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REPORT OF 2000 FIELD ACTIVITIES FUNDED UNDER YMIP GRANT #00-040

PREPARED FOR:
WADE CARRELL
C/O BOX 4375
WHITEHORSE, YUKON
Y1A 3T5

BY:
STEVE TRAYNOR, B.Sc. (Honours, Geology)
OCTOBER 2000

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

INTRODUCTION

This report prepared for Wade Carrell, summarizes prospective exploration funded under Grant # 00-040 of the Yukon Mineral Incentives Program (YMIP). A detailed summary of 2000 field activities and copies of field notes are included as Appendix A

Three projects are discussed in detail, they include Partridge Creek, Oz and Fox Creek areas.

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

TARGETS 1and 2 – KING LAKE & LABERGE

PROJECT SUMMARIES

Only preliminary reconaissance and orientation work was completed on these target areas during the 2000 field season.

KING LAKE – Target 1

Two days were spent reconaissancing possible access to the area from the Ibex Valley road and prospecting the limited outcrop. Snow still at elevation and falling during the latter part of the second day resulted in an unsuccessful attempt to relocate some old workings the are reported to exist in the area (R. Suits, personal communication). This project was subsequently abandoned. This area, especially back to the NW where known minerlaization occurs in outcrop (former King Lake property) still has potential, but would require extensive drilling due to near continuous glacial cover.

LABERGE – Target 2

Access to this grassroots target was attempted via the old Livingstone trail, which was rendered impassable by wet conditions and the actions of various rodents and by boat across an often rough Lake Laberge. No work was completed on this target due to activities in other parts of the territory, but the target is still considered viable and in years with early summers would likely be open quite early.

TARGET 3 – PARTRIDGE (SEAGULL) CREEK

PROJECT SUMMARY

This area, which was originally Sidney Creek, was amended after discussion with K. Galambos of the YMIP program. Environmentally the area shows geological and geochemical characteristics capable of producing emeralds. Other semi-precious stones (beryll and topaz) are known to occur just to the SSE of the target area.

AREA LOCATION AND ACCESS

The target is located NNW of the headwaters of Goddart and Partridge Creek as shown on NTS 105 B 3 (see Figure 1). Access to the area was accomplished by helicopter from a base near Swan Lake on the Alaska Highway.

PREVIOUS WORK AND EXPLORATION HISTORY

The Minfile mentions numerous Sn and F skarn and vein occurrences and quartz-tourmaline greisen zones (105B 030, 035, 073 and 079). Little else in the way of development has taken place, due in part to lack of access and outdated mapping.

REGIONAL AND GENERAL GEOLOGY

The area is situated in the Dorsey Range in the south central Yukon on the flank of the Seagull Batholith. The contact between earlier ultramafic rock, much of it serpentinized, that intruded argillites and the Cretaceous aged batholith was considered a target for the possible formation of emeralds in griesen zones. Quartz-tourmaline concentrations and miarolitic cavities are reported for the area.

Tourmaline which is a good mineral indicator for this type of deposit and it was noted in the high saddle on the N flank of the ultramafic body at the intrusive contact, both in quartz rich pegmatite float and serpentinite float.

DESCRIPTION AND SUMMARY OF WORK

One day was spent attempting to access the area from the east, but lingering traces of avalanches in the area had the road blocked in a number of places. The availablity of a chopper in the area allowed for a good day of prospecting around most of the causative intrusive in the area. Propecting of the contact

zone for quartz veining, indicator minerals and other signs of possible mineralization was completed.

ANALYSIS AND RESULTS

Apart from the tourmaline detected on the N flank, few other positive indicators were detected. Granted it is a large, steeply mountainous area often covered extensively by mixed talus and other signs may be present. Probably the most significant aspect of the trip was on the flight home at the end of the day, when a visual location of a topaz occurrences reported in the area was attempted. The indicated area did not fit with other descriptions of the area (L. Walton, personal communication) and a prominent dike reported in the area was not visible. Another pass of the area located a foot trail that returns to the Alaska Highway and what is apparently the dike hosting the occurrence, *on the opposite side of the valley from where it is reported to be.*

CONCLUSIONS AND RECOMMENDATIONS

While the area doesn't host any obvious zones that would typically be associated with emerald occurrences, the possibility that the observed dike could be host of the topaz occurrence reported in the area should be investigated after other sources are rechecked.

TARGET 4 – OZ (MONEY CREEK)

PROJECT SUMMARY

Prospecting activities in this area where proposed as an amendment to the original application (correspondence dated June 22, 2000) to follow up reports of an emerald occurrence in the area. A total of 14 days were spent on the project during the 2000 field season.

AREA LOCATION AND ACCESS

Located in the Finlayson Lake district, approximately 20 miles SW of the highway, the target area is found on Claim Map Sheet 105 G 8 at the headwaters of Money Creek. Access is by fixed wing or helicopter from a base on Finlayson Lake A unnamed hachet shaped lake at the head of Money Creek facilitated the use of a Beaver aircraft owned and operated by Kluane Airways and a base camp was established at the SE end of the lake (see Figure 2).

PREVIOUS WORK AND EXPLORATION ACTIVITY

Previous base metal vein mineralization and jade have been discovered in the area. The discovery of additional base metal massive sulfide mineralization in the area in 1989 culminated in the mid 1990's with blanket staking of most of the belt of volcano-sedimentary rocks after the discovery of the KZK and Wolverine massive sulfide deposits. Observations made by personnel working for Expatriate Resources during reconnaissance work on the GOAL/NET claims resulted in the discovery of emeralds late in the 1998 field season.

REGIONAL AND GENERAL GEOLOGY

As mentioned much of the area is predominated by volcano-sedimentary lithologies prospective for massive sulfides, leaving much of the intrusive rock in the area unstaked. Limited published information and research indicated that the metasomatic contact between the intrusive and ultramfic rock mapped in the area (Murphy and Piercey, 1999) was target as a possible host zone. The specific host lithology in this area is a biotite-phlogopite schist.

The area was also tectonically active as evidenced by the Money Creek Thrust which underlies the entire area. Structural preparation of an area by intensive tectonism is also important when considering the formation of emerald deposits.

Emeralds formation also requires chromium bearing rock, the intense green color of emeralds is a result of chromium (Cr3). RGS geochemical data for the area indicates high vanadium in much of the local drainage, a element that is often associated with chromium.

DESCRIPTION AND SUMMARY OF WORK

Detailed prospecting of the drainage in the area and along prospective contacts on unstaked ground was carried out during a 2 week investigation of this target. Panning and screening of fluval gravels and talus from areas considered prospective was carried out. The purpose of this work was to identify the indicator chromium and use it to vector to a source. Failing this it was hoped that actual emeralds might be found that could be recovered by placer methods after the appropriate staking was carried out. During the course of these efforts, which were unsuccessful, the area of Expatriates original showing was encountered and investigated (by placer methods).

ANALYSIS AND RESULTS

As mentioned in the previous section pan concentrates and screened material failed to identify any useful indicators or discover any additional emerald occurrences. Some quartz-tourmaline viening was detected in the area at the head of Creek 9 that was bedded with the schist but the area lacked the alteration associated with the known occurrence in the area.

CONCLUSIONS AND RECOMMENDATIONS

The limited extent of the original showing which apparently has been cleaned out, the lack of alteration and weathering typically associated with known occurrence(s) in the area and the lack of success in discovering other indicators and/or placer deposits of emeralds regrettably lead to the abandonment of this project. No further work for this deposit model is recommended in the area.

TARGET 5 - FOX CREEK

PROJECT SUMMARY

Work in this area was proposed to search for additional occurrences of high grade Zn-Pb-Ag float following success the previous season by Tanana Exploration on their Fox property which is located here. A short program of reconaissance prospecting was completed on the fringes of the property and was very successful in extending the known size of the mineralizing system in the area.

AREA LOCATION AND ACCESS

The area is situated 45km. SW of Ross River and covered an area in the upper sections of Fox Creek, between it an Brie Creek. It is located in the central part of the NTS 105 F 14 Claim Map Sheet. It is accessible by helicopter from Ross River with staging from a gravel pit on the South Canol Road in the vicinity of its crossing of Fox Creek. An established camp on Brie Creek was used as a base for the work.

