MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.: 092612
	PROSPECTUS		MINING DISTRICT: Whitehorse
	CONFIDENTIAL	X	TYPE OF WORK: Geological, geochemical, trenching
105 D 5	OPEN FILE		

REPORT FILED UNDER: Aurum Geological Consultants Inc.

DATE PERFORMED: 8-17 August, 1988 DATE FILED: 29 December, 1988

LOCATION: LAT.: 60 22'N AREA: Watson River

LONG.: 135 30'W VALUE $:

CLAIM NAME & NO.: LATER 1-35 (YA75682-75716)

WORK DONE BY: L. Walton, T. Garagan (Aurum Geological Consultants Inc.)

WORK DONE FOR: Pacific Trans-Ocean Resources Inc.

DATE TO GOOD STANDING		REMARKS: LATER #143
		In 1988 2 new areas of mineralization were investigated. In
		the NODISCO zone altered pyritic float contained up to 11.1 g/t
		Au & 158.4 g/t Ag. In the QUARTZ VEIN BRECCIA zone, pyritic
		float contained up to 8400 ppb Au and 120.3 g/t Ag.

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

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS DEC 29 1988 WHITEHORSE YUKON TERRITORY

TRANSMITTAL FORM

M.R. file no.

R.M.M.R. file no.

Date forwarded 29 DECEMBER 1988

From ▶ Mining Recorder at: Whitehorse

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☐ QUARTZ ASSESSMENT REPORT — Claims: Lotar 1-35 YA75682 ~ 716 — Claim sheet no.: 115-D-5

Type of report: Trenching & Exploration — Submitted by: Aurum Geological

Cls. work performed on — $ req. for ren. application: $3500.00

RECEIVED DEC 29 1988 MINING RECORDER'S OFFICE WHITEHORSE, Y.T.

Signature

REPLY ACTION

For Information and indexing only.
Please send back one copy and
advise when you are finished.

092612 092612

Catalogued, Indexed, summarized

Date returned 24 Jan. 89

Signature

802-6027-26 (6-86)

TRENCHING AND EXPLORATION REPORT
LATER 1-35 CLAIMS
YA75682 to YA75716

Whitehorse Mining District

Location: 1. Wheaton River Area
2. NTS 105D/5
3. Latitude: 60° 22'N
Longitude: 135° 30'W

For:
PACIFIC TRANS-OCEAN RESOURCES LTD.
1500, 10250-101 Street
Edmonton, Alberta
T5J 3P4

By:
L. WALTON, M.Sc.
T. GARAGAN, B.Sc., FGAC
AURUM GEOLOGICAL CONSULTANTS INC.
604-675 West Hastings Street,
Vancouver,B.C.,V6B 4W3

and
R. Tykajlo, B.Sc.,P.Geol.
PACIFIC TRANS-OCEAN RESOURCES LTD.

November 27, 1988

SUMMARY

The LATER claim group consists of 35 contiguous mineral claims 45 kilometers southwest of Whitehorse and 5 kilometers north of the Watson River, Yukon. Access to the claims is via helicopter. A bush road that follows the Watson River passes within 5 kilometers of the claims.

Exploration during the 1988 field season consisted of geological mapping, prospecting, soil sampling and hand trenching. Work was carried out between June 23 and August 17, 1988.

The claims are underlain by Tertiary Skukum Group volcanic rocks consisting of rhyolite to andesite tuffs, flows, sills and dykes. The volcanics unconformably overlie Late PreCambrian-Early Paleozoic Yukon Group metasedimentary rocks, and Cretaceous granite and granodiorite. Dykes and small scale intrusive bodies crosscut all rock units. Several NE-SW and NW-SE trending faults occur on the property. Hydrothermally altered and mineralized fracture and shear zones are related to these structures.

Several zones of mineralization were mapped and sampled during the 1988 field season. The most significant results came from two relatively unexplored areas on the property; the Nodisco zone and the Quartz Vein Breccia zone.

The Nodisco zone is underlain by metasedimentary Yukon Group rocks in unconformable contact with younger Skukum Group volcanic rocks. Both units are intruded by a rhyolite quartz-feldspar porphyry dyke. Precious metal values up to 0.325 opt gold and 4.62 ppm silver occur in altered, pyritized metasedimentary float. Hand trenching under the high grade float exposed a linear zone of brecciated and silica flooded graphitic metasedimentary boulders in gossanous soil, typically containing over 100 ppb gold and over 5 ppm silver. Soil samples from the trench contain up to 1020 ppb gold and 2.17 ppm silver.

The Quartz Vein Breccia zone is centered on a resistant quartz outcrop on the south side of Anomaly Creek. The outcrop is located near an east-west trending rhyolite dyke, and is 100 meters west of an unconformable contact between Yukon Group marble and younger Skukum Group volcanic rocks. Siliceous, pyritized float samples collected downslope from the outcrop contain up to 8400 ppb gold and 3.51 opt silver and samples collected upslope contain up to 1180 ppb gold and 5.15 ppm silver. Chip samples collected from a trench excavated along the upslope side of the outcrop contain up to 322 ppb gold and 15 ppm silver over 1 meter. A gold-silver soil anomaly occurs downslope from the outcrop, and a weak silver soil anomaly parallels the zone. Soil values are up to 560 ppb gold and 12 ppm silver.

Both skarn and epithermal styles of mineralization are found on the LATER property. Geological mapping, ground geophysics and additional trenching are required to find the source of the anomalous samples. The cost of a surface program in 1989 is estimated at $ 96,000.

TABLE OF CONTENTS

INTRODUCTION

This report was prepared at the request of Mr. E. Stewart of Pacific Trans-Ocean Resources Ltd. and describes the exploration work carried out on the LATER claims during the 1988 field season. Exploration consisting of soil sampling, mapping, prospecting and hand trenching was done under the supervision of Aurum Geological Consultants Inc. between June 23 and August 17, 1988. Kerr Addison's 1985 VLF-EM was reinterpreted by R. Tykajlo of Pacific Trans-Ocean Resources Ltd.

LOCATION and ACCESS

The LATER claims are located 8 kilometers west of Alligator Lake and 5 kilometers north of the Watson River (Figure 1). The claims are situated 45 kilometers southwest of Whitehorse and 18 kilometers north of the Mt. Skukum gold-silver deposit. The latitude and longitude of the property (NTS sheet 105 D/5) is 60° 22'N and 135° 30'W.

Access to the property is via helicopter from Whitehorse or from a seasonal base in the Wheaton River area. A rough 4-wheel drive road east of Alligator Lake passes within 17 kilometers of the LATER property. A bush road that follows the Watson River passes within 5 kilometers of the property.

