ARCHER CATHRO & ASSOC. (1981) LTD.
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 WHITEHORSE, YT
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Page : 1-A
 Total : 1
 Certificate Date: 06-SEP-2000
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Project : TEACH
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CERTIFICATE OF ANALYSIS A0027530

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Page Number : 1-B
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 Account : F

Project : TEACH
 Comments:

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| CERTIFICATE OF ANALYSIS | A0027530 |
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ppm | Mo
ppm | Na
% | Ni
ppm | P
ppm | Pb
ppm | S
% | Sb
ppm | Sc
ppm | Sr
ppm | Ti
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ppm | U
ppm | V
ppm | W
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Page Number : 1
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 Certificate Date: 11-SEP-2000
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* PLEASE NOTE

CERTIFICATE OF ANALYSIS

A0027529

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| N114946 | 208 226 | ----- | ----- | >350 | 61.4 | | | | | | |
| N114947 | 208 226 | ----- | ----- | 218 | 0.14 | | | | | | |

CERTIFICATION: _____

* RECOMMEND TITRATION FOR Pb >20% FOR GREATER ACCURACY AND PRECISION.



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Client: ARCHER CATHRO & ASSOC. (1981) LTD.

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Project: TEACH
 Comments:

Page Number: 1-A
 Total Pages: 1
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 Invoice No.: I0027528
 P.O. Number:
 Account: F

CERTIFICATE OF ANALYSIS A0027528

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| T 13490 | 201 | 202 | 2.8 | 1.15 | 396 | < 10 | 120 | < 0.5 | < 2 | 0.09 | 0.5 | 8 | 20 | 30 | 2.90 | < 10 | < 1 | 0.04 | < 10 | 0.28 | 590 |
| T 13491 | 201 | 202 | 0.8 | 0.88 | 40 | < 10 | 400 | < 0.5 | < 2 | 0.03 | < 0.5 | 7 | 22 | 62 | 2.15 | < 10 | < 1 | 0.04 | < 10 | 0.27 | 650 |
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| T 13493 | 201 | 202 | 0.8 | 1.36 | 100 | < 10 | 300 | < 0.5 | < 2 | 0.06 | < 0.5 | 18 | 24 | 119 | 2.92 | < 10 | < 1 | 0.04 | < 10 | 0.43 | 1790 |
| T 13494 | 201 | 202 | 7.8 | 1.33 | 1345 | < 10 | 190 | 0.5 | < 2 | 0.08 | 1.5 | 6 | 15 | 26 | 3.03 | < 10 | < 1 | 0.04 | < 10 | 0.23 | 385 |
| T 13495 | 201 | 202 | 6.0 | 1.10 | 1420 | < 10 | 180 | < 0.5 | < 2 | 0.06 | 1.5 | 6 | 18 | 20 | 3.19 | < 10 | < 1 | 0.04 | < 10 | 0.19 | 325 |
| T 13496 | 201 | 202 | 1.6 | 0.63 | 136 | < 10 | 150 | < 0.5 | < 2 | 0.04 | 0.5 | 5 | 15 | 14 | 1.69 | < 10 | < 1 | 0.03 | < 10 | 0.10 | 260 |
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| T 13498 | 201 | 202 | 0.8 | 1.33 | 52 | < 10 | 240 | 0.5 | < 2 | 0.10 | 3.5 | 13 | 25 | 26 | 3.19 | < 10 | < 1 | 0.04 | 10 | 0.28 | 1100 |
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| T 13504 | 201 | 202 | 0.8 | 1.60 | 108 | < 10 | 690 | < 0.5 | < 2 | 0.08 | < 0.5 | 15 | 26 | 60 | 3.10 | < 10 | < 1 | 0.04 | < 10 | 0.42 | 1475 |
| T 13505 | -- | -- | NotRed |
| T 13506 | 201 | 202 | 1.0 | 1.04 | 38 | < 10 | 180 | < 0.5 | < 2 | 0.09 | 0.5 | 11 | 21 | 30 | 3.08 | < 10 | < 1 | 0.04 | < 10 | 0.23 | 565 |
| T 13507 | 201 | 202 | 1.2 | 1.23 | 62 | < 10 | 300 | < 0.5 | < 2 | 0.10 | 0.5 | 17 | 26 | 52 | 3.39 | < 10 | < 1 | 0.04 | < 10 | 0.35 | 1180 |
| T 13508 | 201 | 202 | 1.0 | 1.33 | 144 | < 10 | 260 | 0.5 | < 2 | 0.11 | 0.5 | 15 | 23 | 57 | 3.05 | < 10 | < 1 | 0.05 | < 10 | 0.33 | 1010 |
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| T 13510 | 201 | 202 | 2.2 | 1.31 | 1240 | < 10 | 480 | 0.5 | < 2 | 0.18 | 7.5 | 24 | 16 | 69 | 2.65 | < 10 | < 1 | 0.05 | < 10 | 0.28 | 4360 |
| T 13511 | 201 | 202 | 1.6 | 1.49 | 774 | < 10 | 220 | 0.5 | < 2 | 0.09 | 2.0 | 17 | 22 | 36 | 3.36 | < 10 | < 1 | 0.04 | < 10 | 0.29 | 1720 |
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| T 13513 | 201 | 202 | 1.4 | 1.15 | 918 | < 10 | 170 | 0.5 | < 2 | 0.14 | 1.0 | 8 | 17 | 22 | 2.72 | < 10 | < 1 | 0.04 | < 10 | 0.29 | 600 |
| T 13514 | 201 | 202 | 2.2 | 1.48 | 716 | < 10 | 570 | 0.5 | < 2 | 0.17 | 0.5 | 14 | 24 | 42 | 2.95 | < 10 | < 1 | 0.05 | 10 | 0.42 | 985 |
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| T 13518 | 201 | 202 | 3.0 | 0.96 | 1020 | < 10 | 170 | 0.5 | < 2 | 0.13 | 1.5 | 12 | 18 | 62 | 3.09 | < 10 | < 1 | 0.04 | < 10 | 0.24 | 1040 |
| T 13519 | 201 | 202 | 4.0 | 1.05 | 780 | < 10 | 180 | 0.5 | < 2 | 0.11 | 0.5 | 9 | 17 | 40 | 2.48 | < 10 | < 1 | 0.04 | < 10 | 0.25 | 625 |
| T 13520 | 201 | 202 | 1.2 | 0.77 | 250 | < 10 | 250 | < 0.5 | < 2 | 0.17 | < 0.5 | 15 | 14 | 92 | 2.89 | < 10 | < 1 | 0.03 | < 10 | 0.34 | 945 |
| T 13521 | 201 | 202 | 1.8 | 0.92 | 320 | < 10 | 450 | < 0.5 | < 2 | 0.10 | < 0.5 | 16 | 14 | 138 | 3.94 | < 10 | < 1 | 0.03 | < 10 | 0.38 | 1055 |

