ASSESSMENT REPORTS

Whitehorse M.D.

105 D 2,3,6

MAP No.

TYPE OF WORK: Geological, Geophysical, Geochemical, and Trenching

REPORT FILED UNDER	Wheaton River Joint Venture
DATE PERFORMED	July 15-Oct. 1, 1984 **DATE FILED:** April 20, 1985
LOCATION – LAT.	60°10'N
LONG.	135°00'W

CLAIM Nos.

MINI	1-8	YA78667-74	WEST	1-24	YA78960-83
	9-16	YA78984-91	MIL	1-32	YA78711-42
	17-28	YA78683-94	BULLALO	1-12	YA75766-77
	29-32	YA78993-95	MED	1-32	YA78926-87
	33-44	YA78699-710	WHEATON	1-8	YA81535-542

WORK DONE BY G. Macdonald (G. Macdonald and Associates Ltd.).

WORK DONE FOR Wheaton River Joint Venture

REMARKS

The claims are underlain by rocks of varying ages. Paleozoic rocks include schists, gneisses and mafic meta-volcanics. Much of the area is intruded by Cretaceous batholiths. A sequence of Tertiary volcanic flows, breccias and tuffs in which rhyolites and andesites are most common have been cut by numerous steep faults which are thought to represent synvolcanic subsidence fractures. Zones of gold-silver-base metal mineralization are associated with these faults and the felsic dykes which intrude along them. YEx 85 p. 83-85

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Gold and silver occurs in vein systems associated with galena, tetrahedrite, argentite and tellurides. Gangue material is typically quartz and calcite although other carbonates are also present. Precious metals may also occur with chalcopyrite and pyrite in silicified zones within rhyolite tuffs.

The 1984 field season consisted of reconnaissance geological and geochemical prospecting with grid control, followed by bulldozer trenching of favourable areas. Three new gold bearing quartz-calcite-siderite veins were discovered by trenching and four new 'float' occurrences were pinpointed. A sphalerite skarn, crosscut by stibnite-quartz veins, was discovered on the MIN claims. Geochemical surveying has indicated a potentially linear zone of gold-silver mineralization.

Fourteen previously known mineral occurrences were evaluated. Their description and location is as follows:

1. Legal Tender (39), NTS 105 D 6
   Reference: Cairnes (1912, p.112-113).
   Trenching, 30.5m adit. Quartz veins up to 2.13m wide in granitic rocks, assays (1977). Trace to 326 g/t gold and 2204 g/t silver.

2. Mt. Hodnett ('Lucky Boy'), NTS 105 D 6
   Trenching (pre-1927; and 1979). Sphalerite, galena, pyrite in quartz vein in granitic rocks.

3. Gold Reef (36), NTS 105 D 6
Reference: D.I.A.N.D. (1985, p.165), Wheeler (1961, p.123).
Several hundreds of feet underground drifting 1921-27; irregular pockets of sylvanite, gold, galena in quartz vein in granitic rocks.

4. Gold Hill South (35), NTS 105 D 6
Reference: Cairnes (1916, p.43).
1983 discovery. Silicified and carbonatized rhyolite containing tetrahedrite; assayed 761 g/t of silver; local barite float.

5. Gold Hill North (35), NTS 105 D 6
Reference: Cairnes (1916, p.43).
Old pits and shafts trace tetrahedrite-bearing quartz vein in volcánics for a reported length of 305m.

6. Pugh Peak, NTS 105 D 6
Chalcopyrite and molybdenite in float (felsenmeer) near aeromagnetic anomaly; quartz vein float assays 8.57 g/t gold; granitic breccia (?) host rock.

7. Dail Creek, NTS 105 D 6
Trenching (pre-1927); quartz vein 0.23m-0.50m wide; assays reported at 51.7 g/t gold, 538 g/t silver; granitic host rock.

8. McDonald Shaft, NTS 105 D 3
Trenching, 6.1m shaft (pre-1912); gold trace to 5.5 g/t; silver 6.9 to 435 g/t; quartz vein 0.6m wide in granitic rocks.

9. Gopher, Silver Queen, NTS 105 D 3
Trenching (pre-1912); one sample reported: gold 28.8 g/t, silver 17.1 g/t; quartz veins up to 2.13m wide in 'greenstone'.

10. Mt. Stevens (32), NTS 105 D 3
Reference: D.I.A.N.D. (1986, p.70).
Old trenching and underground drifting; tellurides, gold and galena in quartz float boulders in granitic and volcanic float; limited production pre-1927.

11. Stony Mountain (74-OPULENCE), NTS 105 D 2
Reference: D.I.A.N.D (1985, p.165); D.I.A.N.D. (1986, p.75).

12. Millhaven Bay (North) (34), NTS 105 D 2
Reference: D.I.A.N.D. (1982, p.117).
Pre-WWI trenches and short adits; quartz-carbonate veins cutting volcanic rocks carry minor arsenopyrite.

13. Millhaven Bay (South) (34), NTS 105 D 2
Reference: D.I.A.N.D. (1982, p.117).
Adits (to 30.5m long) and trenching from 1900 to 1908; in major E-W fault zone cutting volcanic rocks; grab sample reported 6.9% Cu, 4.6% Pb and 318.8 g/t.

14. Dundalk (66-RAILROAD), NTS 105 D 2
Three short old (pre-WWI) adits and trenches (no assays); copper "staining" (malachite?) reported in sheared and silicified andesitic volcanic rocks; Geochemical anomaly.

The new occurrences include three gold-silver veins. One of these on Gold Hill is traced for 30m and assays from 4.45 - 203.9 g/t Au and 233 - 3325 g/t Ag with a width from 0.5 to 1.0m. Another vein on the Wheaton claims (WHEATON 5,6) is traced in trenches for 11m and assays range 26.7 - 294.8 g/t Au and 51.4 - 144.0 g/t Ag with a width from 0.3 to 0.8m. Another vein is traced for 15m with assays ranging from 21.9 - 41.5 g/t Au and 1199.9 - 1405.6 g/t Ag with a width ranging from 0.17 to 0.3m.

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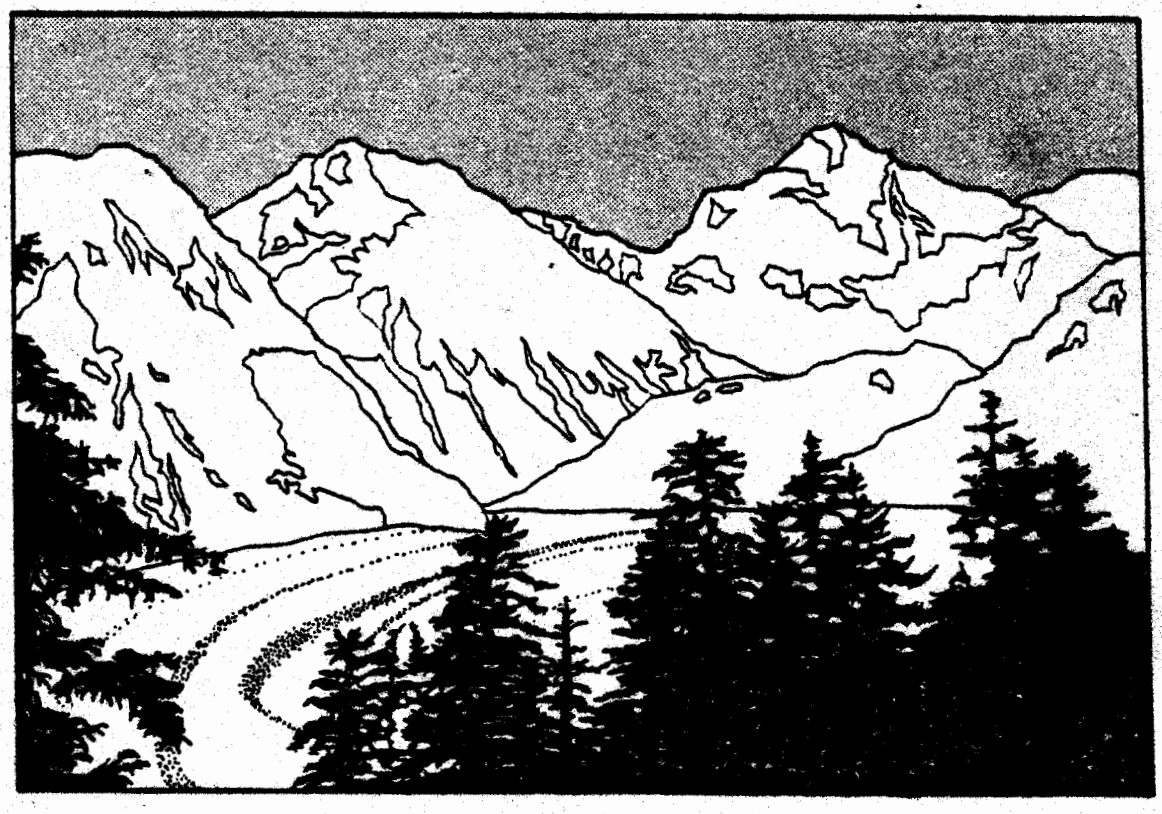
Geological, Geophysical, Geochemical & Trenching Summary Report on

Wheaton River Joint Venture

(NTS 105 D-2 · D-3 · D-6)

for Tally Ho Exploration Ltd.
Euro-Petroleum Corporation
Wesclift Resources Ltd.



G. Macdonald & Associates Ltd.
Whitehorse · Yukon

G. Macdonald, P. Geol.
November 7/84

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SUMMARY REPORT
ON
WHEATON RIVER JOINT VENTURE PROPERTY

(N.T.S. 105 D-2, D-3, D-6)

1984 EXPLORATION PROGRAM

by
G. Macdonald, P. Geol.
G. Macdonald & Associates Limited

November 1984

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 35,775.00

D DEmond

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

TABLE OF CONTENTS

List of Figures

TABLE OF CONTENTS
(Continued)

Page

List of Tables

Appendices

INTRODUCTION

The Wheaton River Joint Venture is a partnership arrangement comprised of Tally-Ho Exploration Ltd., Euro-Petroleum Corp. and Wescliff Resources Ltd., formed to facilitate exploration and development of the precious metals potential of certain claims in southwest Yukon.

This report was prepared on behalf of Wheaton River Joint Venture to summarize its property holdings in the Wheaton River-Lake Bennett district of southwest Yukon and compile results of the 1984 exploration program.

Mineral occurrences and geology were reviewed by the author in conjunction with the report. The author is familiar with the area, having been involved in exploration in the district since 1968.

All public and available private reports and information were reviewed for this report. The report summarizes an exploration program of geological and geochemical reconnaissance, prospecting and bulldozer trenching conducted during 1984 at a cost of approximately $150,000. Field work was managed by G. Macdonald and Associates Ltd. of Whitehorse, Yukon, who provided technical staff and supervised contractors.

SUMMARY

The Wheaton River Joint Venture holds a belt of claims covering an arcuate caldera-subsidence fracture in early (Triassic?) volcanic rocks and Cretaceous granodiorite. The fracture is related to the Mt. Skukum and Bennett Lake resurgent calderas and exceeds 15 miles in length.

Gold and silver may occur with any of galena, tetrahedrite, argentite, tellurides(?), chalcopyrite and pyrite in silicified zones in rhyolite tuffs and in quartz-calcite vein systems.

During the 1984 field season, an exploration program consisting of grid-controlled geological, geochemical and prospecting reconnaissance surveys with initial follow-up bulldozer trenching was completed as a first stage economic evaluation of the properties.

Three new gold-silver bearing quartz-calcite-siderite veins were discovered. Four 'float' mineralization occurrences indicating probable presence of additional gold-silver bearing veins were also located. A sphalerite skarn zone cross-cut by stibnite (antimony)-quartz veining was found on the MIN claims. Gold and silver may also ocur in a silicified and altered limestone (or limestone breccia) on Gold Hill along a limestone - andesite contact associated with a Tertiary volcanic centre.

Several areas moderately to highly anomalous in gold-silver soil content were located by grid soil geochemical surveys. Results obtained suggest a linear source for the anomalies.

PROPERTY

The Wheaton River Joint Venture holds 382 mineral dispositions in the Wheaton River-Lake Bennett district. The claims are located on N.T.S. Claim Sheets 105-D2, 105-D-3 and 105-D-6 and are administered by the District Mining Recorder located in Whitehorse, Yukon.

Crown-granted claims account for three of the mineral dispositions; these are titled units, held upon annual tax payments to the Government of Yukon of $100 per claim. The remaining claims are held as dispositions pursuant to the regulations of the Yukon Quartz Mining Act and require annual work expenditures of $100 per claim to be maintained in good standing.

Property holdings are summarized in Table I of this report, as shown on the following page.

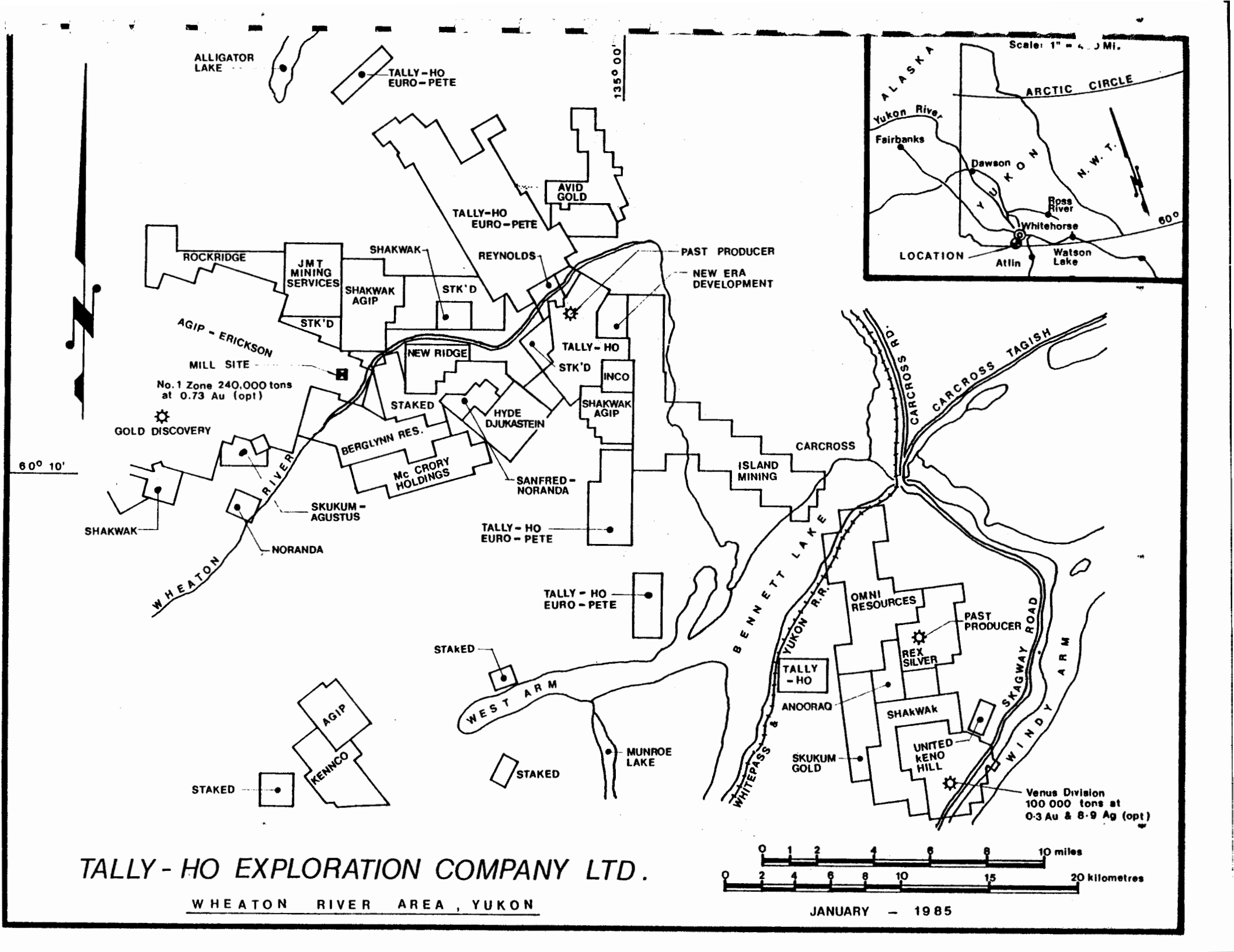
Table I

Mineral Claims

Claim Name	No. of Claims	Record Number	Pending Expiry Date	Claim Sheet
MIN 1-8	8	YA 78667-74	Nov 10/85	105-D-3
MIN 9-16	8	YA 78984-91	Nov 15/85	105-D-3
MIN 17-28	12	YA 78683-94	Nov 10/85	105-D-3
MIN 29-32	4	YA 78993-95	Nov 10/85	105-D-3
MIN 33-44	12	YA 78699-710	Nov 10/85	105-D-3
WEST 1-24	24	YA 78960-83	Nov 15/85	105-D-2
MIL 1-32	32	YA 78711-42	Nov 10/85	105-D-2
BUFFALO 1-12	12	YA 75766-77	Dec 31/85	105-D-3
MED 1-32	32	YA 78926-87	Nov 15/85	105-D-3
WHEATON 1-8	8	YA 81535-42	Apr 11/85	105-D-3
NOT 1-2	2	YA 78958-59	Nov 15/85	105-D-3
CR 1-18	18	YA 78392-409	Nov 14/85	105-D-6
CR 19-88	70	YA 78754-823	Nov 14/85	105-D-6
CR 97-104	8	YA 78824-31	Nov 14/85	105-D-6
CR 107-184	78	YA 78832-909	Nov 14/85	105-D-6
CR 185-192	8	YA 78910-17	Nov 14/85	105-D-6
CR 193-200	8	YA 78918-925	Nov 14/85	105-D-6
HILL 1-8	8	YA 91762-69	Dec 31/87	105-D-6
DAIL 1-8	8	YA 91754-61	Dec 31/87	105-D-6
HILL 1Fr-2Fr	2	YA 74169-70	Oct 13/87	105-D-6
SR 1-7	7	YA 78747-53	Nov 14/85	105-D-6
LT 1-8	8	Y 91770-77	Dec 31/85	105-D-6
BLUEBIRD	1	YA 61622	Oct 28/85	105-D-6
ALBATROSS	1	YA 61621	Oct 28/85	105-D-6

Crown Granted Mineral Claims

Claim Name	Lot Number	Claim Sheet
WHEATON	256A	105-D-3
GOLDEN SLIPPER	257A	105-D-3
SUNRISE	258	105-D-3



TALLY-HO EXPLORATION COMPANY LTD.

WHEATON RIVER AREA, YUKON

JANUARY – 1985

The Wheaton River Joint Venture property forms a narrow belt of claims stretching southeast from Alligator Lake (co-ordinates 60° 23'N / 135° 20'W) approximately 25 miles to Dundalk on Montana Mountain. The northwest end of the claim block is approximately 24 miles southwest of Whitehorse in the Yukon Territory.

The property is accessible via an all-weather gravel road leaving the Whitehorse/Skagway highway from Robinson (mile-point 87) and following up the Wheaton or Watson Rivers for 16 miles. Four-wheel drive trails provide local access on the claims.

The former White Pass Railway crosses the West claims. Helicopters are available from Whitehorse or Carcross (both in the Yukon) to provide charter service for more inaccessible parts of the property.

TOPOGRAPHY AND CLIMATE

Topography

Topographically, the Wheaton River-Lake Bennett district is characterized by a rolling upland peneplain, now deeply dissected by erosion, fringed with rugged, occasionally ice-covered mountains. Maximum elevations range up to 8,000 feet above sea level, with main valley bottoms about 2,000 to 2,500 feet above sea level. Major valleys are presently occupied by large, deep lakes (Lake Bennett) and rivers (the Watson and Wheaton Rivers).

This area has undergone extensive glacial modification, resulting in typical U-shaped sections for most depressions. De-glaciation effects are obvious everywhere, with morainal deposits in the valley bottoms and V-shaped incisions in the valley walls and along the margins of the remnant upland surface.

Climate

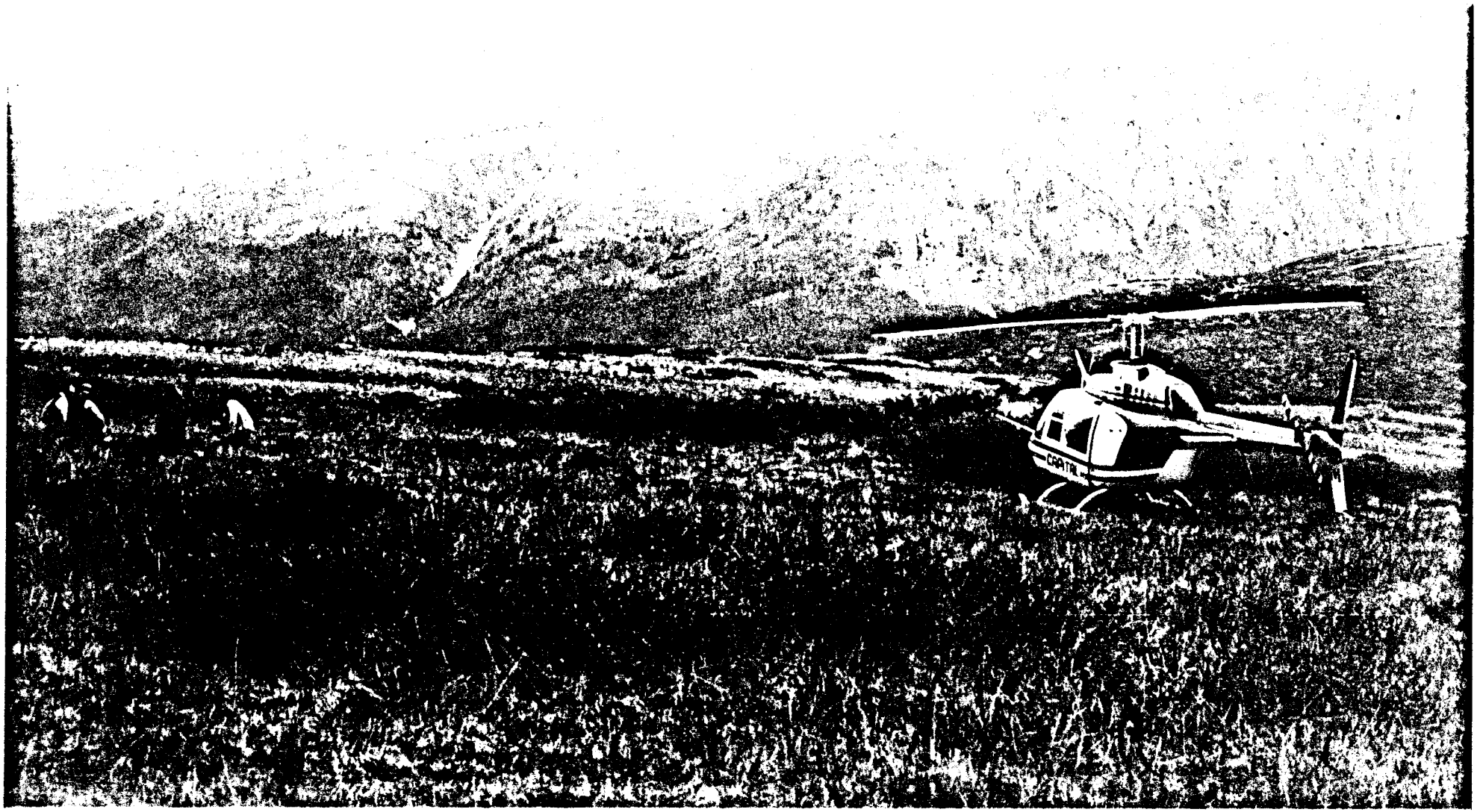
Although no climatic records are available for the property, it is probable that conditions are somewhat similar to Carcross and Whitehorse.