CLIMATE, TOPOGRAPHY and VEGETATION

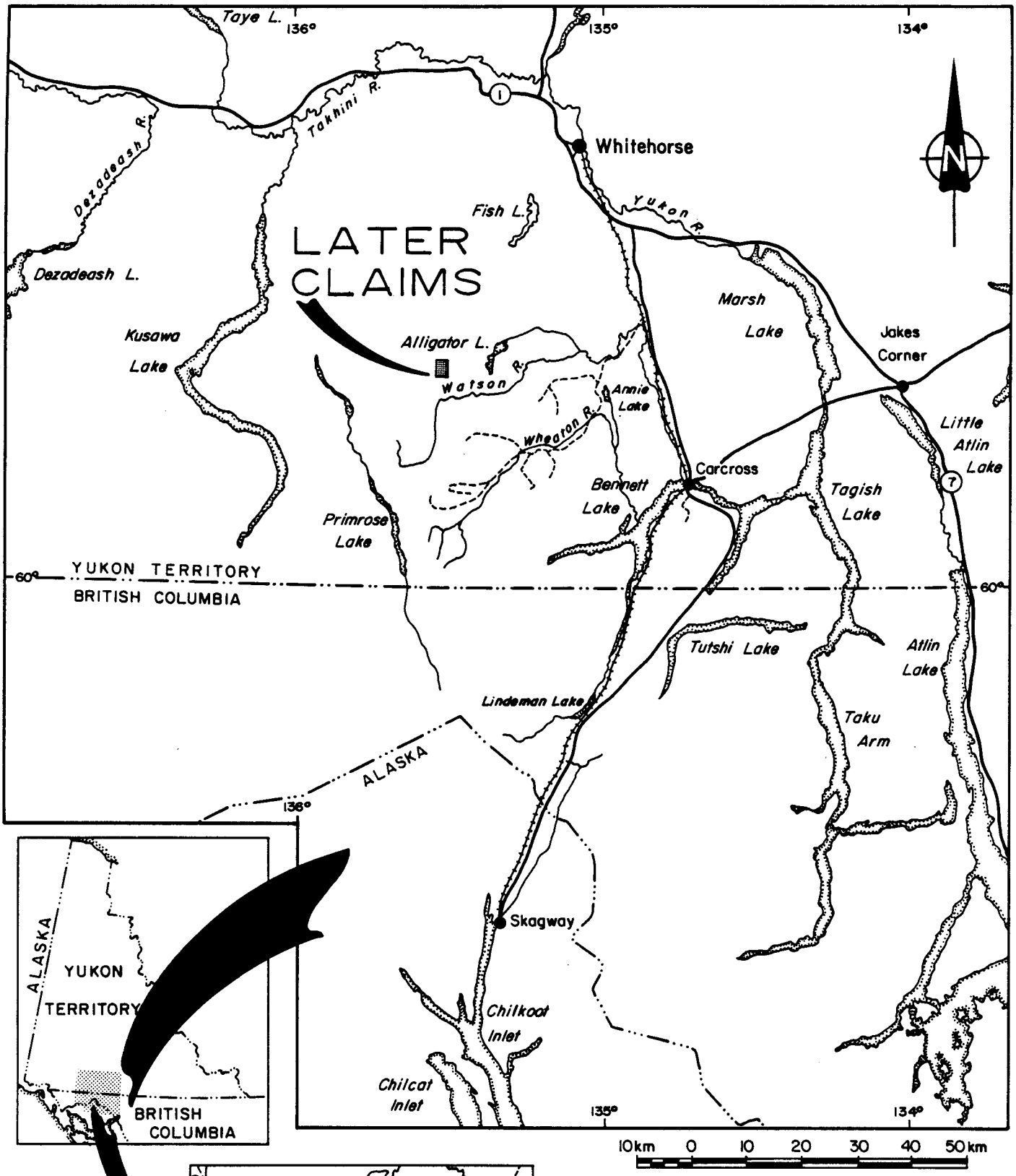
The climate in the Wheaton River area is variable, with cool summers and long, cold winters. Precipitation is light; 40 cm annually, with moderate snow falls during the winter months. The area is susceptible to periodic strong and gusty winds from moist Pacific systems rising over the Coast Mountains. The exploration season on the property extends from mid-May through to September/October.

The topography of the property consists of subdued alpine terrain and deeply incised stream valleys. Later Creek flows throughout the field season, whereas some side creeks are dry after July. Elevations vary between 1250 and 1900 meters.

The property is above tree line and vegetation consists of alpine shrubs and grasses with sparse dwarf birch and willow developed in the valleys.