PREVIOUS WORK AND EXPLORATION ACTIVITY

Originally staked in 1971 on the presence of highly mineralized boulders in a well developed float train in Brie Creek by Pete Risby, it was optioned to Arrow Inter-American Corp. who staked additional claims and explored with geochemistry and propecting. Risby restaked the ground in 1975 and after an examination and report by D.G. Cargill (1975) the property was optioned in 1976 to Utah Mines Ltd. who

staked additional claims and carried out an extensive exploration program the following year. The program consisted of geochemical sampling, both stream sediment and soil, electomagnetic, gravity and magnetic geophysical surveying and geological mapping as reported by Norman et al (1976). A number of short diamond drill holes completed late in 1976 targeted strong geophysical conductors that proved to be unrelated to the mineralization in the area. Restaked recently in 1995 by Morley Barker it was allowed to lapse after a soil geochemical program carried out across upper Brie Creek in a deeply buried area failed to locate a source for the mineralized boulders in Brie Creek.

Much of the belt was originally explored in the early 1970's, particularily the SE and central portions and is host to numerous deposits and occurrences which are examined in some detail by Morin (1976) and Mortensen (1982). Early mapping by Wheeler et al. (1960) and later detailed mapping by Templeman-Kluit (1977) identifies volcano-sedimentary lithologies suggestive of an environment permissive for the deposition of massive sulfide mineralization that includes bedded barite occurrences distal to the property area.

Work during 1999 by Tanana Exploration Inc. on their newly staked Fox property served to confirm the presence and nature of high grade Zn-Pb-Ag float mineralization in the area and for the first time indicated that Au also occurs with the mineralization. Their succuss in identifying new float and inplace mineralization indicated an expanded regional potential in the area.

REGIONAL AND GENERAL GEOLOGY

The Pelly Mountains lie near the transition of the Omineca Crystalline Belt into the Yukon Crystalline Terrane and expose a Late Proteozoic through Early Silurian miogeoclinal sequence of strata in imbricated thrust sheets that have undergone syn- and post-thrusting deformation and metamorphism. Upper Devonian and Mississippian strata, recognized throughout the area for their potential to host massive sulfide deposits, are present in at least two of the structural packages. The lowermost of these packages contain metavolcanic rocks consisting of volcaniclastic material and minor flows deposited in a submarine environment and capping a thick sequence of black, often graphitic, phyllites. Mineralization discovered to date is found along the northern edge of a SW dipping thrust sheet in the area, at or near the contact of these lithologies and in float derived from them. The prospective stratigraphic interval consisting mostly

of rusty orange weathering, grey and black phyllite that is occassionally graphitic and often contains felsic tuff, these rocks can be differentiated from those overlying them by the abundant quartz and carbonate they contain. Quartz-carbonate veining that cuts across this interval serves to further highlight the prospective interval and were found this year to also host good base and precious metal values. Intrusive rocks reported and observed in the area, include 3m to 5m wide hornblende diorite dykes and more numerous 1m wide andesitic dykes.

DESCRIPTION AND SUMMARY OF WORK

Drainage prospecting for mineralized float was carried out on the first creek north, the first creek west and along the upper reaches of Brie Creek immediately south of the Fox property (see Figure 3). The first creek north of the property yielded a single fist sized piece of quartz rich float containing 'black jack' stringers of sphalerite (00R102) for which no source except one on the property at the head of the creek could be determined.

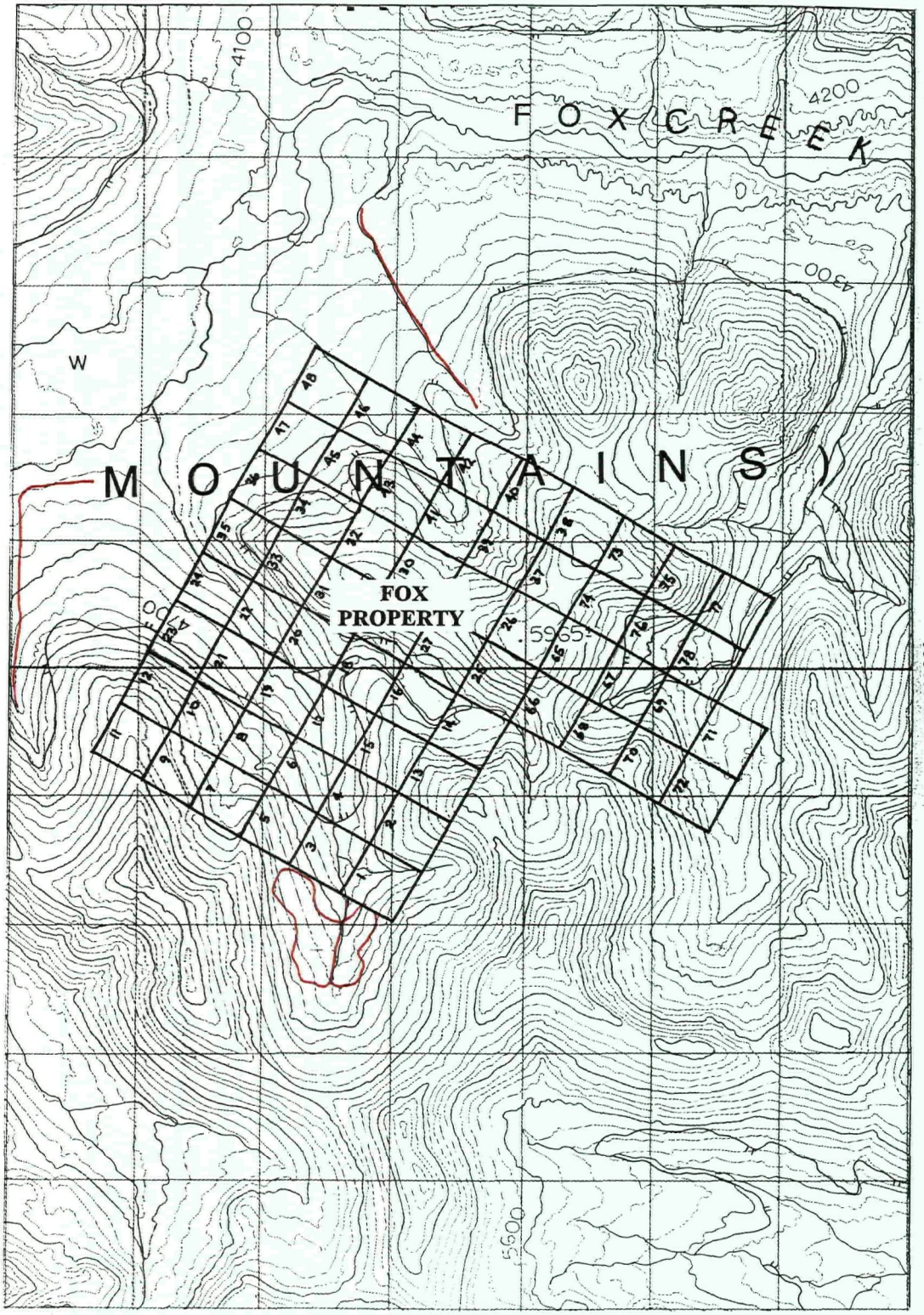
Prospecting of the first creek west of the property, where a small piece of pyrite rich sulfide float had been discovered, proved unsuccesful particularly in the lower sections where glacial-fluvial material was extensive.

South of the Fox property float discovered on upper Brie Creek was successfully traced back to source in two locations in the cirque that heads this creek (see Figure 4 for location). The results of sampling in this area are discussed below and analysis are presented in Appendix C following the report.

ANALYSIS AND RESULTS

Samples taken form the east side of Brie Creek represented mineralization consistent with that has previously detected in the region, while those taken from the west side (00R047, 048 and 068) represent a type of mineralization not previously detected, but still thought to be connected to the mineralizing system that was active in the area.

Quartz rich, pyritic float was found to be enriched in Cu and Au and often contained either obvious chalcopyrite and/or malachite staining. In place mineralization represented by sample 00R006 was taken from a quartz-carbonate-sulfide rich zone in phyllite and returned elevated Zn-Pb-Ag values across 4 meters of outcrop. Thus mineralization is thought to extend over a few hundred meters back towards the



LEGEND

- Elevation Contour Interval (100 feet)
- Stream, creek
- Claim group boundary
- Claim line
- Traverse location

T.N.

