1) PROPERTY NAME (S):

TYCON
(Mt. Anderson)

2) LOCATION: — General Statement: Near Mt. Anderson south of Wheaton River

Between Becker and Partridge Creeks

Province: Yukon District: Wheaton River Mining Division: Whitehorse

Long: Lat.: Additional:

Accessibility: By helicopter or by 4 WD vehicle via a track up Partridge Creek from the Wheaton River - Annie Lake road.

3) CONCLUSIONS AND RECOMMENDATIONS:

The occurrence of Au-Ag bearing chalcedony in a fracture zone in possibly altered granodiorite in a region of known epithermal mineralization suggests that a high-level epithermal vein deposit may underlie this property (Buchanan, 1981). The fracture zone lies on the extension of a known fracture system to the west which hosts important gold and antimony mineralization (see maps).

Pending encouraging geochem results further work should be undertaken as soon as possible since other major companies (AGIP and Dupont) are active in the area. This work should include VLF surveys, geochem sampling, trenching, and mapping. Such a program could be undertaken this summer without detriment to our existing exploration programs in Yukon.

4) ACTION TAKEN:

In the course of this property exam a new grid was constructed (10.4 km) over an earlier one. VLF and magnetometer surveys were carried out over this grid. One hundred and eight soil samples were collected over the VLF conductors. The existing trench was mucked out to about one metre without reaching bedrock. Seven samples of rusty quartz from the trench were collected for geochem.
5) **SIZE AND LEGAL STATUS OF PROPERTY:**
(Name, number and type of claims)

6) **OWNERSHIP:** (Name, address, phone number, etc.)

   Wally Hyde

7) **VENDOR'S PROPOSED TERMS:**

8) **HISTORY OF DEVELOPMENT AND PRODUCTION:**

   Adjoins the Mt. Anderson property which was first staked in 1906 (?) and worked intermittently ever since. A summary of the history of the latter property is attached.

   In May of 1982 a rough grid was constructed over part of the Tycon claims and a VLF survey carried out. This survey revealed two conductors trending easterly. A small trench was made on the southern conductor but failed to reach bedrock. The best assay result for quartz from the trench was: 

9) **REGIONAL GEOLOGY:** (Attach maps)

   In the Wheaton River area Cretaceous to Tertiary granodiorites have intruded sedimentary rocks of the Mesozoic Laberge and Lewes River Groups and the late Paleozoic Taku Group. These batholiths of the Coast Plutonic Complex were intruded in turn by volcanics of the Tertiary Skukum Group and younger intrusives, mainly rhyolites. The younger rocks were emplaced as caldera complexes.

   Major linears trend northeast, southeast, east, and north.
10) GEOLOGY OF THE DEPOSIT: (Geology, minerology, length, width, dip, strike.)

The property is underlain by hornblende-biotite granodiorite. Amphibolite xenoliths are common. Locally the granodiorite appears altered and crumbly. Light green dykes and stringers of fine-grained intermediate composition intrude the granodiorite. White, chalcedonic, vein quartz is associated with VLF conductors. Slicken sides on frost-heaved fragments are also indicative of shear zones. Unfortunately exposure on the property is relatively poor. Most of it is blanketed by rust-coloured, sandy drift with angular and subangular stones.

A VLF survey over part of the property indicated at least two strong, easterly trending conductors. These are probably shear zones. The orientation of trenches on the Mt. Anderson gold property north of the Tycon claims suggests similarly oriented structures on that property. The magnetic pattern is relatively featureless.

This property lies on the extension of a prominent gold-bearing fracture system above Berney Creek to the west, through the antimony showings of Carbon Hill (i.e.: Yukon Antimony Mine). This fracture system is probably part of a ring fracture system related to caldera collapse.

11) SAMPLES TAKEN: (Note Sample Numbers and refer to Sample Report)

See GCI 3505 (attached).

