REPORT OF 1998 FIELD ACTIVITIES
FUNDED UNDER YMIP GRANT #98-034

PREPARED FOR:
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INTRODUCTION

This report prepared for Wade Carrell, summarizes prospective exploration funded under Grant #98-034 of the Yukon Mineral Incentives Program (YMIP). A detailed summary of 1998 field activities and copies of field notes are included as Appendix A.

Three projects are discussed in detail, they include Teslin Lake, King Lake and Mount Grant.

The writer assisted with most of the field work detailed in this report and has reviewed research materials, field notes and rock samples supplied by Mr.Carrell.

TARGET A – TESLIN LAKE

PROJECT SUMMARY

This area was proposed to investigate the possible northern extension of a prospective showing from an area just across the B.C./Yukon border mentioned in Mihalynuk and Nelson (1998). The showing hosted within pyritic mafic greenstones is reported to have yielded a value of 2.2% Cu.

AREA LOCATION AND ACCESS

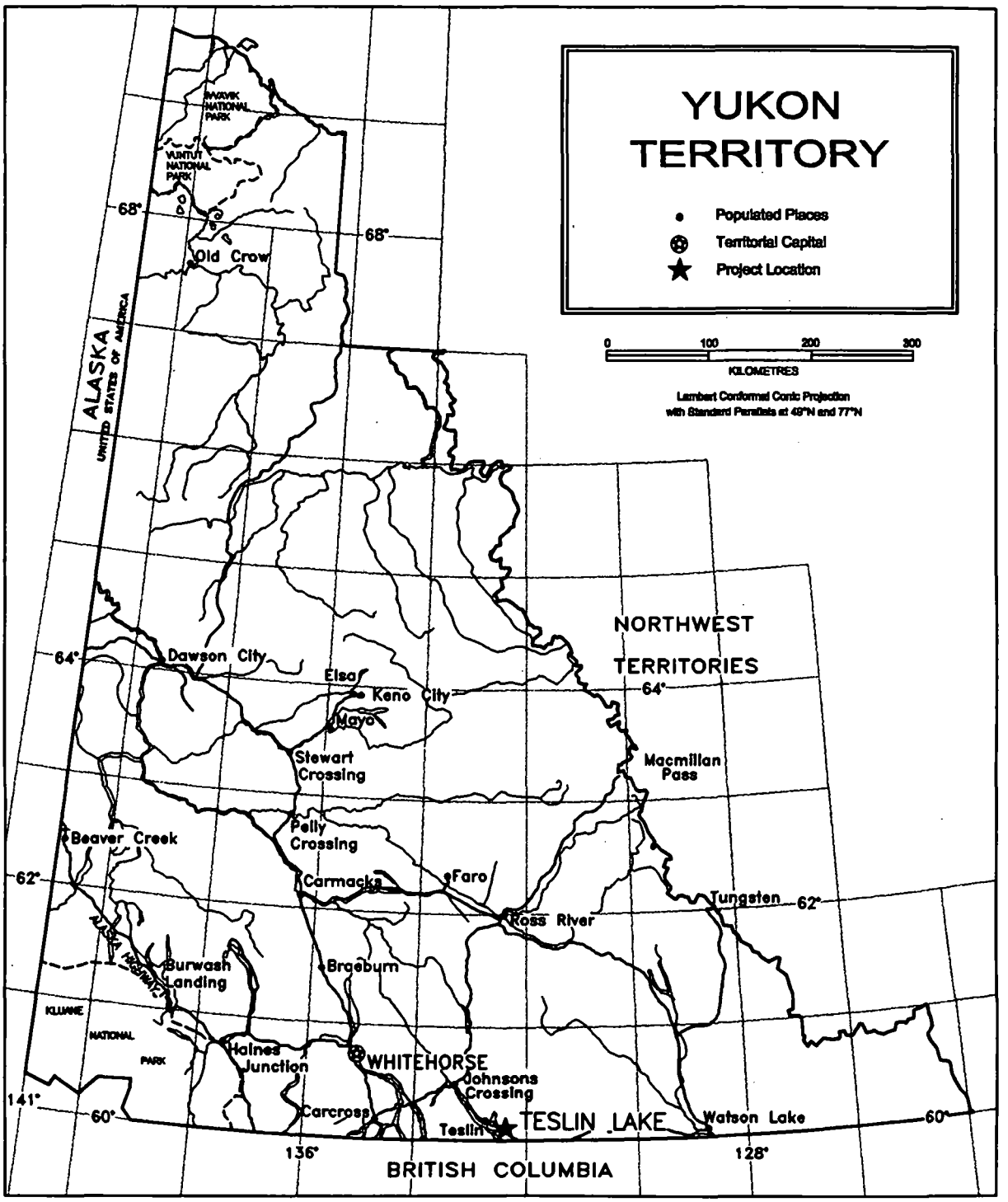
The target is located along the eastern shore of Teslin Lake (see Figure 1) and is approximately 20 km SE of Teslin, Yukon and is shown on Claim Map Sheet 105 C 1. Access to the area was accomplished by boat from the launch area near near the bridge in Teslin.

PREVIOUS WORK AND EXPLORATION HISTORY

There are no reports of previous work or exploration in this area, except the brief mention of the showing referrenced above.

REGIONAL AND GENERAL GEOLOGY

The area is underlain by a series of mafic to felsic tuffaceous rocks, quart-sericite schists and limestone. A number of small granitic bodies of Cretaceous age are also known to intrude the area. The volcanic units investigated during the course of this investigation were remarkable for their lack of appreciable sulfide mineralization. Glacio-fluvial cover obscures most of the area except for some limited exposure along the shoreline and on the tops of some of the flanking ridges.



WADE CARRELL - YMIP 98-034

TESLIN LAKE
Project Location Map

Steve Traynor, Geologist

SCALE: 1 : 6,000,000	FILE: WC98_2	DATE: 98.11.15
NTS: 105 C/14	DRAWN:	FIGURE 1

DESCRIPTION AND SUMMARY OF WORK

A total of 5 days were spent exploring the area from a camp on Teslin Lake, reconaissance of the lake shore was carried out by boat and promising areas along and adjacent to the shoreline were traversed on foot (see Figure 2, in map pocket). Of all the outcroppings prospected during this time no noteworthy mineralization was found and no samples were collected.

ANALYSIS AND RESULTS

As mentioned in the preceeding section no geological material was submitted for analysis from this project area due to its unmineralized character.

CONCLUSIONS AND RECOMMENDATIONS

The disappointing lack of mineralization or of other indicators within this area proved very frustating in light of the Cu occurrence reported in the vicinity. Due to the lack of success in this area no further work is proposed.

TARGETS B, C and D

PROJECT SUMMARIES

No work was completed within these target areas during the 1998 field season due to time constraints imposed following amendments to add two additional areas to the original proposal.

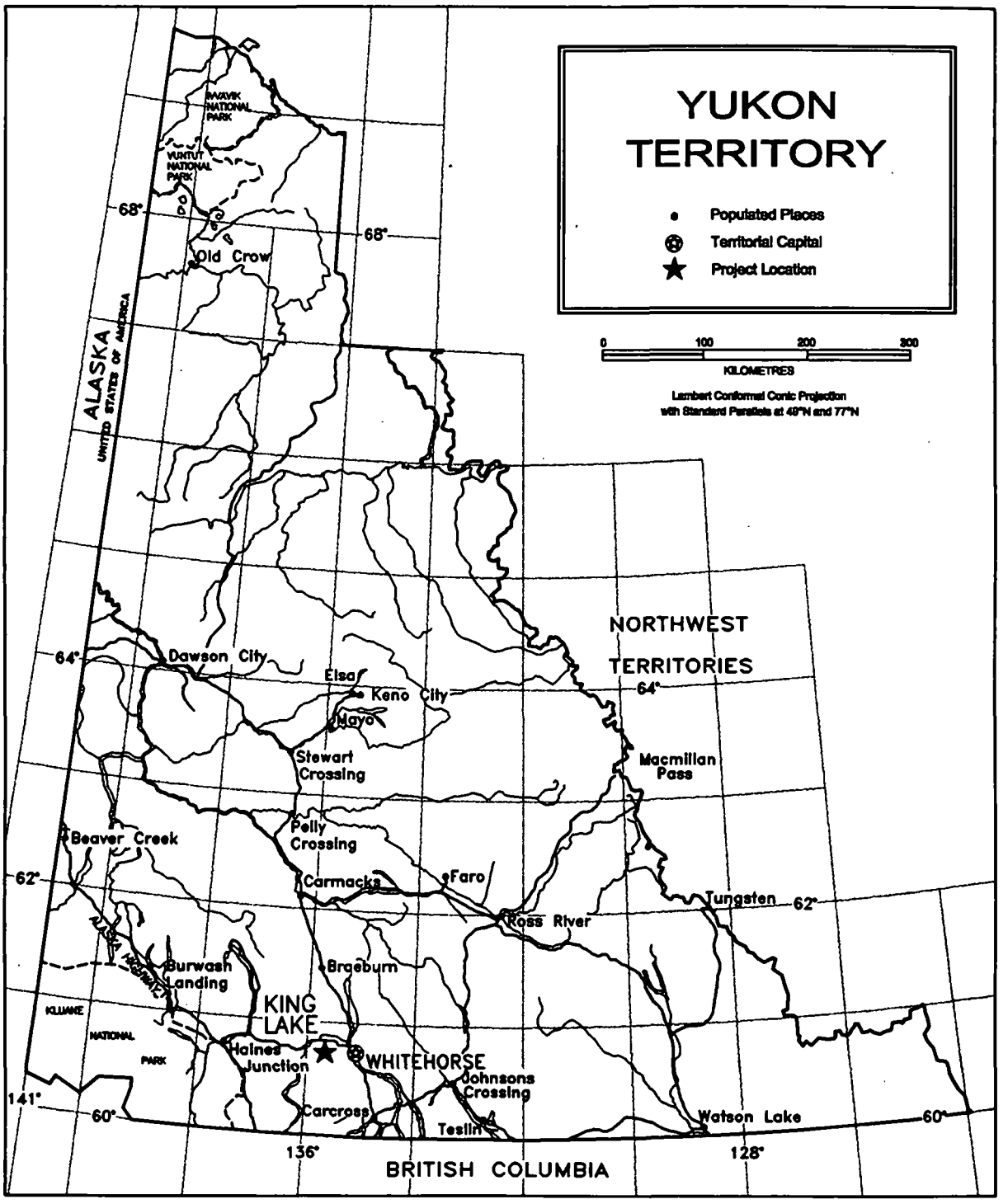
KING LAKE – AMENDED AREA

PROJECT SUMMARY

Work in this area was carried out to re-evaluate the old King Lake property for its porphyry potential. Aerial reconnaissance, detailed ground prospecting and resampling and analysis of available core was completed over the course of the 1998 field season. On the basis of the work carried out a total of 24 Quartz mineral claims were staked to cover the assumed extent of the intrusive in the area.

AREA LOCATION AND ACCESS

The King Lake area is situated approximately 25 km WNW of Whitehorse, Yukon (see Figure 3)



WADE CARRELL - YMIP 98-034		
KING LAKE Property Location Map		
Steve Traynor, Geologist		
SCALE: 1 : 6,000,000	FILE: WC98_3	DATE: 98.11.15
NTS: 105 D/?	DRAWN:	FIGURE 3

and marks the extreme western end of what is known as the Whitehorse Copper belt. Located within the Whitehorse Mining District it is shown on the 105 D 14 Claim Map Sheet.

PROPERTY DESCRIPTION

The current King Lake property consists of 24 contiguous mineral claims, as shown in Figure 4 and listed in the below. The EZE 1-4 claims were staked on April 22, 1998 and 20 additional claims (EZE 5-24) were staked on May 22 and 23, 1998.

Claim Data

Claim Name	Grant Number	Expiry Date
EZE 1 – 4	YC08744 – 47	May 1, 1999
EZE 5 – 24	YC08752 – 71	May 25, 1999

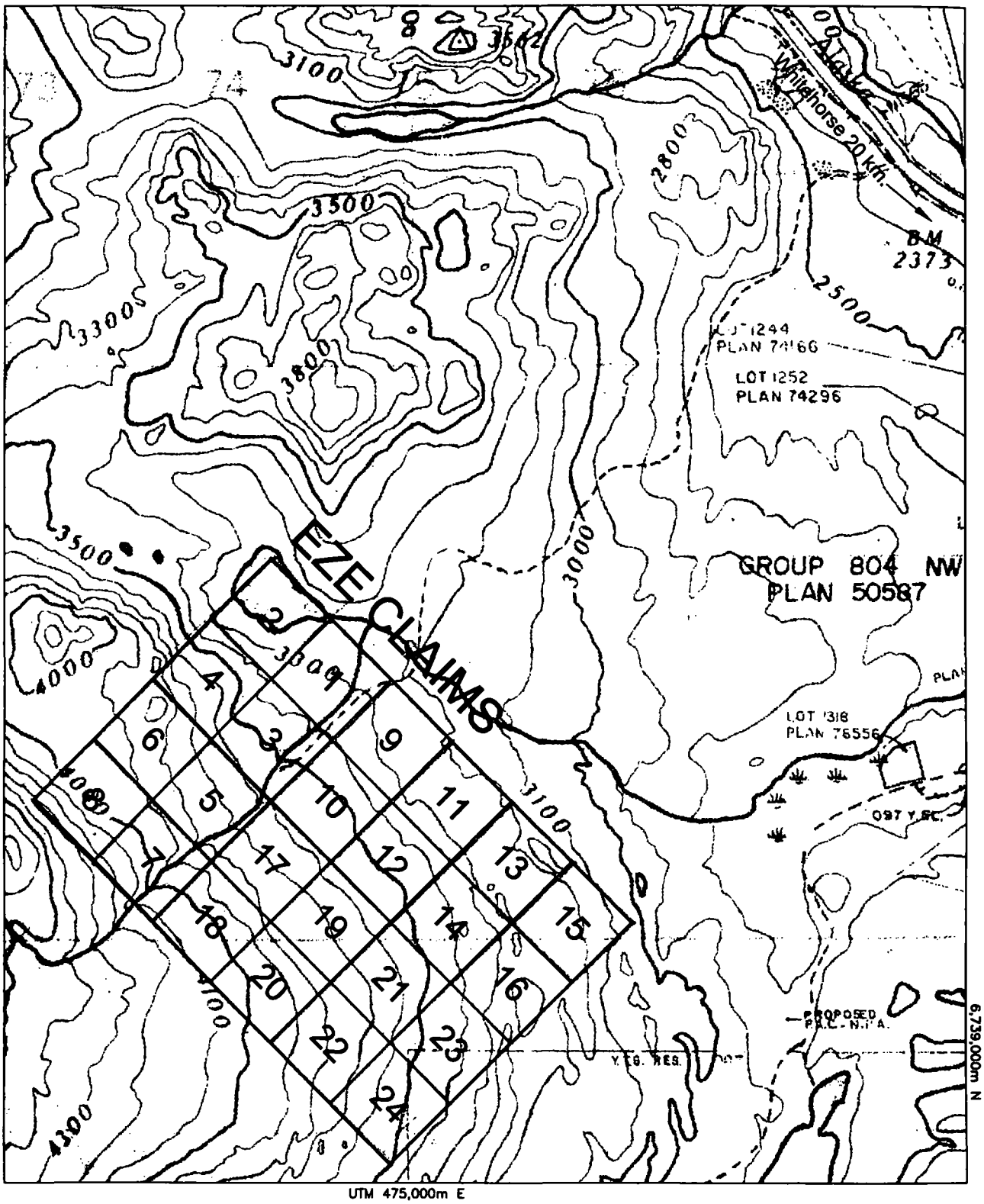
PREVIOUS WORK AND EXPLORATION ACTIVITY

Reportedly discovered in May 1973 by J. Suits, the property was staked the following year by he and his brother(s) and immediately fringed by R. Holway. Sampling from hand pits in the area produced grab samples which averaged 0.2 to 0.25% Cu and 0.001% Mo and selected values as high as 0.6% Cu and 0.2% Mo are reported.

The property was optioned in September of the same year by United Keno Exploration who built an access road from the Alaska Highway and completed mapping and geochemical sampling. In 1975 they carried out various geophysical surveys and 1541m of diamond drilling before dropping the option. Asarco was also active to the SE that year and is supposed to have completed mapping and geochemical sampling.

The property has been restaked twice since then in 1987 and again in 1994 with no reports of work filed in either case.

Analysis of drill logs and replotting of drill hole locations suggests that many of the holes were collared in the volcano-sedimentary lithologies of the surrounding Laberge Group and not the intrusive stock which would apparently have been the preferred target. It appears possible that at least in the early stages of work that the model they were using was that of a skarn and not a porphyry. No analysis for Au was ever carried out on any of the sampling completed on the property (J. McFaull, former United Keno Hill employee, personal communication).



WADE CARRELL - YMIP 98-034

KING LAKE PROPERTY
Claim Map

Steve Traynor, Geologist

SCALE: 1 : 30,000	FILE: WC98_6	DATE: 98.12.08
NTS: 105 D/14	DRAWN:	FIGURE 4

REGIONAL AND GENERAL GEOLOGY

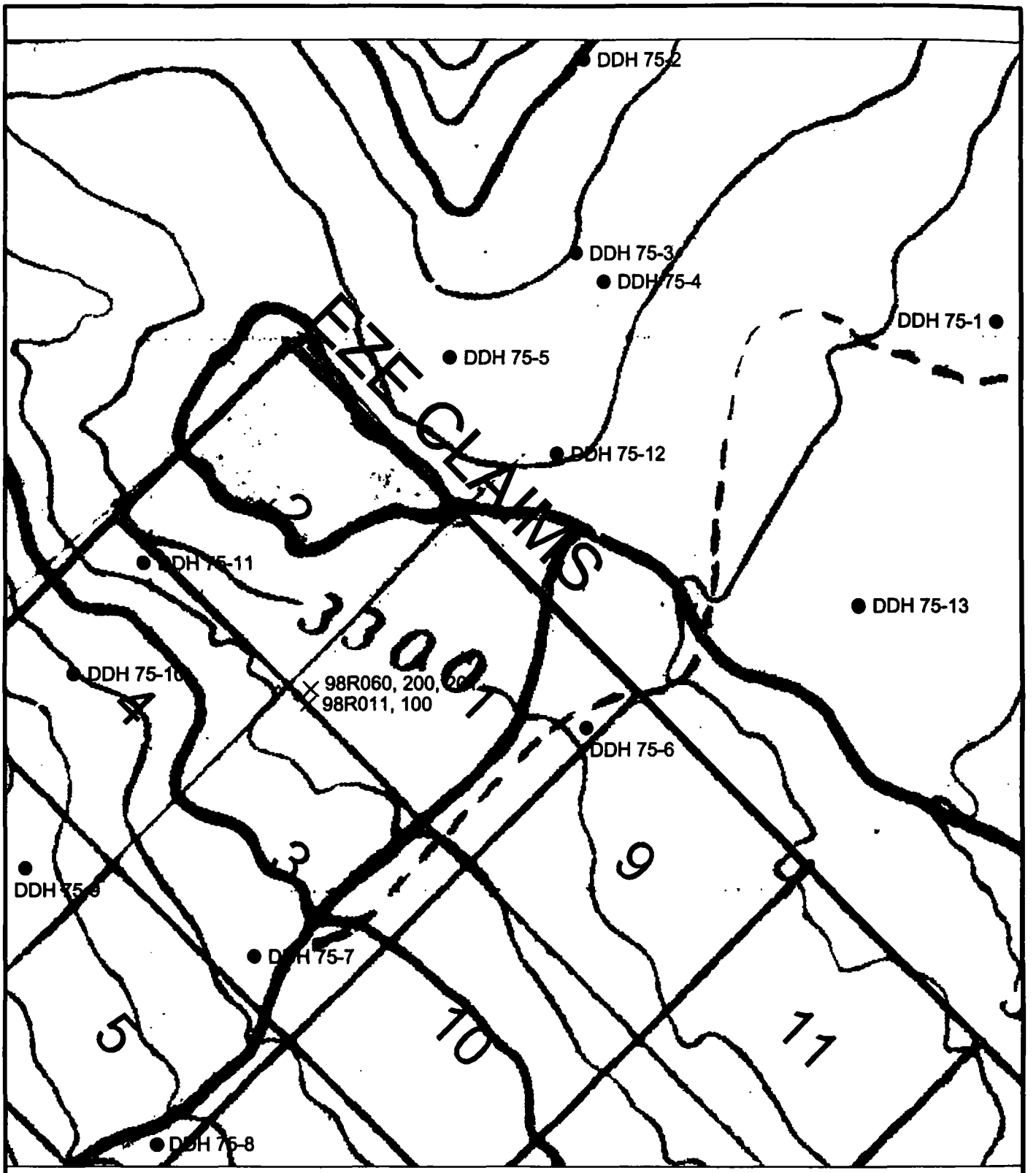
Much of the surrounding area is underlain by Jurassic aged volcano-sedimentary lithologies of the Laberge Group predominately consisting of sandstones, greywackes and conglomerate interbedded with felsic tuffs. The intrusive is a recessive greyish to green hornblende diorite that at times shows porphyritic textures. Field examinations revealed widespread malachite staining and abundant pyrite in the few areas of good exposure. Unfortunately outcrop exposure SE of the lake is quite limited by a widespread and continuous covering of glacio-fluvial deposits that are atleast 10m in depth. The intrusive, inferred from regional areomagnetic data and assessment of local topography, appears to be about 4 sq. km in size.