0 1000 2000 3000

METRES

WADE CARRELL – YMIP 00-040

FOX CREEK
Project/Traverse Location Map

Steve Traynor, Geologist

SCALE: 1 : 50,000	FILE: BC98_4A	DATE: 99.01.17
NTS: 105 F 14	DRAWN: SDT	FIGURE 3

595000m.E

5600000m.N

00R049 X
00R050X
00R052X X 00R051

APPROXIMATE CLAIM GROUP BOUNDARY (FOX)

+00R068

1600
1700
1800
1900
1500
1600
1700

10+00E

X00R069

Brie Creek

00R045X X00R046

8+00N

00R004 X X00R005
+00R006

X00R047

+ 00R048

N

0 100 200 300
METERS

LEGEND

1600 — Elevation Contour (m)

Creek

Approximate location of 1976 grid references

\+ Sample location (Bedrock)

X Sample location (Float)

WADE CARRELL- YMIP 00-040

SAMPLE LOCATION MAP
Upper Brie Creek Zone

SCALE: 1:5000		DATE: OCT. 2000
NTS: 105 F 14	DRAWN BY: SDT	FIGURE: 4

north, based on float collected at about the 1700m level.

Most significant though are the results of prospecting and sampling on the west side of the creek from quartz veining and fracture filling in the volcanoclastic rocks which overly the phyllitic member of the stratigraphy. Represented by greenish, often chloritic schist that was probably originally laid down as tuff that caps the phyllites, this unit host the upper levels of quartz veins that are intruded thru the underlying rocks. Everything from small veinlets, to quartz sulfide fracture fills to large bull quartz veins have been detected. The results of samples 00R047 and 048 are particularily encouraging with extremely high Au and Zn values. In addition to 20.2 g/tonne Au and 17.54% Zn, sample 00R047 also returned 569.7 ppm Ag from massive pyrite and galena in quartz float. This sample was collected downslope from weathered chloritic schist outcrop containing quartz-sulfide fracture fill material sampled as 00R048 which returned 4.54 g/tonne Au and 16.56% Zn.

CONCLUSIONS AND RECOMMENDATIONS

The sampling in the upper Brie Creek area revealed a potential new mineralized zone similar to those identified on the Fox property to the north. Sampling on the west side of the cirque heading this creek returned the first high grade gold results detected in this region. The significance of these results cannot be understated and have provided needed insight into understanding the nature and extent of the mineralizing system throughout the area.

This work has quite clearly shown through the existence of significant mineralization in the rocks above the contact with the phyllites, that while they host much of the base metal and Ag mineralization detected to date, the overall potential of this area occurs over a much wider interval of the stratigraphy then previously thought. If this information is now incorporated into the exploration model for this area, a flat lying manto replacement type of mineralization must be considered as the most likely case.

Further work in this area is definitely recommended in the form of detailed prospecting, hand pitting and sampling.

TARGET 6 – Rancheria (Luck)

PROJECT SUMMARY

Work on this excellent target was abandoned after being short circuited by the land claims process and considerable cost was incurred as a result of bureaucratic miscommunication.

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APPENDIX A

SUMMARY OF PROSPECTING ACTIVITIES
AND
FIELD NOTES

SUMMARY OF 2000 FIELD ACTIVITIES-WADE CARRELL, YMIP 00-040

KING LAKE PROJECT AREA

June 7 & 8, 2000 -Scout Lake Road orientation and reconnaissance
-Determined road access, prospected SE of EZE claims (06/07).
-Investigated area further south and prospected access trail. Heights still snow covered and fresh snow falling (06/08).
-WSC, SDT and IE.

LABERGE PROJECT AREA

June 9, 2000 -Laurier Creek access reconnaissance along old Livingstone Trail, which remained impassable due to wet conditions throughout season.
-WSC and IE.

Sept. 11, 2000 -Attempted to access Laurier Creek area by boat from Lake Laberge but ended early due to roughing conditions on the lake
-WSC.

PARTRIDGE CREEK AREA

July 15 and 18, 2000 -Access reconaissance and propecting along extension of Pine Lake road (07/15).
-Helicopter supported reconaissance of area W of Partridge Creek (07/18).
-WSC, SDT and MC.

OZ (MONEY CREEK) AREA

June 28- July 10, 2000 -Mobilization Watson Lake to Finlayson Lake and by float plane to project area (06/28).
-Rain day due to high winds and steady rain (06/29).
-Began prospecting drainage of Money Creek drainage (06/30)
-Prospecting of drainage SE of NET claims and testing of creek #2 (07/01).
-Prospecting of ridge N of NET claims and testing of creek #8 (07/02).
-Prospect drainage SW of camp and test lower reaches of creek #4 (07/03).
-Prospect and test drainage on creek #9 (07/04).
-Completed testing of creek #4 and prospected S of NET claims (07/05).
-Deteriorating conditions postponed continuation of work S of NET claims (07/06).
-Testing and prospecting S of NET claims on creeks #5, 6 and 7 (07/07).
-Testing of creek #2 (07/08).
-Testing of creek #3 and prospecting SW of NET claims (07/09).
-Broke camp and demobilized to Whitehorse (07/10).
-WSC and ES.

FOX CREEK AREA

July 23, 24 & 27, 2000 -Prospect 1st creek WNW of FOX property and Fox Creek valley (07/23)
-Prospect drainage NNE of FOX property and sample float (07/24).
-Prospect and sample upper Brie Creek S of FOX property (07/27).
-WSC, SDT and/or MC.

RANCHERIA (Boulder Creek/Luck) AREA

June 12-15, 2000 -Mobilization, access reconnaissance and prospected at elevation NNE of Boulder Creek before setting camp (06/12).
-Prospected 'Luck' showing and historic trenching in the area (06/13).
-Prospected west of Boulder creek and north of Alaska Highway (06/14).
-Broke camp and returned to Whitehorse (06/15).
-WSC and IE.

June 20-23, 26 and 27, 2000 -Mobilization and staking of Luck 1 – 32, including prospecting (06/20-23).
-Resupply and staking of Luck 33 – 48 (06/26 and 27).
-Attempted to record claims, but they were denied due to change in land status which previous inquiries did not reveal (06/28).
-WSC, ES and/or IE.

Notes

No... KING LAKE ... RECON
Date. ... JUNE 7, 2000 .. Page 01

STEVE & I RECONNED THE SCOUT LAKE ROAD FOR ACCESS TO SOUTH OF EZE CLAIMS.

TWO OLD CAT ROADS & SOME WOOD CUTTING ROADS EXIT TO THE NORTH OF SCOUT LAKE ROAD.

INVESTIGATED 1ST CAT ROAD AT KM 6.8 WEST OF OLD ALCAN HIWAY.

DARK BROWN, PYRITIC ROCK OUTCROPS ALONG WEST SIDE OF ROAD. SOME OF THESE UNITS ARE VOLCANICS & SOME SEDIMENTS. FRACTURING & QUARTZ FILLING IS EVIDENT IN SOME UNITS.

RECONNED SEVERAL WOOD CUTTING ROADS. ONE OF THESE ROADS CONNECTS WITH EZE CLAIMS TO N.E. WILL CHECK OUT OTHER CAT ROAD TOMORROW. 80 KM.

No. KING LAKE - RECON
Date JUNE 8, 2000 Page 02

STEVE, IVAN FLASH & I RECONNED THE CAT TRAIL, 8.3 KM WEST ON SCOUT LK. ROAD. GOOD ROAD TO N.W. ONE MAJOR SPLIT WITH THE RIGHT SIDE ENDING AT A CANYON. THE CAT ROAD CONTINUES FOR ABOUT 1 KM & ENDS AT A WELL CUT TRAIL. THIS TRAIL FOLLOWS THE RIDGE UP THE MOUNTAIN TO THE N.W. THE TRAIL HAS BEEN CLEARD WITH POWER SAWS TO A WIDTH OF 4' & ENDS JUST BELOW TREELINE.

A LINE OF CAIRNS FOLLOWS THE RIDGE LINE TO WELL ABOVE TREELINE. AFTER WE CRESTED THE RIDGE, THE TRAIL WAS LOST IN UNMELTED SNOW.

AN OLD MINFILE REPORT HAS LOCATED TRENCHING ON AN OCCURRANCE OF COPPER IN

No. KING LAKE - RECON
Date. JUNE 8, 2000 Page 03

THE IMMEDIATE AREA OF THIS RIDGE CREST.

ALL THE ROCKS ENCOUNTERED ALONG THE RIDGE ARE FRACTURED OR ALTERED, WITH NUMEROUS AREAS OF PYRITIZATION & GOSSAN. EPIDOTE IS EVIDENT IN SEVERAL PLACES.

THE ROCKS IN THIS AREA ARE IDENTICAL TO THOSE ON THE EZE BLOCK AT KING LAKE WHITCH IS INTRUDED BY PORPHORY.