CLAIM STATUS

The LATER property consists of 35 unsurveyed contiguous min-

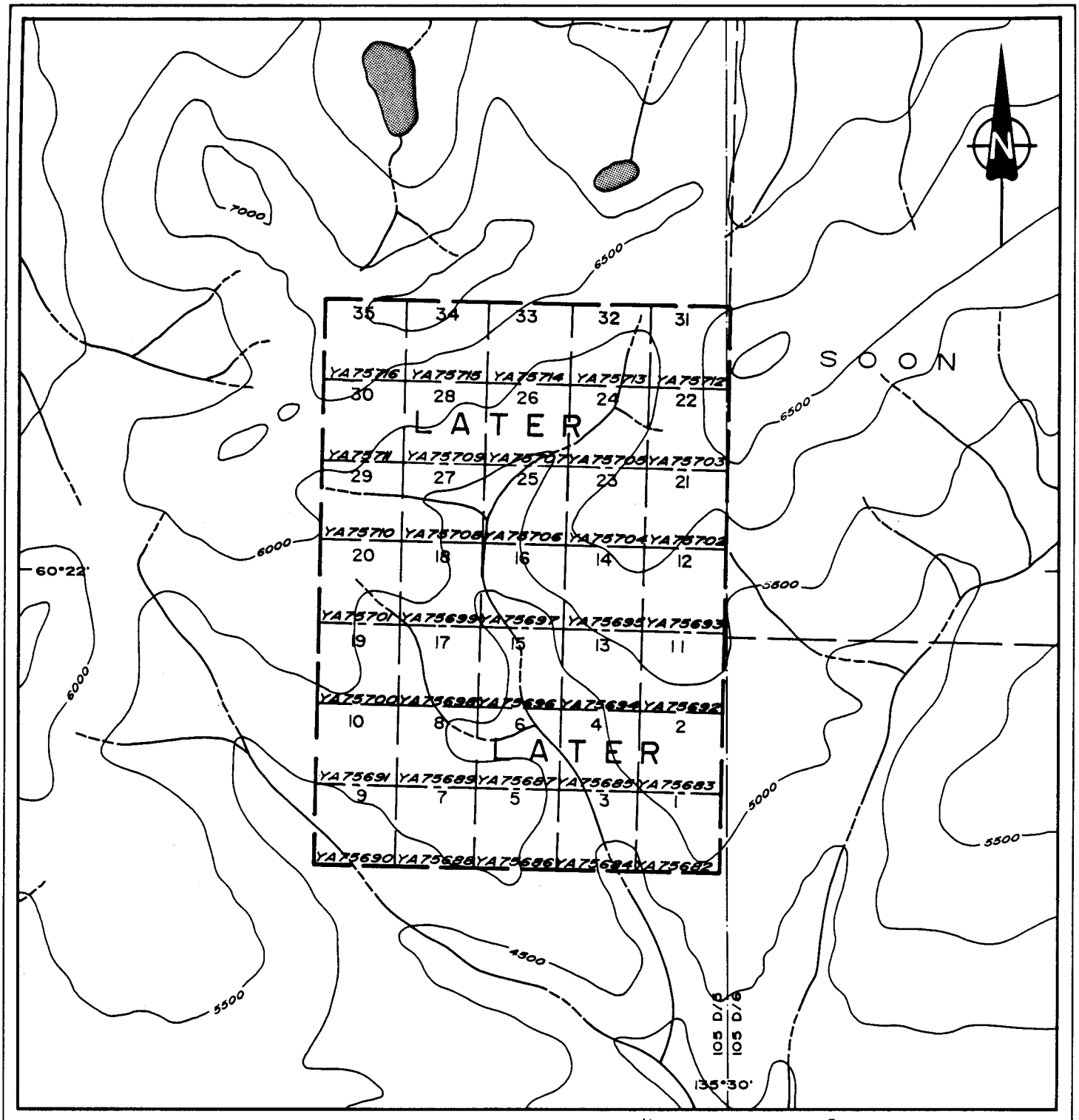


PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

LOCATION

Aurum Geological Consultants Inc.			NOVEMBER, 1988
	Drawn by NH	Scale 1:1,000,000	FIGURE : 1



1km 0 1km

KILOMETRE

LEGEND

22 — claim boundary

claim number

YA75703 — tag number

staking direction

creek

3500 — elevation contour; interval 500 ft.

Note: adapted from D.I.A.N.D. map sheets 105 D-5 & 105 D-6, revised July 25, 1988

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS

WHITEHORSE MINING DISTRICT

CLAIM MAP

Aurum Geological Consultants Inc.			NOVEMBER, 1988
NTS 105 D/5&6	DRAWN BY NH	SCALE 1:31,680	FIGURE : 2

eral claims located in NTS sheet 105 D/5 of the Whitehorse Mining District. The claim status is listed below and the claim distribution is shown in Figure 2.

Claim name	Grant Number	Expiry Dates *
LATER 1-7	YA75682 - YA75688	May 30, 1994
LATER 8-35	YA75689 - YA75716	May 30, 1990

* Subject to approval by the Mining Recorder

HISTORY

The first staking in the Wheaton River and Bennett Lake district occurred in 1893 when Frank Corwin and Thomas Rickman located several claims on Carbon Hill, Chieftain Hill, Idaho Hill and possibly Gold Hill. The men died shortly after without disclosing the location of their claims (Cairnes, 1912). The discovery of precious metal veins in the Montana Mountain and Wheaton River areas in the early 1900's generated a resurgence of exploration activity. Exploration, development and some mining has continued intermittently since then. Activity in the area has increased in the 1980's with the temporary opening of the Venus mine (United Keno Hill Mines Ltd) in 1980-1981, the discovery of the Mt. Skukum gold deposit (164,000 tons at 0.73 opt gold and 0.63 opt silver: Total-Erickson 1985 Annual Report) in 1981-1983 and the discovery of the Skukum Creek deposit in 1985 (821,000 tons @ 0.225 opt gold and 8.96 opt silver, 1988-89 Canadian Mines Handbook). Mining of the Mt. Skukum deposit commenced in the spring of 1986 at the rate of 300 tons per day. Mining operations have recently been suspended at Mt. Skukum pending discovery of additional ore reserves. Production of the Skukum Creek deposit is scheduled to begin at the end of 1988.

Silver-gold stream sediment anomalies associated with a Skukum Group outlier near Alligator Lake were discovered in 1981-82 by AGIP Canada Ltd. during a regional exploration program. The LATER claims were subsequently staked in May, 1983 and were optioned to Kerr Addison in 1984. Exploration carried out by AGIP in 1983 and Kerr Addison in 1985 consisted of geological mapping, prospecting, soil geochemistry, geophysics and some trenching (Meyers, 1983; Lyons, et al., 1985). In 1986, Kerr Addison carried out a 933 meter BQ diamond drilling program (Potter, 1986). Kerr Addison subsequently dropped their option and Pacific Trans-Ocean Resources Ltd. optioned the claims in 1987. No work was carried out in 1987 and the 1988 program is described in this report.

REGIONAL GEOLOGY

The LATER claims are situated within and near the eastern margin of the Coast Plutonic Complex. The regional geology has been described by Cairnes (1912) and Wheeler (1961) and will only be summarized here.

The Coast Plutonic Complex consists of Cretaceous granitoid rocks which intrude and underlie low grade metamorphosed sedimentary and volcanic rocks of the Whitehorse Trough, and quartzites, schists and gniesses of the Late PreCambrian Paleozoic Yukon Group.

Subaerial rhyolite andesite flows and pyroclastics of the Tertiary Skukum Group occur in two isolated areas in the region. The two isolated areas, Mt. Skukum and Bennett Lake, have been interpreted to represent paleovolcanic centers (Lambert, 1974; Doherty, pers comm, 1982 and Pride, 1985). The LATER claims are located on the southwestern edge of an outlier of Skukum Group rocks, situated 10 kilometers north of the main Skukum complex.

The predominant regional structural trend is northwest. Later Tertiary structures trend prominently northeast and eastward.

PROPERTY GEOLOGY

Very little property mapping was carried out on the LATER property during the 1988 field season. The following is summarized from Wheeler (1961), Meyers (1983) and Lyons, et al (1985). One to 5,000 scale mapping was done by AGIP in 1983 and again by Kerr Addison in 1985. The Anomaly Creek drainage was mapped by Aurum personnel at a scale of 1:500.

The LATER claims are underlain by Tertiary Skukum Group volcanic rocks consisting of rhyolite to andesite tuffs, flows, sills and dykes. The volcanics unconformably overlie Yukon Group metasedimentary rocks and Cretaceous granite and granodiorite. Tertiary intrusive bodies crosscut all rock units (Figure 3).