Study of available core revealed numerous brecciated sections and others that showed moderate to strong fracturing. Weak to moderated potassic alteration characterized by biotite and K-feldspar with an abundance of associated magnetite and moderate to strong propylitic alteration consisting of chlorite, epidote and quartz were found to be widespread in many of the sections of selected core available for study. Sulfides consisting mainly of pyrite, but also chalcopyrite and lesser molybdenite were noted as disseminations and occasional vein or fracture fillings.

DESCRIPTION AND SUMMARY OF WORK

Over the course of the 1998 season a program of extensive prospecting was carried out in the area, including a fixed wing flight to provide an aerial perspective of the property. A total of 24 quartz claims were staked on the basis of early reconaissance and re-evaluation of existing core. The claims were staked to cover most of the old drill sites (a small area NE of the lake has been selected under land claims and consequently was not covered) and was oriented in such a way as to cover the assumed SE extension of the intrusive as inferred by analysis of the local topography and existing aeromagnetic data.

The old baseline on the property was relocated and known distances were re-established to assist in positioning old drill sites (see Figure 5). Resampling of historic workings and available drill core was also carried out, with a total of 28 rock and 1 stream sediment sample(s) being collected. Of the 28 rock samples collected, 5 were from old sample pits located SE of the lake and 23 were from splits of available drill core.



WADE CARRELL - YMIP 98-034

KING LAKE PROPERTY
Sample and Drill Hole (Historic)
Location Map

Steve Traynor, Geologist

SCALE: 1 : 10,000	FILE: WC98_7	DATE: 98.12.08
NTS: 105 D/14	DRAWN:	FIGURE 5

Late in the season at the end of September a section of the old baseline, selected with a brief orientation survey carried out with a Fluxgate magnetometer, was reslashed and cleared in anticipation of the completion of a 1km long I.P. test line to determine gross metal content of the rock in the area of the old test pits and a number of the old drill holes. Unfortunately a last minute change of plans by the proposed contractor for the survey meant that the survey work had to be postponed until next spring.

ANALYSIS AND RESULTS

Samples collected from the old test pits all showed highly anomalous Cu values ranging from 1016 ppm to 3423 ppm, with up to 414 ppm Mo and slightly elevated precious metal values. Malachite staining was clearly evident in all cases with disseminated pyrite throughout, while chalcopyrite and molybdenite were present as fracture fillings.

Extensive resampling of available (approximately 2%) core returned numerous elevated Cu values particularily in holes 75-4, 75-7 and 75-10 (of which the later two were drilled within the boundaries of the existing property). Trace levels of Au were detected in all but 3 of the samples with a peak value of 134ppb. One well mineralized fracture filled or vein structure from hole 75-10 (98R417) returned a peak value of 1955 ppm Cu and 1001 ppm Mo.

CONCLUSIONS AND RECOMMENDATIONS

Widespread malachite staining and occasional porphyritic textures identified during prospecting, the highly anomalous and at times well mineralized character of the granodiorite and the nature and extent of the alteration and fracturing revealed in drill core are strongly suggestive of the potential of the property to host higher grade Cu-Mo (Au) porphyry style mineralization.

Analysis of the drill core revealed that the better mineralized samples contained varying amounts of magnetite and suggests a possible relationship between the two. Regional geological mapping and aeromagnetic data indicate that previous drilling did not target the area of strongest magnetic response, within the inferred limits of the intrusive, which lies SE toward the centre of the existing claim group.

It is therefore recommended that further work focus on determining the character of the intrusive and the nature of the mineralization associated with this area of stronger magnetic response. To achieve this it is proposed that a ground magnetometer survey, carried out on a flag line grid, be completed over the

entire property and that a number of I.P. test lines be run over the areas of highest magnetic response to determine the gross metal content of the underlying rocks. Positive geophysical indicators resulting from the above surveying, would be followed up by basal till sampling with analyses of collected material for trace element and precious metal content.

MOUNT GRANT – AMENDED AREA

PROJECT SUMMARY

Orientation and reconnaisance work was carried out on this highly prospective target during the early part of September 1998. Underlain by lithologies associated with massive sulfide occurrences elsewhere in the region, the area contains a number of strong indications of possible VMS mineralization. Results of litholgical grab sampling of propective units completed during the course of the investigation revealed moderate levels of sulfidization, a number of interesting anomalies and evidence of alterations generally consistent with proximity to mineralization.

AREA LOCATION AND ACCESS

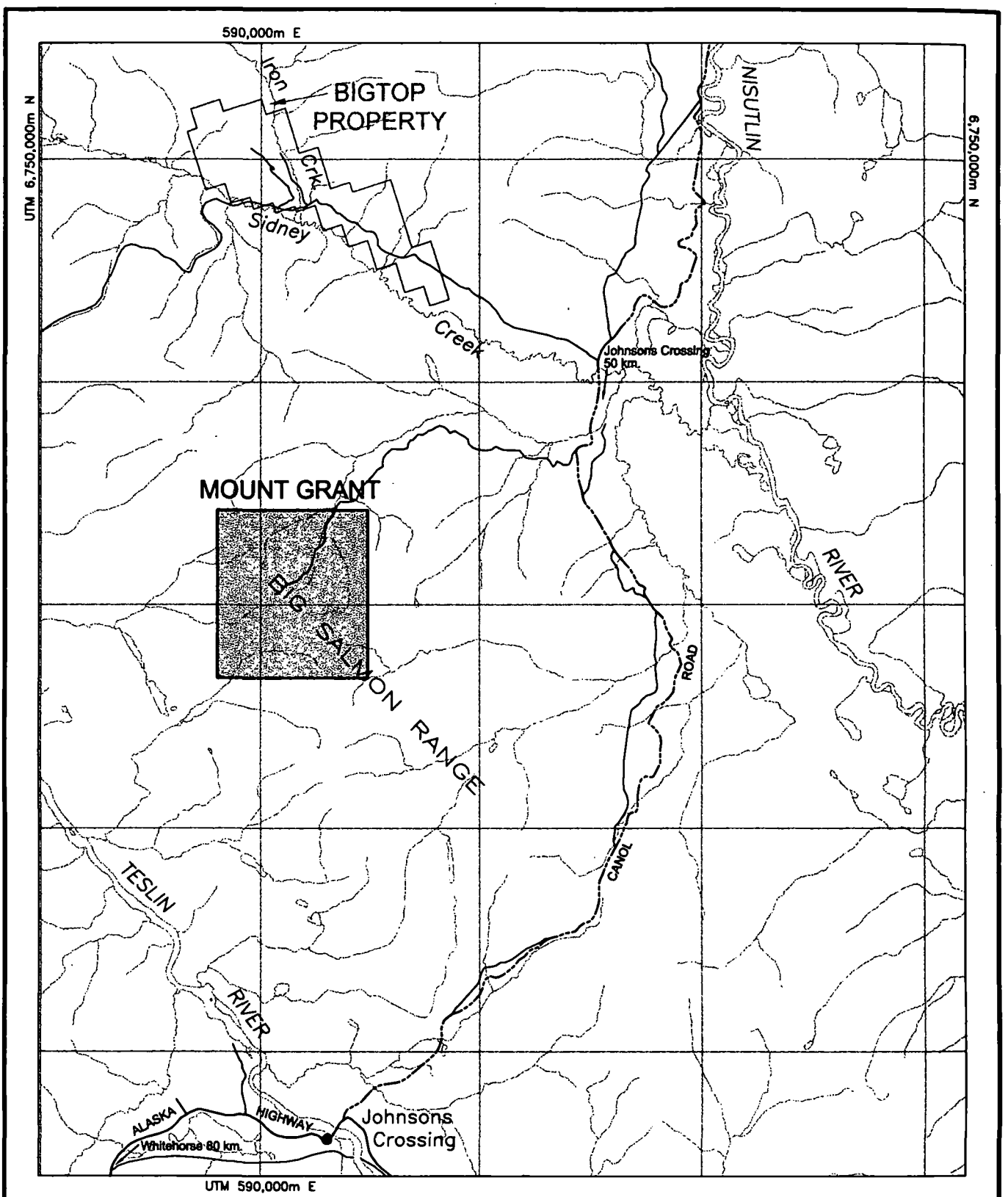
The target area is located between the south Canol Road and the Teslin River (see Figure 6), north of the Alaska Highway at Johnson's Crossing which is located 120 km east of Whitehorse, Yukon. It is in the Whitehorse Mining District and is shown on Claim Sheet Map 105 C 11.

Access to the area is from Km. 43 on the south Canol Road and utilizes a recently upgraded tote road originally constructed in 1963 and subsequently improved over the past two decades.

PREVIOUS WORK AND EXPLORATION ACTIVITY

Staking of ground currently under claim in the area was carried out by two different groups in 1955 and 1956 on the basis of separate manganese and copper occurrences. The two showings have been restaked on numerous occasions since then and are currently covered by a block of 75 contiguious Quartz claims owned and operated since 1984 by Anooraq Resources Corp.

The two showings have been mapped, extensively trenched and drilled (manganese showing only) over the years revealing a quartz-carbonate lense 0.3m thick and exposed for 10m from which a grab sample assayed 18.0% Cu, 273.2 g/t Ag and 0.6 g/t Au in the case of the copper occurrence and a 400



LEGEND

- stream, creek
- road, trail
- all weather road
- claim group boundary
- target zone

N
UTM Grid North

WADE CARRELL- YMIP 98-034

MOUNT GRANT
Target Location Map

Steve Traynor, Geologist

SCALE: 1 : 250,000	FILE: WC98_4	DATE: 98.11.15
NTS: 105 C	DRAWN:	FIGURE 6

metric ton deposit of gem quality rhodonite in the case of the manganese occurrence.

Ongoing work on the Bigtop occurrence north of the target area, which is hosted within prospective lithologies similar to those that underlie this area, is showing very good potential for the discovery of volcanogenic massive sulfide mineralization.

Limited prospecting and exploration elsewhere in the region over the years has indicated a number of vein hosted, precious metal occurrences and a handful of other showings probably related to contact zones around Cretaceous aged intrusives.

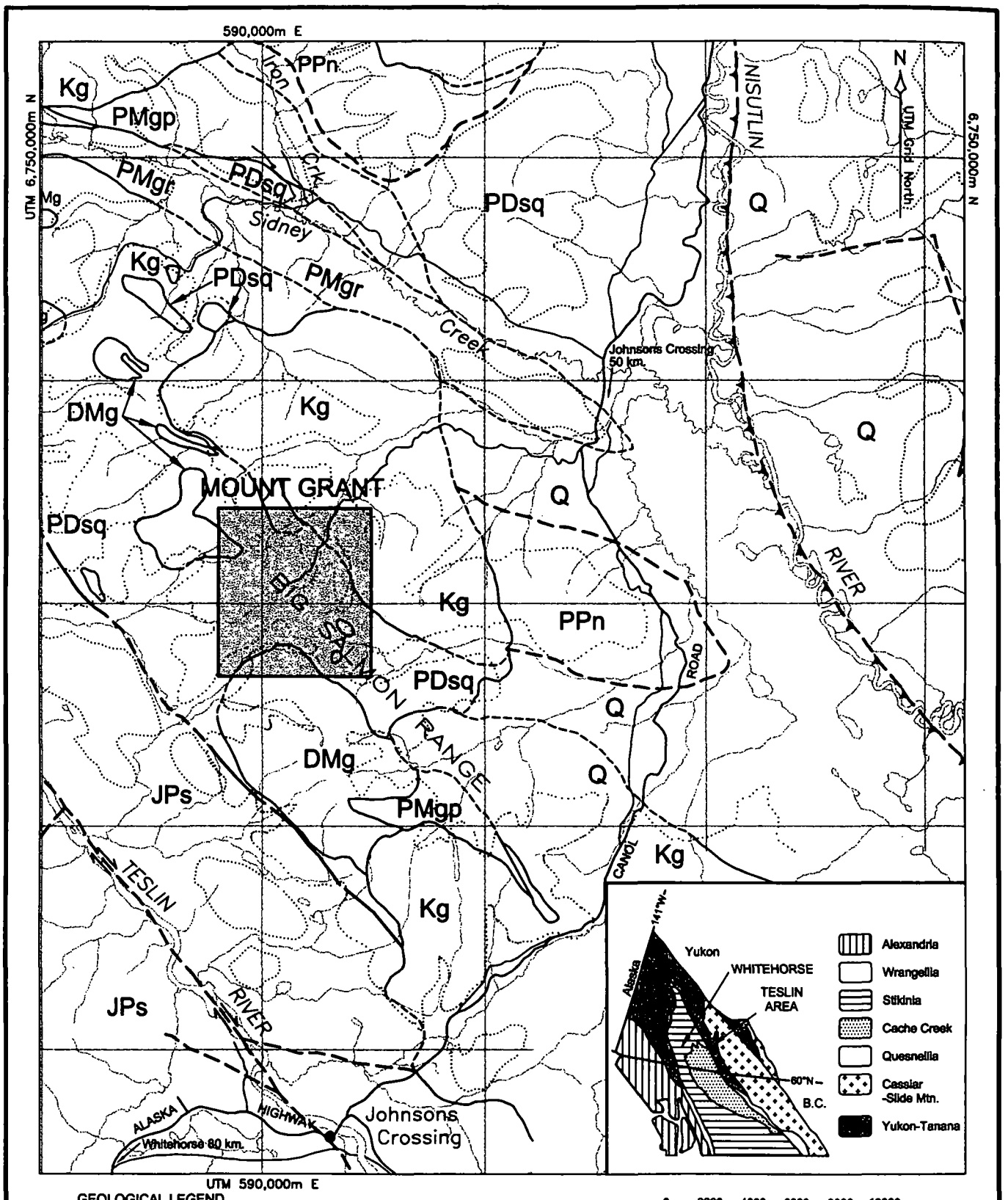
Recent geological mapping of the Teslin Map Sheet was completed during the period from 1990 to 1993 by Gordey and Stevens (1994) the results of which are reported in two GSC Open Files, numbered 2768 and 2886.

REGIONAL AND GENERAL GEOLOGY

The rocks underlying the target area appear to be mainly metasedimentary and include limestones, quartzites and a variety of schists of Proterozoic to Mississippian age of the Nisutlin subterrane. Quartz-sericite schists occasionally occurring as interbeds may represent a felsic volcanic protolith. This sequence of rocks is part of the broad Yukon-Tanana terrane which lies northeast of the complex Teslin Structural zone, see Figure 7. A large body of Cretaceous aged granite intrudes the package to the NE of the target area, this contact was not investigated.

The maganese occurrence previously discussed is believed to have formed as a stratiform synsedimentary deposit. Rhodocrosite, which is found in the deposit is known to occur with Ag, Pb, Zn and Cu sulfide ores in other parts of the world.

Sulfide mineralization consisting mainly of disseminated pyrite was widespread within a number of the lithologies sampled and may in fact represent a fairly narrow stratigraphic interval. Abundant malachite staining was detected at a number of locations extending along strike from the historic copper showing in the area. Thin section work completed on sample 98R396 (see Appendix D) taken at a distance of 1 km. from this showing, revealed malachite associated with microveins both parallel to and crosscutting the original metamorphic fabric of a muscovite schist of sedimentary origin. No primary copper minerals were noted in the thin section and the secondary mineralization, in the form of the malachite, was introduced into the sample in the veining from some as yet unknown source.



GEOLOGICAL LEGEND

- Q — Glacial and alluvial deposits
- Kg — Quartz monzodiorite
- Jps — Laberge group metasediments
- PMgr — Greenstone
- DMg — Quartz diorite
- PMgp — Carbonaceous metasediments
- PDsq — Metasediments
- PPn — Quartz rich schist to gneiss

SYMBOLS & PHYSICAL FEATURES

- Geological contact (known, approximate)
- Fault (known, approx.)
- Limit of outcrop
- Stream, creek
- 4-wheel drive road
- Claim group boundary

0 2000 4000 6000 8000 10000
METRES

WADE CARRELL- YMIP 98-034

MOUNT GRANT
Regional Geology

Steve Traynor, Geologist

SCALE: 1 : 250,000	FILE: WC98_5	DATE: 98.11.15
NTS: 105 C/14	DRAWN:	FIGURE 7

Two phases of deformation, which have masked most primary textures in the rocks, were identified in the area. The first associated with late Mesozoic thrust faulting along the Teslin Structural zone caused regional ductile deformation that formed tectonites, while the second was a folding event that produced widespread crenulation of earlier fabrics and local cleavage development.

DESCRIPTION AND SUMMARY OF WORK

Work in the area was completed during the period from Sept. 2 to 10, 1998 inclusive, with one day on Sept. 7 lost due to bad weather.

Detailed prospecting, reconaissance and lithological grab sampling were completed during the course of numerous traverses on open ground surrounding the currently valid claim group in the area. This work was aimed at determining possible extensions of known mineralization in the area and investigating other prospective lithologies west and south of the claim block (see Figure 8, in the map pocket).

A total of 12 samples, 10 rock and 2 stream sediment samples, were collected for analysis and one sample, 98R396, was submitted for thin section preparation.

ANALYSIS AND RESULTS

Standard analysis for trace elements and major oxides were completed on the samples collected and description of the methods used are included with the certificates of analysis in Appendix C.

Sample 98R390 indicates a probable blind extension of the rhodonite deposit located within the active claim block in the area. As well sample 98R396 appears to indicate a continuation of the high grade copper showing also located within this claim group. Both of these samples were taken outside the claim group and are worthy of followup. Petrographic analysis of 98R396 (see Appendix D) indicates that the rock was probably terrigineous in origin and likely contains abundant quartz veining. Copper mineralization in the form of secondary malachite appears associated with this and later veining, lending weight to the suggestion by previous authors that the highgrade showing in the area is the result of metaliferous veining. This interpretation will be important in planning any followup of this area.

Further to the southeast, toward Upper Murphy Creek, a series of samples 98R393, 394 and 395 all revealed strong Na and Ca depletion when analysed. These samples contained varying amounts of disseminated sulphides, including pyrite, chalcopyrite and molybdenite and were taken from outcrops that

often produced moderately to well deveoped gossans.

CONCLUSIONS AND RECOMMENDATIONS

The presence of lithologies similar to rocks elsewhere in the Yukon Tanana terrane that represent geological environments permissive for the deposition of massive sulfides, is indicative of the potential of this area to host similar mineralization. Furthermore, there is good indication that highgrade veining previously encountered in the area may be more extensive than previously realized.

Continued prospecting and lithological sampling in the areas WNW and SE of the active claim group in the area is warrented. In the area to the WNW, the terrane and nature of the residual cover are such that soil sampling would likely be quite useful in determing if copper mineralization is indeed more widespread in this area. Well detailed geological mapping and careful sampling may provide some clues to the true potential of the area to SE.

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APPENDIX A

SUMMARY OF PROSPECTING ACTIVITIES
AND
FIELD NOTES

SUMMARY OF 1998 FIELD ACTIVITIES – WADE CARRELL, YMIP 98-034

KING LAKE PROJECT AREA

April 18, 1998 -King Lake access reconnaissance and orientation.
-Determined road access, prospected N and NE side of King Lake, looked for old core and oriented old baseline.
-WSC, CRW and SDT.

April 22, 1998 -Claim staking (EZE 1 – 4) of old showing and drill sites.
-Reconnaissance to locate old trenches on SW end of lake.
-WSC and CRW.

April 24, 1998 -Investigate core at Core Library.
-Located 1974 core from Keno Hill drilling, found 4 boxes of selected core.
-Reviewed available core and compared to drill logs from assessment file.
-Split and sampled interesting intervals.
-Described all sampled core and sent out 10 samples for Au + 34 element analysis.
-WSC, CRW and SDT.