THIS AREA HAS POTENTIAL TO BE A CONTINUATION OF OUR KING LAKE PROPERTY. WE WILL RETURN AFTER THE SNOW MELT.

80 KM ROUND TRIP

Notes

No. King Lake - Orientation and Grid

Date. June 7, 2000 Page

Completed recon. of Scout Lake Rd. Identified a number of possible access road, river wood cutting trails.

Investigated road originating at Km. 6.8 Generally travels in a northerly direction and may connect with similar roads on the EZE claims to N/W.

In the first 1/2 km the area flanking the road to the west consists of dark brown, hornfelsed rocks, of sedimentary and volcanic origin.

The abundant pyrite in these rocks probably represents the influence of the underlying intrusive rocks. Possibly the small hornblende diorite dyke is also mineralized to the NW.

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

Additional trails further along the Scout Lake Road show some potential

One with obvious cat pushes originates at Km. 8.3 and progresses to the west. This road will be investigated on the next trip.

Whse. return, 80 km.

No. Kmq - Recon and relocation
Date. June 8, 2000 Page

Investigation of cat trail at Km 8.3 of the Scout Lake Road showed a well developed road proceeding to the west from this point. There is one major split in the road with the right hand split deadending at the major drainage in the area. The left split also continues for about 1 km before it turns into a well cleared trail that continues up the main ridge.

At elevation the trail continues as a line of cairns along the ridge line.

Signs of mineralization are evident as gossaned and hornfelsed Sedimentary rock. [illegible] Selvages along [illegible] and fractures which appear [illegible]
In float and outcrops multiple

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

places of intrusive rock were noted.

Epidote was developed in a number of places.

The trail, after crossing the major ridge, was lost in a large snow field. No signs of trenching etc could be determined due to the ongoing melting snow cover at this elevation.

Given the nature of the trail, the anteclocal information on the area and the porphyry potential identified to the NW that is connected by the same magnetic feature more work after the melt is complete is warranted.

Whse return 80km.

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

No LAKE LEBERGE - RECON
Date JUNE 9, 2000 Page 01

No
Date
Page

IVAN FLASH & I RECONNED THE LONG LAKE ROAD, WITH THE HOPE OF ACCESSING THE PINE LAKE, LAURIER CREEK AREA. THIS AREA EAST OF LAKE LEBERGE & WEST OF THE LIVINGSTONE ROAD IS PROSPECTIVE FOR Cu, Au PORPHORY.

THE ROAD IS IMPASSABLE DUE TO RUNOFF A BOGGY SECTION 1KM SOUTH OF LEBERGE CREEK, WILL DRY UP IN A FEW WEEKS.

THIS AREA CAN BE ACCESSED BY BOAT FROM LAKE LEBERGE.

RAIN IN AFTERNOON.

ROUND TRIP 54 KM.

No Boulder Creek - Recon
Date June 12, 2000 Page 01

Ivan Flash & I mobilized from Whitehorse to Boulder Creek. 359 km Whitehorse to Camp.

The cat road from the Al Can Hiway at Boulder Creek is in excelent condition & follows the West side of the creek for 9 km.

The cat road crosses Boulder Creek at km 7.5 at which point the Road splits. The Right branch proceeds up hill to the Fiddler Mine site.

We continued up hill for about 2 km. The steep grade & 3' snow drifts put a stop to us.

Ivan & I hiked up hill for another kilometer.

No Boulder Creek - Recon
Date June 12, 2000 Page 02

The access road twists & turns to follow benches of gentler grades. The pine & spruce trees are quite large. Shaded sections of road have snow cover to 4' deep. At present rate of melt this road will be passable in a week.

Bedrock is exposed on or beside the road in several locations.

All outcrop is a light grey phyllite with limey interbeds & some quartz carbonate veining. Rock appears unmineralized. Outcrops dip 20 to 30° S.E. & strike to the N.W.

Made camp 1.5 km N.W. of creek crossing.

No. Boulder Creek - Recon
Date. June 13, 2000 Page 03

Weather: Warm, Broken cloud, light shower in afternoon.

Ivan & I traversed N.W. from camp to investigate the Luck Showing "VMS" & cat trenches along the N.E. side of Boulder Cr.

Sample # OOR/001 taken from trench "Luck Showing" grab sample across 6' of massive sulfide outcrop. Sample is about equal to 50% galena & sphalerite, with the ballance, phylite, pyrite, phynotite & or chalcopyrite.

The sulfide showing is capped by a heavily oxidized mix of broken phylite, pyrite, galena & sphalerite. This cap zone is about 6' thick.

No. Boulder Creek - Recon
Date. June 13, 2000 Page 04

The sulfides are exposed at the bottom end of a cat trench, that strikes N.E uphill on a 45° angle.

We investigated three trenches to the East, all were sloughed in with gravel.

There is one trench about 50' West of the showing & a short horizontal trench above the showing. These trenches expose what has been called a calcite vein.

Sample # OOR/002 taken from the trench west of & 40' above the sulfide showing. Sample is greater than 50% gypsum with minor phylite. This zone is stratigraphically above the oxide zone & thickens to the West.

No Boulder Creek - Recon
Date June 14, 2000 Page 05

Weather: Sunny & Warm

Ivan & I traversed the East ridge of the mountain, West of Boulder Creek on the Alaska Hiway.

We hiked up the cat trail from the edge of Hiway.

We investigated trenches up the ridge. The trenches were dug at the contact of the Cassiar Batholith with a Limestone unit on the East Ridge.

All of the lower trenches investigated, "4" were sloughed in. Two hand dug trenches near the crest of the ridge, exposed a small quantz, calcite, rhylite bretcha zone.

There are minor amounts

No Boulder Creek
Date June 14, 2000 Page 06

of sulfides in limonitic clumps in the bretcha in the lower of the two trenches. I took a grab sample of the sulfides in the trench. No number was assigned to this sample, as the alteration zone in the limestone, is no wider than one hundred feet from the granite contact. Any scarn etc. in this area is likely too small to be economic.

At km. 1137 the access road to a Northwes Tel Tower, leaves the Alaska Hiway. I wanted to investigate a magnetic signature South of Ranchérea River at this location.

Granite outcrops near the Tower. No mineralization Found. 40 km

No. BONANZA CREEK
Date JUNE 15, 2000 Page 07

BROKE DOWN CAMP & HEADED BACK TO WHITEHORSE.

BACK IN TOWN 2:PM.
359 KM.

IN RETROSPECT I MUST TRY TO REMEMBER TO TAKE A GOLD PAN WHEN I RETURN TO BONANZA CREEK.

No.
Date Page

No.... Boulder Creek
Date ... June 20, 2000 ... Page 01

Resupply & Return to Camp at Boulder Cr.

Set up Camp 9:PM

359 KM

No.... Boulder Cr.
Date.... June 21/2000 Page 02

Started Staking Luck Claims at 8:40 AM

Post #1 Luck #s 1 & 2.
1500' Left & Right
1500' N.W.
June 21/2000
W. Carrell
Time 9:10 AM.

Post #2s & Post #s1
Luck # 3 & 4
1500' Left & Right
1500' N.W.
June 21, 2000
W. Carrell
Time 10:10 AM

Road up Fiddler Hill intersected on Claim Line at 106m. N.W. Luck #1 & 2.

No. BOULDER CREEK
Date. JUNE 21, 2000 Page 03

POST #s 2 LUCK #3 & 4
STAKED 11:AM

POST #1 LUCK #5 & #6
1500' L & R
1500' N. W.
JUNE 21, 2000
W. CANNELL TIME 11:10 AM

POST #2 LUCK 5 & 6
STAKED 12: NOON

POST #1 LUCK 7 & 8.
1500' L & R
1500' N. W
JUNE 21, 2000
W. CANNELL : TIME 12:10 P.M.

No. BOULDER CREEK
Date. JUNE 21, 2000 Page. 04

POST #s 2 LUCK #7 & 8
STAKED 1: PM

POST #1 LUCK #9 & 10
1500' L. & R.
1500' N. W.
JUNE 21, 2000
W. CANNELL TIME 1:15 PM

POST #2 LUCK #9 & #10
STAKED 2:10 PM

POST #1 LUCK #11 & 12
1500' R & L.
1500' N.W.
JUNE 21, 2000
W. CANNELL TIME 2:40

POST #2 LUCK #11 & 12
STAKED 3:30 PM

No. Boulder Creek
Date June 21, 2000 Page 05

Post #1 Luck #13 & #14
1500' L & R
1500' N. W.
June 21, 2000
Wade Cannell Time 3:45

Post #2 Luck #13 & #14
Staked 5:PM

Post #1 Luck #15 & #16
1500' L & R
1500' N. W.
June 21, 2000
W. Cannell Time 5:15pm

Post #2 Luck #15 & 16
Staked 6:30 PM.