Late PreCambrian-Early Paleozoic Yukon Group metasedimentary rocks are exposed in the central part of the property east of Later Creek, and in two small areas in the north-central part of the claims. The metasediments consist of biotite-hornblende quartzofeldspathic gneiss, argillaceous siltstone and impure micaceous quartzite and marble. The marble contains interlayered quartzite and argillite. Zones of garnet-diopside skarn and minor hornfels have developed where the marble has been intruded by rhyolite.

The southwestern part of the LATER claims is underlain by granite and granodiorite of the Cretaceous Coast Plutonic Complex. The granitic rocks intrude Yukon Group rocks and are unconformably overlain by Skukum Group volcanic rocks. The granodiorite contains biotite, hornblende, plagioclase, interstitial orthoclase and quartz. The feldspars contain minor clay-sericite alteration and the mafics are weakly chloritized or epidotized. The more felsic intrusions contain subhedral orthoclase and plagioclase with minor muscovite and biotite. Some varieties are leucocratic, cream-white with the texture and composition of alaskite. The unit displays a local gneissic texture, which makes the boundary with the Yukon Group gneiss uncertain.

Skukum Group volcanic rocks underlie the northeast and west-central areas of the property. They unconformably overlie isolated sections of Yukon Group metasedimentary rocks or Cretaceous granitic rocks. The volcanic rocks represent part of a distal eruptive center, outlying from the main Skukum complex to the south, and consist of a subaerial sequence of tuffs, flows, dykes and sills of rhyolite and andesite composition. The volcanic succession is flat lying and has a gentle southwest dip. The volcanics are locally highly fractured and pyritized. Skukum Group rocks on the property can be divided into the following units: Lower rhyolite lapilli tuff/volcanic breccia, rhyolite tuff, upper rhyolite lapilli tuff and a variety of andesite, rhyolite and dacite dykes.

The Lower rhyolite tuff/volcanic breccia represents the lowermost Skukum Group member. It is light to dark grey and contains multicoloured volcanic clasts. The weathered surface is generally lighter coloured and is commonly gossanous. The fine grained groundmass ranges from rhyolite to slightly more intermediate in composition. The clasts are between 0.5 and 3.0 cm in diameter, comprising up to 70% of the total rock. They are composed primarily of subrounded to subangular flowbanded rhyolite. The tuff unit is locally welded, and it grades into volcanic breccia near its base. The volcanic breccia contains clasts up to 1 meter in diameter, and the clasts comprise up to 90% of the rock.

The rhyolite tuff, lapilli tuff is generally light to medium grey, weathering to light grey or buff. It is sometimes welded. Feldspar phenocrysts averaging 1 to 2mm in size comprise between 0 to 10% of the rock. Locally the unit contains subrounded to subangular rhyolite clasts ranging from lapilli to breccia size. Near the base of the unit, the clasts are larger and are composed of metamorphic and granitic rock fragments with some flow banded rhyolite fragments. These clasts can comprise up to 80% of the total rock.

The rhyolite lapilli tuff occurs along Later Creek in the central portion of the property and is thought to be the youngest volcanic in the area. It is typically light brown, grey or dark grey on fresh and most weathered surfaces. Altered and mineralized units exhibit a distinctive red to yellow stain. The matrix is composed primarily of fine ash containing K-feldspar and quartz. The clasts include quartz, ash tuff and other volcanic fragments. All clasts average 1-3mm, and comprise between 20 and 50% of the total rock.

Andesite, feldspar and quartz feldspar porphyritic rhyolite to dacite and potassium feldspar porphyritic rhyolite dykes cut all units on the property. The andesite is dark green and occurs as dykes and sills. Commonly, these dykes and sills are plagioclase porphyritic, and contain very little or no K-feldspar. Minor vuggy cavities are lined or filled with quartz and calcite. In some locations these dykes contain pyrite and pyrrhotite with associated iron staining.

The feldspar and quartz porphyritic rhyolite to dacite dykes are grey to light green, and weather light orange-brown or buff. Albite and/or potassium feldspar and chloritized and epidotized mafic minerals comprise from 1-10% of the rock. Subrounded fine grained quartz-eye phenocrysts, where present, comprise from 1-5% of the rock. The groundmass is fine grained and composed primarily of K-feldspar and quartz. The unit occurs to the north of N.W. Creek as part of a massive plutonic body, and over the remainder of the property as dykes and sills.

The rhyolite dykes are light grey to off-white, weathering to similar colours, but are often gossanous. Phenocrysts are primarily subhedral K-feldspars of microscopic size to 2mm comprising 10% of the rock. Biotite and hornblende are present in small amounts and are pervasively altered to chlorite and epidote. The groundmass is mainly K-feldspar and quartz. Strongly pyritic and silicified dykes of this type were mapped in the Creek Zone.

Structural Geology

The following summary is from Lyons et al, 1985.

The LATER claim group is north of a major northeast-southwest trending fault which strikes along the Watson River valley to the southern end of Rose Lake. Several similar northeast-southwest faults are present in the LATER claims. The dip of these structures is generally northwest. Other shear and fracture zones on the property are typically northwest-southwest. The presence of Tertiary tuffs at the base of Later Creek with

metasediments topographically much higher up the hill at the Nodisco Zone suggests large vertical displacement along some of the faults. Hydrothermal fluid movement was at least partially controlled by the faults, as there is alteration and mineralization associated with them. Many of these fracture and shear zones are intruded by dykes.

MINERALIZATION and ALTERATION

Introduction

Several zones of precious metal mineralization in altered rocks have been located on the LATER claims. Three of these zones; the Rhyolite Zone, the Skarn Zone and the Creek Zone were defined by AGIP in 1983. In 1985, Kerr Addison did additional work in these and adjacent zones. Exploration work in 1988 concentrated on three zones, the Lithic Breccia Zone, the Nodisco Zone and the Quartz Vein Breccia (QVB) Zone.

Rhyolite Zone

The Rhyolite Zone as defined by AGIP and Kerr Addison is located near the junction of Later and Anomaly Creeks. It is characterized by a bright rusty-yellow stained outcrop in the bottom of a deeply incised valley. The outcrop covers an area 50 by 150 meters, and rises 80 meters in elevation. The host rock is a highly fractured rhyolite lapilli tuff, which is intruded by two small andesite porphyry dykes. The rhyolite contains clay, sericite, chlorite and epidote. Small veins of arsenopyrite, specular hematite and disseminated pyrite (up to 5% of the total rock) occur in the rhyolite lapilli tuff. Many clasts are replaced by pyrite and/or arsenopyrite. Pervasive and fracture controlled silica has replaced sericite.