Average annual precipitation is approximately 35 centimeters. Temperatures range from -40°C in winter to 25°C in summer. The area, being 60 to 70 miles inland from the Pacific Ocean at Skagway, Alaska, has a northern climate modified by the coastal influence. Freeze-up occurs in November and break-up has cleared the main lakes and rivers of ice by mid-May. Heavy snowfall occurs on the mountains immediately south and west of the subject claims. Strong winds, predominantly from the south-west, are common in the higher elevations.

HISTORY AND OTHER WORK

The Wheaton River-Lake Bennett gold-silver district occupies a triangular-shaped, 300 miles-square area of southwest Yukon. This region is bounded on the south by the BC/Yukon border, on the west by 135 minutes 30 degrees longitude and on the east a line running northwest from 134 minutes 30 degrees west on Windy Arm to Ibex Mountain (60 minutes 30.5 degrees north / 135 minutes 30 degrees west). The area is 60 to 70 miles inland from the Pacific Ocean near Skagway, Alaska.

The Wheaton River-Lake Bennett district was initially explored in the early 1890's by prospectors from Juneau, Alaska. Claims were first recorded from the area by prospectors Corwin and Rickman in 1983. These men died in Juneau without revealing the exact locations of their discoveries of gold, silver and antimony ores. Stampeders going to the Klondike goldfields in 1896-98 passed through the area, crossing Lake Bennett, and numbers of these men and women examined various portions of the district. Numerous small gold and silver occurrences were found by 1903, on which claims were developed, particularly in the Schnabel Creek area. A significant discovery in 1906 of gold and gold-telluride bearing quartz veins on Gold Hill led to a staking rush with over 700 claims being staked that year. On Montana Mountain, several properties were undergoing advanced exploration programs by 1906, mainly under the direction of Col. J.H. Conrad. A small town, Conrad, was build to service the area and, in addition to many hundreds of feet of underground drifting on some properties, aerial tramways were constructed to provide access from the mountain top to the lake shore. A small concentrator was placed in production by 1908 at the Venus Mine and ore shipments were initiated from several other



nearby deposits to outside smelters. Limited production of high-grade gold and silver lead ores also occurred from workings at Gold Hill, Mt. Stevens and Mt. Anderson in the Wheaton River valley before 1914. A small waterwheel powered stamp mill was operated for a time on Becker Creek.

Most of the Wheaton River-Lake Bennett camp was idled by the First World War. With the exception of operations at the old Tally-Ho Mine, the level of activity remained quiet in the district, with only occasional spurts of development work occurring. The Tally-Ho Mine, between 1918 and 1921, reportedly produced about 10,000 tons of hand-sorted high-grade gold and silver ore which was shipped to the smelter at Tacoma.

Additional development work was conducted by the Tally-Ho group on other prospects in the vicinity until gold exploration became financially unattractive by 1927.

The next significant phase of exploration in the Wheaton River-Lake Bennett area did not occur until the 1960's when properties were developed and eventually placed into production as the Arctic Gold and Silver Mine and Venus Mine on Montana Mountain. Following the closure of these operations by 1971 due to low metal prices, only general exploration for porphyry copper-molybdenum and uranium deposits occurred until the Venus Mine was briefly rehabilitated during 1980-81 and a new mill installed.

During 1982 to 1984 the Wheaton River-Lake Bennett district again became active as a region for gold and silver exploration. A review of known deposits, coupled with a better understanding of local geology and a different interpretation of the genesis of epigenetic precious metals deposits,

led ultimately to new discoveries of gold and silver in the area. Projects operated by AGIP Canada and Tally-Ho Exploration Ltd. located significant occurrences of gold and silver mineralization by 1983, and a staking rush to the area ensued during the fall and winter of 1983-84, when in excess of 3,000 claims were acquired. Companies active or holding property in the area include AGIP Canada (Erikson Gold Joint Venture), United Keno Hill Mines, Tally-Ho Exploration Ltd., Kennco, Inco, Shakwak Exploration Co. Ltd., Euro-Petroleum, Noranda Exploration Co. Ltd., Chevron-Armco, Avid Gold Inc., Island Mining, Berglynn Resources, New Era Developments Ltd., JMT Mining Services, McCrory Holdings Ltd., and BRX Mining and Development.

Total exploration and development expenditures for the area are expected to exceed $5 million during 1984. The largest programs are being operated at Mt. Skukum by AGIP-Erikson (Mt. Skukum Gold Mining Co. Ltd.), Venus Mine by United Keno Hill and Tally-Ho Mountain-Gold Hill by Wheaton River Joint Venture (Tally-Ho Exploration and Euro-Petroleum). The most significant discovery to date is the Mt. Skukum gold deposit, conservatively reported at 165,000 tonnes grading 0.73 ounces of gold per ton (diluted). The Venus Mine is presently reported to have reserves of 80,000 tons grading 0.26 ounces gold and 8.5 ounces of silver per ton. Both deposits are open to extension.

A decision has recently been made to place the Mt. Skukum deposit into production at an initial rate of approximately 300 tons per day. Encouraging results are currently being reported from exploration during 1984 at the Venus Mine.

REGIONAL GEOLOGY

The Wheaton River-Lake Bennett area is included on NTS map sheet 105-D, relevant portions of which have been mapped twice by the Geological Survey of Canada. D.D. Cairns published his investigations of the area as GSC Memoir 31 in 1912 and J.O. Wheeler produced GSC Memoir 312 (Whitehorse Map Sheet) in 1961.

The Wheaton River-Lake Bennett district is sited along the eastern margin of the Cretaceous Coast Range intrusive complex. Rocks of this unit, typically fresh, quartz monzonite or quartz diorite, are commonly exposed in much of the region. The oldest stratified rocks present in the district are pendants and masses of Yukon Group quartz mica schists and gneisses and crystallized limestone. These units are probably early Paleozoic in age. Pennsylvannian-Permian meta-volcanic rocks are present in this eastern margin of the district, near Windy Arm and perhaps along Gray Ridge. A complex assemblage of volcanic rocks occurs throughout the district. Some older andesitic, basaltic and rhyolitic flows and associated pyroclastic rocks, variously mapped as Hutshi Group, Mt. Stevens Group and Lewes River Group, are probably Triassic or Cretaceous in age. These lithologies typically exhibit regional propylitic alteration and occupy a similar stratigraphic setting where exposed on Montana Mountain, Tally-Ho Mountain-Gold Hill, and Mt. Skukum. A younger series of andesite and rhyolite flows, tuffs and agglomerates mapped as the Mt. Skukum Group overlies the older volcanics at Mt. Skukum, Mt. Macauley and Gold Hill. These lithologies are internally very complex and typically change composition rapidly over short distances horizontally and vertically.

The Mt. Skukum volcanics are a product of Tertiary volcanism and represent part of the Sloko 'province' of similar volcanic activity, south of Atlin, B.C. Late Tertiary rhyolite porphyry dykes and stocks intrude all older rocks in the Wheaton River-Lake Bennett district.

The area is structurally complex on a local scale but rather less complicated in the regional sense. Unconformities separate most of the stratified lithologies. Typically, sedimentary and older flow rocks exhibit a preferred northwest orientation. Major fault structures tend to be associated with caldera subsidence and collapse at Mt. Skukum, Mt. Macauley, Gold Hill and Montana Mountain. Other larger faults are generally block-faults, some of which may be coeval with the Tertiary volcanism. Some of the late Tertiary rhyolite porphyry dykes were emplaced in ring-fractures.

Regional geology is summarized in Table 2 (Table of Formations) and presented as Figure 3 (Geology Plan) of this report.

Table 11

Table of Formations

TERTIARY SKUKUM GROUP	Trp	Stocks, plugs and dikes of quartz and feldspar porphyry with aphanitic rhyolitic matrix. Some granite porphyry; some intermediate plugs and dikes.
	eTva	Rhyolite and trachyte breccias, tuffs and flows; some felsic plugs and dikes (Trp).
	eTvb	Andesite and basalt tuffs, flows and breccias; minor greywacke at base.
CRETACEOUS	Kgdm	Coarse grained equigranular biotite hornblende granite; granodiorite-quartz monzonite. Includes undifferentiated Trp and Tgqm
JURASSIC TANTALUS FM	JWP	Greywacke, arkose, quartzite, siltstone and argillite; minor conglomerate;
TRIASSIC LEWES R. GROUP	uTrvb	Basalt and andesite flows and flow breccias; augite and/or feldspar porphyry locally.
CAMBRIAN YUKON GROUP	PPsbq	Quartz-mica, quartz-chlorite schist and quartzite; minor amphibolite, feldspathic gneiss.

PROPERTY GEOLOGY

The Wheaton River Joint Venture claim groups are underlain by a complex assemblage of stratified and crystalline (plutonic) rocks which have been intruded by a series of much younger volcanic lithologies. The axis of the property covers a major caldera subsidence ring fracture system peripheral to resurgent volcanic centres at Mt. Skukum and Bennett Lake.

The oldest rocks occurring on the property are andesite and basalt flow rocks and their pyroclastic equivalents of probable Triassic age. Minor rhyolite tuff is interfingered with this assemblage in lenses of up to 10 meters thickness. A thin-bedded limestone and limestone breccia unit is present near the base of the andesite lithology and may be a member of this sequence. Where observed in trenches, the limestone-andesite contact is marked by up to one meter of pyritic graphite. The limestone is probably less than 100 meters thick. Regional alteration and deformation of the basalt and andesite members of this unit have imparted a widespread schistosity and brittle fracture to the rock.

A second "older" volcanic sequence, of uncertain age, comprised of andesite, latite and rhyolite flows and associated pyroclastic rocks, is present stratigraphically above(?) the Triassic assemblage. This sequence is characterized by regional propylitic alteration of the andesite flows and local internal fracturing and faulting. The assemblage has been variously mapped as Hutshi series, Triassic Lewes River Series and Lower Skukum Group Volcanics in different parts of the Wheaton River-Bennett Lake district.

Cretaceous plutonic rocks of the Coast Ranges complex are present intruding the older stratified units. Typically, granitic rocks are medium to coarse grained biotite-hornblende granodiorites. The lithology is fresh and equigranular, with occasional gneissic and pegmatitic phases.

Early to mid Tertiary volcanic rocks including rhyolite, trachyte and andesite breccias, flows and tuffs and occasional felsic plugs and dikes (feeders?) overlie the older stratified units at Mt. Skukum and Bennett Lake. These two complexes mark major resurgent volcanic centres. Eruptive centres (vents and associated hydrothermal breccias) of the Skukum series complexes have intruded the older volcanics along the arcuate ring fracture crossing the Wheaton River Joint Venture claims. Intense hydrothermal alteration of host rocks has occurred proximal to vents, suggesting the passage of large volumes of fluids through the system. Limestone lithologies have been partly or wholly silicified on Gold Hill where andesite breccias have been cemented with chalcedonic quartz. Jasper, barite, fluorite and tetrahedrite are accessory minerals in this vicinity. Some of the silicified limestone returned assays ranging from 0.10 to 0.20 oz/ton Au.

ECONOMIC GEOLOGY

The Wheaton River Joint Venture claims are underlain by a geological environment favourable to contain deposits of gold and silver mineralization. Historically, some 14 occurrences of gold or gold-silver have been partially explored or identified on the property. Underground development (adits and shafts) or surface trenching have been the traditional tool employed by earlier operators in this region to the mineral occurrences. An inventory of presently known mineral occurrences on the Wheaton River Joint Venture property is presented in Table 3.

Table III

Mineral Occurrence Summary

1. Legal Tender, NTS 105-D-6

   Trenching, 100' adit. Quartz veins up to 7' wide in granitic rocks, assays (1977). Trace to 9.52 OPT gold and 64.44 OPT silver.

2. Mt. Hodnett ("Lucky Boy"), NTS 105-D-6

   Trenching (pre-1927; and 1979). Sphalerite, galena, pyrite in quartz vein in granitic rocks.

3. Gold Reef, NTS 105-D-6

   Several hundreds of feet underground drifting 1921-27; irregular pockets of sylvanite, gold, galena in quartz vein in granitic rocks.

4. Gold Hill South, NTS 105-D-6

   1983 discovery. Silicified and carbonatized rhyolite containing tetrahedrite; assayed 22.2 OPT of silver; barite float occasionally.

5. Gold Hill North, NTS 105-D-6

   Old pits and shafts trace tetrahedrite-bearing quartz vein in volcanics for a reported length of 1000+ feet. Old Crown Grants pre-1921.

6. Pugh Peak, NTS 105-D-6

Chalcopyrite and molybdenite in float (felsenmeer) near air mag anomaly; quartz vein float assays 0.25 OPT gold; granitic breccia(?) host rock.

7. Dail Creek, NTS 105-D-6

Trenching (pre-1927); quartz vein 8-20 inches wide; assays reported at 1.51 OPT gold, 15.7 OPT silver; granitic host rock.

8. McDonald Shaft, NTS 105-D-3

Trenching, 20' shaft (pre-1912); gold trace to 0.16 OPT; silver 0.20 to 12.7 OPT; quartz vein 24" wide in granitic rocks.

9. Gopher, Silver Queen, NTS 105-D-3

Trenching (pre-1912); one sample reported: gold 0.84 OPT, silver 0.50 OPT; quartz veins up to 7' wide in "greenstone".

10. Mt. Stevens, NTS 105-D-3

Old trenching and underground drifting; tellurides, gold and galena in quartz float boulders in granitic and volcanic float; limited production pre-1927.

11. Stony Mountain, NTS 105-D-2

12. Millhaven Bay (North), NTS 105-D-2

Pre-WW1 trenches and short adits; quartz-carbonate veins cutting volcanic rocks carry minor arsenopyrite.

13. Millhaven Bay (South), NTS 105-D-2

Adits (to 100' long) and trenching from 1900 to 1908; in major E-W fault zone cutting volcanic rocks; grab sample reported 6.9% Cu, 4.6% Pb and 9.3 OPT Ag.

14. Dundalk, NTS 105-D-2

Three short old (pre-WW1) adits and trenches (no assays); copper "staining" (malachite?) reported in sheared and silicified andesitic volcanic rocks. Geochem. anomaly.

The geology underlying the Tally-Ho Wheaton River-Lake Bennett district claims includes a series of stratified and crystalline rocks intruded by younger volcanic lithologies. Mid-Tertiary to late-Tertiary Skukum series volcanic rocks have been emplaced in an early collapse-caldera structure(?) peripheral to volcanic centres at Mt. Skukum and Bennett Lake. The late volcanics are present as breccia pipes or vents and sills and dikes. Fluids associated with the volcanic activity have filled fractures, generally parallel or perpendicular to the major fracture orientation with quartz or quartz-calcite veining and caused moderate to intense alteration (sericite, calcite) of host rocks.

An earlier (Triassic?) limestone/rhyolite tuff assemblage has locally been intensely silicified on Gold Hill and Wheaton Mountain.

Gold and silver mineralization, consisting of tetrahedrite +/- telluride(?) or electrum(?), +/- native gold, argentite-tetrahedrite and galena-electrum +/- telluride assemblages, occurs in various modes. The argentite-tetrahedrite mineralization is present in a strata-bound silicified rhyolite on Wheaton Mountain, while the other assemblages are restricted to discordant quartz or quartz-calcite veins on Mineral Hill, Gold Hill, Tally-Ho Mountain and Mt. Stevens. Most of the veins are steeply dipping in an orientation sub-parallel to the arcuate trend of the major caldera subsidence fracture system. Several veins reporting minor visible gold over widths up to one meter for lengths of 10-50 meters assay on average approximately 0.6 oz/ton Au, while assays of 2-5 oz/ton Au are reported from galena-rich (to 10% Pb) portions of different veins up to one meter for indeterminate lengths. The reason for these initial results is not understood, but multiple-stage

mineralizing events may be the cause. The absence of visible gold in samples reporting high assays suggests that gold is present in a discrete gold-silver mineral. H.V. Warren has identified tellurides in an old adit on Mt. Stevens, and electrum is present at Venus Mine on Montana Mountain.

A silicified limestone lithology (part of the Triassic(?) andesite unit) on Gold Hill carries gold and silver values (from trace to 0.68 oz/ton Au and trace to 18.5 oz/ton Ag) in several grab samples containing minor tetrahedrite in micro-crystalline quartz veinlets. Host rhyolite (?) volcanics in this vicinity are intensely altered.

The vein systems are not well understood at present; however, they seem to be strongly structurally controlled and persist along strike with minor post-mineralization normal faulting complicating the geology to some extent. It is also not presently known what portion of any individual vein may be mineralized.

Most of the known gold-silver occurrences on the property were examined as a part of the present program. In addition, some seven potential new mineralized showings were located by prospecting and follow-up of anomalous soil geochemical sample results during 1984. These are discussed separately below.

1. <u>Gold-Silver-Lead Quartz-Calcite Vein (Gold Hill)</u>

Centred approximately 6,700 N - 5050 E. A vein up to one meter wide is exposed by outcrop and hand trenches for a length of approximately 30 meters. Three samples, spaced approximately 8 meters and 24 meters apart, assayed as follows:

Location	Oz/T Au	Oz/T Ag	% Pb	Width
0	0.3	16.2	3.76	0.48 meter
8	5.95	97.0	6.48	1 meter
30	0.13	6.8	-	0.6 meter

See Figure 12 for the vein location

2. Gold-Silver Quartz Vein - Wheaton 1-8 Claims

A north-west striking quartz vein is exposed by three trenches and float for a length of 30 meters. At either end, overburden covers the extension of the zone. Wall rocks are Skukum series intrusive volcanic rocks ('quartz-eye' rhyolite porphyry) and Triassic(?) andesite. A sketch of the occurrence is present as Figure 20 of this report. Assays are as follows:

Location	Oz/T/Au	Oz/T/Ag	% Pb	% Cu	Width
0 NW trench	8.6	4.2	-	0.3	0.3 m
8 m NW trench	0.78	1.46	-	-	0.8 m
10m NW trench	3.4	2.4	1.32	-	0.66 m
11m NW trench	4.2	1.86	0.18	-	0.5 m

3. Buffalo Hump Gold-Silver Vein

Prospecting follow-up to a gold soil geochem anomaly led to the discovery of a quartz-calcite vein striking approximately west and carrying visible gold. Bulldozer trenching subsequently extended the zone and exposed a substantial width of mineralized material. Permafrost precluded a complete evaluation of the vein during 1984 and it will have to thaw before physical width and length can be determined. The stripping during 1984 will facilitate an early examination of the zone during 1985. Initial assays (before bulldozer trenching) are as follows:

Location	Oz/T Au	Oz/T Ag	Width
0 W	1.21	35.0	0.17 m
15 W	0.64	41.0	0.3 m

Float mineralization was found in geochemical follow-up or prospecting in four locations on Gold Hill and Hodnett Mountain. Lateness of the season precluded additional exploration of these targets, but they should provide additional high-grade veins when opened up during 1985.

The samples are typically quartz-calcite veins with up to 10% sulphides (pyrite, galena, chalcopyrite and tetrahedrite).

A summary of the Buffalo Hump occurrences is presented as Figure 22 of this report.

4. Grid 2100 N Area - Gold Hill

The 2100 N geochemical anomaly is underlain by limestone and andesite units intruded by Cretaceous granites.

Contacts are irregular, but generally strike Northwest and dip steeply to the southwest.

Tetrahedrite in present in silicified and/or stockwork float material in the limestone 100 to 200 meters along strike (?) from an old shaft and pits located approximately 19+00N/49+00 E. A linear silver/lead geochemical anomaly traversing the 2100 N grid in a North 10°-20° west orientation may reflect the extension of this float mineralization, but no outcrop is present locally to determine the cause of the soil geochemical response.

5. Silver Zone

Quartz-calcite vein float material areas located approximately grid 33+00 to 34+00N/50+00E in a region of frost-heaved felsenmeer.

Samples of this material returned assays of 22.2 and 18.6 ounces of silver per ton in one location and 38.8 ounces of silver per ton Ag from a site 50m futher north west. This mineralization consists of tetrahedrite, galena and pyrite in quartz-calcite veins of veinlets in a rhyolite or limestone host. No vein widths were observable and no outcrop is present. Underlying stratified rocks are indicated by felsenmeer to be a combination of limestone rhyolite and andesite. A granite contact, running approximately North 30° West for the length of Gold Hill, is present within 200 meters south from the float.

6. Tetrahedrite at Head of Dawson Charlie Creek

Tetrahedrite float was discovered at approximately 5500N/4500E. This mineralization consisted of leached quartz vein debris in an area underlain by granite rocks. Veining may be related to local north 40°-50° east striking shear zones running sub-parallel to the upper right fork of Dawson Charlie Creek where observed along the creek, these shears are typically shallow, linear depressions, containing grayish clay gouge. Actual shear widths are indeterminable without additional exposure by bulldozer trenching.

SOIL GEOCHEMICAL SURVEYS

Soil geochemical surveys were conducted on four grids on Gold Hill and on parts of the Med 1-32 and Buffalo 1-12 claim groups.

Grids consisted of chained and picketed cross lines controlled by a surveyed, chained base line. On the Gold Hill grids, cross lines were located at 100 meter intervals with co-ordinate marked pickets placed at 10 or 20 meter intervals along section. The grids on the Med and Buffalo claims were established to facilitate exploration in specific areas, and section and station spacing were selected accordingly.

Soil samples were collected from the 'B' horizon, where possible, by digging with a mattoch. Samples were placed in Kraft sample bags which were marked with the location co-ordinates and submitted to Rossbacher Laboratory in Burnaby, B.C. for analysis. Elements tested for were gold, silver, lead and sometimes copper. Geochemical results are presented in plans accompanying this report. Scales are as noted on the diagram.