Back in Camp 8:45pm

No. Boulder Creek
Date June 22/2000 Page 06

Started offset at creek
8:10 A.M.

Post #1 Luck #17 & 18
1500' L & R
1500' N. W.
June 22, 2000
W. Cannell Time 8:40AM

Post #2 Luck #17 & 18
Staked 10:AM

Post #1 Luck #19 & 20
1500' L & R
1500' N.W.
June 22, 2000
W. Cannell Time 10:05

Post #2 Luck #19 & 20
Staked 10:45

No. BOULDER CREEK
Date. JUNE 22, 2000 Page 07

POST #1 LUCK #21 & 22
1500' L & R
1500' N. W.
JUNE 22, 2000
W. CANNELL : TIME 11:AM

POST #2 LUCK #21 & 22
STAKED 11:45 AM

POST #1 LUCK #23 & #24
1500' L & R
1500' N.W.
JUNE 22, 2000
W. CANNELL TIME 12: NOON

POST #2 LUCK #23 & 24
STAKED 12:50 PM.

No. BOULDER CREEK
Date. JUNE 22, 2000 Page 08

POST #1 LUCK #25 & #26
1500' L & R
1500' N. W.
JUNE 22 2000
W. CANNELL: TIME 1:00 PM

POST #2 LUCK #25 & #26
STAKED 2:00 PM

POST #1 LUCK #27 & 28
1500' L & R
1500' N. W.
JUNE 22 2000
W. CANNELL : TIME 2:00 PM

POST #2 LUCK #27 & 28
STAKED 3:00 P.M.

RETURNED TO CAMP
GOT IN 5: PM

No Boulder Cr

Date June 23, 2000 Page 09

LEFT CAMP 8:45 AM

POST #1, LUCK #29 & 30
1500' L & R
1500' N. W.
JUNE 23, 2000
W. CARNELL : TIME; 10:AM

POST #2 LUCK #29 & 30
STAKED 11:00 AM.

PHYLITIC SCHIST OUTCROP
265 mNWon COMMON LINE
LUCK 29 & 30

POST #1 LUCK 31 & 32
1500' L & R 1500' N.W.
JUNE 23, 2000
W. CARNELL
TIME 11:10 AM

LIMESTONE OUTCROP 267m N.W.

No. Boulder Cr

Date June 23, 2000 Page 10

POST #2 LUCK #31 & 32
STAKED 12:00 NOON

CHAINED THE TIE LINE
FROM THE #2 POSTS
LUCK #29 & 30 TO
#2 POSTS LUCK #13 & 14
1060 METERS BEARING
35° WITHOUT COMPENSAT-
ING FOR ELEVATION CHANGE.

I CHAINED FROM THE
END OF THE CAT ROAD
ON LUCK #13 ALONG
BOULDER CREEK TO THE
LUCK SHOWING.

OUTCROP AT END OF
ROAD & CANYON UPSTREAM
IS PHYLITIC SCHIST

AT 329 M SE I TOOK
SAMPLE #00R/003
FROM OUTCROP.

No. BOULDER CREEK
Date JUNE 23, 2000 Page 11

SAMPLE OOR/003 IS A MASSIVE VEIN OF GYPSUM AT THE CONTACT OF THE PHYLITIC SCHIST TO N.W. & LIMESTONE.

AT METER 357 SCHIST IS EXPOSED BY ROAD CUT.

AT METER 357 SE SUB-CROP IS VUGGY LIMESTONE

THE FRACTURES & VUGS ARE FILLED WITH GYPSUM CACCITE & SQUARE GLASSY BLUE CRYSTALS "FLUORITE?"

THIS ZONE ENDS AT A CONTACT WITH LIMESTONE AT METER 417 SE.

AT METER 537 PHYLITIC SCHIST OUT CROPS

LIMESTONE SUB CROP METER 665 SE

CONTACT LIMESTONE & SCHIST METER 717 S.E.

RAN OUT OF TAPE @ 1126 M S.E.

1140 SE APPROXIMATE SOME GYPSUM IN FLOAT BELOW SCHIST OUTCROP

BACK IN CAMP 4:PM

PACKED UP RETURNED TO WHITEHORSE 359 KM.

No.. Boulder Creek
Date June 26, 2000 Page 01

Resupply & Remobilized
to Camp at Boulder Cr.

359 Km.

Started Tie Line at
4:PM

Staked Post #1 Luck #s
33 & 34 6:PM
Post #1
Luck #33 & #34
1500' L & R
1500' N. W.
June 26, 2000
W. Carrell

Post #1
Luck #35 & #36
1500' L & R
1500' N. W.
June 26, 2000
W. Carrell : Time 7:PM

No.. Boulder Creek
Date June 27, 2000 Page 02

Post #1
Luck #37 & #38
1500' L & R
1500' N. W.
June 27, 2000
W. Carrell : Time 9:00 AM

Post #1
Luck #39 & #40
1500' L & R
1500' N. W.
June 27, 2000
W. Carrell : Time; 10:AM.

Post #1
Luck #41 & #42
1500' L & R
1500' N. W.
June 27, 2000
W. Carrell : 11:AM

No. Boulder Cr.
Date June 27, 2000 Page 03

Post #1
Luck #43 & 44
1500' L & R
1500' N.W.
June 27 2000
W. Carrell : 11:58 AM

Post #1
Luck #45 & #46
1500' L & R
1500' N.W.
June 27, 2000
W. Carrell : 12:50 P.M.

Post #1
Luck #47 & #48
1500' L & R
1500' N.W.
June 27, 2000
W. Carrell : 1:45 PM

No.
Date June 27, 2000 Page 04

145 m N.W. of Post #1 on Common Line of #47 & #48
Quartz in outcrop

Post #2 Luck #47 & 48
Staked : 2:30 PM

No OZ RECON

Date. JUNE 28, 2000 Page. 01

MOBILIZED FROM WATSON LAKE TO FINLAYSON LK.

FLOWN BY BEAVER TO BASE CAMP ON CLEAVER LAKE AT 8:PM

CAMP SET UP BY 1:30

MONSOON RAIN FOR DAY & HALF

TRAVERSED UP TRIBUTARY OF MONEY CREEK AFTER NOON OF 30TH.

NO SAMPLES TAKEN.

No OZ RECON

Date ~~JUNE 31~~ JULY 1, 2000 Page 02

FRED & I TRAVERSED UP CREEK #1 ON WEST SIDE CROSSED AT HEAD OF CREEK TO SOUTH SIDE.

OUTCROP ABOVE #1 CREEK IS RUSTY CHERT & QUARTZ BRECCIA IN CONTACT WITH SERPENTINITE IN THE FOOTWALL & A HORNBLENDE RICH GREENSTONE IN THE HANGING WALL.

WE PACKED OUR TEST SCREENS OVER THE SADLE EAST OF CREEK #1, TO CREEK #3

WE TRAVERSED TO THE HEAD OF CREEK #2, DID SOME TEST PANNING.

RETURN TO CAMP AT 6:PM

ARRIVE IN CAMP 8:45 PM

No. OZ RECON
Date. JULY 2, 2000 Page 03

ERIN & I TRAVERSED TO CREEK #8 EAST OF CREEK #1.

WE CUT ACROSS THE NOSE OF THE RIDGE, OFF THE NORTH END OF THE EAST BLOCK OF NET CLAIMS.

QUARTZ MONZONITE OUTCROPS ALONG THE BASE OF THE RIDGE. THIS IS OVERLAIN BY BIOTITE SCHIST WITH LARGE PIECES OF BULL QUARTZ IN FLOAT ALONG THE RIDGE TOP.

WE TEST PANNED CREEK #8.

SOME MAGNETIC BLACK SAND IN PAN CONCENTRATE.

WE TRAVERSED BACK OVER THE RIDGE TO THE FIRST CIRCE EAST OF #1 CREEK

No. OZ RECON
Date. JULY 2, 2000 Page 04

I PANNED THE CREEK FROM THE CIRCE TO #1 CREEK

SOME MAGNETITE IN PAN CONCENTRATE. NO OTHER MINERALS OF INTREST.