Twenty-four of seventy-one rock samples collected by AGIP in 1984 contained over 500 ppb gold, and ten samples contained >1000 ppb gold. Silver and arsenic values were also elevated. A coincident gold/silver soil anomaly, 150 meters by 300 meters, covers the Rhyolite Zone. Kerr Addison collected 73 rock samples in 1985. The samples contained an average of 480 ppb gold and 1590 ppm silver; the highest value returned was 1600 ppb gold. The best grades correspond with strong silicification and sulphide stringers.

The Rhyolite Zone was drilled by Kerr Addison in 1986. The target zone was a pervasively sericitized and pyritized rhyolite lapilli tuff, which was intersected in four of five holes. Results up to 850 ppb gold and 8.1 ppm silver were obtained. The higher results are associated with poorly developed silicification and quartz vein stockwork.

Skarn Zone

The Skarn Zone, as defined by AGIP and Kerr Addison, is located 200 meters east of the Rhyolite Zone, near the headwaters of Anomaly Creek. There are three main skarn areas, the largest of which is 50 meters by 100 meters. They are exposed in erosion windows in the overlying lithic tuff and form where the limestone is intruded by northeast trending rhyolite dykes. Outcrop is scarce, but the typical skarn assemblage is garnet-diopside $\pm$ malachite and chalcopyrite. The upper Skarn Zone (Lyons et al, 1985) includes tremolite, wollastonite, garnet, diopside, epidote, calcite, quartz and minor amounts of galena and sphalerite. Malachite and chalcopyrite occur in the Lower Skarn Zone. The Skarn Zone is characterized by high silver values and sporadic high gold values. Kerr Addison (Lyons et al, 1985) reported silver values up to 5 opt in the Upper Skarn Zone.

Two holes were drilled by Kerr Addison at the north end of the Skarn Zone. Hole 13 cut a thick section of quartzite, marble and skarn intruded by rhyolite porphyry dykes. Hole 14 cut rhyolapilli tuff down to the underlying metasedimentary rocks. No mineralization was found in either hole, and the source of a 10.42 gm/t gold sample collected by Kerr Addison was not found. This area was renamed the Nodisco Zone by Aurum personnel and is defined as a separate zone for the purpose of this report.

Creek Zone

The Creek Zone is associated with the same northeast trending andesite porphyry dyke as in the Rhyolite Zone, but is located 500 meters to the northwest. The andesite dyke is cut by narrow rhyolite dykes and is flanked by an irregular shear zone (25 meters wide) with clay, sericite, chlorite and epidote alteration. Minor veins of arsenopyrite, pyrite, jasper and quartz occur in fractures and shears with accessory calcite, rhodonite, fluorite and hematite. An altered and mineralized rhyolite lapilli tuff within this zone contained up to 2700 ppb gold and 8.9 ppm silver (Kerr Addison sample). Other mineralized float contained up to 2390 ppb gold and 92.83 opt silver. Thirty-two anomalous rock samples from the Creek Zone averaged 642 ppb gold (Lyons et al, 1985).

Seven holes were drilled in the Creek Zone in 1986, but three of the holes were abandoned. Holes 2, 3, and 5 intersected rhyolite tuffs and dykes similar to those in the Rhyolite Zone. Only two anomalous samples (430 and 200 ppb gold) were collected. The samples are from a 10 meter intersection of quartzite, gneiss and breccia at the bottom of hole 3. Hole 11 intersected metasedimentary rocks including quartzite, schist, gneiss, marble

and cut narrow breccias and quartz vein zones. Only one sample was anomalous (0.9 opt silver, 130 ppb gold).

Lithic Breccia Zone

The Lithic Breccia Zone is centered over trench 85-3 at L0+25N/2+00E (Lyons et al, 1985). The lithic breccia occurs along the fault contact between Skukum Group volcanic rocks and Yukon Group metasedimentary rocks. Subcrop of lithic breccia occurs in trench 85-3. The lithic breccia contains subangular to subrounded fragments <1 cm to 5 cm of schist, marble, volcanic and intrusive rock fragments. The matrix contains abundant silica and carbonate. The lithic breccia is crosscut by a rusty weathered, bleached and altered rhyolite dyke which trends 040°. Subcrop and talus of the rhyolite continues to the north of the trench. A nearby VLF conductor to the northwest follows rusty weathering talus similar to the rhyolite dyke in the trench. The VLF conductor may be outlining the fault contact between the metasedimentary rocks and the Skukum Group volcanic rocks.

Nodisco Zone

The Nodisco Zone is on a steep, south-southwest facing grassy slope centered on L0+50S/4+50E. The area is between the Creek Zone (Later Creek) and the Skarn Zone (Anomaly Creek). Very little outcrop is exposed in the Nodisco Zone. Patches of talus and boulder float provide most rock samples. Erosion has exposed Yukon Group metasedimentary rocks consisting of marble, skarn, schist, gneiss and quartzite. The metasedimentary rocks are unconformably overlain by Skukum Group volcanic rocks consisting of rhyolite breccia and rhyolite lapilli tuff. The metasedimentary rocks and the volcanic rocks have been intruded by a northeast trending rhyolite quartz feldspar porphyry dyke.

Selective float samples in the Nodisco Zone collected by Kerr Addison in 1985 contained gold values of 150 ppb to up to 10.42 gm/t (0.3 opt). The 0.3 opt sample is described (Lyons, et al, 1985) as an intensely limonitic and sometimes yellowish stained boulder of strongly silicified and sulphide mineralized schist. Kerr Addison did a 5 meter by 10 meter spaced soil grid and outlined a soil gold anomaly directly downslope from the 0.3 opt sample. A well defined northwest trending VLF anomaly is associated with this zone and a poorly developed linear.

In 1986, an assumed unconformable contact between the Skukum Group rocks and underlying Yukon Group rocks was drilled (DDH-13), but only background or low gold values were found. The hole was collared up hill from the prominent VLF anomaly and laterally from the 0.3 opt rock sample.

Quartz Vein Breccia Zone

The Quartz Vein Breccia Zone (QVB) is on the south side of Anomaly Creek and consists of resistant quartz vein outcrop and associated float. The outcrop is centered on L2+00S/6+50E. The quartz vein outcrop is 22 meters long and approximately 2 meters wide. The east part of the outcrop trends east-west and the west 5 meters of the outcrop trends southwest-northeast.