May 9, 1998 -King Lake prospecting.
-Prospected around lake and investigated Labarge Group rocks to the west and the contact with the granodiorite.
-Located a number of drill sites and followed out site access road.
-Prospected SE end of lake and sampled old showing (lower pit) and looked for additional outcrop in the vicinity.
-WSC, CRW and SDT.

May 16-17, 1998 -King Lake prospecting.
-Prospected high ground to the south and east of lake.
-Reconstructed baseline and chained out known distances to confirm findings.
-Prospected and sampled active drainage and overflow channels of main creek draining north towards the lake and attempted to locate historic placer workings (?).
-WSC, CRW and SDT.

May 19, 1998 -Aerial reconnaissance of King Lake area.
-Orientation of area to the SE of lake in an attempt to identify possible outcrop.
-WSC and CRW.

May 22-24, 1998 -King Lake prospecting and staking.
-Sampled upper pit at old showing and propected abundant frost heaved float and searched for additional outcrop.
-Staked EZE 5 – 24 to complete property block and cover assumed extent of intrusive based on magnetic signature and topography.
-Prospected common lines of claims and old drainage channels on property block.
-Broke camp in steady rain and returned to town to record claims.
-WSC, CRW and SDT.

June 18, 1998 -King Lake detailed sampling.
-Worked with jackhammer to complete deeper sampling of old blast trenches.
-WSC and CRW.

Sept. 22&23, 1998-Prospected claim block in an unsucessful attempt to locate additional outcroppings.
-WSC

KING LAKE PROJECT AREA – continued

Sept. 25, 1998 -Magnetometer orientation survey.
-Slashing and clearing of baseline.
-WSC and SDT.

Sept. 27&28, 1998–Slashing and clearing baseline.
-WSC and MC (27th).

Oct. 23, 1998 -Additional sampling and description of King Lake core.
-WSC and SDT.

TESLIN LAKE PROJECT AREA

June 19, 1998 -Supply and mobilization for Teslin Lake reconaissance.
-Lake was to rough to leave Teslin, overnight at local lodge.
-WSC and CRW.

June 20, 1998 -Traverse and prospected area south of Morley Bay.
-Established camp late in the day.
-WSC and CRW.

June 21, 1998 -Traversed and prospected area east of camp.
-No significant mineralization was encountered in greenstones.
-WSC and CRW.

June 22, 1998 -Traversed and prospected area near B.C./ Yukon border.
-Investigated a number of unit contacts in area.
-Only mineralization noted was some malachite stained float on shore which could not be traced to source.
-WSC and CRW.

June 23, 1998 -Broke camp and returned to Whitehorse.
-WSC and CRW.

MOUNT GRANT PROJECT AREA

Sept. 2, 1998 -Area orientation and access reconaissance.
-Setup camp at old site.
-WSC.

Sept 3, 1998 -Additional area orientation.
-Upgrade a number of crossings to improve area access.
-WSC.

Sept. 4, 1998 -Traverse and prospect area north and west of Marlin deposit.
-Lithological sampling off existing claim block.
-WSC and SDT.

Sept. 5, 1998 -Traverse and prospect upper Murphy Creek area and complete lithological sampling of area south and east of existing claim block.
-WSC and SDT.

MOUNT GRANT PROJECT AREA - continued

Sept. 6, 1998 -Traverse and prospect area around Cone Mountain in an attempt to locate historic showings in this area.
-WSC and SDT.

Sept. 7, 1998 -Cold and rainy all day, snow at elevation made conditions unsafe for working.
-WSC and SDT.

Sept. 8, 1998 -Traverse and prospect ridge north and west of camp.
-Lithological sampling of units exposed on high ground.
-WSC and SDT.

Sept. 9, 1998 -Traverse and prospect area south of Mt. Grant and south and west of high grade copper showing on NW corner of existing claim block.
-Completed lithological sampling of SW continuation of the unit that hosts above noted showing.
-WSC and SDT.

Sept. 10, 1998 -Additional prospecting around ridge NW of camp and limited stream sediment sampling of headwaters of Evelyn Creek above camp.
-Broke camp and returned to Whitehorse.
-WSC and SDT.

JOB KING LAKE

DATE APRIL 18/98 PAGE 1

CLAYTON, STEVE & I DROVE OUT PAST THE DOG TRACK TO RECON THE ACCESS ROAD TO KING LAKE

DROVE INTO THE "Y" EAST OF KING LAKE.

HIKED DOWN TO THE LAKE FOUND THE OLD BASE LINE & CAMP SITE.

PROSPECTED ALONG NORTH SIDE OF ROAD TO THE OLD CAMP.

OUTCROP IS FRACTURED ANDESITE WITH EPIDOTE IN FRACTURE FILLINGS

COULDN'T FIND ANY CORE AT THE CAMP SITE BY THE LAKE

LOTS OF SNOW MELTING.

PARTY CHIEF W. CARRELL

WEATHER SUNNY - WARM

wade

JOB EASY PROPERTY

DATE APRIL 22/98 PAGE 1

TRIED TO SET UP GPS AS PER INSTRUCTIONS.

IT DOESENT WORK!

STARTED STAKING EZE #1 & #2 ON SOIL GRID LINE BEARING 225° AT 8:! AM, APRIL 22, 1998

POST #1
EZE #1
1500' EAST
1500' S.W.
APRIL 22/98
C. WILSON

POST #1
EZE #1
1500' S.W.
1500' RIGHT
APRIL 22/98
C. WILSON

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD - COOL

wade

JOB FZE - KING LAKE

DATE APRIL 22/98 PAGE 2

STAKED FZE #3 & #4

9:AM

POST #1
FZE #3
1500'
S.W.
1500' LEFT
APRIL 22/98
C. WILSON

POST #1
FZE #4
1500'
S.W.
1500' RIGHT
APRIL 22/98
C. WILSON

FINISHED STAKING 10:AM

COULDN'T FIND ANY COKE AT OLD CAMP SITE

COULDN'T FIND TRENCHES BECAUSE SNOW IS ABOUT 2 FEET DEEP IN THE AREA.

wade

PARTY CHIEF D. CARRELL

WEATHER CLOUDY - COOL

JOB KING LAKE

DATE APRIL 24/98 PAGE 1

④ Pyrite is dominant sulfide in tungsten and moly, overall sulphur and sulfide mineral content lower.

Mineralogy

Pd ASG Card models

⑧ ⇒ TOPAZ is an assoc. mineral in Mo, Wo/Mo, Sn & Sn/Ag and Ag porphyry.

⑤ Vein and breccia occurrences may be peripheral to porphyry mineralization

Veins

Breccia

(Pyrite zone)

Porphyry

PARTY CHIEF

WEATHER

wade

JOB KING LAKE

DATE APRIL 24/98 PAGE 2

⇒ Ref. index for core library!?

CLAY & I LOCATED THE CORE FROM KENO HILL'S DRILL PROGRAM IN 1974 AT THE CORE LIBRARY.

STEVE MET US AT THE CORE LIBRARY.

STEVE SELECTED CORE SECTIONS FOR SAMPLING.

CLAYTON CUT THE CORE.

STEVE & I LOGGED THE CORE SAMPLES, HE SELECTED FOR AU & 32 ELEMENT ASSAY.

WE RETURNED THE CORE BOXES TO THE SHED.

LEFT SMILING.

PARTY CHIEF W. CARRELL

WEATHER WITHDRAWN

wade

KING LAKE

JOB EZE PROSPECT

DATE MAY 9/98 PAGE 31

[redacted]

LOCATED SEVERAL STAKES ON THE EZE #1 TO #4 COMMON LINE. ALL ARE WEATHERED BEYOND READING

TOOK SAMPLE A98R-100 FROM A BLAST TRENCH LOCATED 45 METERS NE & 20 METERS S OF POST #2 EZE #1 & #2

I TRIED TO RE-ESTABLISH THE BASELINE WHILE CLAY & STEVE PROSPECTED AROUND THE LAKE TO THE NORTH & WEST.

STILL SOME SNOW ON BASE LINE

PARTY CHIEF D. CARRELL

WEATHER SUNNY - WARM

wade

JOB KING LAKE

DATE MAY 16/98 PAGE 1

CLAY, STEVE & I RETURNED TO KING LAKE

CLAY SET UP CAMP. STEVE & I PROSPECTED SOUTH WEST OF BASE LINE, TO THE TOP OF THE HILL.

SOME ANDESITE OUTCROPS AT TOP OF HILL SOUTH OF UPPER END OF CREEK, WEST OF KING LAKE.

WE FOLLOWED THE CREEK CHANNEL BACK TO THE CAMP.

NO OUTCROP IN CREEK

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD - WARM

wade

JOB KING LAKE

DATE MAY 17/98 PAGE 2

STEVE & I RE CHAINED THE BASELINE FROM A KNOWN POINT EAST OF THE LAKE.

CLAYTON PROSPECTED THE CREEK FROM CAMP EAST TO THE LAKE.

WHEN STEVE & I HAD RE-ESTABLISHED THE BASE-LINE, WE PROSPECTED THE DRAINAGE CHANNELS TO THE SOUTH OF KING LAKE.

STEVE TOOK A STREAM SED SAMPLE FROM THE CREEK ABOVE THE OLD PLACER CLAIMS.

CLAYTON DIDN'T FIND ANY PLACER WORK ON THE CREEK

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD

wade

JOB KING LAKE

DATE MAY 19/98 PAGE 1

CLAYTON & I TOOK A FLIGHT OVER THE KING LAKE AREA, TO LOOK FOR OUTCROP.

WE NOTED THREE DISTINCT OUT WASH CHANNELS RUNNING SOUTH OF KING LAKE.

WE DROVE INTO THE PROSP-ECT, TO LOCATE POSSABLE OUT CROP, SEEM ON A RIDGE, ABOUT 500 METERS SOUTH, OF AN OLD WOOD CUTERS ROAD

THE AREA TURNED OUT TO BE ERODED CLAY & GRANODIORITE BOULDERS.

NO SAMPLES TAKEN

PARTY CHIEF W. CARRELL

WEATHER SUNNY - WARM

wade

JOB KING LAKE
DATE MAY 22/98 PAGE 1

STEVE & I STAKING EZE AT 3:30 P.M.

POST #1
EZE #5
1500' S.W.
1500' LEFT
MAY 22/98
S. TRAYNOR

POST #2
EZE #5
MAY 22/98
S. TRAYNOR
4:40 PM

POST #1
EZE #7
1500' S.W.
1500' LEFT
MAY 22/98
S. TRAYNOR

STARTED #5 & #6

POST #1
EZE #6
1500' S.W.
1500' RIGHT
MAY 22/98
S. TRAYNOR

POST #2
EZE #6
MAY 22/98
S. TRAYNOR

POST #1
EZE #8
1500' S.W.
1500' RIGHT
MAY 22/98
S. TRAYNOR

PARTY CHIEF W. CARRELL
WEATHER BROKEN CLOUD WARM

JOB KING LAKE
DATE MAY 22/98 PAGE 2

POST #2
EZE #7
MAY 22/98
S. TRAYNOR

POST #2
EZE #8
MAY 22/98
S. TRAYNOR

WE FINISHED STAKING AT 5:55 P.M.

CHAINED 317 METERS AT 135° TO INTERSECT ROAD

CLAYTON SET UP CAMP.

CLAY & STEVE SAMPLED THE UPPER BLAST PIT.

I PROSPECTED FOR OUTCROP ABOVE THE PITS.

MORE GRANODIORITE WITH SOME MALACHITE STAIN 30 METERS S.W. OF PITS.

PARTY CHIEF W. CARRELL
WEATHER BROKEN CLOUD - WARM

JOB KING LAKE

DATE MAY 23/98 PAGE 3

STEVE & I STARTED STAKING ON BEARING OF 135° AT 11:AM

POST #1
EZE #17
1500'
SOUTH
1500'
LEFT
MAY 23/98
S. TRAYNOR

POST #1
EZE #18
1500'
SOUTH
1500'
RIGHT
MAY 23/98
S. TRAYNOR

#2 POSTS & #1 POSTS 12:30

POST #1
EZE #19
1500' SOUTH
1500' LEFT
MAY 23/98
S. TRAYNOR

POST #1
EZE #20
1500' SOUTH
1500' RIGHT
MAY 23/98
S. TRAYNOR

PARTY CHIEF W. CARRELL

WEATHER SUNNY - WARM

JOB KING LAKE

DATE MAY 23/98 PAGE 4

FOUND POSSABLE SUB OUT CROP, 10 METERS DOWN SLOPE FROM POST #1, EZE #19

FRACTURED GRANODIORITE WITH EPIDOTE ON FRACTURES

POST #1
EZE #21
1500' SOUTH
1500' LEFT
MAY 23/98
S. TRAYNOR

POST #1
EZE #22
1500' SOUTH
1500' RIGHT
MAY 23/98
S. TRAYNOR

#2, 19 & 20 & POST #1 21 & 22 STAKED 2:30 PM

#2 POSTS #21 & #22,
#1 POSTS #23 & #24
STAKED 4:30 PM

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD - WARM

JOB KING LAKE

DATE MAY 23/98 PAGE 5

POST #1
EZE #23
1500' SOUTH
1500' LEFT
MAY 23/98
S. TRAYNOR

POST #1
EZE #24
1500' SOUTH
1500' RIGHT
MAY 23/98
S. TRAYNOR

FINISHED STAKING #2 POSTS EZE #23 & 24 AT 6:00 PM

PROSPECTED BACK ALONG THE MAIN OUTWASH CHANNEL UNTIL WE HIT CLAYTONS COMMON LINE.

LOTS OF LARGE GRANODIORITE BOULDERS MOSTLY SUB ANGULAR

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD - WARM

wade

JOB KING LAKE

DATE MAY 24/98 PAGE 6

WE PROSPECTED THE UPPER COMMON LINE TO INVESTIGATE THE INFERRED GRANITE SUB OUTCROP?

ALL ROCK BELOW THE #1 POSTS EZE #19 & #20 IS ANGULAR.

STARTED TO RAIN BEFORE NOON.

RETURNED TO CAMP. PACKED UP & LEFT FOR TOWN.

WILL RECORD CLAIMS ON MONDAY.

PARTY CHIEF W. CARRELL

WEATHER STEADY RAIN

wade

JOB KING LAKE

DATE JUNE 18/98 PAGE 1

CLAYTON & I TOOK AN ELECTRIC JACKHAMMER OUT TO KING LAKE.

SPENT THE DAY TRYING TO GET DEEPER INTO THE BLAST TRENCHES.

TOOK A GRAB SAMPLE BETWEEN THE TWO PITS.

SOME CALCOPHANITE, PYRITE, & MOLLY IN FRACTURE FILLINGS.

NEED TO DRILL & BLAST

RETURNED TO TOWN 6:PM.

PARTY CHIEF D. CARRELL

WEATHER CLEAR & HOT

wade

JOB TESLIN LAKE REGION

DATE JUNE 19/98 PAGE 01

CLAY & I MOBILIZED TO TESLIN LAKE.

OVERNIGHTED AT DAWSON PEAKS RESORT.

LAKE TOO ROUGH FOR BOAT ~~SAFELY~~. SAFETY.

WILL LEAVE EARLY WHEN LAKE CALMS.

PARTY CHIEF D. CARRELL

WEATHER SUNNY - WARM - WINDY

wade

JOB TESLIN LAKE REGION

DATE JUNE 20/98 PAGE 02

CLAYTON & I WERE BOATING OUT OF MONKEY BAY AT 7:AM

WE TRAVERSED UP OVER A GREENSTONE UNIT THAT OUT CROPS ON THE EAST SIDE OF THE LAKE, JUST SOUTH OF MONKEY BAY.

THE GREENSTONE UNIT IS EXPOSED ALONG THE LAKE SHORE FOR ABOUT ONE KILOMETER.

THE EXPOSURE DISAPPEARS UNDER THE DIRT ABOVE THE LAKE ABOUT 100 METERS.

NO MORE OUTCROP EXPOSED ON THE SHORELINE OF TESLIN LAKE IN YUKON.
SET UP CAMP AT 7:PM.

PARTY CHIEF D. CARRELL

WEATHER SUNNY, HOT & CALM

wade

JOB TESLIN LAKE

DATE JUNE 21 98 PAGE 03

CLAY & I TRAVERSED EAST OF CAMP

ENCOUNTERED GREENSTONE IN OUTCROP; BUT NO MINERALS FOUND
SEE TRAVERSE ON MAP.

RETURNED TO CAMP BY 5:PM.
WETEST, COLDEST, LONGEST DAY OF SUMMER.

PARTY CHIEF D. CARRELL

WEATHER RAIN, WIND, COLD

wade

JOB TESLIN LAKE REGION

DATE JUNE 22/98 PAGE 04

CLAYTON & I TRAVERSED EAST ON THE B.C. YUKON BORDER CUT LINE.

WE FOLLOWED THE CONTACT BETWEEN THE GREENSTONE & LIMESTONE NORTH.

WE CROSSED THE RIDGE TO THE EAST TO CHECK THE CONTACT WITH THE GRANITE & LIMESTONE UNITS.

RETURNED TO CAMP BY 5:PM

NO MINERALIZATION FOUND

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD - RAIN COOL

wade

JOB Mount Grant

DATE Sept. 2/98 PAGE 01

I drove into the old camp site South East of Mount Grant.

Had to winch around a washed out piece of road bed which collapsed as I winched through.

Cleaned out a frame shack & got heat & Dinner by 8:PM

Will do more road work tommorrow.

PARTY CHIEF W. Carrell

WEATHER Snow, Rain, Cold.

JOB Mt. Grant

DATE Sept. 3/98 PAGE 02

Spent the day upgrading creek crossings on the access road.

Followed an old road that runs East of Evelyn Cr.

This road ends at a tarn lake above tree line & East of Mount Grant.

Cut some fine wood for new stove on way back into camp.

All rock exposed East of Evelyn Creek is un-mineralized granite.

PARTY CHIEF W. Carrell

WEATHER Broken Cloud, Showers, Cool

JOB MOUNT GRANT

DATE SEPT 4/98 PAGE 03

STEVE & I PROSPECTED NORTH WEST OF THE MARLIN DEPOSIT

TOOK SAMPLES OFF THE CLAIM BLOCK FOR LITHOLOGICAL TEST.

ONE SAMPLE OF QUARTZ SCHIST WEST OF THE BLOCK HAD A LOT OF MANGANESE STAINING

STEVE & I GOT BACK TO CAMP JUST AHEAD OF THE RAIN.

SLIPPERY CONDITIONS KEPT THE PACE SLOW.

PARTY CHIEF W. CARNELL

WEATHER BROKEN CLOUD COOL

wade

JOB MOUNT GRANT

DATE SEPT 5/98 PAGE 04

STEVE & I PROSPECTED SOUTH EAST OF THE CLAIM BLOCK.

STEVE TOOK SAMPLES FOR LITHO GEO CHEM.

OUR TRAVERSE TOOK US INTO UPPER MURPHY CREEK VALLEY.

WE RETURNED ON THE EAST BRANCH OF UPPER EVELYN CREEK

I FOUND A PIECE OF WELL MINERALIZED FLOAT ON A SCREE SLOPE SOUTH OF THE EAST EXTREMITY OF EVELYN CREEK.

PARTY CHIEF W. CARNELL

WEATHER SUNNY - WARM, WINDY

wade

JOB Mount Grant

DATE Sept 6 /98 PAGE 05

Steve & I prospected South West of the Rhodonite Deposit.

We traversed the Cone Mountain area, in an effort to locate the showing, on the old Moose Hill group.

No luck finding the show.

Lots of Moose Trails.

PARTY CHIEF D. Cannell

WEATHER Sunny - Warm

JOB Mount Grant

DATE Sept 7 /98 PAGE 06

Rain - Cold & Snow at elevation.

No Work.

PARTY CHIEF D. Cannell

WEATHER Rain, Snow & Cold

JOB MT. GRANT

DATE SEPT 8/98 PAGE 07

I PROSPECTED WEST OF CAMP.

TOOK SAMPLE # 98R 145 FROM FLOAT EAST OF CLAIM BLOCK & SOUTH EAST OF MT GRANT.

SAMPLE IS A QUARTZ RICH FELSIC WITH LIMONITIC STAIN & 30% SULFIDES

SAMPLE 98R 146 TAKEN FROM OUTCROP 100 METERS EAST OF LAST SAMPLE.

SAMPLE IS LAMINATED QUARTZ ITE WITH 5% SULFIDES & LIMONITIC STAIN ON EXPOSED SURFACES

ALL OUTCROP IS STREPCY DIPPING SOUTH EAST

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD COLD.