RETURNED TO CAMP 5:PM

No.... OZ ..... RECON .....
Date .. JULY 3, 2000 ..... Page ..... 05 ..

HEAVY RAIN UNTIL NOON.

ERIN & I TRAVERSED SOUTH WEST OF HEAD WATERS OF MONEY CREEK.

TEST PANNED 1ST CREEK S. W OF BASE CAMP LAKE. TO JUNCTION OF CREEK #4.

VERY LITTLE MAGNETITE IN PAN CONCENTRATES. NO OTHER MINERALS OF INTREST FOUND.

RETURN TO CAMP 5: PM

RAIN SHOWERS IN EVENING

No.... OZ ..... RECON .....
Date .. JULY 4, 2000 Page 06

TRAVERSED SOUTH WEST OF BASE CAMP TO CREEK # 9

TEST PANNED THE CREEK TO THE HEAD OF CIRCE.

SOME MAGNETITE BUT NO OTHER MINERALS OF INTREST

NEAR HEAD OF CIRCE GENTLY DIPPING QUARTZ TOURMALINE VEINS CROSS THE CREEK BEDDED IN BIOTITE SCHIST.

RETURNED TO CAMP 6: PM

WEATHER: BROKEN CLOUD WARM

No. OZ RECON
Date. JULY 5th, 2000 Page 07

ERIN & I TRAVERSED UP CREEK #4

TEST PANNING REVEALED SOME MAGNETITE, BUT NO OTHER MINERALS OF INTEREST.

WEATHER: SUNNY & WARM IN MORNING BROKEN CLOUD AFTERNOON

RETURNED TO CAMP AT 6:PM

No. OZ RECON
Date. JULY 6, 2000 Page 08

ERIN & I TRAVERSED TO CREEK # 4

MONSOON RAIN DROVE YOU BACK TO CAMP AT NOON.

WEATHER: HEAVY RAIN COLD

No OZ RECON
Date JULY 7, 2000 Page 09

ERIN & I TRAVERSED TO THE HEAD OF CREEK #5

TEST PANNING RESULTS WERE NEGATIVE.

WE CROSSED THE SADDLE INTO CREEK #7

SOME MAGNETITE IN PAN. NO OTHER MINERALS.

WE TRAVERSED TO THE HEAD OF CREEK #7, CROSSED THE SADDLE TO THE HEAD OF CREEK #6.

BEDROCK FROM THE SADDLE DOWN CREEK #6 IS UNMINERALIZED QUARTZ MONZONITE.

TEST PANNING WAS NEGATIVE.

No OZ RECON
Date JULY 7, 2000 Page 10

THE QUARTZ VEINING REPORTED ON THE OLD REID CLAIMS IS NON EXISTANT.

THE AREA AROUND CREEKS #5, 6 & 7 APPEARS TO BE UNMINERALIZED.

NO FARTHER WORK IS RECOMENDED IN THIS AREA.

RETURNED TO CAMP 6:15 P.M.

WEATHER: BROKEN CLOUD, COOL; SHOWERS IN EVENING.

No. OZ RECON
Date. JULY 8, 2000 Page 11

ERIN & I TRAVERSED UP CREEK #1, CROSSED THE SADDLE TO CREEK #3.

WE TEST SCREENED CREEK #2.

NO MINERALS OF INTREST.

LEFT THE TEST SCREENS AT CREEK #3 FOR TOMORROW'S TEST

RETURNED TO CAMP AT 7:PM

WEATHER: LIGHT SHOWERS IN MORNING & AFTERNOON; WARM. RAIN IN EVENING

No OZ RECON
Date. JULY 9, 2000 Page 12

ERIN & I TRAVERSED UP CREEK #1, CROSSED THE SADDLE TO CREEK #3.

I LEFT ERIN TO TEST #3 CREEK.

I TRAVERSED TO THE TOP OF THE CIRCE SOUTH OF #3 CR.

THE RIDGE TOP IS QUARTZ MONZONITE. THE MOUNTAIN TO THE WEST OF THE CIRCE IS GREY MICACIOUS SCHIST. NO QUARTZ VEINING AT THE CONTACT OF THE INTRUSIVE GRANITE WITH THE SCHIST, OR THE SERPENTINITE IN THE SADDLE BETWEEN CR. #1 & CR. #3

TEST SCREENING IN CR. #3 NEGATIVE.

No. OZ RECON
Date. JULY 9, 2000 Page 13

ERIN & I PACKED THE SCREENS BACK TO CR. #1

WE TEST SCREENED THE TALUS SLOPE FROM THE SERPENTINITE PEAK WEST OF CR #1

NO MINERALS OF INTREST.

WE PACKED THE SCREENS & RETURNED TO CAMP AT 7:30 PM

WEATHER: BROKEN CLOUD, WARM

No. OZ RECON
Date. JULY 10, 2000 Page 14

BROKE DOWN CAMP

PICKED UP BY BEAVER 12: NOON

LEFT FINLAYSON LAKE FOR WHITEHORSE 1:35 PM

DELAID IN ROSS RIVER FOR 2 HOURS.

ARRIVED IN WHITEHORSE 9: PM

WHITEHORSE TO WATSON LK
466 KILOMETERS

WATSON LAKE TO CARMACKS
368 KILOMETERS

CARMACKS TO WHITEHORSE
165 KILOMETERS

TOTAL 999 KILOMETERS

No.....
Date..... Partridge Creek Page.....

July 15 and 18th,

Norm Graham - Discovery Helicopters

SAT. PHONE

(403) 997-0710

Drop off

N 60 06 .341

131 20 .772'

5290

N 60° 04' .991

131° 19' .656

4845 ft.

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

60° 04' ~~.616~~ ~~.633~~

131° 19' .773

526 km round trip.

July 15 - Avalanche traces blocked access approx ½ way in along tote road.

July 18 Returned to complete reconnaissance with chopter

Support in to headwaters Patridge & Gotthard. Worked W and S from west side of creeks.

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

Minor Tourmaline noted in assoc. with ~~fluor~~ quartz veins. Weak tourmalization in some areas. Exposed reaction produces pyritic grasses in metasedimented package. Some area show possible weak zoned pegmatites starting to form.

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

Dyke in Seagull ck. area (Topaz) occurence maybe on west side on valley. At least one is exposed on the ~~At~~ first peak past the end of the trail.

No Fox Property

Date July 27, 2000 Page 01

Morgan & I traversed up Brie Creek to investigate Pyrite & Quartz occurrance, off claim to South. Found too small rusty pieces of quartz float in the creek above the phyllite canyon.

Traced cobble & boulder float train to outcrop on left side of creek. This location uphill from left branch of creek at head of circle.

Samples #OOR-004 & #OOR-005 chipped from mineralized quartz boulders in float train. Mostly sulfides

No Fox

Date July 27, 2000 Pg 02

Sample #OOR-006 chipped across four meters of mineralized quartz outcrop. Mostly sulfides.

Mineralization appears as bands & blebs of pyrite, pyrrhotite & hydroxide up to 50% in part of outcrop.

Mineralization occurs in float nodes on the west side of the main phyllite outcrop.

The phyllite is overlain by turbiditic schist with pyrite cubes in the bedding.

The mineralized showing to 4 meters, is on the south face of the phyllitic intrusive outcrop.

No. Fox Property

Date July 27, 2000 Page 03

THE MINERALIZED OUTCROP ON THE NORTH FACE OF THE PHYLITE SHOULD BE TRENCHED.

THIS OUTCROP MAY BE A VERY LARGE FOLD NOSE.

HOWEVER, OUTCROPPING PHYLITE, DOWN SLOPE TO THE NORTH OF THE SHOWING, IS GENTLY DIPPING TO THE NORTH AT 15°. & DOESN'T APPEAR FOLDED.