Discussion of Soil Sample Results

Soil geochemical surveys were conducted on a selective basis in several areas on Gold Hill and Tally-Ho - Wheaton Mountain. Table IV summarizes the geochemical responses obtained in the 1984 program and used to direct exploration:

Table IV

Geochemical Response

Element	Background	Threshold	Anomalous
Au	0-10 PPB	0-30 PPB	> 30 PPB
Ag	0.2-0.1 PPM	0-6-1.0 PPM	> 1 PPM
Pb	6-20 PPM	20-60 PPM	> 60 PPM
Cu	10-24 PPM	24-56 PPM	> 56 PPM

Comments on results from individual grids follow:

(i) 2100N Grid

Gold content in soils in the tested area is erratically anomalous, with a generally North 10°-20° west trend. An extremely anomalous result of 520 ppb was obtained at 2300N/4880E.

Silver content at the 2100N Grid is strongly anomalous in a linear anomaly reaching approximately North 10° west from 2000N / 4940E to 2400N / 5000E, a distance of over 400 meters. A lead anomaly is present coincident with the silver anomaly.

(ii) 3200N Grid

Gold content of the 3200N soil grid is erratically anomalous in a generally north 30° west orientation. Most anomalous gold reponses are located west of 5000E, with a peak value of 360 ppb at 3300N /4970E. Silver and lead exhibit a minor coincident anomalous region on the south-west part of the grid.

(iii) 4500N Grid

Gold content is anomalous at two stations on the 4500N Grid. A peak value of 310 ppb was obtained from 4400N / 50 + 10 E and a weakly anomalous response of 30 ppb reported from 4530N /5070E. This grid seems to be underlain by a highly altered "cap rock" lithology. No anomalous silver or lead results were obtained on the 4500N Grid.

(iv) North Grid

Soil geochemical samples were taken along sections 6100N and 6300N. Anomalous gold and silver results were obtained on both lines, mostly east of the 50 + 00E base line. Peak values of 80 ppb gold (6300N / 5040E) and 5.9 ppm silver (6300N / 5030E) were obtained. The anomalous response is generally coincident on section 6300N.

1984 Trenching Program

A program of bulldozer trenching was conducted to map geology in selected areas and follow-up some geochemical anomalies. A D-7F Caterpillar bulldozer was utilized for trenching and access road construction.

Plan summaries of CR claims trenches are presented as Figures 5, 6 and 10 of this report.

A shear zone located on CR 60 was trenched by crews supplied by McCrory Holdings. Blast trenches were cut across a leached cap on the shear; no mineralized quartz was discovered.

CONCLUSIONS

Gold and silver mineralization occurs in several modes with accessory minerals, variably galena, tetrahedrite, tellurides(?), electrum(?), chalcopyrite and pyrite. No deleterious elements (arsenic or antimony) have been found to date. The style of mineralization observed to date suggests that the depositional environment was a typical hot springs replacement and veining event.

Several veins containing gold and silver in relatively high amounts (up to 6 oz/ton Au and 155 oz/ton Ag) have been found and partially explored to date. Additional exploration is warranted on the Wheaton River Joint Venture property to evaluate known mineralized vein systems and to explore for additional mineral occurrences.

Soil geochemical surveys completed to date have identified several areas anomalous in gold and silver content. Additional exploration is required to identify the source of the gold and silver mineralization.

RECOMMENDATIONS

Additional exploration is warranted on the Wheaton River Joint Venture property. In particular, results to date are most encouraging on Gold Hill and Buffalo Hump/Mt. Stevens-Wheaton Mountain. A program to evaluate presently known targets, and explore adjoining areas, is recommended as follows:

Survey Control Grid	$ 15,000.00
Geological Mapping & Examination	50,000.00
Geophysical Survey	10,000.00
Geochemical Survey	25,000.00
Bulldozer Trenching	20,000.00
Diamond Drilling 3,000 ft. @ $40/ft.	120,000.00
Miscellaneous	10,000.00
Total	$ 250,000.00

Respectfully submitted,

G. Macdonald, P. Geol
Manager

FIG. 3

Tally - Ho
Exploration Company, Limited
205 Rogers Street, Whitehorse, Yukon Y1A 1X1

SHAKWAK
EXPLORATION COMPANY LIMITED
205 Rogers Street, Whitehorse, Yukon Y1A 1X1

SHEET 105D-6

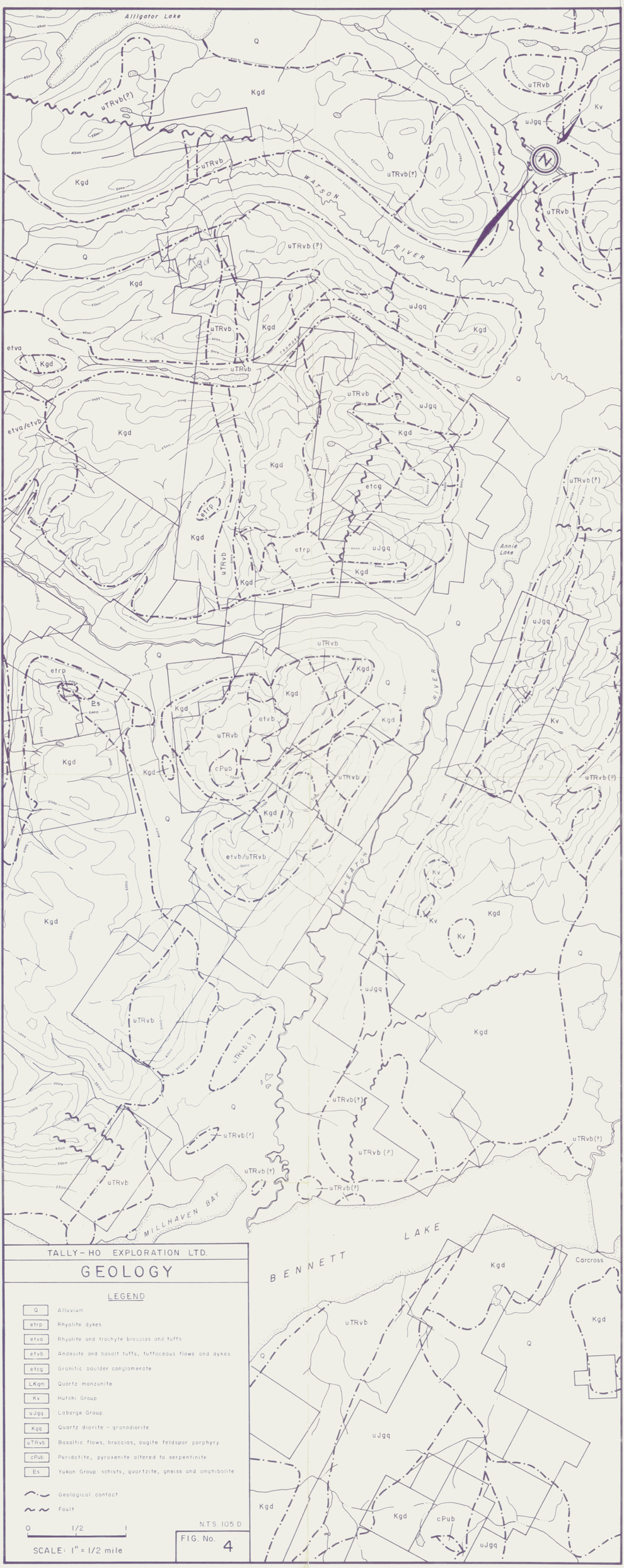
SHEET 105D-7
LATITUDE 60° 15' TO 60°30'
LONGITUDE 134°00'TO 135°00'
ROBINSON
CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION BRANCH
RESOURCES DIVISION
SCALE - ½ MILE To 1 INCH
ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

SHEET 105D-4
LATITUDE 60°00' TO 60°15'
LONGITUDE 132°30'TO 133°00'
PRIMROSE LAKE
CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION BRANCH
RESOURCES DIVISION
SCALE - ½ MILE To 1 INCH
ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES

SHEET 105D-3
LATITUDE 60°00' TO 60°15'
LONGITUDE 133°00' TO 133°30'
WHEATON RIVER
CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION
SCALE - ½ MILE To 1 INCH
ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES

SHEET 105D-2
QUARTZ & PLACER
LATITUDE 60° 00' to 60° 15'
LONGITUDE 134° 00' to 133°30'
SCALE 1:31,680
ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF
INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

STRIPE



TALLY-HO EXPLORATION LTD.

GEOLOGY

LEGEND

Q	Alluvium
etrp	Rhyolite dykes
etvq	Rhyolite and trachyte breccias and tuffs
etvb	Andesite and basalt tuffs, tuffaceous flows and dykes
etcg	Granitic boulder conglomerate
LKqm	Quartz monzonite
Kv	Hutshi Group
uJgq	Laberge Group
Kgq	Quartz diorite - granodiorite
uTRvb	Basaltic flows, breccias, augite feldspar porphyry
cPub	Peridotite, pyroxenite altered to serpentinite
Es	Yukon Group schists, quartzite, gneiss and amphibolite

Geological contact

Fault

0 1/2 1

SCALE: 1" = 1/2 mile

N.T.S. 105 D

FIG. No. 4

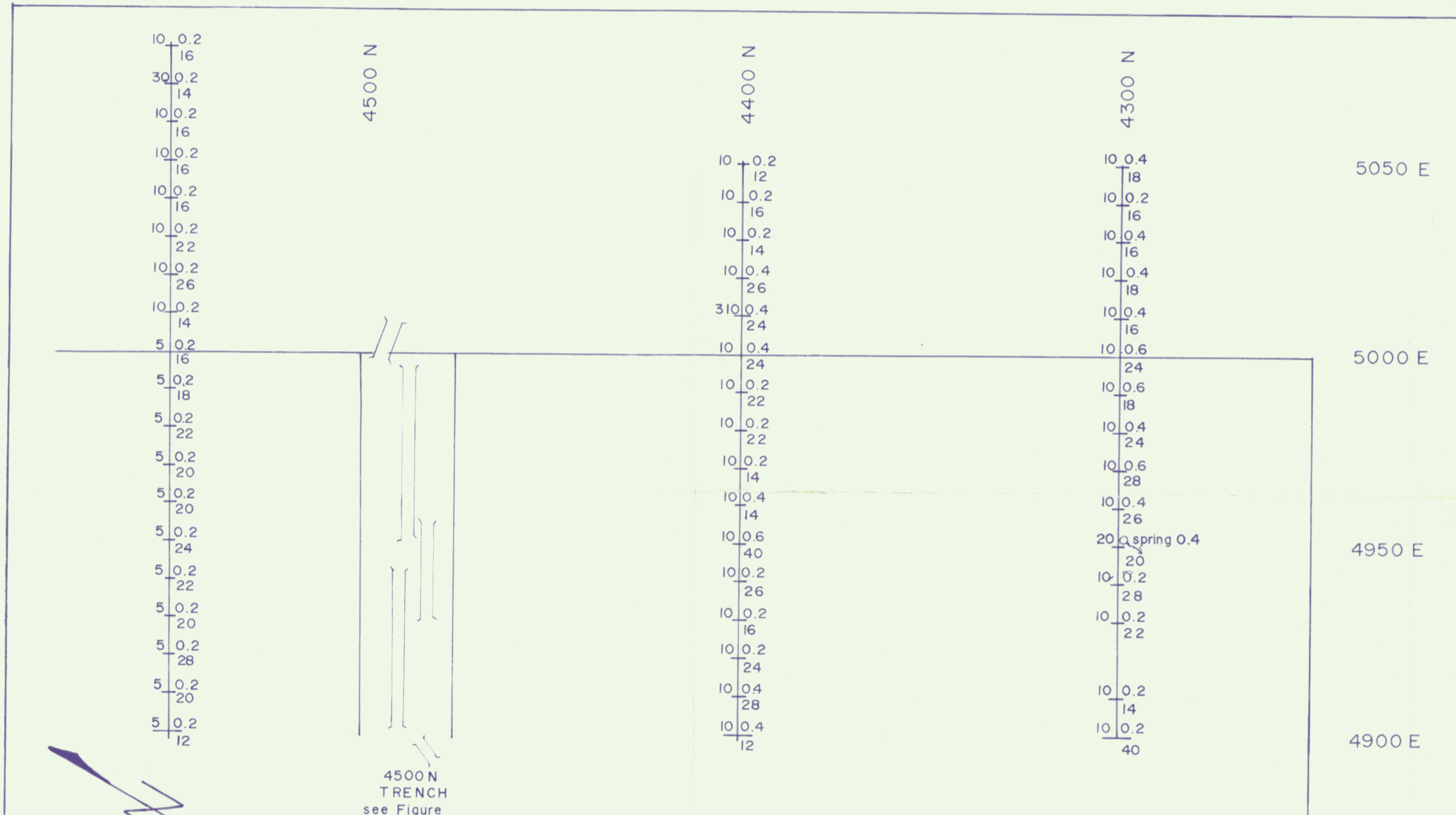


FIG. 7

CR 1-18 CLAIMS
4500N GRID
SOIL GEOCHEMISTRY
SCALE 1:1000 10m
DATE AUG.-SEPT. 1984
TALLY-HO EXPLORATION

3400 N	3300 N	3200 N	3100 N	
10 0.4 14	10 0.4 12		20 0.2 8	5100E
10 0.6 26	10 0.2 14		10 0.2 10	
	10 0.2 12		10 0.2 8	
10 0.4 32	10 0.2 12		10 0.2 16	
10 0.4 18	10 0.2 16		10 0.2 12	
10 0.2 20	80 0.6 88	10 0.6 20 60	10 0.4 10	
10 0.2 22	10 0.2 12	10 0.4 16 32	10 0.2 20	
10 0.2 16	10 0.2 16	10 0.2 52 48	10 0.4 22	
10 0.2 26	10 0.2 16	20 0.8 146 46	10 0.4 22	
10 0.2 22	10 0.2 14	10 0.2 44 36	10 0.4 24	
10 0.2 18	10 0.2 22	10 0.2 32 38	10 0.4 28	5000E
10 0.2 24	70 0.2 28		10 0.4 58	
10 0.2 14	10 0.2 48		10 0.4 34	
10 0.2 20	360 0.8 38		10 0.8 52	
10 0.2 18	10 0.4 30		10 1.2 36	
10 0.2 14	10 0.4 38	3200N TRENCH see Figure	10 0.6 40	4950E
10 0.2 14	40 0.4 42		60 1.0 104	
80 0.2 14	10 0.2 8		10 1.0 126	
	10 0.2 10		10 0.8 162	
	10 0.4 12		10 1.4 180	
10 0.2 12	10 0.4 8		20 0.6 128	

GRID NORTH
330°

Au ppb | Ag ppm
Cu ppm | Pb ppm

FIG. 8
CR 1-18 CLAIMS
3200N GRID
SOIL GEOCHEMISTRY
SCALE 1:1000 10m
DATE AUG-SEPT. 1984
TALLY-HO EXPLORATION

SAMPLE NAME	PPM Ag	PPM Pb	PPB Au
19	0.2	22	10
20	0.6	16	10
21	4.4	28	10
22	0.8	16	10
23	0.8	24	10
24	2.0	26	10
01 B	4.2	44	20
02 B	0.8	24	10
03 B	1.0	16	10
04 B	1.6	12	10
05 B	0.6	14	10
06 B	12.2	208	20
07 B	11.0	64	30
08 B	8.2	46	10
09 B	13.4	46	10
10 B	2.6	32	10
11 B	28.0	112	50
12 B	2.8	82	10
13 B	1.4	42	20
14 B	3.8	78	10
15 B	2.4	230	20
16 B	2.4	100	20

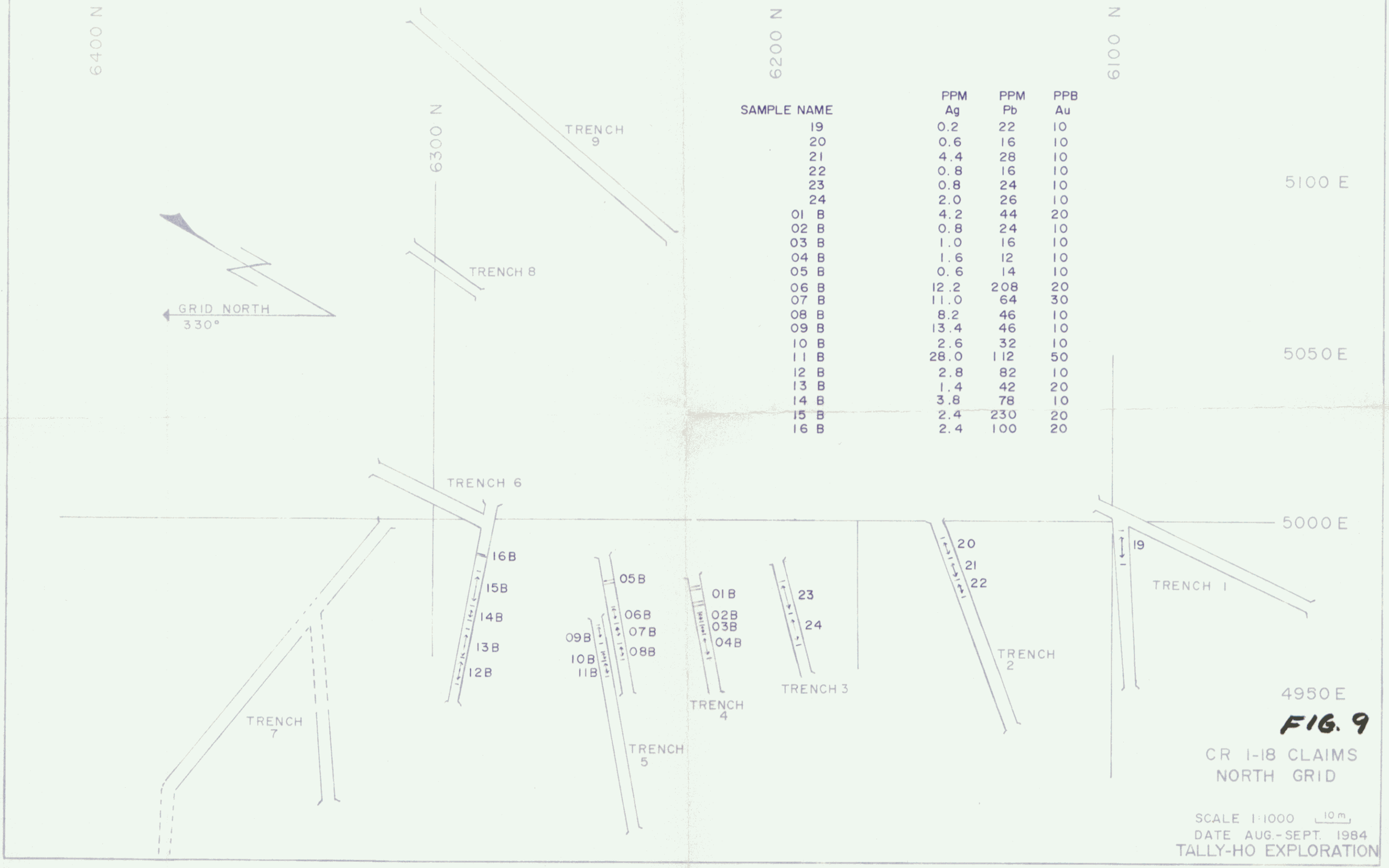


FIG. 9

CR 1-18 CLAIMS
NORTH GRID

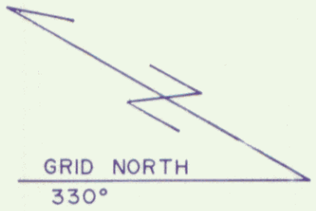
SCALE 1:1000 10 m
DATE AUG.-SEPT. 1984
TALLY-HO EXPLORATION

6400 N

6300 N

6200 N

6100 N



5100 E

5050 E

5000 E

4950 E

5	0.2	10
40	0.2	8
5	0.2	7
5	0.2	16
5	0.2	15
10	0.2	14
80	2.8	
35	5.9	98
35	2.6	58
5	0.7	27
10	0.2	8
5	0.2	11
5	0.5	15
10	1.1	29
10	0.7	17

10	0.2	8
5	0.2	11
5	0.5	15
10	1.1	29
10	0.7	17

20	0.2	9
25	0.2	12
40	0.5	13
10	0.6	14
45	0.3	10
25	0.2	15
20	0.2	11
65	0.2	10
35	0.2	10
10	0.6	16
5	0.7	31