JOB MT. GRANT

DATE SEPT. 9/98 PAGE 08

STEVE & I PROSPECTED SOUTH OF MT. GRANT.

WE TRAVERSED WEST OF THE COPPER SHOWING ON THE NORTH WEST CORNER OF THE EXISTING CLAIM BLOCK.

STEVE TOOK SAMPLES FROM OUTCROP ABOUT ONE KILOMETER S.W. OF THE COPPER SHOWING.

SAMPLES ARE A QUARTZ RICH CHLORITIC SCHIST WITH MALACHITE IN THE SCISTOSITY.

THIS ROCK UNIT APPEARS TO BE A CONTINUATION OF THE UNIT THAT HOSTS THE HIGH GRADE COPPER TO THE NORTH EAST.

PARTY CHIEF W. CARRELL

WEATHER SUNNY - COOL

JOB MOUNT GRANT

DATE SEPT. 10/98 PAGE 09

STEVE & I PROSPECTED ON THE RIDGE MONTH WEST OF CAMP.

WE TOOK STREAM SED SAMPLES FROM EVELYN CREEK ABOVE THE CAMP.

RETURNED TO CAMP FOR LUNCH.

BROKE CAMP & LEFT FOR WHITEHORSE.

PARTY CHIEF W. CARRELL

WEATHER BROKEN CLOUD, WARM

wade

JOB

DATE PAGE

PARTY CHIEF

WEATHER

wade

JOB KING LAKE

DATE SEPT 22/98 PAGE 01

I DROVE OUT TO KING LAKE TO PROSPECT.

I TRAVERSED UP THE EAST END OF THE EZE CLAIM BLOCK.

THERE IS A SMALL EXPOSURE OF GRANODIORITE OUTCROP, WHICH CONTACTS THE META SEDS ON THE NORTH END OF EZE #4

THE GRANITE HAS SOME EPIDOTE WITH THE QUARTZ IN FRACTURE FILLINGS. BUT IS OTHERWISE UNMINERALIZED.

I TRAVERSED SOUTH ON THE 17 TO 24 LINE. NO OUTCROPS GLACIAL TILL & VEGITATION COVER ALL THE SLOPES.

PARTY CHIEF D. CARRELL

WEATHER SUNNY - WARM

wade

JOB KING LAKE

DATE SEPT 23/98 PAGE 02

I PROSPECTED THE DRY CREEK BED FOR OUTCROP.

NONE FOUND.

I TRAVERSED SOUTH ON THE 9 TO 16 BLOCK.

THERE ARE SOME LARGE GLACIAL ERRATICS ON THE SLOPES. NO OUTCROP.

I RETURNED TO TOWN AT 5:PM.

PARTY CHIEF D. CARRELL

WEATHER SUNNY - WARM

wade

JOB KING LAKE

DATE SEPT. 25/98 PAGE 01

STEVE & I RENTED A MAGNETOMETER FOR THE DAY.

WE RAN TWO LINES, NORTH OF THE BASELINE, & TESTED FOR MAGNETIC RESPONSE ON THE SHOWING THAT WAS BLAST TRENCHED.

WE ALSO TOOK READINGS ON THE ROAD WEST OF THE BASELINE & ON THE EAST SIDE OF KING LAKE.

PARTY CHIEF W. CANNELL

WEATHER SUNNY - WARM

wade

JOB KING LAKE

DATE SEPT. 27/98 PAGE 02

I SPENT THE DAY SLASHING OUT THE WILLOWS THAT HAVE OVER GROWN THE BASELINE.

I CLEANED UP 500 METERS OF LINE.

ONE MORE DAY'S SLASHING SHOULD CLEAN UP ONE KILOMETER OF LINE FOR OUR I. P. SURVEY.

PARTY CHIEF W. CANNELL

WEATHER BROKEN CLOUD - WARM

wade

NOTES

JOB King Lake - core samples

DATE PAGE

98-001 (75-1, 60.0')

Fn to med gn porphyritic andesite(?). Phenocrysts are equigranular and shows alteration to 2-3% pyrite and epidote. Sample is strongly magnetic and shows minor fracturing.

98-002 (75-3, 50.0')

Dark black very fine gn altered or sheared(?) possibly similar in composition to 98-001 Strongly magnetic (possible replacement) with abundant fngn pyrite.

PARTY CHIEF

WEATHER

wado

JOB.....

DATE.....PAGE.....

98-003 (75-3, 93.0')

Extensively altered, possibly granodiorite with abundant chlorite and pyrite. Minor fracturing shows copper staining and traces of chalcopyrite are noted throughout sample. Strongly magnetic.

98-004 (75-4, 58.5')

Moderately ~~fractured~~ fn to med. gn. qtz-biotite diorite. Fractures are filled with epidote and abundant pyrite. Sample contained a porphyritic ~~tighter~~ fm colored granite ~~that~~ phase that appear to be later but as core was only representative samples, the exact nature was not determined. It was also cut by epidote filled fractures -

PARTY CHIEF.....

WEATHER.....

JOB.....Best values!

DATE.....PAGE.....

98-005 (75-4, 366')

Fn gn diorite showing finer grained areas giving the rock an almost conglomeritic texture. Possibly represents fluid flow through a partially brecciated ~~fragment~~ fragment. These areas shows chloritic alteration with abundant fn gn pyrite to 3% and are weakly to moderately magnetic. They are up 5cm across (avg. 2-3cm). Minor epidote filled fractures roughly parallel these structures.

98-006 (75-5, 339')

Highly altered very rocks showing remendant porphyritic textures. May have been a diorite? Abundant replacement by pyrite, biotite and magnetite.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE..... PAGE .....

98-007 (75-11, 351.0')

Altered breccia zone in chloritically altered diorite. Rounded qtz rich diorite frags up to 1cm. with epidote infilling. Appears to contain visible gold!

98-008 (75-12, 120.0')

Highly fractured granodiorite with abundant K-feldspar alteration. Two many closely spaced fracture sets at near right angles occur at ½ - 1cm spacing and are filled with epidote and occasionally show minor copper (malachite) staining. Biotite alteration associated with the stronger set was noted. A few discreet pyrite specks were noted but no other visible sulfides.

PARTY CHIEF.....

WEATHER.....

wade

JOB.....

DATE..... PAGE .....

98-009 (75-12, 266.0')

Strongly brecciated diorite that shows biotite alteration in brecciated zone. Later epidote filled fractures, containing minor chalcopyrite often cross cut fine cleavages. Calcite alteration, weak is also noted. In brecciated areas the sample is moderately magnetic.

98-010 (75-11, 331.0')

Diorite showing weak moderate K-feldspar & biotite alteration. Minor epidote filled fracturing.

PARTY CHIEF.....

WEATHER.....

wade

JOB

DATE PAGE

Equipment

- Bale
- Sample Tags

PARTY CHIEF

WEATHER

wade

JOB EZE Recon

DATE May 9 98 PAGE

BL at road

① SW side of lake 1st ridge, major fracture set (fault) at 20°/73E

② EZE Posts #1, 2, 3 claims 7 and 8 not recorded
60°48.60N
135°29.38W

③ Headwaters of creek that placer claims were on shows sericite alteration with assoc. qtz. Strong iron staining on ground and in snow around ground water seeps

PARTY CHIEF

WEATHER

wade

JOB.....

DATE.....PAGE.....

④ Drill site (?) at top of road
60°48.30N
135°28.97W
3620ft.

⑤ EZE 3&4 posts 2
60°48.33N
135°28.83W

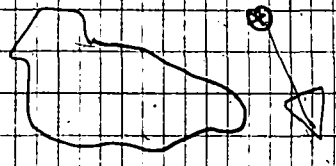
PARTY CHIEF.....

WEATHER.....

JOB...May 16/93

DATE.....PAGE.....

Hole 75-4 is at
1400N / 450W
-60°SE
(approx.



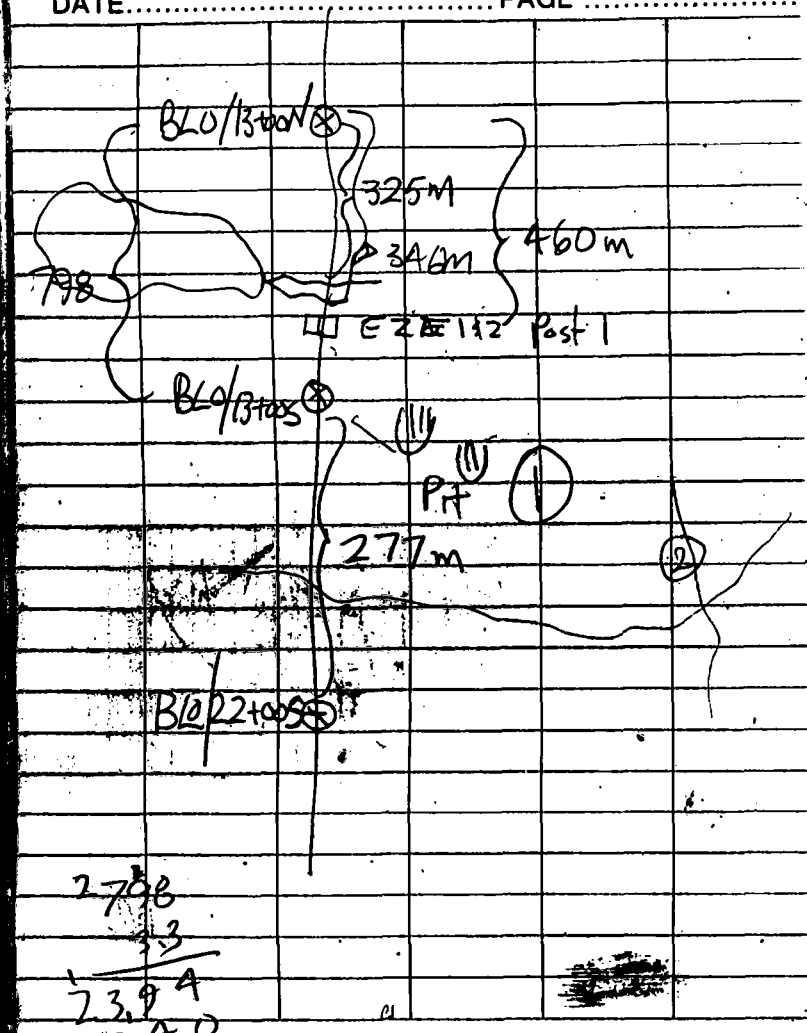
→ Traverse up to the high ground proximal radium
Fruitless as overburden is very extensive and 10m or more deep. No otc. Overburden is glacial till with mostly rounded cobbles with sand and clay. No otc was cut in creek either.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE..... PAGE .....



2798
33
2390
2390
33.4

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE..... PAGE .....

1 Old test pit in gn. granodiorite.

2 Well developed fracture sets,

1st set 036° / 70°E

2nd set 300° / 88°N

Moderately developed iron staining and minor malachite staining often with epidote and calcite infilling.

Took grab sample 98R-011.

* Get exact location from WSC.

PARTY CHIEF.....

WEATHER.....

JOB.

DATE. PAGE

② Active channel stream sediment sample just below ridge ~~in~~ traversed for ot[illegible]

[illegible]S012

PARTY CHIEF.

WEATHER.

wade

JOB.

DATE. May 23/98 PAGE

~~Start at Post 2~~
~~E2E 1&2~~

- Creek at 220m
- Road at 339m

① Post 1 E2E 13&14
Post 2 E2E 11&12
1:30 pm
60°47.97'N
135° 27.42'W

② Post 2 E2E 15&16
3:15 pm
60°47.63N
135°26.75W

PARTY CHIEF.

WEATHER.

wade

JOB

DATE PAGE

PARTY CHIEF

WEATHER

JOB King Lake detail sampling

DATE June 19, 1998 PAGE

Assay Samples from Lower pit sampled with Jackhammer

Numbered 98R060 (Wade's Samples)

PARTY CHIEF

WEATHER

No. .....
Date ..... Page .....

98R389

No. Sept. A 1980
Date Cave Mtn Recon Page .....

98R390 Terrigineous (?) qtz-bio>chl schist showing abundant Mn staining throughout. Abundant float on slope.

98R391 Qtz-mica>chlorite schist showing moderate iron staining.

98R392 Greyish Thinly laminated chert with minor disseminated sulfides. Prominent orange gossanous stain

No. Upper Murphy Creek.
Date Sept. 5 98 Page

98R393
Qtz-sericite>chlorite schist with 1% diss. sulfides - pyrite - minor chalco.

98R394
Qtz-sericite schist. Moderately yellow orange goss zones, 1% minor diss sulfides incl. moly (?)

98R395
~~Qtz biotite~~
Biotite-qtz schist with 3% sulfides, incl. chalco.

No.
Date Sept. 6 98 Page

- Prospected around Cone in an unsucessful attempt to locate historic showings report in the area.

Sept 7/98
Rain day!

Sept. 8/98
Prospected with Wade on ridge NW of camp, below limestone capping. Wade took samples 98R145 and 146.

No. .....
Date Sept. 9 198 Page .....

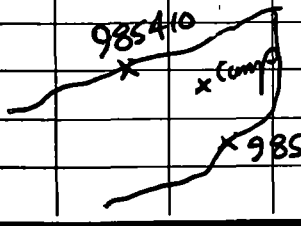
98R 396
Qtz > biotite schist with extensive malachite stain. Appears to be abundant free qtz, maybe remobilized in minor folding. This and another minor malachite stained show in the corner of their block appear to indicate an extension of at least 1km from their known showing.

98R397
Biotite (retrograde to chlorite) > qtz schist with silvery black fine grain sulfide (pyrite +/ galena (?))

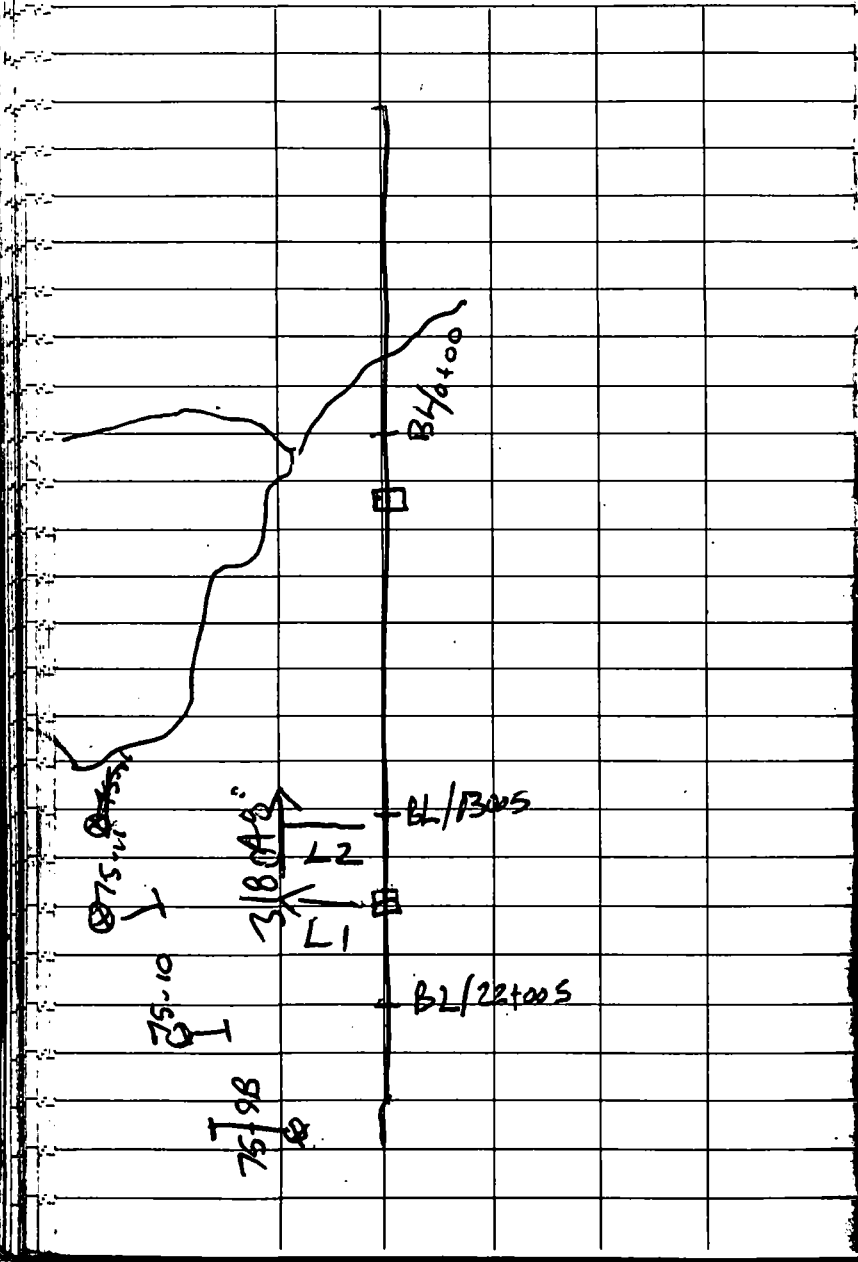
No. .....
Date ..... Page .....

~~disc~~ in small dots, possibly assoc. with minor folding. Also as small x cutting veinlets or fracture fillings.

Sept. 10 198
Prospected south facing slope of ridge NW of camp and took a couple of stream sed. before breaking camp.



No. .....
Date ..... Page .....



No. .....
Date Sept 25/98

King Lumber W/Page Surveying

Stn 3000 gamma background

	Stn	Reading	Δ	Time
Base Stn.				
Line 1	BS	1625		11:25am
0+00	010	1650		
	020	1710		
	030	1560		
	040	1450		
	050	1280		
	060	990		
	070	875		
	080	670		
	090	660		
	100	570		
	110	620		
	120	670		
	130	780		
	140	710		
	150	690		
	160	610		
	170	620		
	180	525		
	190	380		
	200	310		11:45am

No. .....
Date ..... Page .....

No. .....
Date ..... Page .....

		Reading	Time
Line 2 (0+50)	200	-40	
	190	130	
	180	180	
	170	240	
	160	360	
	150	420	
	140	460	
	130	500	
	120	575	
	110	560	
	100	475	
	090	280	
	080	340	
	070	300	
	060	260	
	050	450	
	040	210	
	030	260	
	020	290	
	010	260	
	000	340	12:10
Line 1	000	1550	— Tie in.

No. .....
Date ..... Page .....

No. King Lake - Core resample
Date Oct. 23/98 Page .....

98R411 (75-7, 299.0')

Moderately to strongly fractured diorite, showing moderate propylitic alteration with development of chlorite and epidote. Finely diss. pyrite and chalco noted throughout.

98R412 (75-7, 311.0')

Weakly to moderately fractured greenish diorite, show some propylitic alteration, also with some potassic alteration evidenced by at times abundant devel. of biotite and assoc. magnetic. Some K-feldspar devel. w/ sb. Minor sulfides noted.

No. .....
Date ..... Page .....

98R413 (75-9, 62.5)

Weakly fractured diorite showing some propylitic alteration. With Moderate to strong ~~fracture~~ quartz develop. ~~but~~ without major biotite developed. No sulfides are visible.

98R414 (75-9, 75.0)

Fine grained diorite. Grey green showing a mottled texture. Weak to mod. propylitic alteration with some destruction of texture. Abundant fine grained sulfides in sheared(?) matrix

98R415 (75-10, 125)

Altered diorite, showing porphyritic textures. Appears to have been potassically altered due to remanent biotite and magnetic. With either propylitic overprinting (or metamorphic?) ~~over~~ due to abundant alteration to chloritic as evidenced by replacement of a number of phenocrysts 1-2% sulfides, ~~with~~ pyrite, chalco.

98R416 (75-10, 141)

Highly altered and possibly sheared diorite. Shows moderate to strong fracturing with abundant propylitic alteration with devel. of epidote. Appears to over print earlier potassic alteration due to ~~destruction~~ replacement of biotite and magnetic character.

No. .....
Date ..... Page .....

98R417 (75-10, 238.5)

Fine grained dark green altered diorite with formation of abundant epidote and qtz. Sample contains considerable magnetite as well with 2% cpy and moly in 1/4" wide vein or fracture fill?)

98R418 (75-11, 156.0)

Highly altered diorite, moderately to strongly fractured. Appears to be hematite stained. Strong propylitic alteration with lots of qtz.

No. .....
Date ..... Page .....