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 WHITEHORSE, YT
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Page : 1-B
 Total : 1
 Certificate Date: 05-SEP-2000
 Invoice No. : I0027528
 P.O. Number :
 Account : F

Project : TEACH
 Comments :

CERTIFICATE OF ANALYSIS A0027528

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| T 13489 | 201 202 | 2 < 0.01 | | 32 | 1040 | 46 | 0.01 | 2 | 3 | 18 | 0.04 | < 10 | < 10 | 27 | < 10 | 304 |
| T 13490 | 201 202 | 3 < 0.01 | | 21 | 610 | 274 | 0.04 | 2 | 1 | 11 | 0.03 | < 10 | < 10 | 34 | < 10 | 140 |
| T 13491 | 201 202 | 1 < 0.01 | | 21 | 920 | 28 | 0.09 | < 2 | < 1 | 6 | 0.01 | < 10 | < 10 | 25 | < 10 | 56 |
| T 13492 | 201 202 | 3 < 0.01 | | 41 | 620 | 152 | 0.03 | < 2 | 1 | 12 | 0.03 | < 10 | < 10 | 34 | < 10 | 180 |
| T 13493 | 201 202 | 2 < 0.01 | | 42 | 540 | 60 | 0.02 | < 2 | 1 | 9 | 0.03 | < 10 | < 10 | 28 | < 10 | 130 |
| T 13494 | 201 202 | 2 < 0.01 | | 16 | 500 | 654 | 0.04 | 2 | < 1 | 10 | 0.01 | < 10 | < 10 | 25 | < 10 | 252 |
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| T 13504 | 201 202 | 3 < 0.01 | | 32 | 860 | 60 | 0.06 | < 2 | 1 | 13 | 0.02 | < 10 | < 10 | 36 | < 10 | 120 |
| T 13505 | -- -- | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed | NotRed |
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| T 13507 | 201 202 | 4 < 0.01 | | 42 | 760 | 58 | 0.02 | < 2 | 2 | 15 | 0.03 | < 10 | < 10 | 34 | < 10 | 188 |
| T 13508 | 201 202 | 5 < 0.01 | | 42 | 780 | 66 | 0.04 | 2 | 3 | 14 | 0.03 | < 10 | < 10 | 31 | < 10 | 196 |
| T 13509 | 201 202 | 4 < 0.01 | | 62 | 550 | 374 | 0.01 | 2 | 1 | 20 | 0.01 | < 10 | < 10 | 18 | < 10 | 344 |
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| T 13516 | 201 202 | 2 < 0.01 | | 29 | 700 | 44 | 0.02 | < 2 | 2 | 11 | 0.04 | < 10 | < 10 | 45 | < 10 | 128 |
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| T 13519 | 201 202 | 3 < 0.01 | | 29 | 610 | 488 | 0.04 | < 2 | 1 | 14 | 0.01 | < 10 | < 10 | 23 | < 10 | 230 |
| T 13520 | 201 202 | 7 < 0.01 | | 55 | 810 | 88 | 0.01 | < 2 | 1 | 23 | 0.02 | < 10 | < 10 | 18 | < 10 | 172 |
| T 13521 | 201 202 | 8 < 0.01 | | 58 | 730 | 164 | 0.04 | 2 | 1 | 29 | < 0.01 | < 10 | < 10 | 12 | < 10 | 226 |