PPB
Au | Ag PPM
Pb PPM

F16. 9a

CR 1-18 CLAIMS
NORTH GRID

SCALE 1:1000
DATE : 1984
TALLY-HO EXPLORATION

6400 N

6300 N

6200 N

6100 N

5100 E

5050 E

5000 E

4950 E

GRID NORTH
330°

TRENCH 9
Trvb
Tv
Trvb

TRENCH 8
Trvb

TRENCH 6
Trvb
qv
g
g
cv
shear zone
Trvb
cb
Tv
cb
Trvb

TRENCH 7
Trvb
cb
Kgd
Kgd

TRENCH 5
Trvb
cq
g
cb
g
cq
Kgd
cb
Trvb
cb
alt'd
Kgd
Kgd

TRENCH 4
Kgd
cg
g
qv
Tv
Trvb
cb
vb-gd bx
py alt'd
Kgd
hem alt'd
Kgd

TRENCH 3
Trvb
cb
cv
cv
cv
cv
sheared
altered
Kgd

TRENCH 2
Trvb
cq
Kgd
alt'd
Kgd

TRENCH 1
Kgd
Kgd

FIG. 10

CR 1-18 CLAIMS
NORTH GRID

SCALE 1:1000 10 m
DATE AUG.-SEPT. 1984
TALLY-HO EXPLORATION

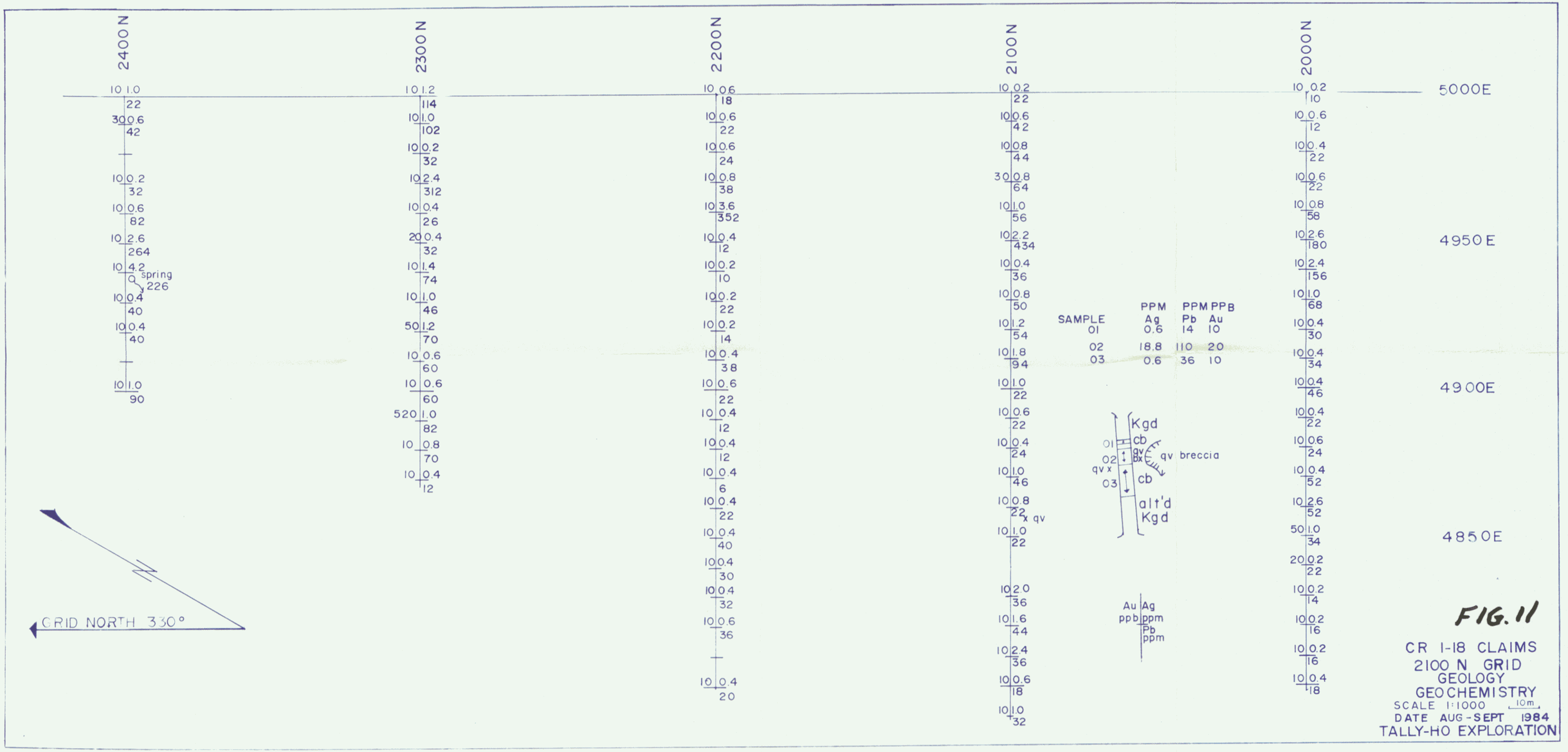


FIG. 11

CR 1-18 CLAIMS
2100 N GRID
GEOLOGY
GEOCHEMISTRY
SCALE 1:1000 10m
DATE AUG-SEPT 1984
TALLY-HO EXPLORATION

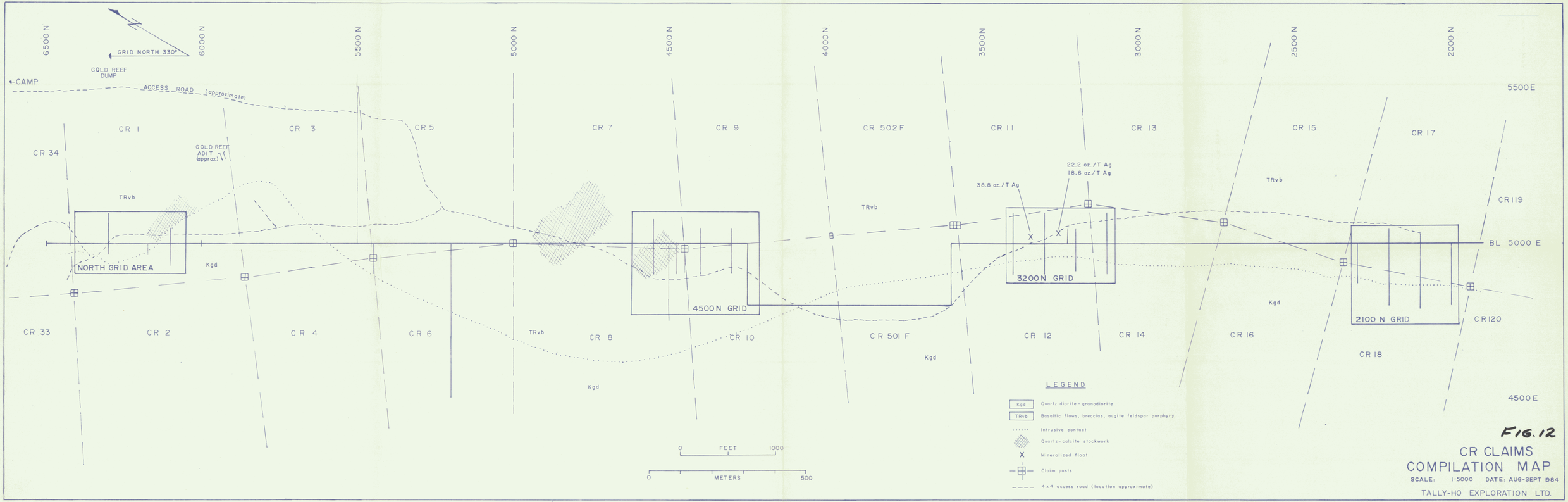


FIG. 12

CR CLAIMS COMPILATION MAP

SCALE: 1:5000 DATE: AUG-SEPT 1984

TALLY-HO EXPLORATION LTD.

FIG. 13

MED CLAIMS

105 D/3

GEOLOGY

SCALE 1:5000 DATE AUGUST 1984

TALLY-HO EXPLORATION LTD.

Au Ag Pb
45· oz/t, oz/t, % ROCK SAMPLE

S-1· ppb, ppm, ppm SOIL SAMPLE

Q-2· ppb, ppm, ppm SILT SAMPLE

FIG. 14

MED CLAIMS

105D/3

GEOCHEMISTRY

SCALE 1:5000 DATE AUGUST 1984

TALLY-HO EXPLORATION LTD.

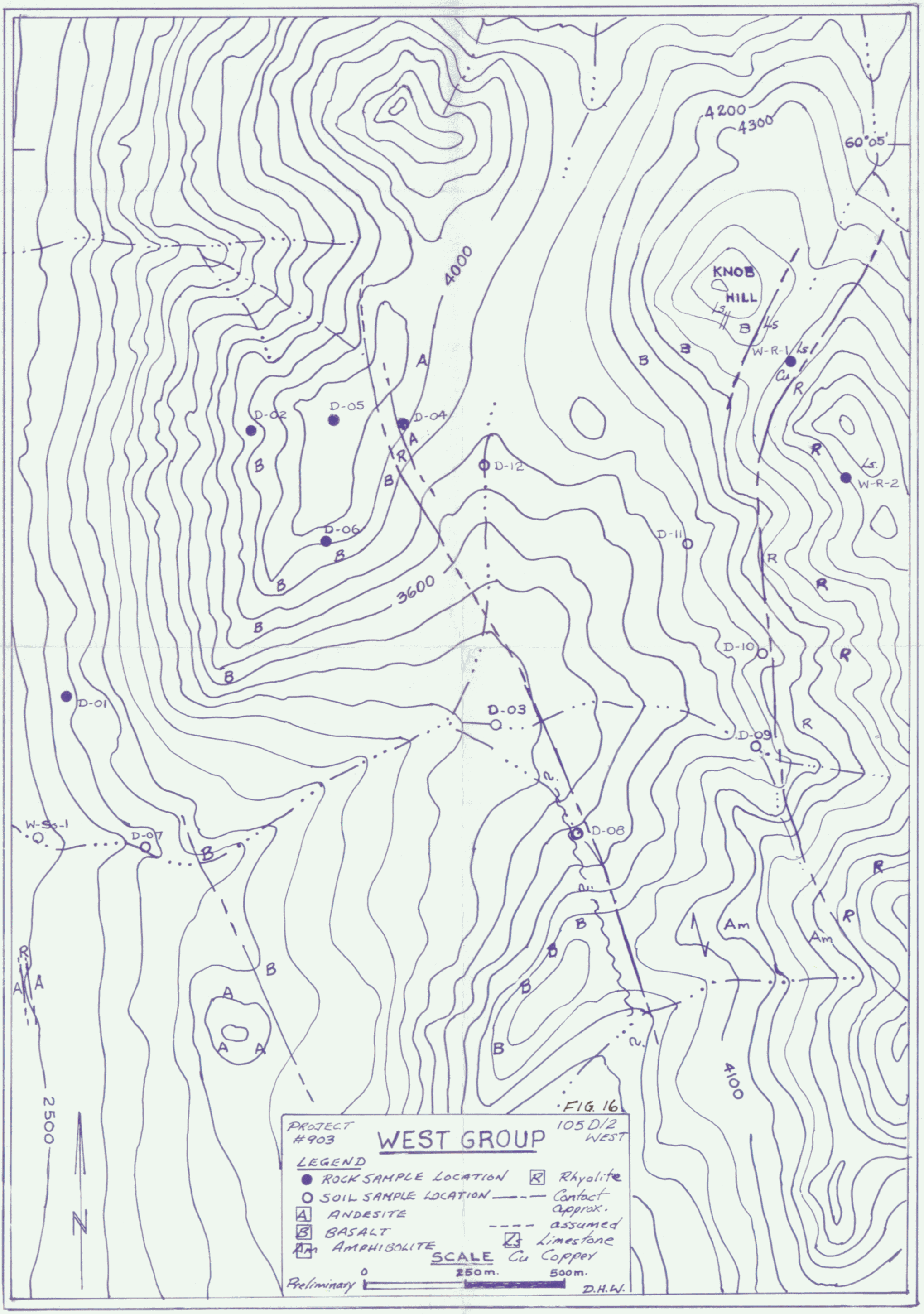

4200
4300
60°05'
KNOB HILL
4000
A
D-02
D-05
D-04
B
R
D-12
D-06
3600
D-11
W-R-1
Cu
W-R-2
D-10
D-01
D-03
D-09
D-08
W-Sc-1
D-07
Am
4100
2500
N
PROJECT #903
WEST GROUP
105 D/2 WEST
LEGEND
ROCK SAMPLE LOCATION
SOIL SAMPLE LOCATION
ANDESITE
BASALT
AMPHIBOLITE
Rhyolite
Contact approx.
assumed
Limestone
Cu Copper
SCALE
0
250m.
500m.
Preliminary
D.H.W.

FIG. 16

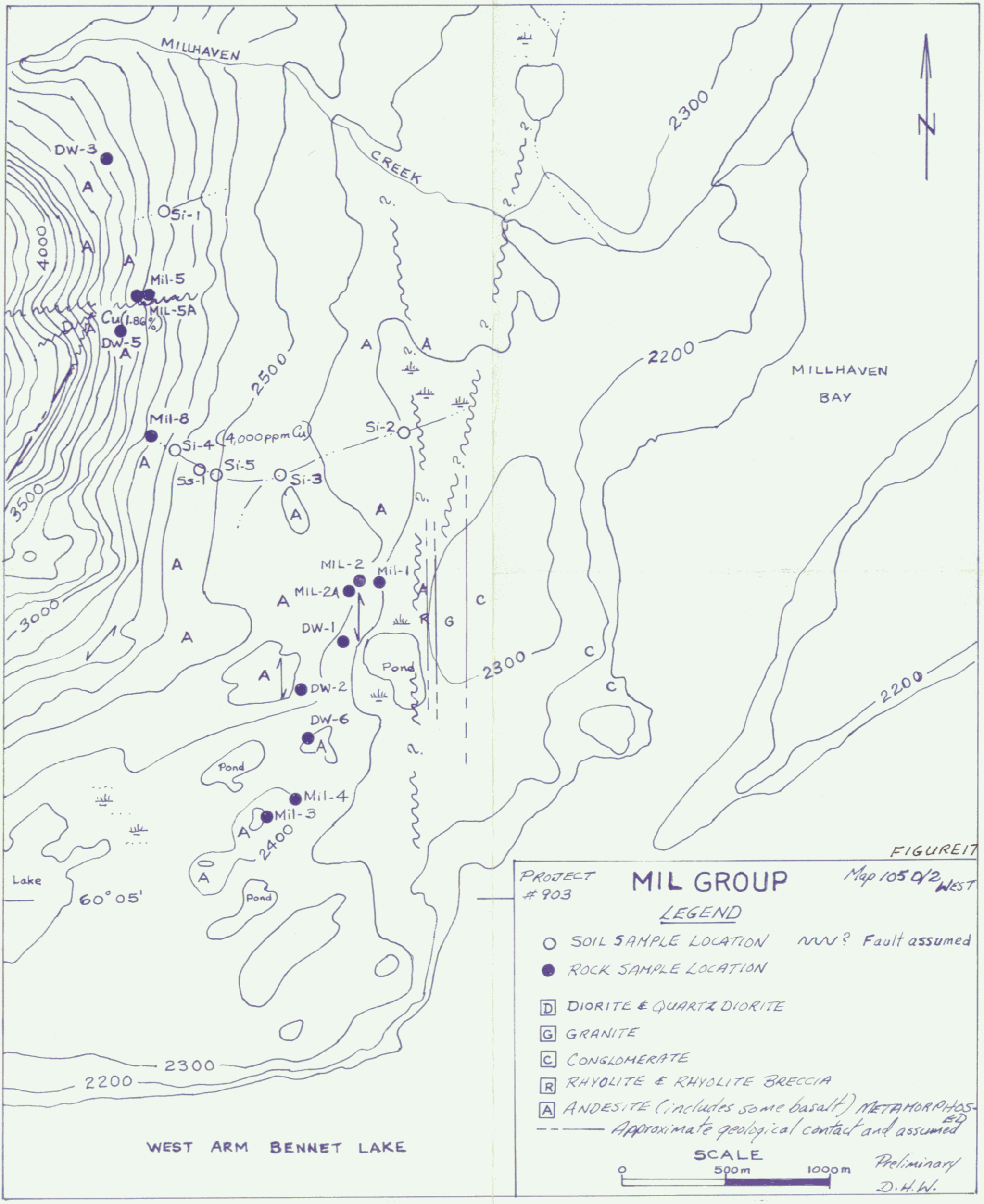


FIGURE IT

PROJECT #903

MIL GROUP

Map 105 O/2 WEST

Preliminary

D.H.W.

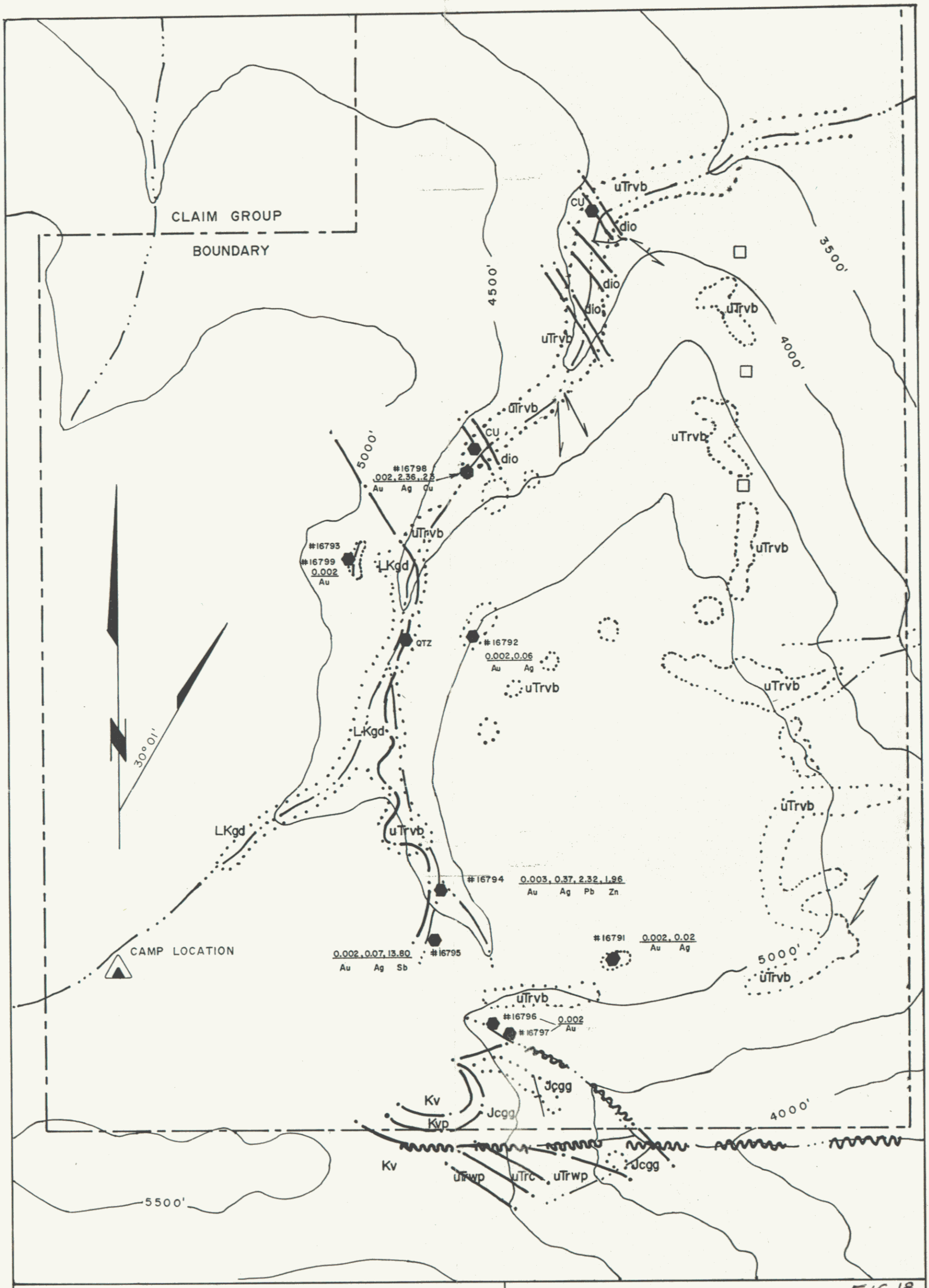


FIG. 18

LEGEND

LKgd	Granodiorite, biotite and hornblende rich, coarse grained
Kv(p)	Basalt, (basalt porphyry)
Jcgg	Granitoid-bearing conglomerate
uTrc	Limestone and dolomite
uTrwp	Argillite
uTrvb	Meta basalt and andesite, diorite dikes & porphyritic phases
⬢	Sample location & assays, minor mineral occurrences & quartz veining
•——	Geological contact approx.
~~	Fault assumed

PLAN MAP
GEOLOGY AND SAMPLE LOCATIONS
MIN CLAIM GROUP
TALLY-HO JOINT VENTURE

WHITEHORSE MINING DISTRICT
STONEY MOUNTAIN AREA
60° 08' 135° 01'
CLAIM SHEET 105D-3

SCALE: 1:12,500

250 125 0 250 500 750 1000 Metres

D.H.M.

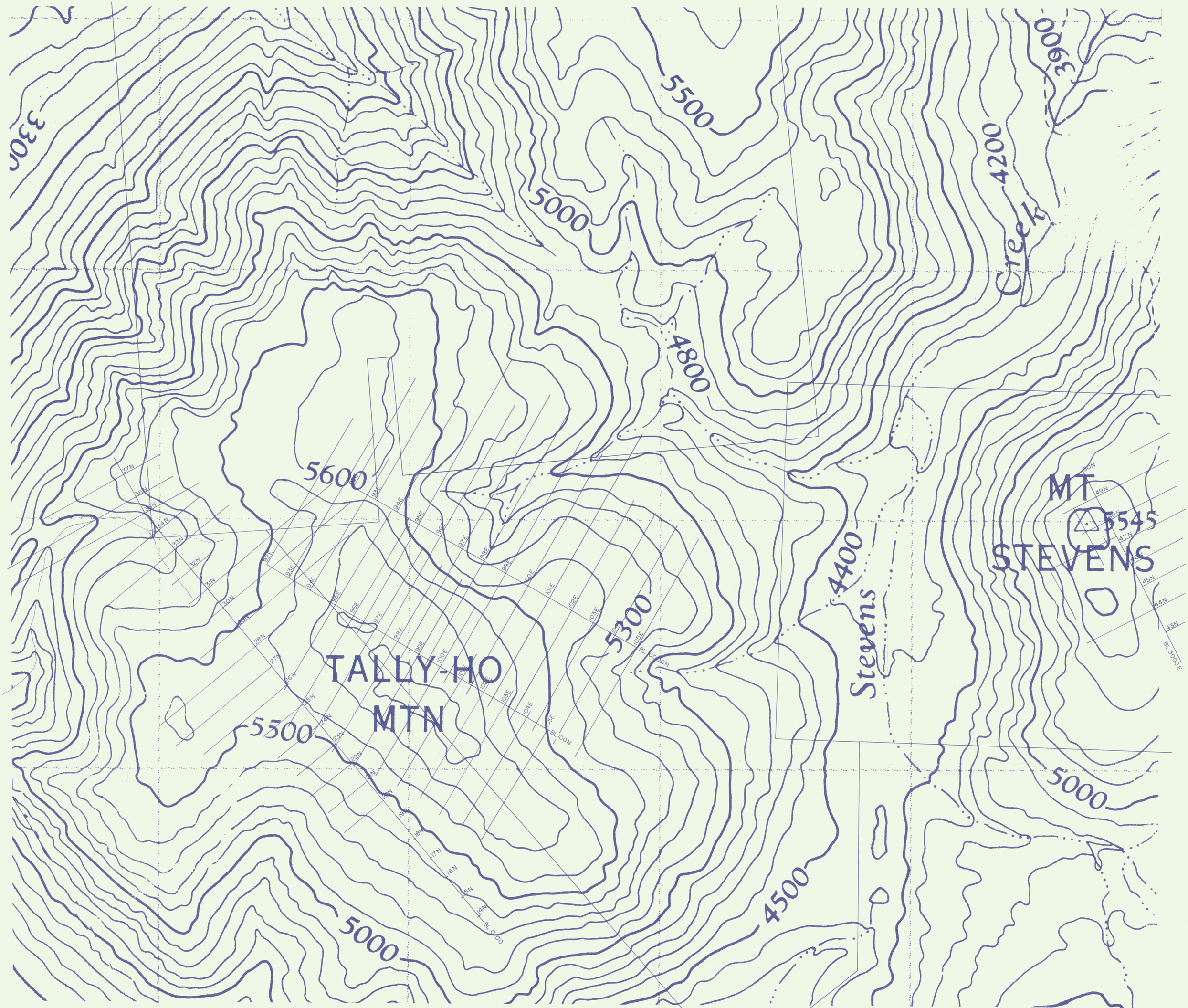
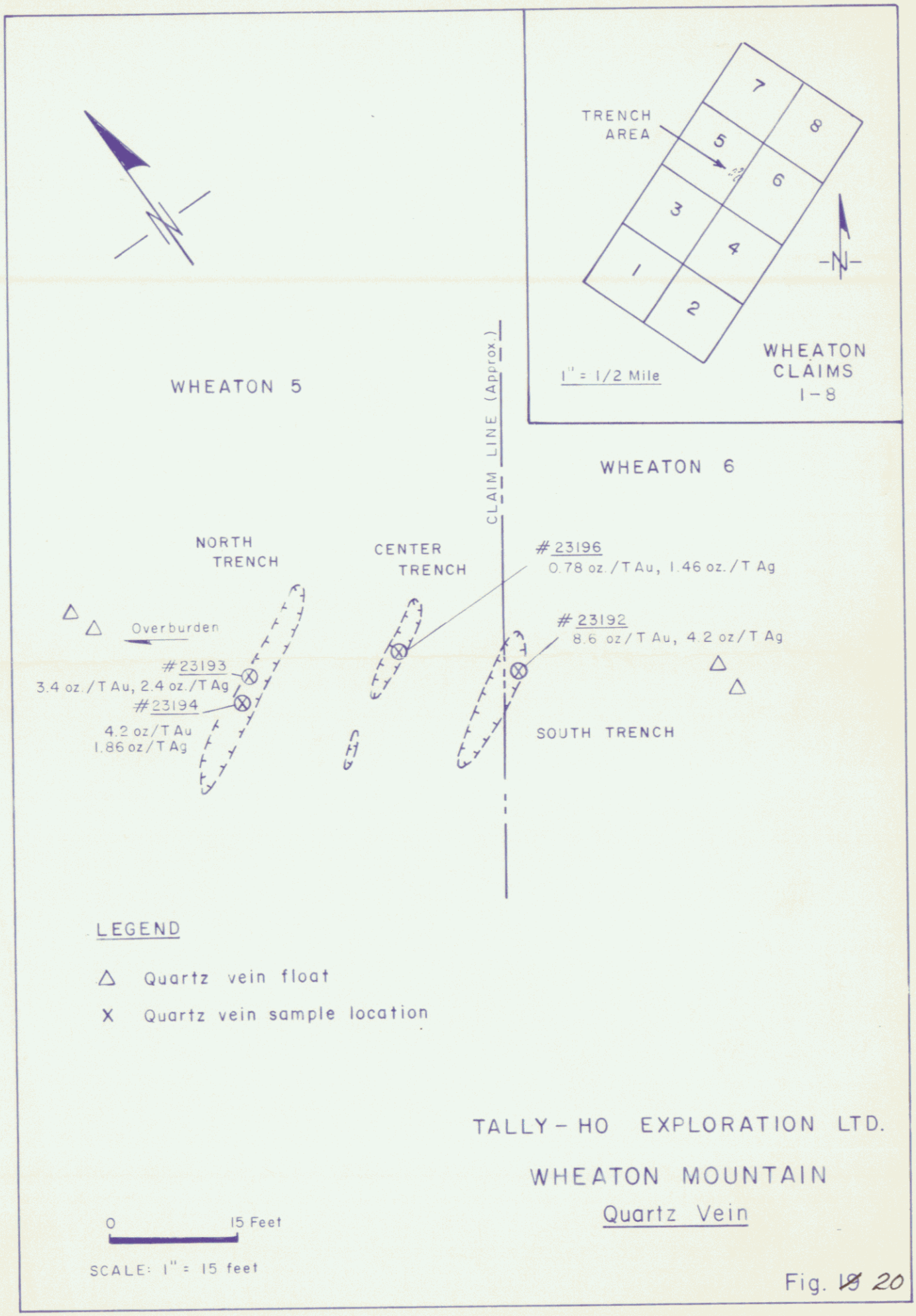