APPENDIX B

ROCK SAMPLE REPORT

ROCK SAMPLE REPORT – WADE CARRELL, YMIP 00-040

SAMPLE NUMBER	SAMPLE PARTICULARS	SAMPLE DESCRIPTION	ANALYTICAL HIGHLIGHTS
00R001	Rancheria area (Luck)	Chip sample across 2m of the historic showing that is a mix of dark, fine grained sulfides composed of galena, sphalerite and pyrite.	Sample not submitted for analysis.
00R002	Rancheria area (Luck)	Sample of gypsum (?) or possibly sparry dog-tooth calcite.	Sample not submitted for analysis
00R003	Rancheria area (Luck)	Massive gypsum (?) or clacite vein along schist/limestone contact	Sample not submitted for analysis
00R004	Fox Creek Area (Upper Brie Ck.)	Mineralized float from train on east side of upper Brie Creek	
00R005	Fox Creek Area (Upper Brie Ck.)	Mineralized float from train on east side of upper Brie Creek	
00R006	Fox Creek Area (Upper Brie Ck.)	Chip sample across 4m of quartz-carbonate-sulfide rich zone in outcrop above Brie Creek	Elevated Zn-Pb-Ag.
00R045	Fox Creek Area (Upper Brie Ck.)	Weathered quartz-carbonate-sulfide float, with honeycombed texture.	Elevated Au.
00R046	Fox Creek Area (Upper Brie Ck)	Mineralized quartz rich float.	3092 ppm Cu.
00R047	Fox Creek Area (Upper Brie Ck.)	Quartz rich rubble in scree with massive pyrite and galena.	**20.2 g/tonne Au, 569.7 ppm Ag, 17.54% Pb, 6.45% Zn**
00R048	Fox Creek Area (Upper Brie Ck.)	Oxidized, high grade fracture filling mineralization of massive pyrite and galena from overlying chloritic schist.	**4.54 g/tonne Au and 16.56% Zn.**
00R049	Upper Brie Creek	Quartz boulder with pyrite, chalcopyrite and minor malachite.	3556 ppm Cu with anomalous precious metals
00R050	Upper Brie Creek	Quartz boulder with pyrite, chalcopyrite and minor malachite	1.34% Cu.
00R051	Upper Brie Creek	Clortitic schist with talc alteration atypical of overlying schist.	
00R052	Upper Brie Creek	Pyritic schist with quartz veining.	Elevated Au.
00R068	Fox Creek Area (Upper Brie Ck)	Large bull quartz vein from chloritic schist with minor sulfides and malachite stain.	Elevated Au, Ag and Cu
00R069	Fox Creek Area (Upper Brie Ck.)	Oxidized quartz veining from phyllite	
00R102	Fox Creek Area (Avalanche Ridge)	Quartz rich float with stringers of sphalerite.	**21.38% Zn, 4.44% Pb and 20.8ppm Ag.**

APPENDIX C

CERTIFICATES
OF
ANALYSIS

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

REPORT: V00-01711.0 (COMPLETE)

REFERENCE:

CLIENT: TANANA EXPLORATION

SUBMITTED BY: S. TRAYNOR

PROJECT: FOX

DATE RECEIVED: 08-SEP-00 DATE PRINTED: 18-SEP-00

DATE APPROVED		ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION		EXTRACTION	METHOD
000921	1	Au Wt	Test Weight	37	0.01	GM	FIRE ASSAY	FIRE ASSAY-AA
000921	2	Au30	Gold	37	5	PPB	Fire Assay of 30g	30g Fire Assay - AA
000921	3	AuRew1	Gold Reweighs	1	5	PPB	FIRE ASSAY	
000921	4	AuGrav	Gold (Grav.)	1	0.17	PPM	FIRE ASSAY	FIRE ASSAY
000921	5	Ag	Ag - IC01	37	0.2	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	6	AgGrav	Silver (Grav.)	1	0.7	PPM	FIRE ASSAY	FIRE ASSAY-GRAV
000921	7	Cu	Cu - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	8	Cu	Copper	1	0.01	PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
000921	9	Pb	Pb - IC01	37	2	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	10	Zn	Zn - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	11	Zn	Zinc	5	0.01	PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
000921	12	Mo	Mo - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	13	Ni	Ni - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	14	Co	Co - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	15	Cd	Cd - IC01	37	0.2	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	16	Bi	Bi - IC01	37	5	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	17	As	As - IC01	37	5	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	18	Sb	Sb - IC01	37	5	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	19	Hg	Hg - CV01	37	0.010	PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
000921	20	Fe	Fe - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	21	Mn	Mn - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	22	TE	Te - IC01	37	10	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	23	Ba	Ba - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	24	Cr	Cr - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	25	V	V - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	26	Sn	Sn - IC01	37	20	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	27	W	W - IC01	37	20	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	28	La	La - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	29	Al	Al - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	30	Mg	Mg - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	31	Ca	Ca - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	32	Na	Na - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	33	K	K - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	34	Sr	Sr - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	35	Y	Y - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	36	Ga	Ga - IC01	37	2	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

DATE APPROVED		ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION		EXTRACTION	METHOD
000921	37	Li	Li - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	38	Nb	Nb - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	39	Sc	Sc - IC01	37	5	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	40	Ta	Ta - IC01	37	10	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	41	Ti	Ti - IC01	37	0.010	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	42	Zr	Zr - IC01	37	1	PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	43	S	S - IC01	37	0.01	PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
000921	44	S Tot	Sulfur (Total)	5	0.02	PCT		LECO
000921	45	SiO2	SiO2 - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	46	TiO2	TiO2 - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	47	Al2O3	Al2O3 - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	48	Fe2O3	Fe2O3 - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	49	MnO	MnO - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	50	MgO	MgO - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	51	CaO	CaO - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	52	Na2O	Na2O - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	53	K2O	K2O - IC80	10	0.05	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	54	P2O5	P2O5 - IC80	10	0.03	PCT	BORATE FUSION	INDUC. COUP. PLASMA
000921	55	LOI	Loss on Ignit.- IC80	10	0.05	PCT	Ignition 1000 Deg.	GRAVIMETRIC
000921	56	Total	Wh Rock Total - IC80	37	0.01	PCT		
000921	57	Cr2O3	Cr2O3 - IC80	10	0.01	PCT	BORATE FUSION	INDUC. COUP. PLASMA

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: FOX

REPORT: V00-01535.0 (COMPLETE)

DATE RECEIVED: 09-AUG-00 DATE PRINTED: 21-AUG-00 PAGE 1A(1/10)

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
OOR004		15	0.8	304	53	22	2	79	357	0.5	<5	205	13	0.031	>10.00	56	<10	13	366	8	<20	<20	3	0.19	0.07	0.08	<.01	0.04	2	<1	<2	1	<1	<5	<10	<.010	<1
OOR005		29	3.2	134	4273	2652	2	86	293	4.8	<5	115	11	0.753	>10.00	61	<10	20	380	16	<20	<20	3	0.56	0.34	0.18	<.01	0.07	6	1	<2	6	<1	<5	<10	<.010	<1
OOR006		39	1.5	314	119	52	<1	219	451	0.6	<5	220	18	0.062	>10.00	53	<10	5	244	13	<20	<20	1	0.39	0.29	0.10	<.01	0.02	2	<1	<2	6	<1	<5	<10	<.010	<1

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: FOX

REPORT: V00-01535.0 (COMPLETE)

DATE RECEIVED: 09-AUG-00 DATE PRINTED: 21-AUG-00 PAGE 1B(2/10)

SAMPLE NUMBER	ELEMENT UNITS	S PCT	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT
00R004		>10.00													
00R005		>10.00													
00R006		>10.00													

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: FOX

REPORT: V00-01711.0 (COMPLETE)

DATE RECEIVED: 08-SEP-00 DATE PRINTED: 18-SEP-00 PAGE 1A(1/12)

SAMPLE NUMBER	ELEMENT UNITS	Au Wt1 GM	Au30 PPB	AuRew1 PPB	AuGrav PPM	Ag PPM	AgGrav PPM	Cu PPM	Cu PCT	Pb PPM	Zn PPM	Zn PCT	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
00R045		30.15	205		1.6			78		74	37		<1	65	386	0.9	6	215	12	0.039	>10.00	233	<10	19	141	1	<20	<20	<1	0.07	0.47	1.26
00R046		30.47	9		1.8			3092		41	48		2	38	28	0.3	<5	45	<5	0.025	3.67	1189	<10	37	160	9	<20	<20	5	0.77	2.71	4.73
00R047		15.28	>10000		20.20	>200.0	569.7	3143		>10000	>10000	6.45	<1	203	107	253.6	280	1172	372	0.485	>10.00	86	<10	20	179	1	<20	1008	<1	0.10	0.05	1.84
00R048		30.42	4538		22.2			623		1375	>10000	16.56	<1	58	96	418.5	28	7502	19	0.720	>10.00	525	<10	24	141	1	<20	>2000	<1	0.08	0.43	2.47
00R049		30.46	71		4.6			3556		945	662		<1	28	6	2.2	<5	40	<5	0.012	2.01	57	<10	6	180	1	<20	<20	1	0.10	0.05	0.11
00R050		32.22	53		3.3			>10000	1.34	36	1219		<1	24	11	3.6	<5	61	<5	0.012	2.52	26	<10	15	383	8	<20	<20	2	0.33	0.05	0.16
00R051		30.66	<5		0.9			180		13	87		<1	55	47	0.5	<5	22	<5	<.010	9.31	3976	<10	19	140	55	<20	<20	4	2.76	1.96	>10.00
00R052		31.26	183		5.4			480		43	81		<1	36	45	0.9	8	110	6	0.012	>10.00	18325	<10	28	29	7	<20	<20	<1	0.50	1.29	2.02
00R068		31.41	38		9.1			2944		785	125		3	19	3	<0.2	<5	<5	<5	0.020	1.26	68	<10	3	456	2	<20	<20	<1	0.07	0.09	0.43
00R069		30.16	<5		<0.2			6		20	81		2	17	4	<0.2	<5	<5	<5	<.010	2.44	366	<10	26	73	3	<20	<20	5	0.65	0.89	>10.00