Most of the outcrop consists of white to grey quartz with minor limonite in vugs and along fractures. Some areas show a mottled texture exhibiting grey rounded quartz fragments in a darker grey quartz matrix. A 10-20 cm wide rusty altered portion of the outcrop contains <1% disseminated pyrite.

The downslope side (north) of the QVB outcrop is near rhyolite dyke outcrop and talus. The dyke trends east-west, is approximately 10-20 meters wide, and is the same dyke associated with the Rhyolite Zone (Lyons et al, 1985). The upslope side of the quartz vein breccia outcrop ends abruptly and is covered with overburden. A 5 meter wide gap separates the upslope side of the outcrop from rhyo-dacite porphyry outcrop and talus. Quartz vein breccia float is found downslope and west of the quartz vein breccia outcrop. Several 1 to 2 meter talus block/subcrop of white to rusty quartz vein and breccia are found on strike (085°) approximately 125 meters upslope of the quartz vein outcrop. A strong east-west VLF conductor is associated with the zone and a second parallel conductor is located 50 meters south of the zone. The conductors are believed to represent fault zones.

EXPLORATION

Introduction

Exploration on the LATER claims consisted of prospecting, mapping, rock and soil geochemistry and hand trenching. A 1985 VLF-EM survey carried out by Kerr Addison was reinterpreted in 1988. A total of 167 rock samples and 318 soil samples were collected and sent to Barringer-Magenta Lab of Calgary, Alberta. All samples were analysed for gold and silver. Soil samples were also analysed for copper and several rock samples were also analysed for arsenic, copper, lead, zinc and antimony. The results, analytical methods and rock sample descriptions are given in Appendix A. Sample locations and gold and silver results are plotted in Figures 4 to 10.

VLF-EM Survey (R. Tykajlo)

A 1985, vintage VLF-EM survey, completed by Kerr Addison, was reexamined in 1988. The survey was completed using a line interval of 100 meters with limited in-fill at 50 meter interval to grid south. The data, available as stacked Fraser Filtered In-Phase profiles was digitized and contoured (Figure 11).

The data shows a series of 5 parallel NNE striking conductive trends that traverse the entire surveyed area and remain open to both grid north and south. Several shorter strike length ENE striking anomalies are also apparent in the data.

VLF-EM anomaly trends are spatially associated with three anomalous gold zones found to date; the Nodisco, Quartz Breccia, and Lithic Breccia Zones.

Lithic Breccia Zone

Four days were spent mapping, prospecting and sampling the Lithic Breccia Zone. Nineteen float samples were collected and analysed for gold and silver. All rock samples returned values less than 100 ppb gold and 2 opt silver.

Rhyolite Zone

Ten samples were collected in the Rhyolite Zone. The samples were rhyolite, brecciated quartz, quartzite and marble. Two of the rhyolite samples contain 226 ppb gold/3.74 ppm silver and 341 ppb gold/1.74 ppm silver. A pyritic quartzite contained 269 ppb gold and 1.84 ppm silver. Two other samples of quartzite and brecciated quartz contained 123 ppb gold/4.53 ppm silver and 104 ppb gold/6 ppm silver.

Nodisco Zone

Rock Geochemistry

An extensive search for the source of a 0.3 opt gold sample (Lyons et al, 1985) was carried out. The remaining piece of the sample was found and sent for analysis. It contained 0.325 opt gold, 4.62 ppm silver and 4300 ppm arsenic (arsenopyrite). The 0.3 opt sample was collected from a boulder filled depression upslope from the 1986 drill pad for drill hole 13 (Potter, 1986). The boulders and talus and the area around them were prospected. Three similar samples to the 0.3 opt sample were found. The samples are typically rusty weathering, siliceous, fine grained, grey on the fresh surface and contain disseminated pyrite. The samples have been intensely altered and the original lithology is

difficult to distinguish; although weak banding suggests a metasedimentary origin. The three samples (822-4039, 822-2015 and 822-6010) contain values of 3800 ppb gold/218 ppm silver, 3100 ppb gold/1.86 ppm silver and 4700 ppb gold/5.2 ppm silver. All rhyolite, and most limestone samples collected contained less than 100 ppb gold. One skarn sample (822-4018) contained 172 ppb gold and 8.56 ppm silver.

Soil Geochemistry

A grid was established over a 50 meter by 100 meter area centered over the 0.3 opt sample. Soil samples were collected at 5 meter by 5 meter spacings, increasing to 10 meters by 10 meters near the perimeter of the grid. One hundred and eight soil samples were collected.

Gold, silver and copper values are up to 80 ppb, 3.2 ppm and 200 ppm respectively. A broad, poorly developed northwest-southeast trending gold-silver-copper anomaly is situated over the high grade sample. A second spot gold-silver anomaly occurs downslope from the drill hole 13 pad. A Kerr Addison soil value of 125 ppb gold at station L1+00S/4+50E could not be reproduced.

Trenching

Three trenches were hand dug by Aurum personnel in an effort to reach the bedrock source of the high grade samples. Trenches 88-1 and 88-2 are situated upslope from the high grade samples and Trench 88-3 was dug directly beneath. All trenches trend northwest-southeast and are perpendicular to the slope of the hill (except for a small section in Trench 88-3). A total of 19.5 cubic meters of soil and boulders was removed. No permafrost was encountered. Bedrock was not reached in any of the three trenches. All mineralized and altered float within the trenches were sampled.

Most material removed from the trenches consisted of medium brown, B horizon soil. The following soil profile is from Trench 88-1: the A horizon consisted of 0.4 meters of black, organic material capped with moss; below that is medium grey-brown B horizon soil down to the trench bottom. The number of talus rock fragments in the soil increased with depth.

Ten soil samples were collected from Trench 88-1. Four of the ten soil samples were collected from a soil profile comprising a A horizon and, upper, middle and lower B horizons soil. Gold values are less than 100 ppb and there are seven silver values over 1 ppm. The soil samples collected from the west end of Trench 88-1 contained the highest gold and silver (86

ppb gold and 3.88 ppm silver).

Four rock grab samples were collected from Trench 88-1. A rusty weathering quartzite (822-4059) contained 2.32 ppm silver and 290 ppm copper. An intensely altered epidote skarn rock (822-4060) contained 2.6 opt silver and 1.74% copper. The remaining samples contained background geochemical values.

Trench 88-2 is small (2 meters by 1 meter). Trenching was difficult due to abundant limestone boulders. Two soil samples were collected from the bottom of the trench. Both samples consisted of B horizon soil and contained 45 ppb gold/0.9 ppm silver and 41 ppb gold/1.4 ppm silver. A grab sample of marble with pyrite from the trench (822-4074) contained 27 ppb gold/0.16 ppm silver and 18 ppm copper.