98R419 (75-12, 50.0)

Weakly fractured red grn. dark green diorite showing strong potassic alteration. Some retrograde(?) replacement by chlorite of biotite is noted

98R420 (75-12, 102.0)

Dark green altered diorite showing strong fracturing with assoc propylitic alteration evidenced by abundant epidote along fractures.

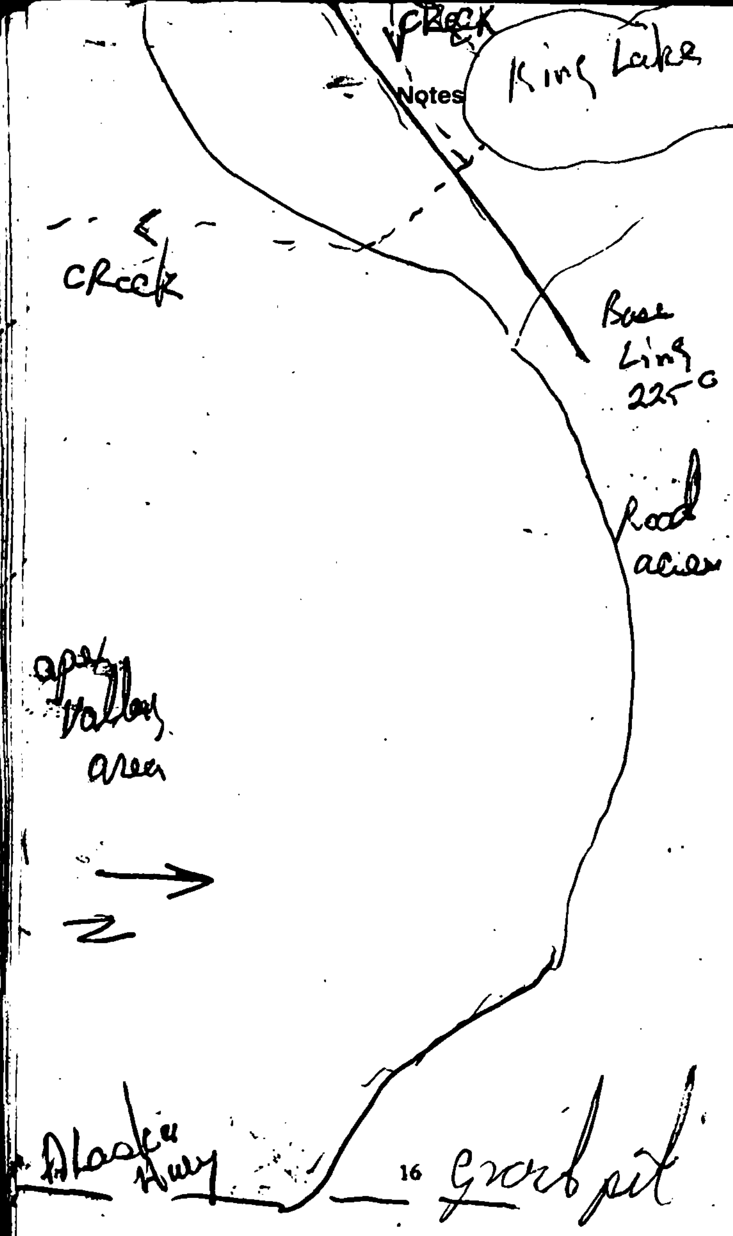
No. .....
Date ..... Page .....

98R421 (75-12, 215.0)
Fn. gn. dark green altered biotite. Strongly magnetic and moderately altered with abundant devel. of biotite. Show fine weakly developed fracturing.

98R422 (75-12, 311.0)
(Greyish green altered) diorite showing moderate propylitic alteration with development of chlorite and epidote. Weak magnetic character)

98R423 (75-12, 431.0)
Dark green altered diorite that is strongly magnetic. Shows development of abundant biotite.

No. .....
Date ..... Page .....

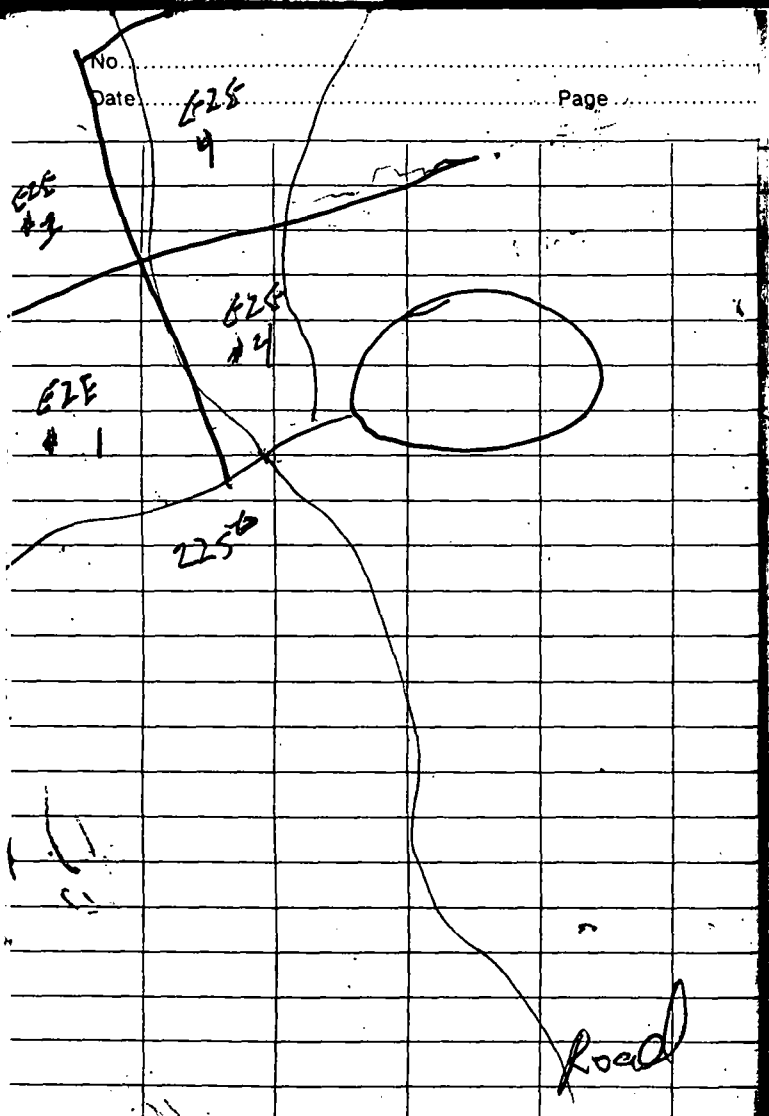


No. KING LAKE
Date APRIL 18 Page

Decided to do a recon flight into the King Lake area. The map shows the road.
- access is snow covered. Trees above 3500' are sparse, there must have been a fire kill 20-30 years ago.
Looked around the area for old core, none was found.
Found old flag line so can orient the old drill ops from 1974 hole [illegible] ([illegible]).
Returned to [illegible] base

[illegible] #10
[illegible]

No.
Date 625 Page



No. Ring Lake
Date April 22 Page

After some discussion it was decided to stake claims over the old drill site grid. Staffed claims using the old base line starting just west of the creek existing line left as it is were the lead claims end.

EZE #1	EZE #2
Post #1	Post #2
1500 W 1500 N	1500 W 1500 R
April 22 1998	April 22 1998
EZE #1 Post 2	EZE #2 Post 2
April 22 1998	April 22 1998
EZE #3	EZE #4
Post #1	Post #1
1500 W 1500 L	1500 W 1500 R
April 22 1998	April 22 1998
EZE #3 Post 2	EZE #4 Post 2
April 22 1998	April 22 1998

No.

Date. Page.

No.

Date. April 24 1998 Page.

Per research found there was sample core at HS Bostock core library. There is supposed to be 4 sample boxes

- found the boxes at the library and are only representative of each hole

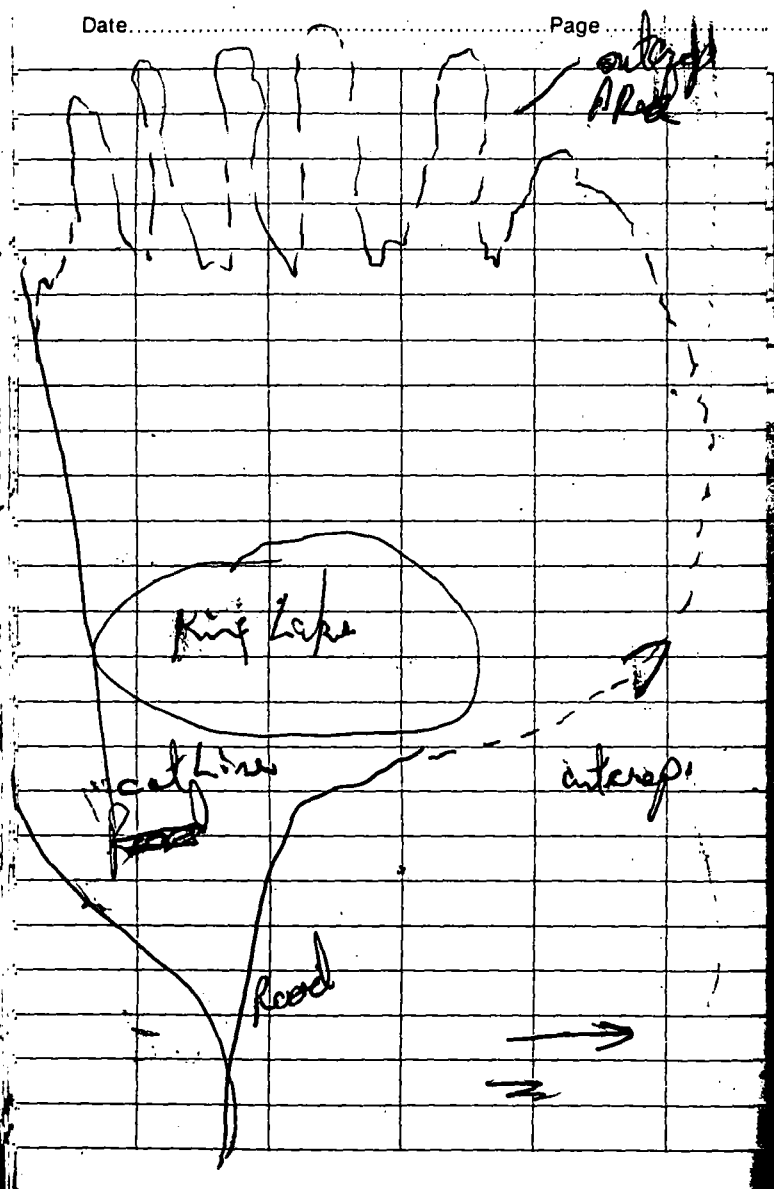
- looked through the samples and selected 10 samples to send out for gold 1 3 4 element assay.

- Further discussion with the Bono Hill geologists they had not mentioned that they never tested back then for gold as they were not looking for it.

- sample core from each drill site and starting to write a description of each.

No.

Date. Page.



No. King Lake.

Date. May 9 1998 Page.

Prospected to the north to west of King Lake.

- this area north of the transmission line all appears to be limestone, andesite lots of fractures. no vegetation was found.

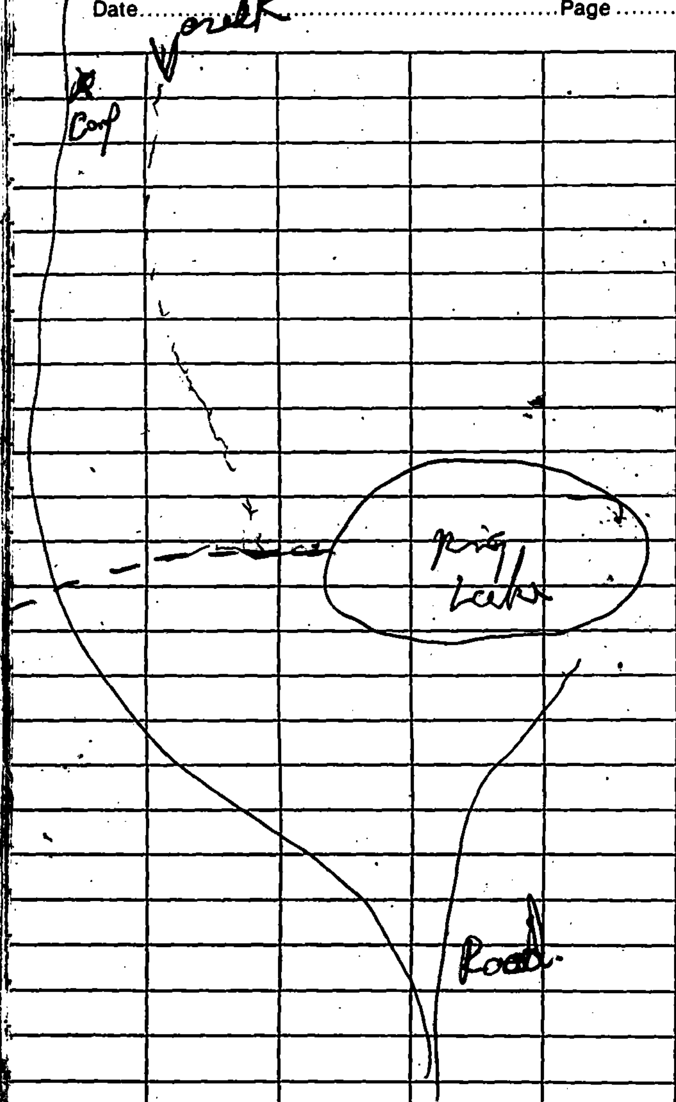
this area is roughly mapped as per the regional geology map.

- no samples were taken

- several of the drill sites were located.

No.

Date. Page

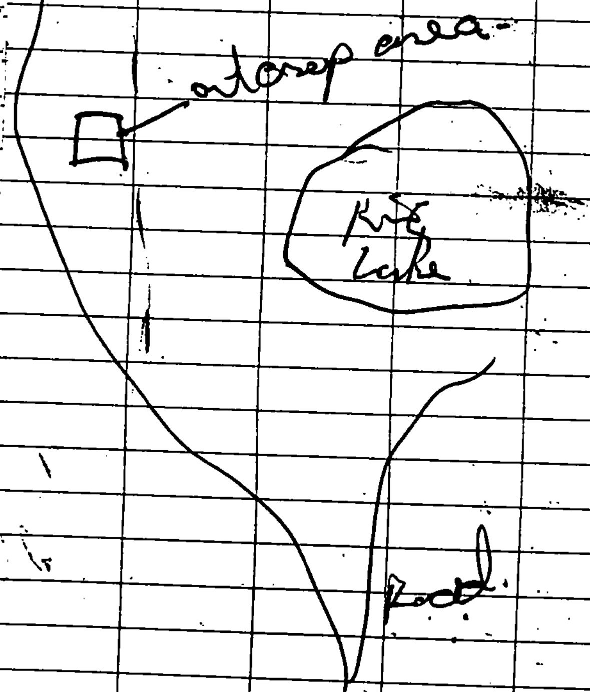


No. King Lake EZE

Date. May 16 Page

Set up camp at King Lake.
Took gold pan and pan
sampled the creek feeding
into King Lake from the
west. This area was
covered by two placer claims
(lapsed). I was hoping
to get some colors
to help prove that
the area carries gold.
The area was still
partially ice covered
and was difficult to take
samples. None of these
had visible gold nor bed
rock outcrop was found.
Did not find any old
placer workings, but
may be covered. Returned
to camp for supper.

No.
Date Base Line
Page



No. Ring Lake 625
Date 7/12 17
Page

went to the blast trench area that was hand found the week before to take more samples and look for more outcrop in the general area.

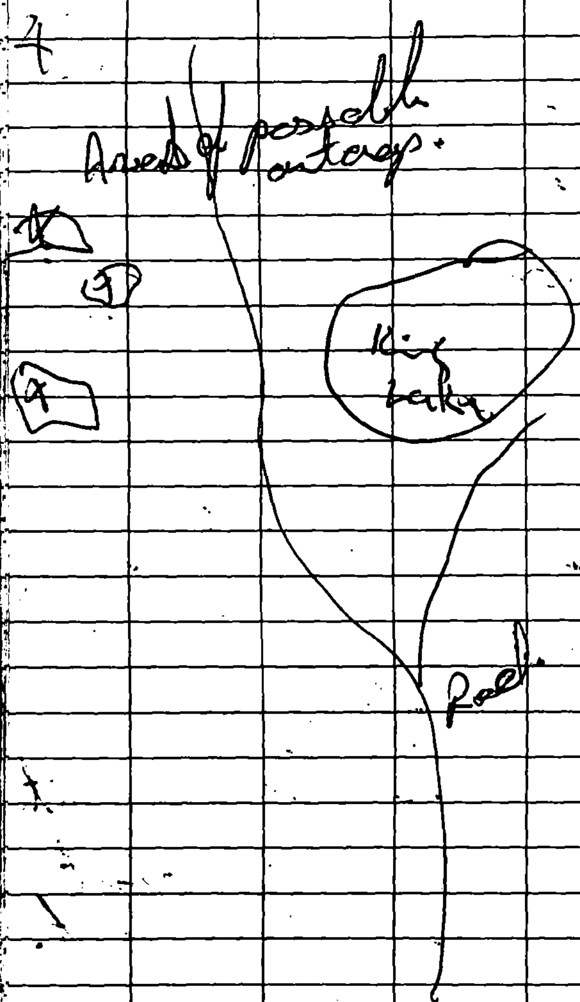
two samples taken from the blast trench area.

98R 200 this sample is a granodiorite with chalcopyrite in the fracture filling. Three spots of moly were also found along the fracture filling

98R 201 this sample contains a good deal more moly and less chalco and the same granodiorite parent rock.

The main fractures are 1' apart and cross fractures are 1' apart.

No. ....
Date .... Page ....



No. King Lake
Date May 19 1998 Page ....

Flew and aerial recon over the King lake area to see if we could find any more outcrop in the south and east of King lake.
A couple of potential areas were located.

- hiked into these areas and the coal outcrop ended up being granodiorite boulders that appeared to be broken on the fracture planes (course not rounded float) no other large float boulders were found in the area. This area is well covered with glacial till so soil sampling probably won't work.

No.

Date claims staked Page

as per maps.

~~[illegible]~~

~~[illegible]~~

No.

Date May 22 Page

set up camp

spent some time at old blast trench about 20 meters from first to blast trench this area should be blasted open for further sampling.

May 23

decided to stake claims 9 + 16 to cover the regional mag high as the granodiorite carries magnetics

May 24

prospected outcrop (sub) that was found during the course of staking yesterday this was all granodiorite slightly magnetic no mineralization found.

No. king lake
Date June 18 1998 Page

- rented an electric jack hammer and generator to try and break into the blast trenches deeper

the jack hammer was ~~not~~ partially sucessfull but was not doing the job we were hoping the only alternative is to blast. will try this another day.

Sunny warm.

No. teslin lake recon.
Date June 19 1998 Page

purchased supplys for 4-5 days picked up a boat + motor.

arrived at dawson peaks resort just south of teslin but the wind lake is to ruff for boat safety overnite at the campground

Sunny windy warm.

Teslin lake recon.
Date June 20 1998 Page

left nealy bay at approx 7:00 a.m the lake is calm.

- traversed a greenstone along the eastern side of the lake south of nealy bay. there is good exposure all along the lakeshore. no samples were taken as no mineralization was found.

Sonny [illegible]

No. Teslin lake Recon.
Date June 21 Page

traversed area near the B.C. Yukon border

- this area contains greenstone, schist quartz in the area is blood red and may be the reason for the mag signature.

no mineralization of [illegible] was found. Malachite was found in float along shore line.

Rain Coat.

No. Teslin lake
Date June 22 Page

Traversed contact area about half way between mile ley + B-C, Y border. This area is of the limestone greenstone contact.

- no mineralization was found in this area. traversed up and down through the contact area

soil in the area below the contact is red, orange.

Quartz veining in the area is red to brown.

rain cool.

No. Teslin lake region
Date June 23 Page

cleaned up camp area packed up the gear, returned to whitehorse.

Sunny warm.