CLIENT: TANANA EXPLORATION PROJECT: FOX

REPORT: V00-01711.0 (COMPLETE) DATE RECEIVED: 08-SEP-00 DATE PRINTED: 18-SEP-00 PAGE 1B(2/12)

SAMPLE NUMBER	ELEMENT UNITS	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT	S Tot PCT	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT
00R045		<.01	0.02	19	2	21	<1	<1	<5	18	<.010	7	>10.00	17.35													
00R046		0.02	0.11	124	5	<2	19	<1	<5	<10	<.010	2	0.68														
00R047		<.01	0.03	72	1	28	<1	<1	<5	19	<.010	8	>10.00	30.48													
00R048		<.01	<.01	33	4	36	<1	<1	<5	28	<.010	10	>10.00	35.68													
00R049		<.01	0.05	3	<1	<2	<1	<1	<5	<10	<.010	1	1.16														
00R050		0.02	0.13	5	2	4	1	<1	<5	<10	<.010	2	1.73														
00R051		<.01	<.01	445	8	12	52	<1	8	<10	<.010	4	1.89		36.38	1.01	6.25	13.86	0.63	3.65	18.96	0.07	<.05	0.36	15.87	97.06	0.02
00R052		<.01	<.01	76	5	32	5	<1	<5	35	<.010	11	1.56		15.96	0.24	1.59	47.95	3.18	2.42	3.07	0.14	<.05	0.11	22.51	97.17	<0.01
00R068		<.01	<.01	12	<1	<2	<1	<1	<5	<10	<.010	<1	0.41														
00R069		0.02	0.13	579	10	<2	10	<1	<5	<10	<.010	1	0.13														

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Geochemical Lab Report

CLIENT: TANANA EXPLORATION
PROJECT: FOX
REPORT: V00-01711.1 (COMPLETE)
DATE RECEIVED: 19-SEP-00
DATE PRINTED: 13-OCT-00

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	Pb PCT	Fe PCT
[redacted]				
R2 00R045				17.44
R2 00R047		>15.00	17.54	21.74
R2 00R048				30.07
R2 00R052				34.97

Bondar Clegg Canada Limited
130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, Canada
Tel (604) 985-0681, Fax (604) 985-1071

BONDAR CLEGG

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: FOX

REPORT: V00-01600.0 (COMPLETE)

DATE RECEIVED: 21-AUG-00 DATE PRINTED: 30-AUG-00 PAGE 1A(1/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Cu PCT	Pb PPM	Pb PCT	Zn PPM	Zn PCT	Zn PCT	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Hg PPM	Fe PCT	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
[redacted]																																		
00R102		28	20.8	314		>10000	4.44	>10000	>15.00	21.38	5	15	92	235.5	<5	27	80	19.540	3.26		24	87	<1	203	6	<20	387	<1	0.13	0.05	<.01	<.01	<.01	1	<1

BONDAR CLEGG

Geochemical Lab Report

CLIENT: TANANA EXPLORATION

PROJECT: FOX

REPORT: V00-01600.0 (COMPLETE)

DATE RECEIVED: 21-AUG-00 DATE PRINTED: 30-AUG-00 PAGE 18(2/ 8)

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT	S Tot PCT	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT
[redacted]																							
00R102		63	2	<1	<5	<10	<.010	<1	9.14														

YUKON ENERGY MINES
& RESOURCES SECRETARY
P.O. Box 2703
Whitehorse, Yukon Y1A 2C6

Figure 1
Partridge Creek
Traverse Location Map

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

Northern Affairs Program | Programme des affaires du Nord

Mineral Rights | Droits miniers

Canada

WATSON LAKE 26 SEPT. 86

94 NOV 92		16 DEC 93	
29 JULY 92 L		03 NOV 97	
27 JAN 92		4 JUNE 97 L	
94 JAN 93		06 MAY 87	
17 APR 91		28 FEB 94	
6 NOV. 90		10 DEC 95	
24 SEPT. 90		07 DEC 95	
4 SEPT. 90		29 OCT 95	
15 AUG. 90		11 JAN 95	
16 JULY 90		10 FEB 94	
31 JAN. 90		03 DEC 93	
5 OCT. 89		22 NOV 93	
3 OCT. 89		16 FEB 93	
19 SEPT. 89		22 FEB 93	
11 SEPT. 89		26 JAN 93	
29 AUG. 89			
16 AUG. 89			
7 AUG. 89			
26 JUNE 89			
16 JAN. 89			
21 OCT. 88			
21 SEPT 88			
29 AUG 88			
21 JULY 88			
19 JULY 88			
24 JUNE 88			
26 APR. 88			
22 FEB. 88			
13 NOV. 87			
22 OCT. 87			
13 OCT. 87			
11 SEPT. 87			
10 AUG. 87			
24 JUNE 87			
5 JAN. 87			
27 OCT. 86			
29 SEPT. 86			

105B-3
QUARTZ & PLACER

LATITUDE 60°00' TO 60°15'
LONGITUDE 131°00' TO 131°30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:31,680

1000 0 1000 2000 METRES
1500 0 1500 3000 4500 6000 7500 9000 10500 FEET

N — MAGNETIC NORTH 31° 42' E

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.

105B-5	105B-6	105B-7
105B-4	105B-3	105B-2

BRITISH COLUMBIA
COLOMBIE-BRITANNIQUE

131° 30' 25' 20' 15' 10' 05' 131° 00'
60° 15' 10' 05' 60° 00'

Smart River
MUNSON LAKE
Goddard Creek
Partridge Creek
Seagull Creek
Pass Creek
SWIFT RIVER
SWIFTHORN
CRESCENT LAKE
BUOY LAKES
SWIFT RIVER
ALASKA HIGHWAY
PIPELINE CORRIDOR
CASSIAR MOUNTAINS
DORSEY RANGE

Observed location of outcrop of dike (possible location of lying accumulate)

Quartz vein pervasively altered to tourmaline

Tourmaline in serpentinite float

Sample 1 Sample 2 Sample 3

Picking Point

BRITISH COLUMBIA | YUKON TERRITORY | COLOMBIE-BRITANNIQUE | TERRITOIRE DU YUKON

105B-3

OZ Traverse Location Map

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

Northern Affairs Program / Programme des affaires du Nord

Mineral Rights / Droits miniers

105G-8
QUARTZ & PLACER

LATITUDE 61° 15' TO 61° 30'
LONGITUDE 130° 00' TO 130° 30'

ISSUED UNDER THE AUTHORITY OF THE MINISTER OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SCALE 1:31,680

1000 0 1000 2000 METRES
1500 0 1500 3000 4500 6000 7500 9000 10500 FEET

SEE ADJACENT MAP SHEET(S) EDGES FOR ADJOINING MINERAL CLAIMS NOT SHOWN ON THIS MAP

N W E S

NOTE:

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TOPOGRAPHY COMPILED FROM 1:50,000 NATIONAL TOPOGRAPHIC SERIES.
CONTOUR INTERVAL 100 METRES.
SURVEY INFORMATION COMPILED FROM LEGAL SURVEYS, BY DRAFTING SERVICES.

105G-10	105O-9	105H-12
105G-7	105G-8	105H-5
105G-2	105G-1	105H-4

Canada

MARCH 10, 2000

WATSON LAKE MINING DISTRICT

130° 30' 25' 20' 15' 10' 05' 130° 00'

R-15 RADC
R-16 RADC
R-16

M O U N T A I N S

Creek

YUKON ENERGY MINES & RESOURCES LIBRARY WHITEHORSE, YUKON Y1A 2C6

105G-8