The east part of Trench 88-3 was dug slightly above and east of the boulder train containing the high grade float. The west part of Trench 88-3 was dug slightly below and to the west of the boulder train. The two parts were joined by a downslope trending section. The boulder train was completely excavated to facilitate trenching.

Fifteen soil samples were collected from Trench 88-3. Three of the soil samples represent a vertical soil profile. Sample 826-4123 from the 0.45 meter deep A horizon contained 713 ppb gold and 2.97 ppm silver. Sample 826-4124 from the upper B horizon contained 1020 ppb gold and 2.17 ppm silver and sample 826-4125 from the rocky, lower B horizon contained 99 ppb gold and 2.6 ppm silver. Two other soil samples from the trench contain 103 ppb gold/2.24 ppm silver and 102 ppb gold/4.59 ppm silver. All other gold values are less than 100 ppb. Silver values range from 0.51 ppm up to 4.59 ppm. Copper values are all less than 100 ppm.

The central part of the trench contains a zone of large, distinctive rust weathering boulders. The boulders consist of brecciated and silica flooded limonitic stained graphitic metasedimentary rocks. Disseminated pyrite (up to 5%) occurs in the silicified parts of the rocks. This part of the trench contained the soil sample with the highest gold content (1020 ppb gold and 2.17 ppm silver). Eighteen rock samples were collected from this zone. Fifteen of the rock samples contained greater than 100 ppb gold. Three of these contained 0.2 opt gold/5.4 ppm silver, 0.25 opt gold/5.2 ppm silver and 2000 ppb gold/1.05 opt silver. One egg size piece of malachite and tetrahedrite containing 9.37 opt silver and 4.7% copper was found in the west part of the trench.

Five sections of drill core from DDH 13 (Potter, 1986) were sampled (Appendix A). Precious metal values in all samples were less than 100 ppb gold and 1 ppm silver, which corresponds to 1986 assay results. The sample which contained the highest gold (72 ppb gold, 0.68 ppm silver) consisited of rusty rhyolite porphyry containing 2% pyrite.

Quartz Vein Breccia Zone

Rock Geochemistry

The quartz vein breccia outcrop and surrounding area was the target of extensive prospecting and sampling. A total of 81 rock samples were collected. The sample locations and results are shown in Figures 6 and 9.

Float samples collected from a boulder train downslope from the quartz vein breccia outcrop contain up to 8400 ppb gold and 3.51 opt silver. One other sample from this area contains 3580 ppb gold, 720 ppm silver and 3700 ppm arsenic. Several others contain over 500 ppb gold and 1000 ppm arsenic. Samples containing greater than 100 ppb gold are typically rusty weathering grey quartz containing up to 1% disseminated pyrite. Original textures have been obscured by silicification, but the samples vary from quartz vein breccia to silicified rhyolite. The 8400 ppb gold float samples probably comes from the poorly exposed rusty section of the quartz vein breccia outcrop (see MINERALIZATION AND ALTERATION).

Similar float was also found upslope of the quartz vein breccia outcrop. Rock samples collected contained up to 1180 ppb gold and 5.15 ppm silver. Most samples are rusty brown, fine grained siliceous rock containing some limonite. Float and subcrop of rock similar to the quartz vein breccia outcrop was found 125 meters east upslope and on strike from the outcrop. All samples collected from this far eastward extension of the quartz vein material contain less than 100 ppb gold.

Soil Geochemistry

A grid was established over the Quartz Vein Breccia Zone and soil samples were collected at 5 meter by 5 meter intervals, increasing to 10 meters by 10 meters near the perimeter. One hundred and sixty-four soil samples were collected and analysed for gold, silver and copper. Sample locations and gold and silver results are plotted in Figure 10. Most soil samples consisted of brown, B horizon soil.

Soil samples containing gold values of up to 560 ppb were collected downslope from the quartz vein breccia outcrop; between

the outcrop and Anomaly Creek. A copper anomaly (>100 ppm copper) is associated with the gold anomaly. Silver delineates a broad east-west trending >1 ppm anomaly parallel to the trend of the quartz vein breccia outcrop and the east-west rhyolite dyke. Silver values increase eastward to up to 12 ppm at the edge of the grid.

Trenching

An 11 meter long trench was hand dug by Aurum personnel to expose the upslope side of the quartz vein breccia outcrop (Figure 9). A rusty, altered part of the outcrop was of particular interest due to its similarity to high grade float samples collected downslope. The outcrop ends abruptly along most of the trench and in most places only B horizon soil is exposed. Soil samples were collected at 1 meter intervals from depths less than 25 cm. Chip samples of the upslope side of the quartz vein breccia outcrop were collected at 2 meter intervals. The chip samples were typically grey to rusty weathering brecciated quartz containing limonite on fractures and in small vugs.

Precious metal values of soil samples collected from the trench are less than 100 ppb gold and 1 ppm silver. Three of the chip samples contain over 100 ppb gold and over 1 ppm silver; up to 322 ppb gold and 15.0 ppm silver.

CONCLUSIONS

The LATER claims are underlain by Tertiary Skukum Group volcanic rocks which unconformably overlie Late PreCambrian-Early Paleozoicc Yukon Group metasedimentary rocks. Cretaceous granite and granodiorite of the Coast Plutonic Complex intrude the metasedimentary rocks. Tertiary dykes and intrusive bodies crosscut all units. Hydrothermally altered and mineralized fracture and shear zones are associated fault zones. These fault zones trend NE-SW, and are parallel to a major NE-SW trending fault 3 kilometers south of the claims.

Several zones of mineralization were mapped and sampled during the 1988 field season; the Nodisco zone and the Quartz Vein Breccia zone are the most significant.

The Nodisco zone consists of altered, pyritized metasedimentary float containing up to 0.325 opt gold, 4.62 ppm silver and 4300 ppm arsenic. Hand trenching below the float exposed a zone of brecciated and silica flooded graphitic metasedimentary rocks, typically containing over 100 ppb gold and 5 ppm silver. Soil samples from the trench contain up to 1020 ppb gold and 2.17 ppm silver.

The Quartz Vein Breccia zone is centered on a resistant quartz outcrop surrounded by quartz float. The lithology of the outcrop is uncertain because pervasive brecciation and silicification of the original host rock or quartz vein has obscured any primary textures. Siliceous pyritized float samples collected downslope from the outcrop contain up to 8400 ppb gold and 3.51 opt silver. Samples collected upslope from the outcrop contain up to 1180 ppb gold and 5.15 ppm silver. Similarities between these samples and a poorly exposed, rusty section of the quartz vein breccia outcrop indicate that the quartz vein breccia outcrop may represent a partial source for the anomalous samples. Chip samples collected along a hand dug trench excavated along the upslope side of the outcrop contain up to 322 ppb gold and 15 ppm silver over 1 meter. Hand trenching was difficult and ineffective; blasting is recommended for future trenching in this zone.