12) ESTIMATE OF RESERVE POTENTIAL: (State dimensions and source of information)

Unknown
13) REFERENCES:


14) APPENDICES: (To include geology sketch, sampling sketch.) articles in this volume


1. Location Map
2. Claim Map 105 D/3
3. Regional Geology (Fracture System Indicated)
4. Regional Aeromag
5. Archer-Cathro N.C.M.I. Map (Fracture System Indicated)
6. Soil Sample Locations (GCI 3505)
7. VLF Survey
8. Mag Survey
9. Geochem Results
10. Archer-Cathro N.C.M.I. Reports on Nearby, Related, Mineral Occurrences

* Omega M, 1982 survey appended.
If these questions are not answered in the preceding report, answer them here:

1. What are the main geological controls for the mineralization and are these likely to extend, repeat or change:
   (a) on the property:  (b) on nearby properties.

   The principal geologic control on mineralization at Mt. Anderson appears to be quartz-filled fracture systems. These are probably of regional extent. The variety of mineral deposits in the region (Au, Ag, Sb, Cu, etc.) masks the probability that they have a common, epithermal origin. The variation can be explained by depth zonation and level of exposure.

2. If so, should additional property be acquired:  (a) where, and  (b) when — (1. immediately, or 2. after an agreement in concluded).

   Consideration should be given to acquiring more ground after an agreement has been negotiated with Mr. Hyde.

3. Should a geological, geochemical or geophysical program be started on the property or nearby area, and when and where.

   Known conductors should be traced as far as possible by VLF. New conductors should also be sought. Geochem sampling over and downslope from the conductors and bulldozer trenching should be carried out. Detailed mapping should be carried out over Mt. Anderson with special attention to possible alteration, quartz veins, and fracture systems.

4. Are there any clouds on the title which should be resolved before entering an agreement — e.g. liens, Conservation Area, Government concession, mineral rights ownership, environmental, Parks.

   None.

5. Are there any special problems such as water, poor ground, proximity to housing developments, etc., which would make mine development difficult or impossible. Explain:

   None. Access is exceptionally good.

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**SPECIAL INSTRUCTIONS**

Per hour: $300.00

Per mile: $a

Per hour: $930.50

Fuel: $a per gallon

OIL: $7

**TOTAL**: $1089.63

**PILOT'S SIGNATURE**: [Signature]

**BASE**: Whitehorse

**CHARTERER'S AUTHORIZATION**: [Signature]

**Date**: 2783.45

**Chironek (possibly)**
## Yukon Airways LTD

**A** Hangar, Whitehorse, Yukon
Y1A 3E4  PHONE: (403) 668-2427  N° 6276

### Bill of Lading

**Date:** 2 Jun 1982  
**A/C:** CF-OKQ  
**Name:** Wallis Hyde

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### Special Instructions

- 3.0 x $3.00 = $9.00 per hour
- 400 x $0.50 = $200 per mile
- Waiting Time: 1 hour per hour

### Fuel and Other

- **Fuel:** 119.9 x $0.70 = $83.93 per gallon
- **Other:** Oil: 7.5 gallons at $0.50 per gallon

### Total Costs

- **Total:** $990.93

### Signatures

**Pilot's Signature:** ____________  
**Base:** ____________  
**Charterer's Authorization:** ____________

**3783 km Caribou 6489 Chartwork Correcting
YUKON AIRWAYS LTD.
"A" HANGAR, WHITEHORSE, YUKON
Y1A 3E4 PHONE: (403) 668-2107

DATE: 3 Jun 1982  A/C: CF-0KQ
NAME: Wally Hyde
ADDRESS:

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SPECIAL INSTRUCTIONS
- 2.0 @ 300 PER HOUR
- 600 PER MILE
- WAITING TIME @ 5 PER HOUR
- FUEL 140L @ 70¢ PER GAL
- OTHER OIL 5
- TOTAL 703

PILOT'S SIGNATURE
WHITEHORSE BASE
Charterer's Authorization

788 45