APPENDIX B

ROCK SAMPLE REPORT

ROCK SAMPLE REPORT – KING LAKE

SAMPLE NUMBER	SAMPLE PARTICULARS	SAMPLE DESCRIPTION	ANALYTICAL HIGHLIGHTS
98-001	DDH75-1, 60.0'	Fine to medium grained porphyritic andesite.	Anomalous Au, Cu and Zn, elevated Mn
98-002	DDH75-3, 50.0'	Similar to 98-001, except altered or sheared.	High Ni, Co and Cr, anomalous Zn
98-003	DDH75-3, 93.0'	Highly altered granodiorite (?) with abundant chlorite and pyrite. Sample is strongly magnetic.	
98-004	DDH75-4, 58.5'	Moderately fractured fine to medium grained diorite with epidote and pyrite filling fractures.	High Cu
98-005	DDH75-4, 366.0'	Fine grained, brecciated diorite showing chloritic alteration and abundant fine grained pyrite to 3%.	High Au (134 ppb) and Cu (1562 ppm)
98-006	DDH75-5, 339.0'	Highly altered diorite (?) showing remenant porphyritic textures and replacement by pyrite, biotite and magnetite.	Elevated Cu and Mn.
98-007	DDH75-11, 351.0'	Altered, breccia zone in chloritically altered diorite.	
98-008	DDH75-12, 120.0'	Highly fractured granodiorite with abundant K-feldspar and biotite characteristic of potassic alteration. Well fractured.	Elevated Cu
98-009	DDH75-12, 266.0'	Strongly brecciated diorite showing biotite alteration with later (?) epidote filled fractures.	Anomalous Au and elevated Cu
98-010	DDH75-11, 331.0'	Diorite showing weak to moderate potassic alteration with minor epidote filled fracturing.	
98R011	Upper pit	Granodiorite showing minor sulfides and abundant malachite stain	Very high Cu (3423 ppm) and anomalous Au and Ag
98S012	500m below camp	Stream sediment sample.	
98R060	Lower pit	Granodiorite with disseminated pyrite and chalcopyrite on fractures, panel sample over 1m.	High Cu
98R100	Upper pit	Granodiorite with fracture fillings conatining epidote and chalcopyrite.	High Cu
98R200	Lower pit	Granodiorite with abundant chalcopyrite on fractures.	High Cu and Mo
98R201	Lower pit	Granodiorite with abundant molybedum and minor chalcopyrite on fractures.	Very high Mo (414ppm) and high Cu
98R411	DDH75-7, 299.0'	Moderately to strongly fractured diorite showing moderate propylitic alteration. Finely disseminated pyrite and chalcopyrite noted throughout.	Elevated Cu and anomalous Au
98R412	DDH75-7, 311.0'	Weakly to moderately fractured greenish diorite showing propylitic and potassic alteration. Minor sulfides.	High Cu and anomalous Au
98R413	DDH75-9, 62.5'	Weakly fractured diorite showing some propylitic alteration. No visible sulfides noted.	
98R414	DDH75-9, 75.0'	Fine grained diorite showing a mottled texture indicative of weak propylitic alteration. Abundant fine grained sulfides in sheared matrix.	
98R415	DDH75-10, 125.0'	Altered diorite showing porphyritic textures. Apparently potassically altered with later propylitic or metamorphic (retrograde chlorite) alteration.	Elevated Cu and Ni
98R416	DDH75-10, 141.0'	Altered and sheared (?) diorite that is moderately to strongly fractured with abundant propylitic alteration.	

ROCK SAMPLE REPORT – KING LAKE, continued

SAMPLE NUMBER	SAMPLE PARTICULARS	SAMPLE DESCRIPTION	ANALYTICAL HIGHLIGHTS
98R417	DDH75-10, 238.5'	Fine grained, dark green diorite showing strong propylitic alteration with abundant epidote. Contains chalcopyrite and molybedum as fracture fill.	High Cu and very high Mo (1001 ppm)
98R418	DDH75-11, 156.0'	Highly altered diorite that is moderately to strongly fractured and sheared. Strong propylitic development of abundant quartz.	
98R419	DDH75-12, 50.0'	Weakly fractured medium grained diorite. Showing strong potassic alteration and chloritic replacement of biotite.	Elevated Cu
98R420	DDH75-12, 102.0'	Dark green altered diorite showing strong fracturing with associated propylitic alteration evidences by epidote filling of fractures.	
98R421	DDH75-12, 215.0'	Fine grained dark green altered diorite. Stong potassic alteration with development of biotite and magnetite.	Elevated Cu
98R422	DDH75-12, 311.0'	Altered diorite showing moderate propylitic alteration with development of chlorite and epidote. Weakly magnetic.	Elevated Cu and anomalous Au
98R423	DDH75-12, 431.0'	Dark green altered diorite that is strongly magnetic. Shows development of abundant biotite.	Elevated Cu

ROCK SAMPLE REPORT – MOUNT GRANT

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION	ANALYTICAL HIGHLIGHTS
98R145	Ridge above camp	Quartz>sericite-biotite schist with 2%disseminated sulfides. Weathers to form a bright orange gossan.	Slightly to moderately elevated base and precious metal values. Strong depletion of Ca and Na.
98R146	Ridge above camp	Quartz-biotite schist with 3% disseminated sulfides.	
98R390	Cone Mtn.	Terrigineous (?) quartz>>biotite schist showing abundant Mn staining throughout. Area of abundant float.	Strong depletion of Na and Ca and highly elevated Mn values and minor As and Sb.
98R391	Cone Mtn.	Quartz-mica>chlorite schist showing moderate iron staining	
98R392	Cone Mtn.	Greyish, thinly laminated quarzite with minor disseminated sulfides. Prominent orange gossanous stain.	
98R393	Upper Murphy Ck.	Quartz-sericite>chlorite schist with 1% disseminated sulfides-pyrite and minor chalcopyrite.	Strongly depletion of Na and Ca.
98R394	Upper Murphy Ck.	Quartz-sericite schist, moderately gossaned with a yellow-orange color. Minor disseminated pyrite with molybedum.	Strongly depletion of Na and Ca.
98R395	Upper Murphy Ck.	Biotite-quartz schist with 3% sulfides-pyrite and chalcopyrite.	Strongly depletion of Na and Ca.
98R396	Mount Grant	Quartz>biotite schist with abundant malachite stain.	High copper values, 3978 ppm.
98R397	Mount Grant	Biotite>quartz schist with fine grained disseminated sulfides-pyrite, galena (?). Chlorite replacing biotite.	
98S409	East of Camp	Stream sediment sample from branch of upper Evelyn Creek.	Slightly elevated Au and base metal values.
98S410	West of Camp	Stream sediment sample from branch of upper Evelyn Creek.	

APPENDIX C

CERTIFICATES
OF
ANALYSIS

ITS Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

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+

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TANANA EXPLORATION
MR. STEVE TRAYNOR
214 ALSEK RD
WHITEHORSE YT Y1A 3T5

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

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-00658.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION

SUBMITTED BY: S. TRAYNOR

PROJECT: KING LAKE

DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
980513 1	Au30	Gold	10	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
980513 2	Ag	Silver	10	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 3	Cu	Copper	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 4	Pb	Lead	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 5	Zn	Zinc	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 6	Mo	Molybdenum	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 7	Ni	Nickel	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 8	Co	Cobalt	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 9	Cd	Cadmium	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 10	Bi	Bismuth	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 11	As	Arsenic	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 12	Sb	Antimony	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 13	Fe Tot	Total Iron	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 14	Fe	Iron (Total)	2	0.01 PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
980513 15	Mn	Manganese	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 16	Te	Tellurium	10	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 17	Ba	Barium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 18	Cr	Chrome	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 19	V	Vanadium	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 20	Sn	Tin	10	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 21	W	Tungsten	10	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 22	Li	Lithium	10	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 23	Ga	Gallium	10	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 24	La	Lanthanum	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 25	Sc	Scandium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 26	Ta	Tantalum	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 27	Ti	Titanium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 28	Al	Aluminum	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 29	Mg	Magnesium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 30	Mg	Magnesium	2	0.01 PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
980513 31	Ca	Calcium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 32	Ca	Calcium	1	0.01 PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
980513 33	Na	Sodium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 34	K	Potassium	10	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 35	Nb	Niobium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980513 36	Sr	Strontium	10	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
980513 37	Y	Yttrium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLA
980513 38	Zr	Zirconium	10	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBE
D DRILL CORE	10	2 -150	10	TOTAL SAMPLE PREP	10

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION PROJECT: KING LAKE

REPORT: V98-00658.0 (COMPLETE) DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 1A(1/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM
98-001		31	<.5	276	8	105	3	29	33	<1	<5	8	<5	6.95		1550	<25	373	94	238	<20	<20	9	10	5	20	7	0.56	8.93	2.57		4.00		3.59	0.88	<5	408
98-002		19	<.5	19	12	156	3	810	121	<1	<5	6	5	>10.00	14.26	2661	<25	18	3193	234	<20	<20	6	<10	<5	17	<5	0.26	0.94	>10.00	18.36	1.38		0.10	0.03	7	25
98-003		<5	0.8	62	23	100	4	318	59	<1	<5	<5	<5	8.16		1792	<25	23	930	164	<20	<20	4	<10	<5	62	<5	0.25	2.14	>10.00	12.46	9.77		0.18	0.11	<5	84
98-004		7	<.5	606	17	58	3	59	17	<1	<5	23	<5	4.12		869	<25	1217	222	112	<20	<20	10	<10	10	15	8	0.28	7.97	2.71		3.30		2.83	2.48	7	711
98-005		134	1.1	1562	13	70	5	10	18	<1	<5	5	<5	5.17		927	<25	601	42	141	<20	<20	17	<10	6	15	11	0.40	8.85	2.49		3.25		3.08	1.37	<5	805
98-006		9	1.0	211	19	85	4	309	64	<1	<5	14	<5	>10.00	10.24	1732	<25	17	813	296	<20	<20	7	<10	<5	59	<5	0.45	2.24	9.21		>10.00	11.68	0.24	0.08	8	96
98-007		<5	<.5	13	7	29	4	16	6	<1	<5	<5	<5	1.97		334	<25	1273	131	45	<20	<20	5	<10	8	6	5	0.16	8.55	0.78		1.32		3.79	2.96	<5	208
98-008		10	<.5	321	12	20	5	21	6	<1	<5	7	<5	1.84		350	<25	1198	98	71	<20	<20	3	<10	9	6	9	0.21	7.38	0.81		3.02		1.67	3.86	11	233
98-009		33	0.5	461	7	39	3	56	16	<1	<5	10	<5	4.30		793	<25	1022	121	159	<20	<20	8	10	<5	18	5	0.32	9.13	2.49		5.94		2.99	1.80	8	569
98-010		<5	<.5	22	9	21	3	17	7	<1	<5	6	<5	2.11		446	<25	1581	143	54	<20	<20	6	10	7	<5	10	0.17	9.01	0.85		1.98		3.79	2.73	5	600

CLIENT: TANANA EXPLORATION PROJECT: KING LAKE

REPORT: V98-00658.0 (COMPLETE) DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 1B(2/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Y PPM	Zr PPM
98-001		20	14
98-002		<5	<5
98-003		11	10
98-004		11	6
98-005		16	5
98-006		11	13
98-007		6	9
98-008		10	11
98-009		11	10
98-010		6	8

CLIENT: TANANA EXPLORATION PROJECT: KING LAKE

REPORT: V98-00658.0 (COMPLETE) DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 2A(3/ 6)

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM
ANALYTICAL BLANK		<5	<.5	<1	3	<2	<1	<1	<1	<1	<5	<5	<5	<0.01	-	<5	<25	<5	<2	<2	<20	<20	<2	<10	<5	<5	<5	<.01	<.01	<0.01	-	<0.01	-	0.02	<.01	<5	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1
Mean Value		3	0.3	0.5	3	1	0.5	0.5	0.5	0.5	3	3	3	0.005	-	3	13	3	1	1	10	10	1	5	3	3	3	.005	.005	0.005	-	0.005	-	0.02	.005	3	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	<.001	1	.01	.005	1	1	.01	.01	.01	.01	.01	.01	.01	<.01	-	<.0001	<.001	<.0001	<.001	-	<.01	.01	.01
Gannet Standard		1520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		1520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1585	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	0.7	93	10	80	2	42	19	<1	<5	13	<5	5.16	-	890	<25	678	80	178	<20	<20	28	<10	10	20	8	0.48	7.41	2.08	-	2.27	-	1.72	1.15	11	275
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1
Mean Value		-	0.7	93	10	80	2	42	19	0.5	3	13	3	5.16	-	890	13	678	80	178	10	10	28	5	10	20	8	0.48	7.41	2.08	-	2.27	-	1.72	1.15	11	275
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	102	11	80	2	40	18	0.1	1	8	1	4.95	-	850	-	800	100	175	4	2	32	4	10	18	1	0.51	8.30	1.90	-	1.85	-	1.82	1.00	17	265
CANMET MRG-1 REF STD		-	-	-	-	-	-	-	-	-	-	-	-	-	12.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.24	-	10.83	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	12.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.24	-	10.83	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	134	10	191	-	-	-	-	-	-	0.9	-	12.59	-	-	-	-	-	-	-	-	-	-	-	-	-	4.48	8.17	8.17	-	-	-	-	-	-

CLIENT: TANANA EXPLORATION PROJECT: KING LAKE
REPORT: V98-00658.0 (COMPLETE) DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 2B(4/ 6)

STANDARD NAME	ELEMENT UNITS	Y PPM	Zr PPM
ANALYTICAL BLANK		<5	<5
Number of Analyses		1	1
Mean Value		3	3
Standard Deviation		-	-
Accepted Value		.01	.01
Gannet Standard		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-
BCC GEOCHEM STD 5		14	50
Number of Analyses		1	1
Mean Value		14	50
Standard Deviation		-	-
Accepted Value		13	45
CANMET MRG-1 REF STD		-	-
Number of Analyses		-	-
Mean Value		-	-
Standard Deviation		-	-
Accepted Value		-	-

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: KING LAKE

REPORT: V98-00658.0 (COMPLETE)

DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 3A(5/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM
98-002		19	<.5	19	12	156	3	810	121	<1	<5	6	5	>10.00	14.26	2661	<25	18	3193	234	<20	<20	6	<10	<5	17	<5	0.26	0.94	>10.00	18.36	1.38		0.10	0.03	7	25
Duplicate															14.51																18.24						
98-009		33	0.5	461	7	39	3	56	16	<1	<5	10	<5	4.30		793	<25	1022	121	159	<20	<20	8	10	<5	18	5	0.32	9.13	2.49		5.94		2.99	1.80	8	569
Duplicate		24	<.5	440	13	40	2	56	17	<1	<5	9	<5	4.22		779	<25	999	110	156	<20	<20	8	<10	<5	18	9	0.32	8.91	2.45		5.78		2.85	1.73	<5	557

CLIENT: TANANA EXPLORATION PROJECT: KING LAKE

REPORT: V98-00658.0 (COMPLETE) DATE RECEIVED: 06-MAY-98 DATE PRINTED: 14-MAY-98 PAGE 3B(6/ 6)

SAMPLE NUMBER	ELEMENT UNITS	Y PPM	Zr PPM
98-002		<5	<5
Duplicate			
98-009		11	10
Duplicate		11	7

ITS Intertek Testing Services

Bondar Clegg

Geochemical
Lab
Report

MR. STEVE TRAYNOR
BOX 4375
WHITEHORSE, YUKON
Y1A 3T5

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-00958.0 (COMPLETE)

REFERENCE:

CLIENT: MR. STEVE TRAYNOR

SUBMITTED BY: S. TRAYNOR

PROJECT: KING LAKE

DATE RECEIVED: 22-JUN-98 DATE PRINTED: 7-JUL-98

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
980630 1	Au30	Gold	6	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
980630 2	Ag	Silver	5	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 3	Cu	Copper	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 4	Pb	Lead	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 5	Zn	Zinc	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 6	Mo	Molybdenum	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 7	Ni	Nickel	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 8	Co	Cobalt	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 9	Cd	Cadmium	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 10	Bi	Bismuth	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 11	As	Arsenic	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 12	Sb	Antimony	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 13	Fe Tot	Total Iron	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 14	Mn	Manganese	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 15	Te	Tellurium	5	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 16	Ba	Barium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 17	Cr	Chrome	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 18	V	Vanadium	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 19	Sn	Tin	5	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 20	W	Tungsten	5	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 21	Li	Lithium	5	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 22	Ga	Gallium	5	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 23	La	Lanthanum	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 24	Sc	Scandium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 25	Ta	Tantalum	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 26	Ti	Titanium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 27	Al	Aluminum	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 28	Mg	Magnesium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 29	Ca	Calcium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 30	Na	Sodium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 31	K	Potassium	5	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 32	Nb	Niobium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 33	Sr	Strontium	5	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 34	Y	Yttrium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 35	Zr	Zirconium	5	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
980630 36	Ag	Silver	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 37	Cu	Copper	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 38	Pb	Lead	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 39	Zn	Zinc	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 40	Mo	Molybdenum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 41	Ni	Nickel	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 42	Co	Cobalt	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 43	Cd	Cadmium	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 44	Bi	Bismuth	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 45	As	Arsenic	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 46	Sb	Antimony	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 47	Fe	Iron	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 48	Mn	Manganese	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 49	Te	Tellurium	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 50	Ba	Barium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 51	Cr	Chromium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 52	V	Vanadium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 53	Sn	Tin	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 54	W	Tungsten	1	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 55	La	Lanthanum	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 56	Al	Aluminum	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 57	Mg	Magnesium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 58	Ca	Calcium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 59	Na	Sodium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 60	K	Potassium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 61	Sr	Strontium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 62	Y	Yttrium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 63	Ga	Gallium	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 64	Li	Lithium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 65	Nb	Niobium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 66	Sc	Scandium	1	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 67	Ta	Tantalum	1	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 68	Ti	Titanium	1	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980630 69	Zr	Zirconium	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-00958.0 (COMPLETE)

REFERENCE:

CLIENT: MR. STEVE TRAYNOR

SUBMITTED BY: S. TRAYNOR

PROJECT: KING LAKE

DATE RECEIVED: 22-JUN-98 DATE PRINTED: 7-JUL-98

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
T STREAM SED, SILT	1	1 -80	1	CRUSH ONLY	5
R ROCK	5	2 -150	5	PULVERIZE 500 G	5
				DRY, SIEVE -80	1

REPORT COPIES TO: BOX 4375

INVOICE TO: BOX 4375

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. STEVE TRAYNOR

PROJECT: KING LAKE

REPORT: V98-00958.0 (COMPLETE)

DATE RECEIVED: 22-JUN-98 DATE PRINTED: 7-JUL-98 PAGE 1A(1/ 4)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM
98S012		12																																		<.2	18	<2	33
98R011		31	1.3	3423	14	50	8	28	16	<1	<5	6	<5	3.73	685	<25	1325	144	114	<20	<20	5	12	11	10	<5	0.26	7.75	1.70	2.38	2.72	2.25	12	452	9	10				
98R060		15	0.6	1872	3	43	19	26	15	<1	<5	5	<5	3.50	659	<25	1314	106	117	<20	27	7	13	8	10	<5	0.27	8.03	1.70	2.73	2.52	2.18	12	543	9	8				
98R100		13	0.6	1335	7	41	2	27	15	<1	<5	<5	<5	3.57	728	<25	1065	144	117	<20	<20	7	13	11	11	<5	0.26	7.66	1.67	3.45	2.54	1.84	12	549	10	8				
98R200		13	0.6	1457	5	43	214	26	15	<1	<5	<5	<5	3.69	747	<25	1425	131	114	<20	<20	6	12	13	11	<5	0.27	7.50	1.83	2.58	2.61	2.19	11	547	9	10				
98R201		13	<.5	1016	2	37	414	27	14	<1	<5	<5	<5	3.66	770	<25	1269	128	118	<20	103	6	<10	8	11	<5	0.28	7.64	1.88	2.95	2.73	2.21	12	605	9	10				

CLIENT: MR. STEVE TRAYNOR
PROJECT: KING LAKE
REPORT: V98-00958.0 (COMPLETE)
DATE RECEIVED: 22-JUN-98 DATE PRINTED: 7-JUL-98 PAGE 1B(2/ 4)

SAMPLE NUMBER	ELEMENT	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr
	UNITS	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM
98S012		<1	9	5	<.2	<5	<5	<5	1.86	236	<10	42	20	45	<20	<20	11	0.79	0.41	0.57	0.03	0.05	29	5	<2	5	<1	<5	<10	0.08	<1
98R011																															
98R060																															
98R100																															
98R200																															
98R201																															

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. STEVE TRAYNOR — PROJECT: KING LAKE

REPORT: V98-00958.0 (COMPLETE) — DATE RECEIVED: 22-JUN-98 — DATE PRINTED: 7-JUL-98 — PAGE 2A(3/ 4)