3300
5500
5000
4800
5600
3900
4200
Creek
MT
5545
STEVENS
4400
Stevens
5300
TALLY-HO
MTN
5500
5000
4500
5000
37N
36N
35N
34N
33N
32N
31N
30N
29N
28N
27N
26N
25N
24N
23N
22N
21N
20N
19N
18N
17N
16N
15N
14N
BL 000
92E
93E
94E
95E
96E
97E
98E
99E
100E
101E
102E
103E
104E
105E
BL 100N
BL 000N
50N
49N
48N
47N
46N
45N
44N
43N
BL 5000E

FIG. 19



TALLY-HO EXPLORATION LTD.

WHEATON MOUNTAIN

Quartz Vein

Fig. ~~19~~ 20

G. MACDONALD AND ASSOCIATES LIMITED
Consulting Professional Geologists

4 Hyland Crescent
Whitehorse, Y.T.
Y1A 4P6

(403) 668-2044 (403) 667-7229

CERTIFICATE OF QUALIFICATIONS

I, Glen C. Macdonald, with business and residential address in Whitehorse, Yukon, do hereby certify that:

1.- I am a consulting professional geologist.

2.- I am a graduate of the University of British Columbia (B.Sc. Geology, 1973 and B.A. Economics 1971).

3.- I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No. 36214).

4.- I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories (No. L-166).

5.- I am a member in good standing of the Canadian Institute of Mining and Metallurgy.

6.- I have practiced Mining and Exploration geology in Yukon, northern British Columbia and Northwest Territories since 1973. I began private practice in 1982 after leaving the position of Regional Geologist for Noranda Exploration Company Limited, Whitehorse, Yukon.

DATED at Whitehorse, Yukon this 1st day of November, 1984.

G Macdonald

Glen C. Macdonald, P. Geol

WHEATON RIVER JOINT VENTURE

STATEMENT OF CANADIAN EXPLORATION EXPENSES

DECEMBER 31, 1984

	WHEATON NORTH CLAIM GROUP	WHEATON MOUNTAIN CLAIM GROUP	BENNET LAKE CLAIM GROUP	TOTAL
Air Transport	$ 8,261.20	$ 5,617.62	$ 2,643.58	$16,522.40
Assays	5,789.48	3,936.85	1,852.63	11,578.96
Camp Supplies	2,485.55	1,529.01	719.54	4,497.10
Drafting	90.00	-	-	90.00
Employee Accomodation	2,946.62	2,003.70	942.92	5,893.24
Equipment Rent	375.00	255.00	120.00	750.00
Geological Fees	9,440.00	8,250.00	11,604.37	29,294.37
Management and Office	3,750.00	2,550.00	1,200.00	7,500.00
Prospecting Contracts	11,825.00	3,450.00	4,925.00	20,200.00
Recording Fees	2,077.75	1,038.87	1,038.88	4,155.50
Road Construction	8,841.63	3,536.66	-	12,378.29
Staking	-	-	-	1,727.71
Trenching	7,420.55	5,304.98	-	12,725.53
Vehicles	5,764.05	3,929.54	1,844.50	11,528.09
Wages	17,922.75	17,400.00	-	35,322.75
	$86,752.58	$58,792.23	$26,891.42	$174,163.94

CANADIAN EXPLORATION EXPENSES

EURO PETROLEUM	$ 87,081.97
WESCLIFF RESOURCES	$ 87,081.97
	$174,163.94

INTERIM PROGRESS REPORT

ON

WEST 1-24 and MIL 1-32

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION COMPANY LTD

PROJECT 903 (BENNETT LAKE)

September 1984

D.H. Waugh

INTERIM PROGRESS REPORT

ON

WEST 1-24 and MIL 1-32

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION COMPANY LTD

PROJECT 903 (BENNETT LAKE)

September 1984 *D.H. Waugh*

INTRODUCTION

During the period of August 1, 1984 to August 22, 1984, the author and prospector D. Baird conducted an exploration program on the West and Mil Claims.

The 24 West claims are located on the east side of Bennett Lake at Latitude 60° 04' and Longitude 134° 50' and are bordered on the west by the White Pass and Yukon Railway and the east shore of Bennett Lake. The 32 Mil claims are located just west of Millhaven Bay and north of the West Arm of Bennett Lake at Latitude 60° 06' and Longitude 134° 58' and are bordered on the north by Millhaven Creek.

A program of prospecting and geological mapping was carried out with the objective of locating in favourable geological environments, gold and silver mineralization of economic interest.

Control was provided by Carcross map, 105 D/2 West Half, 1:50,000 scale that was photo enlarged to 1:25,000 scale.

The principle targets were mineralized quartz veins, rhyolite quartz breccia and mineralized shear and fault zones that could contain gold and silver values.

The West claims exhibited little mineralization and no structures that warrant further work. The Mil claims work located two zones of interest that the author recommends further work on. A reconnaissance VLF survey over the assumed north-south fault and/or shear zone and andesite-rhyolite-granite contact in the southeast portion of the property is recommended. Additional prospecting is recommended for the northwest portion of the Mil claims in the vicinity of the known copper-silver occurrence (sample DW-5 assay certificate number 16786).

GEOLOGY

The West claims are underlain by basalt and andesite flows minor amphibolite (meta gabbro or basalt), rhyolite and rhyolite (flow) breccia and minor limestone. The basic volcanic rocks exhibit little structure and are intensely fractured. Quartz veining is absent in outcrop areas observed. Mineralization of economic interest was not noted in the volcanic units. Copper mineralization with minor silver in limestone is located just southeast of Knob Hill at the extreme northeast end of the claim group. Geological contacts shown on the accompanying map are approximate and shearing is generally northwesterly.

The Mil claims are underlain almost entirely by meta volcanics of andesitic and basaltic composition and have a variety of textures but are usually a fine grained, banded, green coloured rock exhibiting prominent north-south lineation with east-west jointing. Unlike the West claims, the meta volcanics are competent rocks and quartz veins and lens up to one foot in length were found and are usually parallel to the prominent east-west joints. Diorite intrusive is found in the northwest corner of the claim group and contacts appear to be abrupt and faulted. Minor rhyolite breccia was located in the southeast part of the property in contact with andesite porphyry on the west and

coarse grained granite on the east. The extreme east portion of the claim group is underlain by a granite pebble-cobble conglomerate. A prominent north-south lineament is located parallel to and west of the east boundary of the claims and is expressed by a topographic low. This zone is noted on the accompanying map by an assumed fault. No rock outcrops in this zone.

MINERALIZATION

Mineralization on the West claims was limited to the copper showing located 400 meters southeast of Knob Hill. Copper as bornite, chalcocite, malachite and azurite occurs in a cherty impure limestone at an elevation of 4,600 feet. The bedrock at this location is poorly exposed. Copper was observed intermittently across a width of 30 feet in silicified (chert) limestone. W-R-1 (16788) a composite grab sample assayed 0.003 oz/ton gold, 0.62 oz/ton silver and 3.70% copper. No significant values were noted in stream or drainage silt samples. Sample W-R-2 was not in place.

Only one quartz vein sampled on the Mil claims returned interesting assay results. Sample DW-5 (16786) assayed 0.004 oz/ton gold, 1.19 oz/ton silver and 1.86% copper. Silt sample MIL-Si-4 assayed 4,000 ppm copper indicating anomalous copper values in this location. Low to minor copper values were obtained from samples of scree located in the northwest part of the claim block near sample DW-5 location. This area is considered to merit further prospecting. Minor copper was noted with pyrite in quartz veining located in the south-central portion of the property. Most veins in this area returned low gold and silver values.

RECOMMENDATIONS

Further prospecting is recommended on the Mil Claim Group in the northwest corner of the property. A camp should be established on Millhaven Creek as near as possible to the area of interest. A reconnaissance VLF survey across the assumed N-S fault zone just north of the pond in the south-central part of the claim block should also be conducted.

No further work is recommended on the West Claims.

INTERIM PROGRESS REPORT

ON

BUFFALO 1-12, CROWN GRANTS

WHEATON, GOLDEN SLIPPER, SUNRISE

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION LTD.

PROJECT 902 (MOUNT STEVENS)

NTS 105D/2E AND 105D/3W

P. BLAND
D. PEGG

AUGUST 15 - 24, 1984

INTERIM PROGRESS REPORT
PROJECT 902 (MOUNT STEVENS)
NTS 105D/2E AND 105D/3W

Claims

BUFFALO 1-12, Crown Grants: Wheaton, Golden Slipper, Sunrise.

Claim posts for Buffalo 7-12 were located. The claim posts for Buffalo 1-6 were outside the work area so were not located at this time. The Crown grant posts were only partially located.

Camp

Elevation 5,360 feet, east of the top of Mt. Stevens. A small intermittent (?) spring supplied water at this time. It is not an assured water supply. You may need to go 500 feet to 1,000 feet lower for an assured supply of water - depending on the weather and time of year. Work at this time was all above 4,700 feet and completely above timberline.

Geology

Corresponds favourably to regional geology of Wheeler, although contacts are raggedy or vague and outcrop exposure is poor. Coast intrusions of granite porphyry and grey green biotite hornblende quartz diorite intruding triassic metavolcanics - chloritic to sericitic schist.

Grid

The baseline was directed to a short distance to the east of Mt. Stevens summit. Bearing is N30°W extending from 4100N to

5000N. Cross lines were extended from 4700E to 5350E as detail was required. A number of short lines were run around the easterly and north nose of Mt. Stevens to help deliniate scattered mineralized quartz float by soil samples.

Extensive grid was located across the grassy draw which runs to the east of the camp area and appears to follow the trend of massive quartz boulders which were found at the lower end. Soil sampling was done in detail at this location.

Mineralization

(Also see G.S.C. Memoir 312 - P. 121, 122)
Principal mineralization from the descriptions of early investigators consists of quartz veining carrying disseminated galena and pyrite with some gold values, at several locations.

These diggings have since sloughed in so that the described veins were not found in place. Quartz and "ribbon" quartz with galena mineralization was found as float, generally around the east and north nose of Mt. Stevens.

Pete Bland had trenched on top of Mt. Stevens to find quartz with disseminated galena.

Fair mineralized quartz was found on the dump of the adit (west) at 5000N/4750E.

Miscellaneous

Three adits were located and investigated. <u>West</u> Adit - 5000N/4750E appears to have been drifted in the intrusive for 50 to 100 feet. This is caved in. A sample of sulfide in

quartz from the dump (23126) appeared to have native gold in it. East Adit - 5025N/4800E appears to be less than 50 feet in length, is caved, and had little showing of mineral on the dump (#23127). North Adit - 5075N/5420E is drifted in slightly, sheared quartz diorite and is caved. No sample was taken here.

A large quartz vein - possibly the old Acme claim was located at 4270N/5060E. It is mainly massive white quartz, up to 30 feet wide and outcrops for 70 to 100 feet (sample 23152).

ROCK SAMPLES DESCRIPTION

902 - Mt. Stevens

23126	Pb in Qutz Vns - West Adit (5000N/4750E) Dump
23127	Mass White quartz - Easterly Adit (West Side) (5025N/4800E) Dump/Chl. Alt/minor py ccpy Pb
23151	Rusty Q Vn in Chl sch (4500N/4715E) Trench/Pb
23152	Mass Q - Sparse min (4300N/5075E) Old Acme Claim
23153	Rusty Decomp Quartz (4725N/4975E) Trench Ore hidden?
23154	Massive Q (4725N/4975E) Trench/Cu stain
23155	White Q - creamy alt (4725N/4975E) Old hidden ore?
23156	Grey smokey Qutz - vuggy, minor, Chl pods (4725N/ 4975E) Fine diss. to scatt. Pb minor fine py
23157	Ribbonned Qtz above 23156 in green schist/sparse to mod Pb Py
23158	Br. weathered Q vuggy - limonite filled in place NW of prev trench (4755N/4924E) Pods massive qtz
23159	Wh Qtz vns to 1 ft wide (4800N/4900E) trench in greenst/some fine Pb
23160	Q vns(?) floats (25m from 23159) on strike with adits below (?) (4800N/4885E) minor Pb vugs
23161	Q vn (?) float (?) (4800N/4885E) minor Pb/Cu stain
23162	Quartz porphyry (Pete Bland) new/pit top of Mt. Stevens/vuggy rusty quartz/18" deep
23163	Silicious vuggy rusty porphyry (?) new/pit top of Mt. Stevens
23164	3" wide smokey qtz or porphyry/v rusty/sl alt
23165	Mt. Stevens Peak/new/pit/v. sil. rusty vuggy smokey qtz/Tetrahedrite present
23166	white to smokey Q/bands rusty/vuggy 2 1/2" wide/ccpy/ Pb
23167	Pt. Mt. Stevens Peak/banded Q in Q Diorite/well min galena adj to bands

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

O : TALLY-HO EXPLORATION LTD.
205 ROGERS STREET
WHITEHORSE, Y.T.

CERTIFICATE No. : 84356.A - 4
INVOICE No. : 4399
DATE ANALYSED : SEPT.7,1984

ROJECT No. : 901

FILE NAME : TAL356.A

RE IX	SAMPLE NAME	PPM Ag	PPM Pb	PPB Au
S	4900N - 4950E	1.2	40	10
S	4900E - 4775N	1.0	64	10
S	4800N	1.0	52	10
S	4825N	0.6	38	10
S	4850N	0.6	66	10
S	4875N	0.8	60	10
S	4800N - 4870E	0.4	40	20
S	4885E	0.8	140	10
S	4880E	0.8	94	10
S	4890E	0.8	156	10
S	4910E	0.2	36	10
S	4920E	0.4	46	10
S	4930E	0.6	46	10
S	84 MEDAQ 1	0.2	8	10
S	84 MEDAQ 2	0.2	8	10
	84 MEDAS 1	0.2	8	10
	84 MEDAS 2	0.2	6	10
S	84 MEDAS 3	0.2	14	10
S	84 MEDAS 4	0.2	10	10
S	84 MAXAS 1	0.6	20	10
S	84 MAXAS 2	0.6	26	10
S	84 MAXAS 3	3.4	80	420
S	BL 2600N	0.2	10	10
S	2620N	0.2	8	10
S	2640N	0.2	14	10
S	2660N	0.2	44	10
S	2680N	0.2	6	10
S	BL 2700N	0.2	4	10
S	2720N	0.4	6	10
S	2740N	0.2	6	10
S	2760N	0.2	6	10
S	2780N	0.2	4	10
S	BL 2800N	0.2	4	10
S	2820N	0.4	6	10
S	2840N	0.4	4	10
S	2860N	0.4	6	10
S	2880N	0.4	4	10
S	BL 2900N	0.2	2	10
S	2920N	0.2	4	10
S	2940N	0.4	4	10

MT. STEWART.

MED

MAX

CERTIFIED BY : _____

ROSSBACHER LABORATORY LTD.

2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

D : TALLY-HO EXPLORATION LTD.
205 ROGERS STREET
WHITEHORSE, Y.T.

CERTIFICATE No. : 84356.A - 3
INVOICE No. : 4399
DATE ANALYSED : SEPT.7,1984

ROJECT No. : 901

FILE NAME : TAL356.A
Mt. Stevens

RE IX	SAMPLE NAME	PPM Ag	PPM Pb	PPB Au
S	4950E - 4670N	0.2	28	10
S	4680N	1.8	130	20
S	4690N	0.2	26	10
S	4700N	0.2	40	10
S	4710N	0.4	66	10
S	4720N	0.2	32	10
S	4725N	0.4	56	10
S	4730N	0.4	82	10
S	4740N	2.0	454	10
S	4750N	1.0	94	60
S	4900E - 4680N	0.2	40	10
S	4700N	0.2	60	10
S	4710N	0.2	32	10
S	4720N	0.2	36	40
S	4725N	0.2	32	20
	4730N	0.2	42	10
	4740N	0.2	40	10
S	4750N	0.2	98	10
S	4700E - 4500N	0.2	18	10
S	4520N	0.2	20	10
S	4540N	0.2	20	10
S	4560N	0.2	16	10
S	4580N	0.8	64	10
S	4590N	0.4	44	10
S	4600N	0.2	64	10
S	4620N	0.4	36	10
S	4640N	0.4	32	20
S	4660N	0.2	32	10
S	4680N	0.2	74	70
S	4700N	0.2	62	60
S	4900N - 4850E	0.4	60	20
S	4860E	0.6	52	10
S	4870E	0.6	68	50
S	4880E	0.4	118	10
S	4890E	1.0	70	10
S	4900E	0.6	52	10
S	4910E	0.2	34	10
S	4920E	1.2	64	40
S	4930E	1.2	36	10
S	4940E	1.0	38	10

CERTIFIED BY : _____

ROSSBACHER LABORATORY LTD.
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

O : TALLY-HO EXPLORATION LTD.
205 ROGERS STREET
WHITEHORSE, Y.T.

CERTIFICATE No. : 84356.A - 2
INVOICE No. : 4399
DATE ANALYSED : SEPT.7,1984

ROJECT No. : 901

FILE NAME : TAL356.A
Mt. Stevens

PRE IX	SAMPLE NAME	PPM Ag	PPM Pb	PPB Au
S	4700N - 5175E	0.2	22	10
S	5150E	0.2	24	10
S	5125E	0.4	34	10
S	5100E	0.4	36	190
S	5075E	0.2	30	10
S	5050E	0.4	32	10
S	5025E	0.2	14	10
S	5000E	0.4	22	10
S	4600N - 5000E	0.4	18	10
S	5025E	0.6	20	10
S	5050E	0.2	26	10
S	5075E	0.4	32	10
S	5100E	0.2	26	10
S	5125E	0.2	30	10
S	5150E	0.4	42	10
S	5175E	0.4	6	10
	5200E	0.4	6	10
S	5225E	0.4	12	10
S	4500N - 5200E	0.4	22	10
S	5175E	0.6	20	10
S	5150E	0.6	34	10
S	5125E	0.4	32	10
S	5100E	0.6	36	10
S	5075E	0.4	20	10
S	5050E	0.6	22	10
S	5025E	0.6	28	10
S	5000E	0.6	24	10
S	4400N - 5000E	0.6	24	20
S	5025E	0.6	24	30
S	5050E	0.6	22	10
S	5075E	0.8	38	10
S	4300N - 5150E	0.6	30	10
S	5125E	MISSING		
S	5100E	0.6	38	10
S	5075E	0.6	36	20
S	5050E	5.6	394	80
S	5025E	0.8	26	30
S	5000E	0.6	30	20
S	4950E - 4650N	0.2	38	60
S	4660N	0.2	34	10

CERTIFIED BY : _____

ROSSBACHER LABORATORY LTD.
2225 S. SPRINGER AVENUE
BURNABY, B.C. V5B 3N1
TEL : (604) 299 - 6910

CERTIFICATE OF ANALYSIS

O : TALLY-HO EXPLORATION LTD.
205 ROGERS STREET
WHITEHORSE, Y.T.