CERTIFICATION:

APPENDIX III
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Project: _____ Property: TEACH - Rum Tum Vein

Page 1 of _____

Sample Number: N114944 Grid North: _____ N Grid East: _____ E Type: _____ Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: _____ Abundance: _____
 Elevation: _____ m
 Comments: 2 to 4cm yellow-green scorodite altered quartz vein with 5-50% coarse arsenopyrite, TR to 1% galena, TRACE TO 1% pyrite and TRACE SPHALERITE.

Sample Number: N114945 Grid North: _____ N Grid East: _____ E Type: chip Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: 12cm Abundance: _____
 Elevation: _____ m
 Comments: MASSIVE COARSE CUBIC pyrite, lower arsenopyrite and finer grained galena. 12 cm chip. Most of THIS vein is white quartz + siderite with spotty arsenopyrite, pyrite and galena. (NO SPIT)

Sample Number: N114946 Grid North: _____ N Grid East: _____ E Type: Chip Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: 3cm Abundance: _____
 Elevation: _____ m
 Comments: 3 to 5cm massive cubic galena and limonite selvage. Limonite is most likely coarse pyrite.

Sample Number: N114947 Grid North: _____ N Grid East: _____ E Type: _____ Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: _____ Abundance: _____
 Elevation: _____ m
 Comments: SPECIMENS FROM A 27cm WIDE white Quartz vein Mineralized with blobs of arsenopyrite (?) and darker grey patches of tetrahedrite and malachite staining.

Sample Number: N114948 Grid North: _____ N Grid East: _____ E Type: Foam Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: _____ Abundance: _____
 Elevation: _____ m
 Comments: 1.5cm cream-yellow quartz-eye porphyry with rock with 1.3cm limonite vein attached. Limonite is dark brown and orange with 1 or 2 patches of cubic galena. 1-2mm quartz crystals are common - typical of open space filling.

Sample Number: N114949 Grid North: _____ N Grid East: _____ E Type: Foam Dimension: _____
 UTM: _____ N UTM: _____ E Sample Width: _____ Abundance: _____
 Elevation: _____ m
 Comments: PALE grey moderately foliated gritty sucrosic quartzite. Specimen HAS A volcanic look. Mineralized with trace galena flecks in irregular 2-5mm wide weakly manganese band. Also irregular 6mm patchy limonite band adjacent to manganese band. Matrix contains roughly 5% orange-brown oxide pits.

Rock Sample Descriptions

Project: _____ Property: CAMBRA FR. - NABDS.

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: MASSIVE CUBIC GARNET with malachite AND AZURITE PATCHES
PLUS PATCHY TETRAHEDRITE.

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: BLACK SIDERITE WITH TETRAHEDRITE AND MALACHITE AZURITE
STAINING.

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: _____

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: _____

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: _____

Sample Number: _____ Grid North: N Grid East: E Type: _____ Dimension: _____
 UTM: N UTM: E Sample Width: _____ Abundance: _____
 Elevation: m _____
 Comments: _____