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM
CANMET STREAM-SED	-	0.7	35	41	187	7	28	17	<1	<5	23	<5	4.15	2464	<25	1275	55	121	<20	<20	27	11	28	10	<5	0.29	5.39	1.21	2.25	1.05	1.33	16	226	26	73	0.2	36	38	187
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.7	35	41	187	7	28	17	0.5	3	23	3	4.15	2464	13	1275	55	121	10	10	27	11	28	10	3	0.29	5.39	1.21	2.25	1.05	1.33	16	226	26	73	0.2	36	38	187
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	0.4	39	40	204	7	30	16	1	-	28	4	4.40	2730	-	-	80	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	38	39	192
ANALYTICAL BLANK	<5	<.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	<5	<0.01	<5	<25	<5	<2	<2	<20	<20	<2	<10	<5	<5	<5	<.01	<.01	<.01	<.01	0.03	<.01	<5	3	<5	<5	<.2	<1	<2	<1
Number of Analyses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	3	0.3	0.5	1	1	0.5	0.5	0.5	0.5	3	3	3	0.005	3	13	3	1	1	10	10	1	5	3	3	3	.005	.005	.005	.005	0.03	.005	3	3	3	3	0.1	0.5	1	0.5
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	5	0.2	1	2	1	1	1	1	0.5	2	5	5	0.05	1	.01	.005	1	1	.01	.01	.01	.01	.01	.01	.01	<.01	-	<.01	<.01	-	<.01	.01	.01	.01	.01	0.2	1	2	1
Gannet Ref.Material	1451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value	1451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	1490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: MR. STEVE TRAYNOR — PROJECT: KING LAKE

REPORT: V98-00958.0 (COMPLETE) — DATE RECEIVED: 22-JUN-98 — DATE PRINTED: 7-JUL-98 — PAGE 2B(4/ 4)

STANDARD NAME	ELEMENT UNITS	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
CANMET STREAM-SED		7	27	13	1.1	<5	24	<5	3.64	2536	<10	627	30	58	<20	<20	23	1.86	0.86	1.39	0.04	0.16	70	20	3	20	1	<5	<10	0.04	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		7	27	13	1.1	3	24	3	3.64	2536	5	627	30	58	10	10	23	1.86	0.86	1.39	0.04	0.16	70	20	3	20	1	3	5	0.04	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		7	25	14	1.0	-	22	2	3.40	2630	-	-	34	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.5	0.5	0.5	0.1	3	3	3	.005	0.5	5	0.5	0.5	0.5	10	10	0.5	.005	.005	.005	.005	.005	0.5	0.5	1	0.5	0.5	3	5	.005	0.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1	1	1	0.1	2	5	5	0.05	1	.01	.01	1	1	.01	.01	.01	<.01	<.01	<.01	<.01	<.01	.01	.01	.01	.01	.01	.01	.01	<.01	.01
Gannet Ref.Material		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ITS Intertek Testing Services

Bondar Clegg

Geochemical
Lab
Report

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-01937.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION

SUBMITTED BY: S. TRAYNOR

PROJECT: KING LAKE

DATE RECEIVED: 29-OCT-98 DATE PRINTED: 13-NOV-98

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
981102	1 Au30	Gold	13	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
981102	2 Ag	Silver	13	0.5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	3 Cu	Copper	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	4 Pb	Lead	13	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	5 Zn	Zinc	13	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	6 Mo	Molybdenum	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	7 Ni	Nickel	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	8 Co	Cobalt	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	9 Cd	Cadmium	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	10 Bi	Bismuth	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	11 As	Arsenic	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	12 Sb	Antimony	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	13 Fe Tot	Total Iron	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	14 Mn	Manganese	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	15 Te	Tellurium	13	25 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	16 Ba	Barium	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	17 Cr	Chrome	13	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	18 V	Vanadium	13	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	19 Sn	Tin	13	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	20 W	Tungsten	13	20 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	21 Li	Lithium	13	2 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	22 Ga	Gallium	13	10 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	23 La	Lanthanum	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	24 Sc	Scandium	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	25 Ta	Tantalum	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	26 Ti	Titanium	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	27 Al	Aluminum	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	28 Mg	Magnesium	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	29 Ca	Calcium	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	30 Ca	Calcium	1	0.01 PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
981102	31 Na	Sodium	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	32 K	Potassium	13	0.01 PCT	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	33 Nb	Niobium	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	34 Sr	Strontium	13	1 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	35 Y	Yttrium	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA
981102	36 Zr	Zirconium	13	5 PPM	HF-HNO3-HCLO4-HCL	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	13	2 -150	13	CRUSH ONLY	13
				PULVERIZATION	13

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION — PROJECT: KING LAKE

REPORT: V98-01937.0 (COMPLETE) — DATE RECEIVED: 29-OCT-98 — DATE PRINTED: 13-NOV-98 — PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
98R411		27	<.5	432	6	97	2	94	34	<1	<5	19	<5	8.37	1372	<25	411	137	276	<20	<20	17	<10	7	26	<5	0.52	8.08	5.31	7.44		0.77	1.67	19	600	14	13
98R412		26	<.5	777	11	81	3	98	26	<1	<5	22	<5	7.37	1377	<25	345	134	233	<20	<20	15	<10	8	24	<5	0.49	7.84	5.65	6.90		1.71	0.96	15	627	14	11
98R413		10	<.5	88	7	59	3	68	19	<1	<5	39	<5	6.33	1131	<25	1278	123	231	<20	<20	15	<10	7	24	6	0.48	8.46	3.96	6.10		2.15	1.97	19	729	13	29
98R414		7	<.5	46	3	71	3	61	18	<1	<5	17	<5	6.47	1333	<25	1580	107	236	<20	<20	23	<10	9	25	8	0.53	8.52	4.41	4.92		1.89	2.56	19	767	14	31
98R415		9	<.5	315	3	64	<1	222	66	<1	<5	<5	<5	8.23	1576	<25	14	510	257	<20	<20	8	<10	<5	50	6	0.34	3.97	8.38	>10.00	11.29	0.28	0.07	21	275	9	14
98R416		8	<.5	6	<2	64	4	182	43	<1	<5	<5	<5	7.44	1319	<25	79	338	198	<20	<20	10	<10	<5	45	<5	0.26	6.94	7.34	9.62		0.36	0.25	10	675	6	<5
98R417		20	1.0	1955	2	74	1001	67	33	<1	<5	5	<5	8.53	1471	<25	107	200	333	<20	26	10	<10	<5	42	6	0.55	7.68	5.74	7.97		0.83	0.52	20	648	11	<5
98R418		8	<.5	19	8	41	4	11	4	<1	<5	<5	<5	2.64	510	<25	1754	59	66	<20	<20	6	13	7	5	10	0.20	9.39	0.88	1.92		3.62	2.70	6	752	7	<5
98R419		12	<.5	107	3	53	7	98	18	<1	<5	5	<5	4.67	926	<25	1803	162	176	<20	<20	10	<10	12	19	<5	0.47	8.67	3.59	3.69		2.47	3.35	16	482	15	<5
98R420		8	<.5	78	6	66	3	133	25	<1	<5	8	<5	5.94	1279	<25	756	184	164	<20	<20	8	<10	11	22	<5	0.41	8.10	4.11	5.03		2.69	1.35	13	401	14	<5
98R421		10	<.5	154	3	59	3	84	17	<1	<5	7	<5	5.19	879	<25	1104	111	172	<20	<20	17	<10	8	19	6	0.38	8.63	3.14	3.50		2.87	2.23	13	444	13	10
98R422		25	<.5	127	6	63	16	139	17	<1	<5	7	<5	5.50	1011	<25	664	175	152	<20	<20	17	<10	12	16	<5	0.38	8.31	3.67	4.76		2.66	1.47	15	363	14	<5
98R423		8	<.5	167	10	74	4	125	19	<1	<5	7	<5	6.09	1117	<25	1236	172	184	<20	<20	18	<10	10	20	7	0.46	9.04	4.03	3.94		2.17	3.02	14	652	14	8

ITS Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION — PROJECT: KING LAKE

REPORT: V98-01937.0 (COMPLETE) — DATE RECEIVED: 29-OCT-98 — DATE PRINTED: 13-NOV-98 —

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
ANALYTICAL BLANK		<5	<.5	<1	<2	<2	<1	<1	<1	<1	<5	<5	9	<0.01	<5	<25	<5	<2	<2	<20	<20	<2	<10	<5	<5	<5	<.01	<.01	<.01	<0.01	-	0.01	<.01	<5	<1	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1
Mean Value		3	0.3	<1	1	1	<1	<1	<1	<1	3	3	9	<0.01	3	13	3	1	1	10	10	1	5	3	3	3	<.01	<.01	<.01	<0.01	-	0.01	<.01	3	<1	3	3
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	<1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<.01	-	<.01	<0.01	<0.01	-	<.01	<1	<1	<1	<1
BCC Au Std.9		189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	<.5	87	5	77	2	41	14	<1	<5	13	<5	4.88	828	<25	699	75	166	<20	<20	27	<10	7	19	<5	0.46	7.16	1.90	1.93	-	1.61	1.08	17	257	12	45
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1
Mean Value		-	0.3	87	5	77	2	41	14	<1	3	13	3	4.88	828	13	699	75	166	10	10	27	5	7	19	3	0.46	7.16	1.90	1.93	-	1.61	1.08	17	257	12	45
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	99	11	80	2	40	18	<1	1	8	1	4.95	850	-	800	108	175	4	2	32	4	10	18	1	0.51	8.30	1.90	1.85	-	1.82	1.00	17	265	13	45

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION
PROJECT: KING LAKE
REPORT: V98-01937.0 (COMPLETE)
DATE RECEIVED: 29-OCT-98 DATE PRINTED: 13-NOV-98 PAGE 3 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe Tot PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM	Sc PPM	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
98R415		9	<.5	315	3	64	<1	222	66	<1	<5	<5	<5	8.23	1576	<25	14	510	257	<20	<20	8	<10	<5	50	6	0.34	3.97	8.38	>10.00	11.29	0.28	0.07	21	275	9	14
Duplicate																														11.67							
98R418		8	<.5	19	8	41	4	11	4	<1	<5	<5	<5	2.64	510	<25	1754	59	66	<20	<20	6	13	7	5	10	0.20	9.39	0.88	1.92		3.62	2.70	6	752	7	<5
Duplicate		9	<.5	16	8	41	2	12	2	<1	<5	<5	<5	2.60	508	<25	1762	55	64	<20	<20	6	12	7	5	8	0.20	9.37	0.88	1.86		3.53	2.66	<5	732	7	<5

Intertek Testing Services
Bondar Clegg

Geochemical
Lab
Report

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-01747.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION

SUBMITTED BY: S. TRAYNOR

PROJECT: MT GRANT

DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
981005 1	Au30	Gold	10	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
981005 2	Ag	Silver	10	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 3	Cu	Copper	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 4	Pb	Lead	10	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 5	Zn	Zinc	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 6	Mo	Molybdenum	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 7	Ni	Nickel	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 8	Co	Cobalt	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 9	Cd	Cadmium	10	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 10	Bi	Bismuth	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 11	As	Arsenic	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 12	Sb	Antimony	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 13	Hg	Mercury	10	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
981005 14	Fe	Iron	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 15	Mn	Manganese	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 16	Te	Tellurium	10	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 17	Ba	Barium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 18	Cr	Chromium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 19	V	Vanadium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 20	Sn	Tin	10	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 21	W	Tungsten	10	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 22	La	Lanthanum	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 23	Al	Aluminum	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 24	Mg	Magnesium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 25	Ca	Calcium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 26	Na	Sodium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 27	K	Potassium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 28	Sr	Strontium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 29	Y	Yttrium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 30	Ga	Gallium	10	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 31	Li	Lithium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 32	Nb	Niobium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 33	Sc	Scandium	10	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 34	Ta	Tantalum	10	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 35	Ti	Titanium	10	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
981005 36	Zr	Zirconium	10	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
981005 37	SiO2	Silica (SiO2)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 38	TiO2	Titanium (TiO2)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 39	Al2O3	Alumina (Al2O3)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 40	Fe2O3*	Total Iron (Fe2O3)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 41	MnO	Manganese (MnO)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 42	MgO	Magnesium (MgO)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 43	CaO	Calcium (CaO)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 44	Na2O	Sodium (Na2O)	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 45	K2O	Potassium (K2O)	4	0.05 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 46	P2O5	Phosphorous (P2O5)	4	0.03 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 47	LOI	Loss on Ignition	4	0.05 PCT	Ignition 1000 Deg.	GRAVIMETRIC
981005 48	Total	Whole Rock Total	10	0.01 PCT		
981005 49	Cr2O3	Chromium Oxide	4	0.01 PCT	BORATE FUSION	INDUC. COUP. PLA
981005 50	Ba	Barium	4	10 PPM	Pressed Pellet	XRAY FLUORESCENC
981005 51	Sr	Strontium	4	1 PPM	Pressed Pellet	XRAY FLUORESCENC
981005 52	Y	Yttrium	4	1 PPM	Pressed Pellet	XRAY FLUORESCENC
981005 53	Nb	Niobium	4	2 PPM	Pressed Pellet	XRAY FLUORESCENC
981005 54	Zr	Zirconium	4	1 PPM	Pressed Pellet	XRAY FLUORESCENC
981005 55	Rb	Rubidium	4	2 PPM	Pressed Pellet	XRAY FLUORESCENC

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBE
R ROCK	10	2 -150	10	CRUSH/SPLIT & PULV.	10
				DRY, SIEVE -80	1

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: TANANA EXPLORATION — PROJECT: MT GRANT

REPORT: V98-01747.0 (COMPLETE) — DATE RECEIVED: 24-SEP-98 — DATE PRINTED: 5-OCT-98 — PAGE 1A(1/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	SiO2 PCT	TiO2 PCT
98R145		59	1.8	55	21	19	5	21	20	<.2	<5	<5	<5	0.076	4.41	1975	<10	41	136	18	<20	<20	1	0.55	0.11	0.04	0.07	0.25	19	1	<2	2	<1	<5	<10	<.01	<1		
98R146		9	0.3	7	7	51	3	7	6	<.2	<5	<5	<5	0.014	3.35	416	<10	44	100	17	<20	<20	2	1.25	0.44	0.46	0.09	0.54	15	4	<2	5	2	<5	<10	0.06	<1		
98R390		6	<.2	64	8	44	3	42	17	<.2	<5	23	11	0.027	2.89	12906	<10	141	155	15	<20	<20	11	1.22	1.02	0.07	0.01	0.14	50	2	<2	6	2	<5	<10	<.01	2		
98R391		8	0.2	64	6	59	1	25	24	<.2	<5	<5	<5	0.012	5.67	1100	<10	77	34	44	<20	<20	3	1.73	3.01	5.98	0.02	0.25	190	3	<2	9	5	10	<10	<.01	<1		
98R392		<5	<.2	7	2	41	2	3	3	<.2	<5	<5	<5	0.016	1.45	273	<10	106	53	3	<20	<20	15	0.71	0.19	0.78	0.04	0.61	7	5	<2	2	2	<5	<10	0.03	6	67.13	0.45
98R393		<5	0.2	4	5	31	6	8	4	<.2	<5	<5	<5	0.013	3.68	117	<10	95	118	<1	<20	<20	6	1.00	0.71	<.01	0.02	0.28	8	2	<2	3	2	<5	<10	<.01	10		
98R394		<5	<.2	6	<2	18	14	4	1	<.2	<5	<5	<5	<.010	2.22	181	<10	122	140	7	<20	<20	11	0.95	0.47	0.01	0.09	0.33	17	4	<2	4	1	<5	<10	0.04	<1		
98R395		<5	<.2	6	<2	36	4	40	23	<.2	<5	<5	<5	<.010	4.98	484	<10	60	104	90	<20	<20	8	2.16	1.68	0.09	0.08	1.52	6	4	3	10	5	11	<10	0.17	<1	56.19	0.87
98R396		11	<.2	3978	14	24	2	10	13	<.2	<5	<5	<5	0.132	1.44	393	<10	158	107	20	<20	<20	9	1.03	0.54	0.25	0.07	0.35	18	6	<2	4	2	<5	<10	0.06	2	69.92	0.37
98R397		<5	<.2	31	5	39	2	3	3	<.2	<5	<5	<5	0.014	2.11	689	<10	78	97	5	<20	<20	8	0.66	0.20	0.24	0.07	0.28	7	5	<2	2	1	<5	<10	0.02	2	72.96	0.52

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

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REPORT: V98-01747.0 (COMPLETE) DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98 PAGE 1B(2/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Ba PPM	Sr PPM	Y PPM	Nb PPM	Zr PPM	Rb PPM
98R145																		
98R146																		
98R390																		
98R391																		
98R392		15.17	3.44	0.04	0.76	0.96	2.37	7.78	0.08	1.92	100.11	0.01	1509	30	17	16	223	161
98R393																		
98R394																		
98R395		17.86	7.19	0.09	2.83	2.32	5.99	2.01	0.06	2.51	97.94	0.02	1073	183	24	17	155	66
98R396		14.52	3.01	0.06	1.31	1.01	3.92	3.30	0.07	1.84	99.36	0.03	1699	123	14	9	133	85
98R397		13.39	4.02	0.09	0.59	0.36	5.25	1.97	0.12	1.37	100.65	0.02	494	39	28	4	117	42

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	SiO2 PCT	TiO2 PCT
ANALYTICAL BLANK		5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.010	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1	<0.01	<.01
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		5	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	0.005	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	<.01	<1	<0.01	<.01
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.005	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1	<0.01	<.01
BCC Au Std.9		194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET STD SY-3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.90	0.15
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.90	0.15
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	17	133	244	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	6.22	1.61	-	-	-	-	-	-	-	-	-	-	-	59.68	0.15
Loss on Ignition Std		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loss On Ignition Std		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	0.6	87	8	74	1	36	19	<.2	<5	7	<5	0.044	4.67	697	<10	167	48	109	<20	<20	5	3.04	1.71	0.99	0.04	0.31	33	7	<2	22	5	7	<10	0.17	10	-	-
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-
Mean Value		-	0.6	87	8	74	1	36	19	0.1	3	7	3	0.044	4.67	697	5	167	48	109	10	10	5	3.04	1.71	0.99	0.04	0.31	33	7	1	22	5	7	5	0.17	10	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	18	0.1	1	8	1	0.044	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9	-	-

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REPORT: V98-01747.0 (COMPLETE) DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98 PAGE 2B(4/ 8)

STANDARD NAME	ELEMENT UNITS	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Ba PPM	Sr PPM	Y PPM	Nb PPM	Zr PPM	Rb PPM
ANALYTICAL BLANK		<0.01	<0.01	<.01	<.01	<.01	<.01	<.05	<.03	-	-	<0.01	-	-	-	-	-	-
Number of Analyses		1	1	1	1	1	1	1	1	-	-	1	-	-	-	-	-	-
Mean Value		<0.01	<0.01	<.01	<.01	<.01	<.01	0.03	0.02	-	-	<0.01	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		<0.01	<0.01	<.01	<.01	<.01	<.01	<.01	<.01	<0.01	<0.01	<0.01	<1	<1	<1	<1	<1	<1
BCC Au Std.9		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET STD SY-3		11.77	6.43	0.34	2.66	8.22	4.12	4.19	0.53	-	98.30	<0.01	-	-	-	-	-	-
Number of Analyses		1	1	1	1	1	1	1	1	-	1	1	-	-	-	-	-	-
Mean Value		11.77	6.43	0.34	2.66	8.22	4.12	4.19	0.53	-	98.30	<0.01	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		11.80	6.42	0.32	2.67	8.26	4.15	4.20	0.54	1.20	-	-	-	-	-	-	-	-
Loss on Ignition Std		-	-	-	-	-	-	-	-	4.44	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	4.44	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	4.24	-	-	-	-	-	-	-	-
Loss On Ignition Std		-	-	-	-	-	-	-	-	41.49	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	41.49	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	41.08	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Intertek Testing Services
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Geochemical Lab Report

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PROJECT: MT GRANT

REPORT: V98-01747.0 (COMPLETE)

DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98 PAGE 3A(5/ 8)

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	SiO2 PCT	TiO2 PCT
CANMET SO-2 REF STD		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.46	-
Granite - Cert.Ref.M		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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REPORT: V98-01747.0 (COMPLETE) DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98 PAGE 3B(6/ 8)

STANDARD NAME	ELEMENT UNITS	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Ba PPM	Sr PPM	Y PPM	Nb PPM	Zr PPM	Rb PPM
CANMET SO-2 REF STD		-	-	-	-	-	-	-	-	-	-	-	1025	341	39	19	745	72
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	1025	341	39	19	745	72
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		15.24	-	-	-	-	-	-	-	-	-	-	1000	340	40	22	760	78
Granite - Cert.Ref.M		-	-	-	-	-	-	-	-	-	-	-	1351	558	11	21	227	189
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	1351	558	11	21	227	189
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	1400	570	14	21	235	185