CERTIFICATE No. : 84356.A - 1
INVOICE No. : 4399
DATE ANALYSED : SEPT.7,1984

ROJECT No. : 901

FILE NAME : TAL356.A
Mt. Stevens

PRE IX	SAMPLE NAME	PPM Ag	PPM Pb	PPB Au
S	5000N - 5375E	0.8	46	90
S	5350E	0.8	28	10
S	5335E	0.8	36	10
S	5325E	0.4	32	10
S	5300E	0.4	24	10
S	5275E	0.4	26	80
S	5250E	0.4	42	10
S	5225E	0.4	50	50
S	5200E	1.0	76	10
S	4900N - 5000E	0.4	40	10
S	5025E	0.4	32	20
S	5050E	0.4	26	10
S	5075E	1.0	30	40
S	5100E	0.6	32	10
S	5125E	0.4	40	10
S	5150E	0.4	46	80
	5175E	0.4	56	10
S	5200E	0.6	78	10
S	5225E	1.4	64	20
S	5250E	0.4	22	10
S	5275E	0.2	32	30
S	5300E	0.4	24	80
S	4800N - 5000E	0.6	54	20
S	5025E	0.6	44	10
S	5050E	0.4	28	10
S	5075E	0.4	38	20
S	5100E	0.4	30	10
S	5125E	0.4	32	10
S	5150E	0.4	28	10
S	5175E	0.4	40	10
S	5200E	0.2	28	10
S	5225E	0.8	26	10
S	5250E	0.4	30	20
S	5275E	0.8	24	40
S	5300E	0.6	36	20
S	4700N - 5300E	0.4	26	70
S	5275E	0.4	24	30
S	5250E	0.4	30	10
S	5225E	0.4	26	10
S	5200E	0.6	26	10

CERTIFIED BY : _____

PRELIMINARY REPORT

WHEATON CLAIMS 1-8

YA 813535 - YA813542

105D/3E - 6E

November 1984

WHEATON CLAIMS 1-8

These claims were checked by Dan Pegg and Peter Bland September 11 to 16, 1984. They overlap the old (lapsed) Car 1-4 claims (Silver Pak Mines - 1967).

Location

They are located 33 miles south of Whitehorse, Yukon, near Wheaton River. Elevations on the property are 4700' to 5700'. This is all above timberline with 90% ± overburden or talus. The westerly side of Wheaton 5 and 7 and the easterly side of Wheaton 6 and 8 are extremely steep in places, and at the time of examination were difficult to access due to early fresh snow.

Camp Location

The camp was located in the valley just east of upper Tally Ho Gulch where there is available water and a degree of shelter. This location was also central to other work in the area and was at an elevation of 4600'.

For detailed work on the Wheaton 1-8 claims it would be advantageous to fly camp near the benches on Wheaton #5 at 5500' to avoid a long hike.

Regional Geology (Wheeler et al G.S.C. Memoir 312)

1. Cretaceous - Coast Instrusions - Biotite hornblende quartz diorite, monzonite and allied rocks.

2. Volcanic rocks of uncertain age.

Survey - 1984

This September, 1984, survey consisted mainly of prospecting and recce-type geology. In addition, Peter Bland had prospected the area on the north end slopes of the present Wheaton 7 and 8 during the 1983 field season. (No obvious targets were seen at that time).

Physical traverses this time were run generally using the claims centre line as a base. It appears from rubble, talus, frost heaved boulders and some outcrop and fresh talus that Coast Intrusives cover the Wheaton 1-4 claims and southerly Wheaton 5 and 6. A few andesitic outcrops were noted to the south of Wheaton 1 and 4.

The volcanic rocks package appears to be generally on central Wheaton 5 and 6, and the south central portion of Wheaton 7 and 8, with possible extension out to the less accessible slopes to the west towards Wheaton River valley.

Volcanic Rocks

The volcanic package occurs as a varied assemblage of rhyolite, dacite, aplites and tuffs generally in the vicinity of a small (100 metre diameter) topographic knob on north central Wheaton 5 and 6 claims. The significant trenches with mineralization are located on the southwest slope of this knob. The mode of occurrence and exact extent of the various rock types was not completely outlined at this time due to rubble, overburden, fresh snow and the accompanying time factors. However a number of spot samples were taken for reference. These are in the back of the office (list enclosed).

These volcanics differ from the belt of volcanics which extend from Gold Hill to Mt. Stevens and beyond. They are more silicious, flinty and blocky, less foliated and vary in colour from white to buff to dark brown-black, rather than the typical lightly sheared to massive, grey coloured andesites of the Gold Hill - Tally Ho - Mt. Stevens camps.

Mineralization and Trenching

Mineralization of interest to date is confined to the several trenches located near the centre line of Wheaton 5 and 6 claims. It appears to be associated with sugary quartz in brown silicious volcanics. In some of the trenches the quartz appears as an inconspicuous vein up to 18 inches wide. The favourable gold and silver values show up where this vein becomes mineralized with galena or chalcopyrite (samples #23192-3-4). It was not confirmed at this time how extensive the mineralization is in the quartz vein(s).

The trenches need to be cleaned out as they contain some large broken rock. The north trench trends into grass covered overburden and minor talus, which should be further trenched with the D-7 if possible, to test for further extension in a north westerly direction.

Samples taken at the trenched area were good sized samples and were casually selective in order to get an idea what to expect from the sulphides in this particular quartz.

Recommendations

As suggested elsewhere in this report, further work should be done on these claims when favourable weather arrives.

1. Detailed geological mapping, at least a 500 metre radius of the trenched area.

2. Clean out and further sample the trenches.

3. Trench further with D-7 for vein(s) extension, possibly in conjunction with some trenching on MacDonald Fraction.

Dan Pegg

SAMPLE REPORT
Wheaton Claims 1 - 8
October 20, 1984

Trench Samples - Selected grab samples approximately 1 pound each, taken by Peter Bland and Dan Pegg.

#23192 Wheaton #5 Claim - South Trench
Sugary quartz with minor Galena xtals (no office sample)
Au 4.20 O/T Ag 1.86 O/T Pb 0.18%

#23193 Wheaton #5 Claim - North Trench
Minor galena in creamy sugary quartz (no office sample)
Au 3.4 O/T Ag 2.40 O/T Pb 1.32%

#23194 Wheaton #5 Claim - North Trench
Sugary to pale brown quartz - minor scattered chalcopyrite. Quartz vein to 8 inches wide in silicious brown volcanics (see office sample)
Au 0.78 O/T Ag 1.46 O/T

#23195 Wheaton #8 Claim
East side of ridge of location line. Buff weathered pale grey brown rhyolite - fine scattered pyrite (see office sample)
Au 0.018 O/T Ag 0.08 O/T

#23196 Wheaton #5 Claim - Centre Trench
Sugary quartz - fine scattered chalcopyrite
Au 8.6 O/T Ag 13.4 O/T Cu 0.30%

SAMPLE REPORT
Wheaton Claims 1 - 8
October 20, 1984

Country Rock samples - taken near trenches on Wheaton 5 and 6 claims.
Complex of andesite, rhyolite, tuff, aplite and minor instrusives.
Scattered random samples taken by D. Pegg.

1-1	White-buff aplite (dyke?)
1-2	Grey blue felsite (dyke?)
1-3	Dark (black-brown) fine grained dyke
1-4	White to buff aplite (dyke)
1-5	Buff weathered porphyrite rock with smokey quartz eyes to 3mm and brown weathered felspar
1-6	Buff quartz felspar porphyry
1-7	Grey green dense fine grained - dacite (dyke?)
1-8	Quartz diorite - medium grainted grey-green
1-9	Grey green diorite

Wheaton #6 Claim - Traverse - September 13, 1984
Area around south and east end of knob containing trenches. Random samples - D. Pegg.

2	Buff quartz (eye) felspar porphyry
2-1	Buff quartz (eye) felspar porphyry
4-1	Silicious coarse granular rhyolite (?)
4-2	Quartz felspar hornblende granite
4-3	Grey granular silicious rhyolite
4-R-2	White grey silicious tuff
4-4	Buff white silicious tuff
4-5	Grey-blue-black silicious (andesitic) tuff

NOTE: These samples were left identified in sample bags at the rear of the Whitehorse office.

INTERIM PROGRESS REPORT

ON

CR

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION LTD.

PROJECT 901 (GOLD HILL)

NTS 105D/6E

P. BLAND
D. PEGG

AUGUST 1 - 14, 1984

INTERIM PROGRESS REPORT
PROJECT 901 (GOLD HILL)
NTS 501D/6E

Claims

CR 1 - 18. Claim posts were tagged and flagged.

Camp Location

Elevation 5600' in the central portion of the claims. A small spring is available here, for limited water supply - 4450N-4950E. Water is also available at 4500E-5200N and at 2350N-5000E.

Prospecting

Prospecting was concentrated on the claims CR 1-18 which are generally covered by a gently rolling plateau which rises from 5200' in the south to 6000' in the north.

Dail Creek was prospected down to the 4500' level. Bedrock outcrop is very minimal in the plateau area, but felsenmeer is moderate in patches so is valuable in identifying bedrock and the geological contacts.

Grid

The grid consists of 5000E BaseLine - bearing 330° - which extends from 1950N to 6500N. Markers are 18" laths, are generally at 50m or 100m intervals and are marked and ribboned. At areas of particular interest the grid is more detailed. Sample locations are also generally similarly marked. Section lines are extended where necessary to tie in special features.

Samples

A total of ___ rock samples and soil samples were taken. Sample description sheet and location map are attached.

Geology

The general geology follows closely that outlined by Wheeler - Memoir 312. TRIASSIC - Andesitic volcanics - minor limestone. CRETACEOUS - Coast instrusions hornblende-biotite grandodiroite. TERTIARY - Granite porphyry and rhyolite. Outcrop is approximately 5%. The volcanics occur as a zone running more or less centrally the length of the property, trending NW and dipping steeply.

Mineralization

The most favourable mineralization in this general region of the Yukon at Mt. Skukum, Venus, etc., appears to be gold-silver mineralizated veins where andesitic flows are intruded by tertiary rhyolite porphyry dyke swarms and stocks. Metallic minerals to look for in this setting are pyrite galena, native gold, sylvanite, tetrahedrite and tellurides.

On the Gold Hill property many of these criteria are established in old workings, which consist of a few shallow trenches in overburden. To extend these involves careful detailed prospecting for quartz and other lightly coloured, generally well-silicified rocks.

Work - August 1984

Given the nature of the terrain and the lack of outcrop, most

of the time at this stage was spent simply prospecting to locate favourable mineralization and geological contact.

Detailed soil sampling was done at areas of special interest.

Old workings were located, examined and sampled.

1. Gold Reef Property: (Also see Memoir 312, etc.)
   A quartz vein up to several feet wide follows foliation of greenstones for a reported 1000 feet, and small hi-grade pickets of the gold minerals were reported to occur. The vein strikes N55°W and dips 60° SW.

   At present the portal is plugged with ice at 50 feet. The vein near the portal and further on its extension was located and sampled and some samples taken from the dump.

2. Dail Creek Showing: (also see Cairnes 1916 from Memoir 312)
   Quartz vein in fissure in granite 10± inches wide with galena dissemination carrying gold values. Vein strikes N82°W and dips 80°S.

   The trench was located and sampled. More work is required to further assess this showing by hand trenching. It appears small but selected assays ran well in gold at time of discovery.

   A number of other old and new surface trenches were located and sampled and are included in the Sample Description Appendage.

Recommendations

Further trenching needs to be done, preferably by bull dozer, to delineate known mineralization. Assay results should help identify targets for the trenching.

SAMPLE DESCRIPTION

GOLD HILL
August 1984

P7003	Quartz Float - west side/Camp Hill
P7004	Quartz Float - west side/Camp Hill
P7005	NW Slope/Camp Hill
P7006	NW Slope/Camp Hill
P7007	Zone #1 (L4500N/5000E to 4750E) Breccia Quartz
P7008	Zone #1/Quartz
P7009	Zone #1/Quartz calcite
P7010	Zone #1/Quartz
P7011	Zone #1/Grey white quartz
P7012	Zone #1/Quartz
P7013	Zone #1/Quartz calcite
P7014	South Zone (2100N/5030E) Rusty quartz
P7015	South Zone (2100N/4835E) Quartzy ledge in buck brush
P7016	South Zone (2100N/4805E) Grubby quartz/Cu stain
P7017	South Zone/Rusty quartz/area as above
P7018	Mineralized quartz breccia from shaft
P7019	Non-mineralized quartz breccia from shaft
P7020	20m E of BL2775N/Quartz/rusty spots
P7021	20m W of BL2890N/Quartz/rusty spots
P7022	12m W of BL2920N/Grey quartz
P7023	12m W of BL3200N/gopher hole/rusty quartz
P7024	20m W of BL3275N/trench quartz with galena
P7025	20m W of BL3275N/trench bluish quartz
P7083	BL6100N/trench/min. quartz
P7084	Non-mineralized quartz/same location
P7085	6175N/4970E Buff limey Qt - Cu
P7086	30m W of BL6200N/Quartz calcite
P7087	BL6320N/Rusty quartz
P7088	Pit #1P-CR 1,2/Quartz in granite/pit
P8089	BL6400N/Quartz with galena
P7090	BL6400N/Quartz with black specks Trend of Quartz Float east 80° for 300 feet
P7091	BL6400N/rusty quartz
P7092	BL6400N/rusty quartz/end of trench
P7093	Soft grey rock with pyrite
P7094	N. slope Gold Hill-Gold Reef area/rusty quartz from vn
P7095	N. slope Gold Hill-Gold Reef area/white quartz from vn minor pyrite
P7096	N. slope/random quartz/Gold Reef Dump
P7097	N. slope/quartz by portal/non-mineralized
P7098	Line 3225N - 5000E to 5050E/grid-quartz-Cu
P7099	Line 3225N - 5000E to 5050E/grid-quartz-Pb
34734	Dail Creek/quartz/bd of Red Rocks/Dail Cr. Forks
34735	Dail Creek/siliceous rock with pyrite and fluorite/Red Zone
P7177	Dail Creek Trib @ 5200 El/vuggy quartz float with marcasite and sooty black mineral

Sample Description (continued)

P7178	West (main?) trib Dail Creek @ 5300'/white quartz in greenstone pyrite cubes/sparse Pb
P7179	Buff weathered quartz/chl atleration/very minor fine sulfides/mariposite minor/El 4730' in Dail Creek
P7180	Dail Creek (west) 4750'/angular quartz float
P7181	Dail Creek Junction/4750'/buff weathered silic tuff/ fine pyrite/scattered grab in place
P7182	Same as P7181
P7183	Same as P7181
P7184	White quartz/cirque SE Camp Hill @ 5350'
P7185	Buff white quartz/alt sheared grstone as above
P7186	4260N/5042E White quartz
P7177	(?)
P7188	Pass to Gold Reef @ 5440'/min. pyrite in buff weathered yellow to smokey quartz/west slope?/ El 5440
P7189	Rim/upper Dail Creek Valley/300m NE Camp/rusty white quartz
P7190	Same as P7189
P7191	Same as P7189
P7192	4550N/5050E/sample quartz
P7193	4710N/5015E/sample quartz
34736	Gold Reef Dump/white quartz/chl alt with py. Pb (moderate)
34737	Gold Reef Dump/sheared volc - massive pyrite
34738	Gold Reef Dump/quartz white to brown/moderate diss. py slight fine Pb

INTERIM PROGRESS REPORT

CAT TRENCHING AND SOIL SAMPLING

ON

CR

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION LTD.

PROJECT 901 (GOLD HILL)

A. HEAGY
G. HARRIS
K. WILSON

AUGUST 12 - 16, 1984

INTERIM PROGRESS REPORT
PROJECT 901 (GOLD HILL)

Access

The Gold Hill area is now accessible by 4-wheel drive vehicle. It takes some 1 1/2 hours to drive from the turnoff on the Annie Lake Road up the Hodnett Lake Road to the camp site. The Cat has opened up a road from the camp site up to the top of Gold Hill. All areas on the top of the Hill are driveable.

Camp Set Up

A two-room 12'X24' shack was built for use as a cook-house and sleeping quarters. A plywood floor and 6' frame was built for a 9'X12'X3' tent. An outhouse was also built.

Grid Establishment and Soil Sampling

A total of 2,000 metres of new grid was established in three areas surrounding the 2100N, 3200N and 4500N trenches. Over two hundred soil samples were collected from these areas at a 10 metre spacing. The "B" horizon is generally at 20 to 50cm depth and soil sampling is slow due to the stoney ground. Samples are being analysed by Rossbacher Lab for Au, Ag, and Pb geochemistry.

Trenching, Mapping and Sampling

Cat trenching was carried out in four areas of the claims as shown on the various grid maps. Trenches 1 to 9 are located at the north end of Gold Hill between 6000N and 6400N. The other three trenches were near lines 5400N, 3200N and 2100N. All four areas lie within 100 metres either side of the grid baseline, 5000E.

Most of the trenches trend grid east, 060° (±10°), running across the strike of the geology. The trenches are 0.5 to 2 metres deep and average about 1 metre depth. They are floored by broken rock material which appears to be either close to in situ or local frost-heaved material. In most cases the depth of the trenches was limited by frozen ground.

2100N Trench

This trench lies just north of an old working on a quartz breccia vein. This same vein is exposed in the trench across a 5 metre width. The vein consists of grey-white glassy quartz with highly altered fragments of wallrock and is weakly mineralized with malachite, azurite and limonite after sulphides. In the trench, this vein lies immediately west of an 11 metre wide band of white crystalline carbonate. The distribution of vein float indicates that the vein trends approximately 110° and crosscuts the geology.

A second band of carbonate rock is present to the east of the trench but is not mineralized or silicified.

3200N Trench

This trench exposes the full width of the band of carbonate rock in the vicinity of a galena showing which had been hand-trenched by previous workers. The carbonate rocks are present across a 75 metre wide zone which includes a few 1 to 10m wide bands of chloitic metavolcanic rocks and granodiorite dykes. The easternmost 7 metres of the zone consists of an orange-weathering carbonate-quartz rock which contains minor galena at the eastern edge and traces of malachite near the middle. The silica content varies from 0

to +75%. A 3 metre wide dyke of crushed granodiorite present to the west of the orange-weathering carbonate rock has rusty clay gouge along both margins. The carbonate rock to the west of this dyke is white tan-to-grey-weathering and contains only minor quartz and some 1cm wide bands of epidote. Rare traces of malachite and galena were noted in the carbonate rock to the east of the baseline.

4500N Trench

This trench exposes the carbonate rock in the area of some quartz breccia float. The zone here is 27 metres wide. It is bounded on the east by chloritic metavolcanics and in the west by a younger chlorite-carbonate ± hematite altered feldspar porphyry. There is a 4 metre wide, orange to grey-white clay-carbonate gouge zone at the porphyry-carbonate rock contact.

The carbonate rock contains a sparse network of 1 to 5mm wide quartz veinlets. It also contains a 5 metre wide zone of siliceous breccia with dark grey angular fragments of silica ± kaolin "knots" in a white chalcedonic quartz matrix.

North Trenches, 6000N to 6400N

A total of nine trenches were excavated in the North Grid area. Trenches 1 to 7 lie on the west side of the baseline and cross the trend of quartz-carbonate float which locally contains tetrahedrite mineralization. Most of these trenches do expose this zone. Trenches 8 and 9, east of the baseline, also cross a trail of quartz vein float in the metavolcanics but the source of this vein material is not exposed in the trenches.

The carbonate-quartz zone has an overall strike of close to 330°. The zone appears to pinch and swell and varies from a single carbonate-quartz band up to +15 metres wide to numerous narrow veins, shears and gouge zones striking between 320° and 010°. In all the trenches the various lithologies are highly fractured and altered.

Trench #1 is all in the granodiorite. Right in the vicinity of the baseline the granodiorite is bleached with a strong clay/sericite alteration and minor quartz veining up to a few centimetre width.

In trench #2, the zone is 14 metres wide. The western half of the zone is more siliceous and has a subtle, banded to brecciated appearance. It contains traces of pyrite and tetrahedrite associated with fine glassy quartz veinlets. A few of these mineralized veinlets are also present in the granodiorite adjacent to the carbonate-quartz zone.

Similar tetrahedrite-mineralized quartz veinlets are also present in the next trench to the north. Here they are present near the western edge of the 10m wide carbonate zone. The 10m section to the west of this carbonate zone consists of alternating sheared, bleached, altered granodiorite and rusty-weathering 0.5 to 2m wide carbonate veins.

In trench #4 the zone has narrowed to a 2.5 metre wide carbonate band adjacent to a 1 metre wide banded grey quartz vein. The structure in this trench is quite complex with several gouge and breccia zones and a few granodiorite and feldspar porphyry (andesite?) dykes. The granodiorite to the west of the carbonate zone includes a 2 metre wide breccia zone with a rusty clay matrix and a 7 metre wide zone of rusty sheared sericite-carbonate-pyrite altered granodiorite.

This limonitic granodiorite is present in trench #5 on the west side of a 5 metre wide massive carbonate-quartz band. The 11 metre section to the east of this band is a shear zone with fragments of carbonate rock, altered granodiorite and metavolcanic in a clay-carbonate gouge.

In trench #6, this carbonate band has widened to 23 metres wide and is cut by a 2 metre wide andesite dyke. Sparse quartz veinlets are locally present but no mineralization was noted.

Less than 50 metres to the north, the carbonate zone has pinched down to at most a few metres wide as seen in a few float pieces in trench #7. The zone does reappear down the slope to the north.

Conclusions and Recommendations

Cat trenching and soil sampling was carried out in four areas of the CR claims. The targets are located over 4400 metres of strike length along a narrow band of carbonate and metavolcanic rock.

The most interesting area appears to be the siliceous breccia uncovered in the 4500N trench although all four areas contain favourable mineralization. The results of the rock sampling and soil sampling near the 4500N breccia zone indicates that the zones have a weak geochemical signature.

No soil sampling was carried out in the area of the NORTH GRID since the ground was snow-covered and frozen at the time. A picket grid should be established over this area before further work is carried out. Additional grid lines are also needed for control on mapping to tie in the geology between the four grids.

Although a start was made on melting the ice out of the Gold Reef Adit, it would take at least a week of continuous heating and mucking to make significant progress. (The kerosene heater and about 7 gallons of kerosene are still in the adit).

Work to date on the Gold Hill property indicates a very strong potential for an epithermal precious metal deposit. The results of the latest work should be useful in selecting targets for a drilling program.