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	SiO2 PCT	TiO2 PCT
98R392		<5	<.2	7	2	41	2	3	3	<.2	<5	<5	<5	0.016	1.45	273	<10	106	53	3	<20	<20	15	0.71	0.19	0.78	0.04	0.61	7	5	<2	2	2	<5	<10	0.03	6	67.13	0.45
Prep Duplicate		<5	<.2	8	<2	45	2	3	3	<.2	<5	<5	<5	0.019	1.55	275	<10	107	56	3	<20	<20	16	0.74	0.21	0.68	0.04	0.63	8	5	<2	3	1	<5	<10	0.03	6		
98R395		<5	<.2	6	<2	36	4	40	23	<.2	<5	<5	<5	<.010	4.98	484	<10	60	104	90	<20	<20	8	2.16	1.68	0.09	0.08	1.52	6	4	3	10	5	11	<10	0.17	<1	56.19	0.87
Duplicate		<5	<.2	7	<2	36	3	40	23	<.2	<5	<5	<5	<.010	4.97	483	<10	62	103	89	<20	<20	8	2.17	1.68	0.09	0.07	1.52	6	4	3	10	4	11	<10	0.17	<1		

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REPORT: V98-01747.0 (COMPLETE) DATE RECEIVED: 24-SEP-98 DATE PRINTED: 5-OCT-98 PAGE 4B(8/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Ba PPM	Sr PPM	Y PPM	Nb PPM	Zr PPM	Rb PPM
98R392		15.17	3.44	0.04	0.76	0.96	2.37	7.78	0.08	1.92	100.11	0.01	1509	30	17	16	223	161
Prep Duplicate										1.96								
98R395		17.86	7.19	0.09	2.83	2.32	5.99	2.01	0.06	2.51	97.94	0.02	1073	183	24	17	155	66
Duplicate																		

TANANA EXPLORATION
MR. STEVE TRAYNOR
P.O. BOX 4375
STN. MAIN
WHITEHORSE, YT Y1A 3T5

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

REPORT: V98-01747.1 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION

SUBMITTED BY: S. TRAYNOR

PROJECT: MT GRANT

DATE RECEIVED: 24-SEP-98 DATE PRINTED: 30-SEP-98

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
980930	1 Au30	Gold	2	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
980930	2 Ag	Silver	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	3 Cu	Copper	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	4 Pb	Lead	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	5 Zn	Zinc	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	6 Mo	Molybdenum	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	7 Ni	Nickel	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	8 Co	Cobalt	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	9 Cd	Cadmium	2	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	10 Bi	Bismuth	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	11 As	Arsenic	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	12 Sb	Antimony	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	13 Fe	Iron	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	14 Mn	Manganese	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	15 Te	Tellurium	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	16 Ba	Barium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	17 Cr	Chromium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	18 V	Vanadium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	19 Sn	Tin	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	20 W	Tungsten	2	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	21 La	Lanthanum	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	22 Al	Aluminum	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	23 Mg	Magnesium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	24 Ca	Calcium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	25 Na	Sodium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	26 K	Potassium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	27 Sr	Strontium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	28 Y	Yttrium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	29 Ga	Gallium	2	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	30 Li	Lithium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	31 Nb	Niobium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	32 Sc	Scandium	2	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	33 Ta	Tantalum	2	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	34 Ti	Titanium	2	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
980930	35 Zr	Zirconium	2	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBE
T STREAM SED, SILT	2	1 -80	2	CRUSH/SPLIT & PULV.	10
				DRY, SIEVE -80	1

REPORT COPIES TO: MR. STEVE TRAYNOR

INVOICE TO: MR. STEVE TRAYNOR

Intertek Testing Services
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Geochemical Lab Report

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DATE RECEIVED: 24-SEP-98 DATE PRINTED: 30-SEP-98 PAGE 1 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
98S409		51	<.2	34	43	183	5	19	11	1.0	<5	16	<5	2.74	2407	<10	200	16	32	<20	<20	8	1.12	0.66	0.46	0.02	0.14	17	6	<2	9	2	<5	<10	0.06	<1
98S410		26	<.2	12	13	45	1	15	7	<.2	<5	7	<5	1.97	630	<10	103	16	30	<20	<20	12	0.90	0.48	0.35	0.01	0.15	13	6	<2	9	3	<5	<10	0.07	<1

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM
BCC GEOCHEM STD 5		-	0.8	91	8	74	1	36	19	<.2	<5	8	<5	4.66	694	<10	166	47	109	<20	<20	5	3.02	1.70	0.97	0.04	0.30	32	7	<2	22	6	7	<10	0.16	13
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.8	91	8	74	1	36	19	0.1	3	8	3	4.66	694	5	166	47	109	10	10	5	3.02	1.70	0.97	0.04	0.30	32	7	1	22	6	7	5	0.16	13
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	18	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	39	9	4	-	1	18	1	-	9
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.01	<1
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		3	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	<.01	<1
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.01	<1
BCC Au Std.9		209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

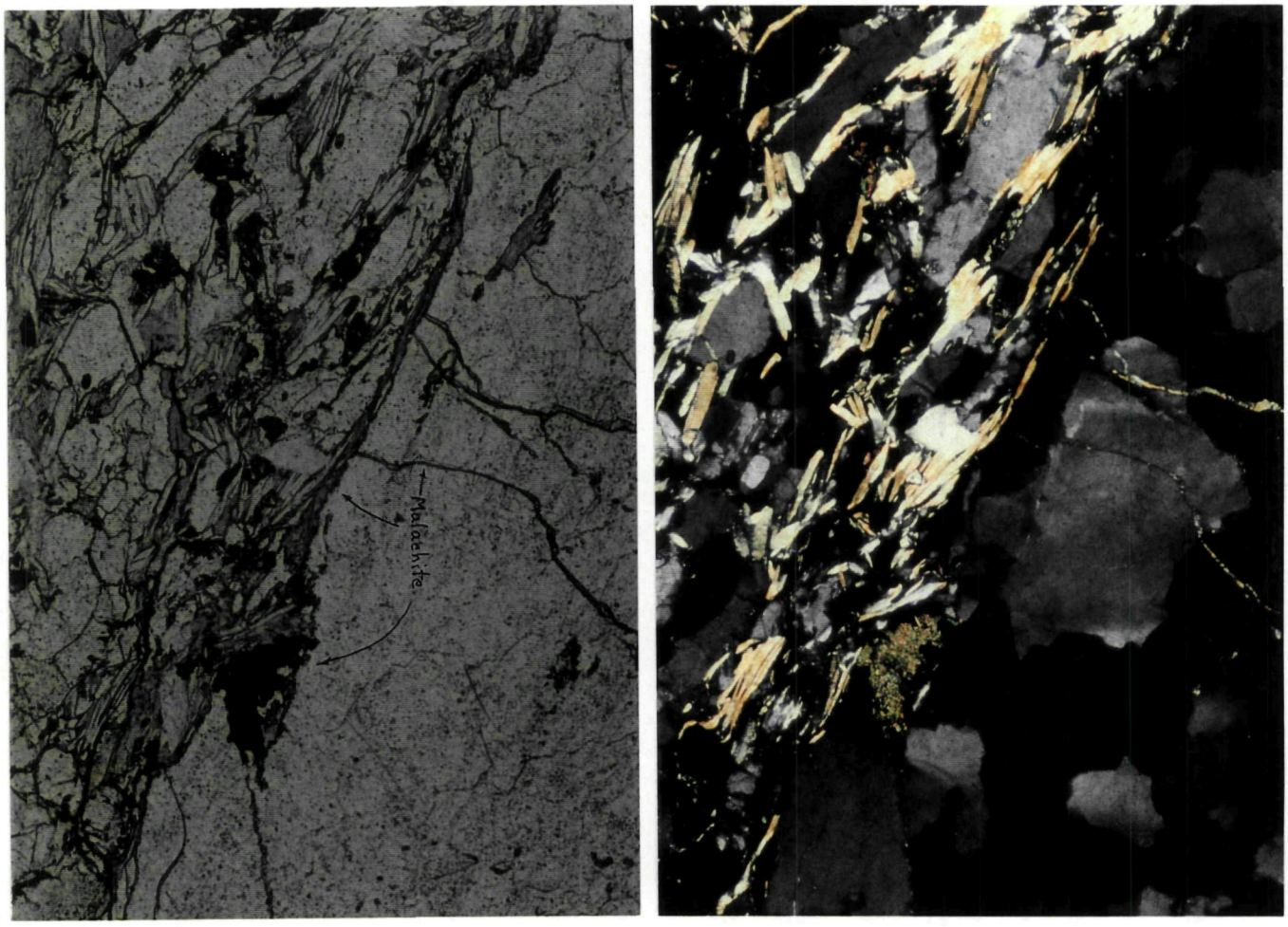
APPENDIX D

PETROGRAPHIC
(THIN SECTION)
REPORT

for Steve Traynor

Prepared by K.E. Northcote & Associates
for Vancouver Petrographics
October 13, 1998

[3] 98R396
Muscovite schist



Photomicrographs 98R XXII 24 and 25 Plane polarized and Cross polarized light
Scale 0.1 mm ___

Summary description
Muscovite-chlorite-quartz-feldspar schist. Micaceous and feldspathic segregations are narrow and streaky, apparently affected by shearing. Quartz segregations are prominent, locally cut by what appear to be shear planes. Quartz bands swell to ~ 1.0 cm and contain some coarse euhedral to anhedral sodic feldspar. Irregular interlocking grains varying widely in size suggest originally veining.

Copper mineralization consists of malachite, as scattered aggregates in narrow K-feldspar segregations, and in microveins both parallel to and cutting across fabric.

[3] Continued

Microscopic description

Transmitted light

Quartz; 30-35%, anhedral (<0.01 to ~ 5.0 mm). Interlocking in elongate lensoidal segregations. Interlocking with lesser featureless, sodic feldspar. Quartz segregations contain fine recrystallized bands interpreted as shear planes.

Plagioclase / albite; 25-30%, anhedral (0.01 to 0.3 mm). Featureless sodic feldspar bands contain or surround micaceous / chloritic segregations and form some lensoidal domains with crystalloblastic texture. Some coarser sodic feldspar occurs with quartz in the quartz-rich segregations.

K-feldspar; 10-15%, anhedral (<0.01 to 0.1 mm). Very fine grained, in narrow, anastomosing vein-like structures which run parallel to the overall fabric. These pinch and swell, generally <1.0 mm in width.

Muscovite; 10-15%, anhedral (<0.01 to 0.5 mm). Narrow, somewhat diffuse segregations produce schistosity. Planar preferred orientation with chlorite, some epidote.

Epidote; 5-7%, anhedral (<0.01 to 0.2 mm). Irregular grains with mica and chlorite. Brown core in one case -- allanite?.

Chlorite; 3-5%, anhedral (<0.01 to 0.5 mm). Bladed, intergrown with muscovite in narrow micaceous segregations. Present along malachite microveins and a few chloritic microveins cut across dominant fabric.

Malachite; 2-3%, anhedral (<0.01 to 0.05 mm). Fine fibrous aggregates, microveins both parallel to and cutting across metamorphic fabric. Some aggregates occur in K-feldspar segregations and a few of these have colloform textures

Garnet;<1% (~3.0 mm). Noted in hand specimen.

<u>Late veins</u>:

A very fine network of malachite-bearing microveins cut across metamorphic fabric -- independent of original fabric. A few crosscutting microveins or microfractures have sparse associated bladed chlorite.

Reflected light

Sphene; ≤1%, anhedral to subhedral (<0.01 to 0.1 mm). Scattered in mica and chlorite-rich segregations.

[3] Continued

Hematite; traces+, anhedral (<0.01 to 0.1 mm). Some present in deformed microveins parallel to fabric.

Rutile / leucoxene; traces+, anhedral (microcrystalline to 0.1 mm). With sphene.

Pyrite; trace, anhedral (≤0.01 mm). Very sparse in microveins / fractures with malachite.

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

SHEET 105C-11

LATITUDE 60°30' To 60°45'
LONGITUDE 133°00 To 133°30'

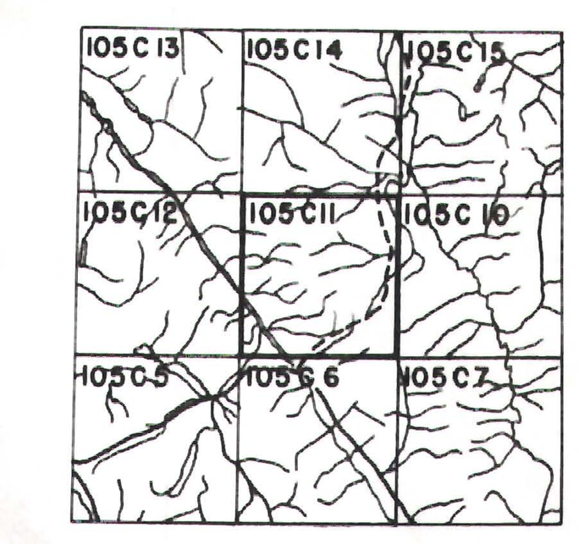
WADE CARRELL – YMIP 98 - 034
SAMPLE LOCATION MAP
MOUNT GRANT TARGET AREA
FIGURE 8

SCALE: 1/2MILE To 1 INCH

FT. 1500 0 1500 3000 4500 6000 7500 9000 10500 FT.

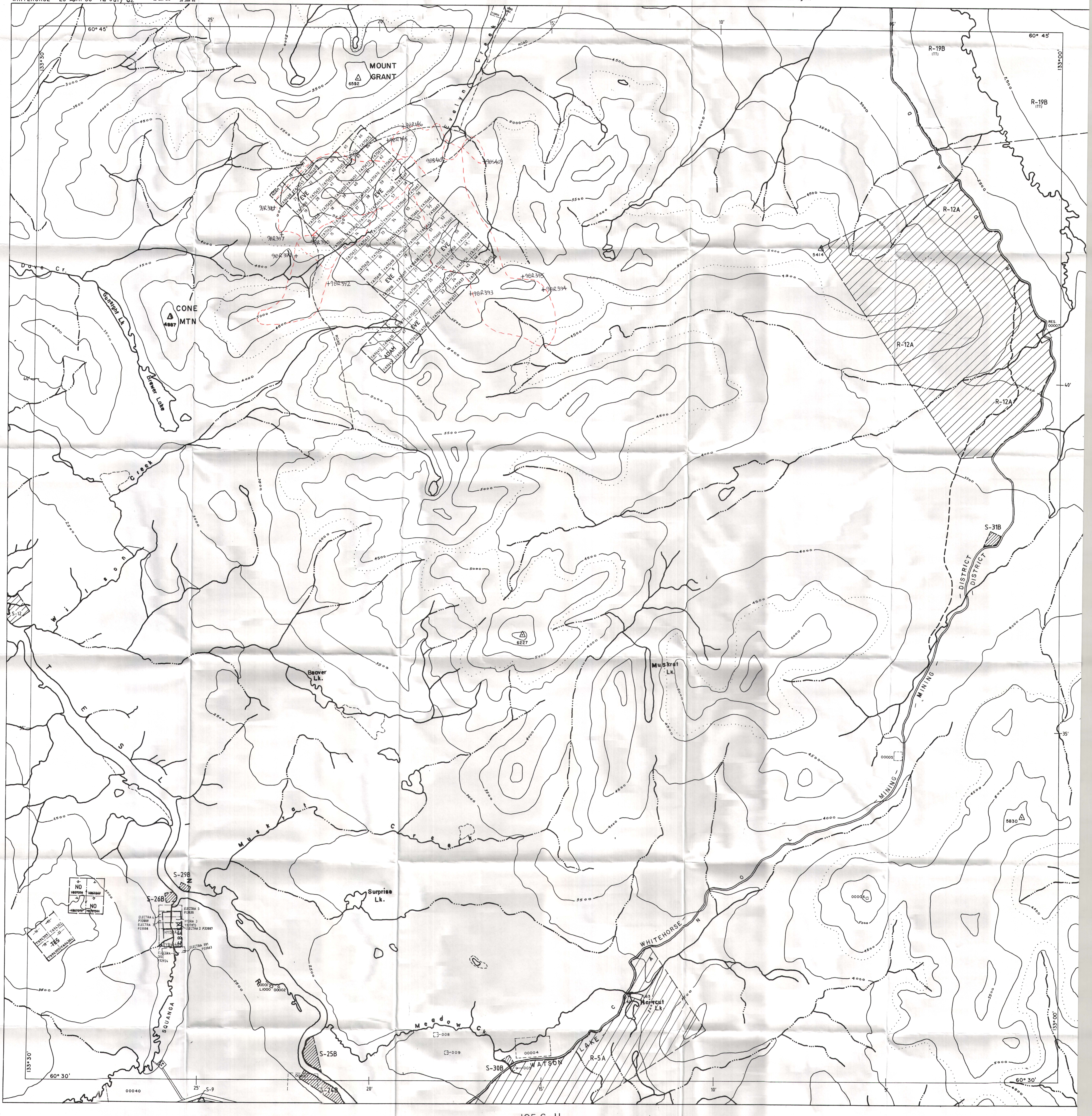
ISSUED UNDER THE AUTHORITY OF THE MINISTER OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.



TT = TESLIN TLINGIT COUNCIL

WHITEHORSE 23 April 56 12 July 62
19 Jan. 70
12 Jan. 72
29 May 80
8 JULY 88
07 FEB 94
01 OCT 93
2 JUNE 93
16 APRIL 93
22 FEB 93
12 JAN 93
26 AUG 92
03 JAN 92
23 APRIL 90
14 MAR. 90
06 OCT 89L
4 JUNE 97 L
22 MAY 97 L
23 JUN 96
15 FEB 95 LA
20 JAN 95



Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

Northern Affairs Program | Programme des affaires du Nord

Mineral Rights — Droits miniers

105C-1

QUARTZ & PLACER

WADE CARRELL – YMIP 98 - 034

TRAVERSE LOCATION MAP

TESLIN LAKE TARGET AREA

FIGURE 2

SCALE 1:31,680

METRES 1000 0 1000 2000 METRES

1500 0 1500 3000 4500 6000 7500 9000 10500

FEET FEET

N — MAGNETIC NORTH 24°34' E

I.G. Indian Grave Site

NOTE:

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.
CONTOUR INTERVAL 500 FEET.
SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

Note: Entry on certain lands is withdrawn from staking in cross-hatched areas to facilitate the settlement of Native Land Claims without prejudice to Existing Surface and Subsurface Rights.

105C-7	105C-8	105B-5
105C-2	105C-1	105B-4
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE		

TT = TESLIN TLINGIT COUNCIL

Canada

WATSON LAKE 4 JULY 1988

27 JUNE 98
03 NOV 97
4 JUNE 97 L
07 MAY 97
23 JAN 97
21 JULY 96
23 JUN 96
18 DEC 95
07 DEC 95
18 OCT 95
17 JULY 95
05 APRIL 95
24 MAR 95
16 FEB 95 L
15 FEB 95 LA
08 FEB 95 LA
23 JAN 95 LA
16 SEPT 94 L
1 SEPT 94 L
22 AUG 94
05 APR 94 D
16 SEPT 93
22 FEB 93
19 JULY 92 L
27 JULY 92 L
31 MAY 99
16 MAR. 90
11 SEPT. 89
27 JULY 88
13 OCT 98

132°30' 25' 20' 15' 10' 05' 132°00'

60°15' 10' 05' 60°00'

ENGLISHMANS RANGE

Caribou Creek

Eagle Bay (Teslin Lake)

Morley Bay (Teslin Lake)

R-2A R-2A R-2A R-2A R-20A

S-10B S-201B S-200B S-202B

S-55B Hassell Lake S-54B

Strawberry Lake

Strawberry Creek

MOUNT MORLEY 5030

Y U K O N

P L A T E A U

MORLEY RIVER

R-3B (TT) R-3B (TT)

R-16A

S-6B S-7B S-130B S-79B S-53B

PIPELINE CORRIDOR P.C. 1043, 4079

ALASKA HIGHWAY

AIRSTRIP

WATSON LAKE WHITEHORSE

TESLIN LAKE

MINING DISTRICT

YUKON TERRITORY BRITISH COLUMBIA

Four Mile Lake

TERRITOIRE DU YUKON COLOMBIE-BRITANNIQUE

105C-1