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/6

SAMPLER HEAGY

PROJECT Gold Hill

LINE

DATE SEPT 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Sb.
(1)	23216B	TRENCH 7	glassy qtz vein	epidote at margins			in metavolcanics	0.5m			
(2)											
(3)											
(4)	84-CR-AS-1	3200N TRENCH	limonitic gouge	along edge of gdite 'dyke'				3cm			
(5)	84 CR-AS-2	1500N TRENCH	white clay gouge zone	cut carb-chl altrd			'soil' sample	1m			
(6)	84 CR-AS-3	"	"	andesite (Tv) porphyry			"	1m			
(7)	84CR-AS-4	"	limonitic gouge zone	"			"	1m			
(8)											
(9)											
(10)											
(11)											
(12)											
(13)											
(14)											
(15)											
(16)											
(17)											
(18)											
(19)											
(20)											

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/6

SAMPLER HEAGY

PROJECT GOLD HILL 901

LINE

DATE SEPT 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Sb.
(1)	23221A	TRENCH#3	quartz-carbonate rx		traces of ff py in fine glassy qtz granules		banded gray-wh qtz+carb	7m			
(2)	23222A	"	granodiorite	clay-ser-allin	v.trace traces of ff, mal.		1 to 5cm gray to glassy quartz veining	5m			
(3)	23223A	"	carbonate-quartz rock		traces of ff at E end.			10m			
(4)	23224A	"	sheared gdiite with carb veining/gouge				alternating carb veins and sheared gdiite (1-2m)	10m			
(5)											
(6)	23201B	TRENCH 5	white carb-clay gouge/vein				2 zones either side of 2m chl. andesite	2x1m			
(7)	23202B		carbonate + 1m banded qv					3.5m			
(8)	23203B		granodiorite+ metavolcanics breccia zone	rusty clay gouge			recessive gouge/breccia zone/wet	3m			
(9)	23204B		rusty altrd granodiorite	ser-py-carb alteration	rusty, limonite after pyrite			7m			
(10)	23205B	TRENCH 6	Carbonate-qtz vein				Cuts metavolcanics	1m			
(11)	23206B	"	shear zone	altrd gdiite + metavolcanic fragments	carbonate + clay		carbonate gouge	5m			
(12)	23207B	"	"	"	"	"	"	6m			
(13)	23208B	"	carbonate-qtz rock					5m			
(14)	23209B	"	"					6m			
(15)	23210B	"	"					3m			
(16)	23211B	"	granodiorite-metavolcanic qtz-carb bx	sheared gdiite + metavolcanic frags	lt carb-qtz allin + veinlets		0.5 to 5cm qtz veins with ff at contact w carb bx	5m			
(17)	23212B	TRENCH	carbonate rock	sparse qtz veinlet stockwork (to 2cm veinlets)				8m			
(18)	23213B		"	"				8m			
(19)	23214B		carbonate rock					5m			
(20)	23215B		limonitic chloritic andesite	clay-rich metavolc frags			includes 1m carbonate	10m			

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/16

SAMPLER HEAGY

PROJECT Gold Hill 901

LINE

DATE SEPT 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Sb.
(1)	23201A	2100N TRENCH	white carbonate					2m			
(2)	23202A	"	glassy quartz vein breccia	fragments of altid gdite, carb.	limonite, malachite azurite after ?			5m			
(3)	23203A	"	white carbonate					5m			
(4)	23204A	3200N TRENCH #1	glassy qtz chl epi vein				in metavolcanics	2x 10-30cm			
(5)	23205A	"	silicified metavolcanic	silicification abo 20cm qtz-carb vein			2 metre E from vein 5 metre W	7m			
(6)	23206A	"	orange-weathering qtz-carb rx		galena at east edge traces of malachite			7m			
(7)	23207A	"	carbonate rock		traces of galena			10m			
(8)	23208A	"	white & gray carbonate rock	± 1cm bands of epidote	traces of malachite			10m			
(9)	23209A	"	"	"	"			10m			
(10)	23210A	"	"				includes a 1m band of metavolcanics	10m			
(11)	23211A	"	"				overlaps sample 23210A	8m			
(12)	23212A	"	"					10m			
(13)	23213A	4500N TRENCH	gouge zone	± limonitic, clay				4m			
(14)	23214A	"	quartz-carb breccia				includes 5m of siliceous breccia, 23217A	10m			
(15)	23215A	"	carbonate rx	sparse stockwork of 1-3mm qv	NVM			7m			
(16)	23216A	"	"	"	"			7m			
(17)	23217A	"	chalcedonic quartz breccia	clay "knots"			dark gray siliceous fragments in white qtz matrix	5m			
(18)	23218A	"	gouge zone and altid volcanics (Av)	limonitic to gray gouge zone + chloritic andesite ?	2x 5cm fine gray banded qv			5m			
(19)	23219A	TRENCH #1	granodiorite	strong argillic + weak QSI altn	weak quartz veining to few cm			12m			
(20)	23220A	TRENCH #3	carbonate rx	minor quartz, chlorite	NVM			7m			

205 ROGER STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/16

SAMPLER HEAGY

PROJECT Gold Hill 901

LINE

DATE SEPT 1984

AIR PHOTO No.

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(1)	23201A	2100N TRENCH	white carbonate					2m				
(2)	23202A	"	glassy quartz vein breccia	fragments of altrd gdlk, carb.	limonite, malachite azurite after ?			5m				
(3)	23203A	"	white carbonate					5m				
(4)	23204A	3200N TRENCH #	glassy qtz ± chl, epi vein				in metavolcanics	2x 10-30cm				
(5)	23205A	"	silicified metavolcanic	silicification about 20cm qtz-carb vein			2 metre E 5 metre W from vein	7m				
(6)	23206A	"	orange-weathering qtz-carb rx		galena at east edge of vein malachite			7m				
(7)	23207A	"	carbonate rock		traces of galena			10m				
(8)	23208A	"	white + gray carbonate rock	± 1cm bands of epidote	traces of malachite			10m				
(9)	23209A	"	"	"	"			10m				
(10)	23210A	"	"				includes a 1m band of metavolcanics	10m				
(11)	23211A	"	"				overlaps sample 23210A	8m				
(12)	23212A	"	"					10m				
(13)	23213A	4500N TRENCH	gouge zone	± limonitic, clay				4m				
(14)	23214A	"	quartz-carb breccia				includes 5m of siliceous breccia, 23217A	10m				
(15)	23215A	"	carbonate rx	sparse stockwork of 1-3mm qv	NVM			7m				
(16)	23216A	"	"	"	"			7m.				
(17)	23217A	"	chalcedonic quartz breccia	clay "knots"			dark gray siliceous fragments in white qtz matrix	5m				
(18)	23218A	"	gouge zone and altrd volcanics (tv)	limonitic to gray gouge zone + siliceous andesite ?	2 x 5cm fine gray banded qv			5m				
(19)	23219A	TRENCH # 1	granodiorite	strong argillic + weak chl alteration	weak quartz veining to few cm			12m				
(20)	23220A	TRENCH # 3	carbonate rx	minor quartz, chlorite	NVM			7m				

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/16

SAMPLER HEAGY

PROJECT Gold Hill 901

LINE

DATE SEPT 1984

AIR PHOTO No.

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(3)	23203A	"	white carbonate					5m			
(4)	23204A	3200 N TRENCH #1	glassy qtz ± chl, epi vein				in metavolcanics	2x 10-30cm			
(5)	23205A	"	silicified metavolcanic	silicification about 20cm qtz-carb vein			2 metre E 5 metre W from vein	7m			
(6)	23206A	"	orange-weathering qtz-carb rx		galena at east edge trace of malachite			7m			
(7)	23207A	"	carbonate rock		traces of galena			10m			
(8)	23208A	"	white/gray carbonate rock	± 1cm bands of epidote	traces of malachite			10m			
(9)	23209A	"	"	"	"			10m			
(10)	23210A	"	"				includes a 1m band of metavolcanics	10m			
(11)	23211A	"	"				overlaps sample 23210A	8m			
(12)	23212A	"	"					10m			
(13)	23213A	4500 N TRENCH	gouge zone	± limonitic, clay				4m			
(14)	23214A	"	quartz-carb breccia				includes 5m of siliceous breccia, 23217A	10m			
(15)	23215A	"	carbonate rx	sparse stockwork of 1-3mm qtz V	NVM			7m			
(16)	23216A	"	"	"	"			7m			
(17)	23217A	"	chalcedonic quartz breccia	clay "knots"			dark gray siliceous fragments in white qtz matrix	5m			
(18)	23218A	"	gouge zone and altid volcanics (?)	limonitic to gray gouge zone + chloritic andesite ?	2x 5cm fine gray banded qtz			5m			
(19)	23219A	TRENCH #1	granodiorite	strong argillic + weak chl altn	weak quartz veining throughout			12m			
(20)	23220A	TRENCH #3	carbonate rx	minor quartz, ± chl	NVM			7m			

-61

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WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/6

SAMPLER HEAGY

PROJECT Gold Hill 901

LINE

DATE SEPT 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	Ag.	Sb.	
(1)	23201 A	2100 N TRENCH	white carbonate					2m				
(2)	23202 A	"	glassy quartz vein breccia	fragments of altid gdrk, carb.	limonite, malachite azurite after ?			5m				
(3)	23203 A	"	white carbonate					5m				
(4)	23204A	3200 N TRENCH A	glassy qtz ± chl, epi vein				in metavolcanics	2x 10-30cm				
(5)	23205A	"	silicified metavolcanic	silicification about 20cm qtz-carb vein			2 metre E 5 metre W from vein	7 m				
(6)	23206A	"	orange-weathering qtz-carb rx		galena at east edge trace malachite			7m				
(7)	23207A	"	carbonate rock		traces of galena			10m				
(8)	23208A	"	white-gray carbonate rock	± 1 cm bands of epidote	traces of malachite			10m				
(9)	23209A	"	"	"	"			10m				
(10)	23210A	"	"				includes a 1m band of metavolcanics	10m				
(11)	23211A	"	"				overlaps sample 23210A	8m				
(12)	23212A	"	"					10m				
(13)	23213A	4500 N TRENCH	gouge zone	± limonitic, clay				4m				
(14)	23214A	"	quartz-carb breccia				includes 5m of siliceous breccia, 23217A	10m				
(15)	23215A	"	carbonate rx	sparse stockwork of 1-3mm qtz V	NVM			7m				
(16)	23216A	"	"	"	"			7m.				
(17)	23217A	"	chalcedonic quartz breccia	clay "knots"			dark gray siliceous fragments in white qtz matrix	5m				
(18)	23218A	"	gouge zone and altid volcanics (?v)	limonitic to gray gouge zone, chloritic andesite ?	2 x 5cm fine gray banded qtz			5m				
(19)	23219A	TRENCH # 1	granodiorite	strong argillic + weak altn	weak quartz veining to few cm			12m				
(20)	23220A	TRENCH # 3	carbonate rx	minor quartz, chlorite	NVM			7m				

INTERIM PROGRESS REPORT

ON

MED

MINERAL CLAIMS

FOR

TALLY-HO EXPLORATION LTD.

PROJECT 902 (TALLY-HO MOUNTAIN)

NTS 105D/3E

A. HEAGY

AUGUST 10 - 21, 1984 A. DODGE

INTERIM PROGRESS REPORT
PROJECT 902 (TALLY-HO MOUNTAIN)
NTS 105D/3E

Camp Location

5000 feet on creek at north edge of claims. Well protected from wind. Other possible sites on top (and on creek to south) are less protected but have available water and are closer to area of interest.

Claim post location and tagging: All posts where a helicopter could land are standing, tagged and flagged.

Tagged:

MED 1 & 2 Post 2 - MED 3 & 4 Post 1
MED 3 & 4 Post 2 - MED 5 & 6 Post 1
MED 5 & 6 Post 2 - MED 7 & 8 Post 1
MED 7 & 8 Post 2 - MED 9 & 10 Post 1
MED 9 & 10 Post 2 - MED 11 & 12 Post 1
MED 17 & 18 Post 2 - MED 19 & 20 Post 1
MED 21 & 22 Post 2 - MED 23 & 24 Post 1

Not Tagged:

MED 1 7 2 Initial Post
MED 11 & 12 Post 2 - MED 13 & 14 Post 1
MED 13 & 14 Post 2 - MED 15 & 16 Post 1
MED 15 & 16 Post 2
MED 17 & 18 Post 1
MED 19 & 20 Post 2 - MED 20 & 21 Post 1
MED 23 & 24 Post 2 - MED 25 & 26 Post 1
MED 25 to 32 Not Tagged

Grid Establishment

Baseline runs along upper claim line (140°) from BL 3780N to BL 1400N, pickets every 20m. BL 3500N = MED 1 & 2 Post 2 - MED 3 & 4 Post 1. (Note baseline north of 3500N trends approximately 150°, cross-lines are at 060° all lines to south run 050°). Cross lines vary from 100 to 500m long and numbered E or W of BL. No lines were run easterly in the saddle area where a short picket grid run 120° + 030° was already in place. Both grids are shown on the 1:5000 map.

Prospecting Coverage

All the area above 5000 feet on the east side of Tally-Ho Mountain was covered. In addition the north creek (and valley) was prospected down to 4000 feet. The southwest block of MED CLAIMS and the BARR CLAIMS on the northern slope were not examined. The former could be best prospected from a camp either on the south creek or down in the valley flats.

Sampling

A total of 55 rock samples were collected, almost all quartz vein material $\pm$ py, cpy, malachite, galena. This should provide thorough coverage of quartz veins. In addition, 289 soil samples were collected on the grid in areas of quartz vein float and where the metavolcanic unit was not well exposed. Soil sampling extends over all the rock units except the porphyritic quartz monzonite in the northwest claim area. Four spot check soil samples and two silt samples were also collected (total of 3 boxes of rocks and boxes of soils as labelled to Bondar-Clegg).

NOTE: No requisition forms have been included with the samples. I assume you intend to analyse for Au and Ag but have not enclosed any instructions with the samples. There is also a box of rocks labelled: to Tally-Ho office. This has representative duplicate samples of several of the quartz vein geochemical samples. The MED claims tags not used are also included in the box.

Geology

The geology of the MED claims corresponds generally but not exactly with any of the three regional geological maps (Cairnes, Wheeler, Morrison). Seven map units were used for the 1:5000 geology map.

Pyroxenite

This ultramafic intrusive rock is shown on all previous maps. It is a red-brown to grey weathering, dark grey medium-grained massive pyroxenite locally with serpenting $\pm$ chlorite alterations associated with small shears. Its relationship to the Unit 2 rocks are present with pyroxenite outcrops on either side on the top of the ridge. The relationship could be Unit 2 intruding Unit 1 (agreeing with Morrison's age grouping), or Unit 1 intruding Unit 2 (agreeing with Cairnes and Wheeler) or a repeated fault contact.

Foliated Diorite

This unit is an unusual appearing foliated chlorite coarse-grained, diorite (?) and includes several phases including: feldspar, augen, gneiss, a hornblende augen, gneiss, gabbro, minor granodiorite and quartz diorite,

pegmatitic segregations and inclusions (?) of Unit 3 and possibly Unit 7 dykes.

Metavolcanic Rock

This is a heterogeneous package of what appears to be metamorphoric basaltic to andesitic volcanic tuffs and/or flows. The rock is characteristically grey to green-grey, blocky weathering, finely banded and foliated (gneissic). It includes minor amounts of fine-grainted hornblende augen gneiss, foliated medium-grained diorite, amphibolite gneiss and small pods of epidote $\pm$ diopside $\pm$ garnet skarn non-foliated fine-grained diroite and feldspar $\pm$ augite (?) andesite porphyry dykes or flows were also noted. These may be younger than the foliated rocks (ie. Unit 7) but are of similar composition.

Carbonate

Fine-crystalline grey to white limestone $\pm$ silty laminae, white to tan dolomite with interbeds of dark green chloritic basaltic tuff and tan to rusty siltstone $\pm$ epidote - garnet - quartz - calc-silicate - pyrite skarny pods.

Granodiorite

Equigranular, medium-grained well-jointed, white to grey biotite-hornblende granodiorite. Mafics slightly chloritic, otherwise fresh appearing. CL 10-15.

Quartz Monzonite

Leucocatic (CL $\pm$ 5) medium to coarse grained, white quartz monzonite with 10 to 20% pinkish grey zoned. Euhedral

K-spar/albite? feldspar phenocrysts to 3 cm.

Later Dykes

Fine-grained grey feldspar ± augite porphyrytic andesite dykes. One to three metres thick, flat lying to moderately dipping. Cuts all rock types. No preferred strike noted.

Fine-grained chloritic diorite and/or diabase dykes. Cut all rock types. One to two metres thick, flat to steeply dipping. No preferred orientation noted.

Quartz Veining and Mineralization

Quartz vein material is locally abundant on the MED claims but large areas of the claims have no veining at all. No distribution of the veins is closely associated with the lithology. Units 1, 2, 5, 6, and 7 rarely contain quartz veins. Almost all are similar to that found in the fall of 1983 on the top of Tally-Ho. The veins are rarely seen outcropping but form talus trails. The most common vein type is white, fine-grained sugary ± mosaic-textured quartz; coarse-crystalline white to glassy "bull quartz" is also fairly common. White, banded cockscomb-textured vuggy crystalline quartz and veins with angular altered fragments of wall rock are widespread, but uncommon. About 10% of the vein float material in with the metavolcanic rocks contains iron-stained quartz with minor malachite on fractures and traces of fine-grained tarnished pyrite and chalcopyrite. Only one piece of vein with traces of galena was found; magnitite was noted in several samples. Apparent vein widths were generally obscured in overburden. A silicified, brecciated rock was more widespread but not abundant. This silicified limestone (?) varies from pervasive fine-grained

quartz after limestone to a finely fragmented limestone or dolostone with a stockwork of quartz veinlets. Felsenmeer of this rock type indicates that it occurs in narrow (± 10m) zones or lenses.

A few weak think quartz ± calcite veins and chloritic shears with minor malachite occur in the foliated diorite. Minor quartz veins in the granodiorite were also sampled. The latter occasionally had chlorite ± sericite alteration envelopes. The quartz monzonite contained no veining except for a rusty shear zone exposed at about 4000 feet elevation along the creek running west from the campsite. This shear consists of two outcrops and a trail of rusty talus and strikes 095 on the steep north bank of the creek. The zone can be traced a total of approximately 90 metres and is lost under talus at either end; to the east of the zone is 1.5 metres wide (chip sample 7933E). The shear contains sericite-pyrite altered quartz monzonite with a stockwork of fine quartz veins from 0.1 to 10cm wide. The larger quartz veins contain coarse pyrite cubes and clasts and up to a few percent galena.

Conclusions and Recommendations

The quartz veining found on the MED claims is confined to the eastern saddle and upper ridge area on Tally-Ho Mountain. The veins on the western side of the ridge appear to be similar in nature to those trenched on the eastern side in 1983 but do not appear to be as wide. The only other area of mineralization on the claims is a small rusty shear zone at 4000 feet elevation on the camp creek.

The quartz veins found on the claims were thoroughly sampled by both rock and soil geochemistry. Further work on the

claims is dependent on the results of this sampling. Further prospecting in the southern most and southwest areas of the claims could be carried out from a camp in Partridge Pass but is not a high priority.

[illegible] EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE. YUKON

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105 D3E

SAMPLER HEAGY

PROJECT MED Claims

LINE

DATE AUGUST 1983

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
84-MED AS-1	west slope	5	C	brown	talus fines	/		mod steep	/	brownish - weathered zone of fractured foliated diorite/gabbro gravel, Fe-coated				
AS-2	29+30N 01+80W	5	C	orange brown	fines	/		mod.	/	rusty soil with rusty gravel of Pyritic aplite? in metavolcanics				
AS-3	N. of slope meta-vol/ 1st contact	5	C	orange-yellow	"	/		mod steep	/	gravelly talus zone of orange weathering siltstone at metavolcanics / 1st contact				
AS-4	29+80N 4+50E	5	C	orange-brown	talus fines	/		gentle	/	zone of iron carbonate vein/altid limestone? talus edge of metavolcanics				

205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D 3E

SAMPLER HENRY

PROJECT MED CLAIMS

LINE

DATE AUGUST

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Sb.	
(1)	07941E	35+40N 2+00E	white f-g quartz V	epidote, chlorite tr	NVM	trend of float		5 to 10 cm				
(2)	7942E	30+60N 15+20E	siliceous rst breccia + q veining	silicified + brecciated rst	with 0.1 to 40 cm wt qtz veins	float have	chip samples from footwall zone					
(3)	7943E	103+30N 93+05E	"	similar to above Orange weathering		"	dolomite?					
(4)	7944E	29+50N 9+60E	c. xtal to bull qtz w coarse wt feldspar		magnetite py epidote py	talus	feldspar near vein margins	10 cm				
(5)	7945E	28+50N 3+10E	Quartz vein course, white		1% cpy, 1% py + mal.	talus	talus pieces 2 to 10cm across					
(6)	7946E	31+40N 71+00E	white f-g quartz		NVM	float	2 pieces	20 cm				
(7)	7947E	~150m upstream of 33N line	brecciated qtz vein w feldspar & chl	brown stain	traces of v.f py	float		20 cm				
(8)	7948E	in creek 50m above	Quartz - carbonate bx.	tan weathering	traces of v.f pyrite?	float	20x30x50 cm³ piece					
(9)	7949E	33N 01+60E "	white "bull" qtz		NVM	"		120 cm				
(10)	7950E	near top of NW slope	quartz - calcite vein	Mn stain	trace malachite py, cpy	talus	in talus of foliated diorite to gabbro	10 cm				
(11)	7951E	19+45N 0+20W	Quartz vein	slightly rusty	NVM	float	with mela 3x from Chip sample of 10 pieces					
(12)	7952E	96+50N 98+50E	white Quartz vein		NVM	050°?	talus trend of white quartz offset from 7953	30 cm				
(13)	7953E	164+50N 98+10E	Quartz vein talus	rusty to white	well mineralized with malachite	talus	adjacent to old stone cairn					
(14)	7954E	BL 24N	white qtz vein	in talus of mafic foliated diorite	NVM	float	grab sample of numerous vein float					
(15)	7955E	26+63N On BL	white qtz vein float	f-g sugary massive qtz	NVM	float (FM)	Similar vein material to east on slope	to 20cm				
(16)												
(17)												
(18)												
(19)												
(20)												

205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/3E

SAMPLER HEAGY

PROJECT MED CLAIMS

LINE

DATE AUGUST 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH / TRUE WIDTH	ASSAYS Au.	As.	Sb.	
(1)	07921E	19+95N 0+03E	wt q v talus		NVM	talus	10x15 cm piece q v scree					
(2)	07922E	99+50N 99E	white q v	fragments of meta vx wallrx	traces mal, epidote, magnetite	talus	in mixed talus					
(3)	7923E	99+60N 99+75E	banded calcsilicate qtz vein		traces py, MnO2	talus	several pieces in metavolcanic talus	5cm				
(4)	7924E	5m below 7923E	slightly rusty qtz vein	f.g qtz	minor py, magnetite mal, epidote chl	talus		1/10 cm				
(5)	7925E	27+40N 11+60E	wkly rusty qtz vein		mal, py, cpy	talus	old showing with cairn + post	two 60cm				
(6)	7926E	28+80N 11+55E	f g wt quartz v		NVM	talus trail	chip sample of 50x50x50cm³ block	150 cm				
(7)	7927E	26+70N 01+20E	wt f.g qtz with chl bands	limonite on fractures	minor malachite	float	in with meta vx float					
(8)	7928E	26+80N 01+20W	glassy wt to colourless qv	gypsum xtals on fractures	traces of thermal py + mal	talus	in chlorite wallrock 15 x 20 x 30 cm³ block					
(9)	7929E	26+40N 1+35W	white f.g q v		NVM	frost heave	mixed float	5 to 10cm				
(10)	7930E	~1000' on N creek	rusty shear in qtz monz	pyrite-sericite alt'n	wk qv w coarse py, lim+galena	095/V	chip sample across 20cm altd rx + qv + gal.	+ 20cm				
(11)	7931E	"	quartz vein in shear	"	galena + 1% minor py	"	"high grade" sample	5 to 10cm				
(12)	7932E	"	rusty shear zone	"	±qv w py gal	095/V	chip sample	3m				
(13)	7933E	"	"	"	"	"	"	1.5m				
(14)	7934E	30+10N 1+80E	white sugary f.g qtz		NVM	talus	composite sample 6 pieces in metavx talus	5 to 10cm				
(15)	7935E	28+20N 01+30E	med xtalline to massive qtz	slightly rusty	<1% galena <1% pyrite	float	15 x 10 x 10 cm³ piece in talus vx fl					
(16)	7936E	5m from above	med xtalline vuggy qtz v.	wk altd limonitic vx fragments	NVM	frost heave	several similar pieces of float	~10 cm.				
(17)	7937E	24+05N 01+50W	f-g wt qtz w chl bands		NVM	float	mixed metavolcanic foliated diorite float	to 30cm				
(18)	7938E	28+95N 01+70W	white qtz vein + epidote		traces py, mal, limonite	talus	f.f metavolcanics					
(19)	7939E	N slope 37+80N/11+60E	qtz-epidote vein/lens	in chloritic metavolcanics		O/C	115 metres from metavx/gdite contact	20cm				
(20)	07940E	IVE creek North slope	qv peb in rusty siltstone	20cm x 2m pod wt qtz	minor pyrite near edges	O/C	in bed of rusty weathering siltstone in carbonated					

LEI XP ATI LIMITED
205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET — ROCK GEOCHEM SAMPLING

NTS 105 D/3 E

SAMPLER HEAGY

PROJECT MED CLAIMS

LINE

DATE AUGUST 1984

AIR PHOTO No.

	SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH cm	TRUE WIDTH	ASSAYS Au.	As.	Sb.
(1)	079 01E	~132N 2+40W	quartz vein in ~~peridotite~~ diorite	fine gr. grey-wt quartz	tarnished py + malachite on fractures	talus	in talus of foliated ~~peridotite~~ diorite	20cm				
(2)	02E	34+50N 2+00W	quartz vein w bx frags.	chl-clay(?) altd and rock(?) frags	vuggy chalcedonic quartz trace mal, + Mn	talus	in with talus of ~~peridotite~~ diorite minor gdite float.	+25cm				
(3)	03E	36N 1+80W	slightly quartz rusty vein	~10% fragments of altd gdite	traces of fine silvery pyrite	float	in creek bed	+ 20cm				
(4)	04E	35+50N 1+30W	quartz vein	minor chlorite	~1% coarse silvery mica	talus	below O/C OF granodiorite	5cm				
(5)	05E	~35+50N 1105W	quartz vein in gdite	50cm chl-ser altn selvage	traces of fine py on margin of V.	120/25N	largest of set of subtlel veins. faulted off to East.	5 to 10	5 to 10			
(6)	06E	37+85N 0+05W	quartz vein in gdite	5cm cockscomb texture at margins	0.1% pyrite + limonite after py	talus	some gdite fragments in vein ± chl-ser altn	~10cm				
(7)	07E	36+70N ~2+00W	~~pyroxenite~~ pyl. diorite sheared area	epidote-chlorite	traces of malachite + fine cpy	~50cm wide shear	by ~~CK~~ mine camp adj to ~~cont~~ gdite contact					
(8)	08E	~17+00N 2+00W	slightly rusty qtz vn		< 1% fine py cubes	talus trend		+ 20cm				
(9)	09E	22+40N 1+40W	sugary f.g wt qtz V		traces of malachite on fractures	float						
(10)	07910E	22+50N 1+00W	fractured wt qtz vein		trace malachite tarnish pyrite	float	60cm x 100cm	+ 60cm				
(11)	7911E	23+00N 0+60W	qtz veins		NVM	float	composite sample of vein float within 3m r.					
(12)	7912E	23+00N 0+80W	f.g. wt qtz vein		NVM	1 piece float	meta volcanic foliated diorite flt	10cm				
(13)	7913E	23+00N 0+95W	meta volcanic w qtz veining	fractures w bk tarnish	trace of malachite	float	irregular wt to clear qtz veinlets in meta	20 cm				
(14)	7914E	22+95N 0+40W	white f.g qtz vein		NVM	float	30 x 40 x 80cm block other smaller float also					
(15)	7915E	23+20N 0+45W	wt f.g qtz		mal heavily altd tarnished py	float ?)						
(16)	7916E	23+10N 0+50W	wt to slightly rusty qv	f.g sugary texture	NVM	talus / float	several pieces of talus					
(17)	7917E	BL 24+30N	wt qtz vein		trace mal	talus train	composite sample 6 piece	~30 cm				
(18)	7918E	BL 24+60N	" v.f sugary		NVM	talus/ float	composite sample of abundant qv float	1 to 10cm				
(19)	7919E	"	" coarse crystalline		~1% mal ± py	"	2 pieces same as above					
(20)	7920E	BL 24+80	rusty qv w by-wt texture		few % f gr silvery py(?)	talus	5 x 5 x 10cm piece					

205 ROGERS STREET
WHITEHORSE YUKON

GEOCHEMICAL DATA SHEET – STREAM SILTS

NTS 105 D3 E

SAMPLER HEAGY

PROJECT MED Claims

CREEK

DATE August 1984

AIR PHOTO NO.

SAMPLE NO.	VOLUME		VELOCITY	Ph	TYPE OF SAMPLE	COLOUR	TEXTURE	% ORGANIC MATERIAL	PETROLOGY OF BEDROCK AND/OR FLOAT	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
	Width	Depth									Au	As		
84-MED-AQ-1	2m		dry		silt talus	grey	fine to gravel	5	talcated diorite	meta volcanics, minor gdiorite, pyroxenite, qv(tmal), qtz pebble conq				
84-MED-AQ-2	2m		dry		"	"	"	"	"	"				

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE. YUKON

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105D/3 EAST

SAMPLER A. DODGE

PROJECT 902 MIED. CLAIMS
TALLY-HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL 20+	00N	20	C	BROWN	SANDY	5		MED.	GRASSY	Quartz Vein				
	0+20W	10	"	"	"	"		"	"	"				
	0+40W	15	"	"	"	"		"	"	"				
	0+60W	5	"	"	"	15		"	"	"				
	0+80W	"	"	"	"	5		"	"	"				
	1+00W	"	"	"	"	10		"	"	"				
	1+20W	10	"	"	"	"		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	20	"	"	"	"		"	"	"				
	1+80W	10	"	"	"	"		"	"	"				
	2+00W	"	"	"	"	5		"	"	"				
BL 20+	20N	20	"	"	"	15		"	"	"				
BL 20+	40N	"	"	"	"	"		"	"	"				
BL 20+	60N	"	"	"	"	"		"	"	"				
BL 20+	80N	"	"	"	"	"		"	"	"				
BL 21+	00N	5	"	"	"	"		"	"	"				
	0+20W	"	"	"	"	10		"	"	"				
	0+40W	"	"	"	"	5		"	"	"				
	0+60W	"	"	"	"	"		"	"	"				
	0+80W	"	"	"	"	"		"	"	"				

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE. YUKON

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105 D/3 EAST

SAMPLER P. DODGE

PROJECT 902 MED. CLAIMS
TALLY-HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL 21+00W	(2)1+00W	10	C	BROWN	SANDY	10		MED.	GRASSY	Quartz Vein				
	1+20W	5	"	"	"	"		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	10	"	"	"	"		"	"	"				
	1+80W	"	"	"	"	"		"	"	"				
	2+00W	"	"	"	"	"		"	"	"				
BL 21+	20N	"	"	"	"	15		"	"	"				
BL 21+	40N	20	"	"	"	"		"	"	"				
BL 21+	60N	"	"	"	"	"		"	"	"				
BL 21+	80N	10	"	"	"	"		"	"	"				
BL 22+	00N	5	"	"	"	5		"	"	"				
	0+20W	10	"	"	"	10		"	"	"				
	0+40W	"	"	"	"	15		"	"	"				
	0+60W	"	"	"	"	10		"	"	"				
	0+80W	5	"	"	"	20		"	"	"				
	1+00W	10	"	"	"	15		"	"	"				
	1+20W	25	"	"	"	"		"	"	"				
	1+40W	20	"	"	"	"		"	"	"				
	1+60W	15	"	"	"	"		"	"	"				
	1+80W	10	"	"	"	10		"	"	"				

TALLY HO EXPLORATION LIMITED
205 ROGERS STREET
WHITEHORSE. YUKON

GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105D/3 EAST

SAMPLER A. DODGE

PROJECT 902 - MED. CLAIMS
TALLY - HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL 22+00W	22+00W	10	C	BROWN	SANDY	15		MED.	GRASSY	Quartz Vein				
BL 22+20N	0N	5	"	"	"	"		"	"	"				
BL 22+40N	40N	20	"	"	"	10		"	"	"				
BL 22+60N	60N	"	"	"	"	20		"	"	"				
BL 22+80N	80N	"	"	"	"	"		"	"	"				
BL 23+00N	00N	2	"	"	"	10		"	"	"				
	0+20W	15	"	"	"	"		"	"	"				
	0+40W	5	"	"	"	20		"	"	"				
	0+60W	"	"	"	"	"		"	"	"				
	0+80W	10	"	"		"		"	"	"				
	1+00W	20	"	"	"	35		"	"	"				
	1+20W	5	"	"	"	30		"	"	"				
	1+40W	"	"	"	"	20		"	"	"				
	1+60W	"	"	"	"	"		"	"	"				
	1+80W	20	"	"	"	15		"	"	"				
	2+00W	10	"	"		"		"	"	"				
BL 23+20N	20N	20	"	"	"	10		"	"	"				
BL 23+40N	40N	"	"	"	"	"		"	"	"				
BL 23+60N	60N	"	"	"	"	20		"	"	"				
BL 23+80N	80N	"	"	"	"	"		"	"	"				

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NTS 105D/3 EAST

SAMPLER H. DODGE

PROJECT 902 MED CLAIMS
TALLY-HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL24+0	0N	5	C	BROWN	SANDY	20		MED	GRASS	Quartz Vein				
	0+20W	2	"	"	"	10		"	"	"				
	0+40W	"	"	"	"	15		"	"	"				
	0+60W	"	"	"	"	5		"	"	"				
	0+80W	25	"	"	"	"		"	"	"				
	1+00W	10	"	"	"	15		"	"	"				
	1+20W	5	"	"	"	5		"	"	"				
	1+40W	"	"	"	"	10		"	"	"				
	1+60W	2	"	"	"	2		"	"	"				
	1+80W	"	"	"	"	5		"	"	"				
	2+00W	25	"	"	"	"		"	"	"				
BL24+2	0N	30	"	"	"	25		"	"	"				
BL24+	40N	30	"	"	"	20		"	"	"				
BL24+	60N	"	"	"	"	"		"	"	"				
BL 24+	80N	"	"	"	"	15		"	"	"				
BL 25+	00N	30	"	"	"	20		MED.	"	"				
	0+20W	20	"	"	"	25		"	"	"				
	0+40W	10	"	"	"	15		"	"	"				
	0+60W	5	"	"	"	5		"	"	"				
	0+80W	"	"	"	"	"		"	"	"				

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NTS 105D/3 EAST

SAMPLER A. DODGE

DATE AUG. 18/84

PROJECT 902 MED CLAIMS
TALLY-HO MOUNTAIN

LINE

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL25+00N	21+00W	5	C	BROWN	SAND	5		MED.	GRASSY	Quartz Vein				
	1+20W	"	"	"	"	"		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	25	"	"	"	10		"	"	"				
	1+80W	10	"	"	"	5		"	"	"				
	2+00W	20	"	"	"	25		"	"	"				
BL25+	20N	10	"	"	"	15		"	"	"				
BL25+	40N	5	"	"	"	10		"	"	"				
BL25+	60N	10	"	"	"	15		"	"	"				
BL25+	80N	20	"	"	"	"		"	"	"				
BL26+	00N	5	"	"	"	5		"	"	"				
	0+20W	"	"	"	"	"		"	"	"				
	0+40W	"	"	"	"	10		"	"	"				
	0+60W	20	"	"	"	20		"	"	"				
	0+80W	5	"	"	"	5		"	"	"				
	1+00W	"	"	"	"	10		"	"	"				
	1+20W	"	"	"	"	5		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	"	"	"	"	"		"	"	"				
	1+80W	"	"	"	"	"		"	"	"				

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GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105D/3 EAST

SAMPLER M. DODGE

DATE AUG. 18/84

PROJECT 902 MED CLAIMS
TALLY-HO MOUNTAIN

LINE

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL26+00N	2+00W	5	C	BROWN	SANDY	5		MED.	GRASSY	Quartz Vein				
	2+20W	5	"	"	"	"		"	"	"				
	2+40W	10	"	"	"	15		"	"	"				
	2+60W	5	"	"	"	"		GENTLE	"	"				
	2+80W	35	"	"	"	20		"	"	"				
	3+00W	5	"	"	"	10		"	"	"				
	3+20W	"	"	"	"	"		"	"	"				
	3+40W	20	"	"	"	20		"	"	"				
	3+60W	30	"	"	"	30		"	"	"				
	3+80W	40	"	"	"	15		"	"	"				
	4+00W	"	"	"	"	"		"	"	"				
	4+20W	20	"	"	"	25		"	"	"				
	4+40W	15	"	"	"	10		"	"	"				
BL26+20N		5	"	"	"	5		"	"	"				
BL 26+	40N	"	"	"	"	20		"	"	"				
BL 26+	60N	"	"	"	"	0		"	"	"				
BL 26+	80N	"	"	"	"	5		"	"	"				
BL 27+	00N	20	"	"	"	10		"	"	"				
	0+20W	15	"	"	"	20		"	"	"				
	0+40W	5	"	"	"	5		"	"	"				

TALLY HO EXPLORATION LIMITED
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GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105D/3 EAST

SAMPLER A. DODGE

PROJECT 902 MCD CLAIMS
TALLY-HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL2711	N+00+00W	5	C	BROWN	SANDY	10		GENTLE	GRASSY	Quartz Vein				
	0+80W	"	"	"	"	5		"	"	"				
	1+00W	"	"	"	"	"		"	"	"				
	1+20W	"	"	"	"	"		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	"	"	"	"	"		"	"	"				
	1+80W	10	"	"	"	10		"	"	"				
	2+00W	5	"	"	"	"		"	"	"				
	2+20W	"	"	"	"	"		"	"	"				
	2+40W	"	"	"	"	"		"	"	"				
	2+60W									" No sample - swamp				
	2+80W	25	"	"	"	30		"	"	"				
	3+00W	5	"	"	"	"		"	"	"				
	3+20W	20	"	"	"	"		"	"	"				
	3+40W	10	"	"	"	"		"	"	"				
	3+60W	"	"	"	"	"		"	"	"				
	3+80W	15	"	"	"	"		"	"	"				
	4+00W	5	"	"	"	"		"	"	"				
	4+20W	20	"	"	"	25		"	"	"				
	4+40W	"	"	"	"	"		"	"	"				

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GEOCHEMICAL DATA SHEET – SOIL SAMPLING

NTS 105D/3 EAST

SAMPLER A DODGE

PROJECT 902 MED. CLAIMS
TALLY-HO MOUNTAIN

LINE

DATE AUG. 18/84

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL27+00N	2+16OW	20	C	BROWN	SANDY	25		GENTLE	GRASSY	Quartz Vein				
	4+80W	"	"	"	"	"		"	"	"				
	5+00W	10	"	"	"	"		"	"	"				
BL27+	30N	"	"	"	"	10		"	"	"				
BL 27+	40N	"	"	"	"	20		"	"	"				
BL 27+	60N	5	"	"	"	2		"	"	"				
BL 27+	80N	"	"	"	"	10		"	"	"				
BL 28+	00N	"	"	"	"	"		"	"	"				
	0+20W	"	"	"	"	5		"	"	"				
	0+40W	15	"	"	"	25		"	"	"				
	0+60W	5	"	"	"	5		"	"	"				
	0+80W	"	"	"	"	"		"	"	"				
	1+00W	"	"	"	"	15		"	"	"				
	1+20W	"	"	"	"	10		"	"	"				
	1+40W	"	"	"	"	"		"	"	"				
	1+60W	"	"	"	"	"		"	"	"				
	1+80W	2	"	"	"	5		"	"	"				
	2+00W	5	"	"	"	15		"	"	"				
BL28+00N	1+20+20E	"	"	"	"	10		"	"	"				
	0+40E	10	"	"	"	15		"	"	"				

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SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL 28+00N	2+60E	5	C	BROWN	SANDY	10		GENTLE	GRASSY	Quartz Vein				
	0+80E	15	"	"	"	15		"	"	"				
	1+00E	5	"	"	"	"		"	"	"				
	1+20E	"	"	"	"	5		"	TALUS	"				
	1+40E	"	"	"	"	15		"	"	"				
	1+60E	"	"	"	"	10		"	"	"				
	1+80E	"	"	"	"	5		"	"	"				
	2+00E	"	"	"	"	"		"	"	"				
BL 28+	20N	"	"	"	"	"		"	GRASSY	"				
BL 28+	40N	"	"	"	"	"		"	"	"				
BL 28+	60N	"	"	"	"	"		"	"	"				
BL 28+	80N	"	"	"	"	"		"	"	"				
BL 29+	00N	"	"	"	"	0		"	"	"				
BL 29+	20N	"	"	"	"	"		"	"	"				
BL 29+	40N	10	"	"	"	5		"	"	"				
BL 29+	60N	5	"	"	"	"		"	"	"				
BL 29+	80N	"	"	"	"	"		"	"	(talus) "				
BL 30+	00N	10	"	"	"	10		"	"	"				
	0+20W	"	"	"	"	"		"	"	"				
	0+40W	5	"	"	"	5		"	"	"				

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				Colour	Part Size	% ORG.	Ph				Au	As		
BL30+00N	0+60W	5	C	BROWN	SANDY	5		GENTLE	GRASS	(Talus)				
	0+80W	10	"	"	"	"		"	"	(Talus)				
	1+00W	5	"	"	"	10		"	"	(Talus)				
BL30+00N	0+20E	10	"	"	"	"		"	"					
	0+40E	"	"	"	"	"		"	"					
	0+60E	5	"	"	"	15		"	"					
	0+80E	10	"	"	"	20		"	"					
	1+00E	5	"	"	"	15		"	"					
	1+20E	"	"	"	"	10		"	"					
	1+40E	"	"	"	"	"		"	"					
	1+60E	10	"	"	"	"		"	"					
	1+80E	"	"	"	"	20		"	"					
	2+00E	5	"	"	"	5		"	"					
	2+20E	20	"	"	"	15		"	"					
	2+40E	15	"	"	"	20		"	"					
	2+60E	10	"	"	"	"		"	"					
	2+80E	"	"	"	"	15		"	"					
	3+00E	"	"	"	"	10		"	"					
	3+20E	"	"	"	"	15		"	"					
	3+40E	"	"	"	"	"		"	"					

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				Colour	Part Size	% ORG.	Ph				Au	As		
BL 30+00N	3+60E	10	C	BROWN	SANDY	15		GENTLE	GRASSY					
	3+80E	"	"	"	"	"		"	"					
	4+00E	5	"	"	"	5		"	"	(Talus)				
BL 30+20N		10	"	"	"	10		"	"					
BL 30+	40N	"	"	"	"	5		"	"					
BL 30+	60N	20	"	"	"	15		"	"					
BL 30+	80N	30	"	"	"	30		"	"					
BL 31+	00N	20	"	"	"	"		"	"					
	0+20W	5	"	"	"	15		"	"					
	0+40W	20	"	"	"	"		"	"					
	0+60W	10	"	"	"	"		"	"					
	0+80W	"	"	"	"	"		"	"					
	1+00W	20	"	"	"	"		"	"					
BL 31+00N	0+20E	5	"	"	"	10		"	"					
	0+40E	"	"	"	"	5		"	"					
	0+60E	10	"	"	"	10		"	"					
	0+80E	20	"	"	"	15		"	"					
	1+00E	10	"	"	"	20		"	"					
	1+20E	20	"	"	"	10		"	"					
	1+40E	10	"	"	"	5		"	"					

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				Colour	Part Size	% ORG.	Ph				Au	As		
BL 31+00N	1+60E	10	C	BROWN	SANDY	15		GENTLE	GRASSY					
	1+80E	20	"	"	"	"		"	"					
	2+00E	5	"	"	"	10		"	"					
	2+20E	"	"	"	"	5		"	"					
	2+40E	"	"	"	"	10		"	"					
	2+60E	"	"	"	"	"		"	"					
	2+80E	"	"	"	"	5		"	"					
	3+00E	"	"	"	"	"		"	"					
	3+20E	"	"	"	"	10		"	"					
	3+40E	"	"	"	"	5		"	"					
	3+60E	20	"	"	"	15		"	"					
	3+80E	"	"	"	"	"		"	"					
	4+00E	"	"	"	"	"		"	"					
	4+20E	"	"	"	"	10		"	"					
	11+40E	5	"	"	"	"		"	"					
	4+60E	"	"	"	"	5		"	"					
	4+80E	10	"	"	"	10		"	"					
	5+00E	20	"	"	"	20		"	"					
BL 31+	30N	"	"	"	"	25		"	"	(lost in shuffle)				
BL 31+	40N	"	"	"	"	5		"	"					

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NTS 1050/3 EAST

SAMPLER A. DODGE

DATE AUG. 18/84

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TALLY-HO MOUNTAIN

LINE

AIR PHOTO NO.

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS			
				Colour	Part Size	% ORG.	Ph				Au	As		
BL 31+	60N	25	C	BROWN	SANDY	20		GENTLE	GRASSY					
BL 31+	80N	"	"	"	"	"		"	"					
BL 32+	00N	"	"	"	"	"		"	"					
BL 32+	20N	40	"	"	"	25		MED.	"					
BL 32+	40N	20	"	"	"	5		GENTLE	"					
BL 32+	60N	"	"	"	"	"		"	"					
BL 32+	80N	25	"	"	"	20		"	"					
BL 33+	00N	20	"	"	"	5		"	"					
BL 33+	20N	"	"	"	"	"		MED.	"					
BL 33+	40N	"	"	"	"	15		"	"					
BL 33+	60N	25	"	"	"	20		"	"					
BL 33+	80N	15	"	"	"	10		GENTLE	"					
BL 34+	00N	5	"	"	"	"		"	"					