Several other areas on this property need to be evaluated for precious metal potential, in light of the epithermal and skarn styles of mineralization discovered to date.

RECOMMENDATIONS

Results of hand trenching and sampling warrant a follow up surface program during the 1989 season. The following two phase success contingent program is recommended.

Phase I

1. Geological mapping property at 1:10,000 scale with particular attention paid to structure and alteration.

2. Blast trenching several trenches in both the Nodisco and Quartz Vein Breccia Zones.

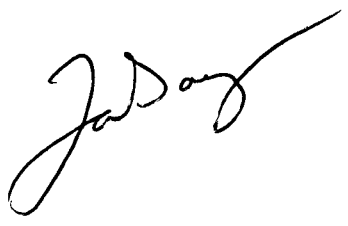
3. (R. Tykajlo) A thorough VLF-EM and total field magnetic mapping survey over a closely spaced grid (10 x 10 meter and 5 x 5 meter respectively) is recommended to map the strike extent and width of the anomalous zones, and guide further trenching or drilling.

Phase II

Should the results of Phase I prove encouraging, then a helicopter supported diamond drill program should be carried out. Extent of program is contigent on results.

Phase I Budget

Geology	$ 27,000
Geochemistry	10,000
Geophysics	6,000
Trenching	10,000
Helicopter 20 hrs @ $600/hr	12,000
Camp Costs	10,000
Field Supplies	1,000
Rentals	1,000
Travel	2,000
Report Writing	5,000
Assessment Fees	1,000
Freight & Postage	2,000
Subtotal	$ 87,000
Contingency (plus 10%)	9,000
TOTAL	**$ 96,000**



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approximate claim group perimeter

LITHIC BRECCIA ZONE

CREEK ZONE

NODISCO ZONE

SKARN ZONE

RHYOLITE ZONE

QUARTZ VEIN BRECCIA ZONE

N. W. Creek

approximate claim group perimeter

LEGEND

LITHOLOGIES

TERTIARY
SKUKUM GROUP

- 9 andesite porphyry dyke
- 8 rhyolite feldspar porphyry dyke
- 7 rhyolite quartz feldspar porphyry dyke
- 6 dacite feldspar porphyry dyke
- 5 rhyolite dyke
- 4 rhyolite lapilli tuff
- 3 rhyolite tuff, lapilli tuff

CRETACEOUS
COAST INTRUSIONS

- 2 granodiorite

PALEOZOIC and OLDER
YUKON GROUP

- 1 gneiss, quartzite, marble, meta-sediments

NOTE: Geology from, Lyons,C., Baldys,C. and Arscott,D., 1985, Program Report on the LATER Claims. Company Report - Kerr-Addison Mines Ltd.

SYMBOLS

- geological boundary (assumed)
- fault
- grid location
- VLF-EM conductors - probable faults (Fraser Filtered profiles), re-interpretation of Kerr-Addison VLF-EM survey
- areas of previous work
- areas of work during the 1988 field season
- creek
- 5500 elevation contour, interval 100 ft.

#103

092612

100m 0 100 200 300m
METRES

822

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

PROPERTY GEOLOGY & ZONE LOCATION MAP

Aurum Geological Consultants Inc.		DECEMBER, 1988	
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:5000	FIGURE: 3

lithic breccia subcrop

talus

5&4
talus

8224045/3, 0.3

8224053/2, < 0.02

8224054/2.0, 0.06

8224056/9.0, 0.38

8224044/11, 0.59

× 8224043 (C49R)/31, 0.76

RUSTY CLAY ALONG VLF ANOMALY

4&1
talus

8225020/2, 0.28

8225019/3, 0.21

8225018/8, 1.04

8225017/27, 0.5

8225016/55, 0.79

lithic breccia subcrop

8224040/10, 0.46

8224041/3, 32.57

8224047/3, 0.79 o.p.t.

lithic breccia subcrop & talus

8224012/9, 0.59

8224042/< 2, 63.77

8224046/2, 0.97 o.p.t.

8224055/2.0, 0.31

8224011/15, 1.12

1 + 25E

1 + 75E

2 + 25E

2 + 75E

0 + 50S

0 + 00

1 + 00N

0 + 50N

LEGEND

LITHOLOGIES

TERTIARY

SKUKUM GROUP

- 9 andesite porphyry dyke
- 8 rhyolite feldspar porphyry dyke
- 7 rhyolite quartz feldspar porphyry dyke
- 6 dacite feldspar porphyry dyke
- 5 rhyolite dyke
- 4 rhyolite lapilli tuff
- 3 rhyolite tuff, lapilli tuff

CRETACEOUS

COAST INTRUSIONS

- 2 granodiorite

PALEOZOIC and OLDER

YUKON GROUP

- 1 gneiss, quartzite, marble, meta-sediments

*NOTE: Legend from – Lyons,C., Baldys,C. and Arscott,D., 1985, Program Report on the LATER Claims, Company Report, Kerr-Addison Mines Ltd.

SYMBOLS

- geological boundary (defined, approximate)
- area of outcrop
- area of subcrop
- × 8224056/9.0, 0.38 rock (float) sample location, sample number/ Au(ppb), Ag(ppm) unless otherwise indicated
- ×C49R Kerr-Addison rock sample
- VLF anomaly
- trench
- grid location

10m 0 10 20 30m

METRES

823

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

LITHIC BRECCIA ZONE
GEOLOGY and ROCK GEOCHEMISTRY

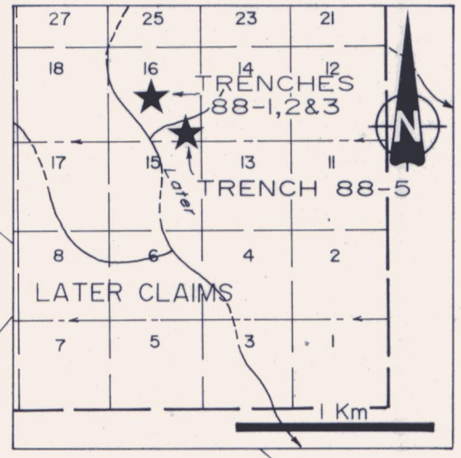
Aurum Geological Consultants Inc.		DECEMBER, 1988	
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:500	FIGURE: 4

3 + 00E
3 + 00S
3 + 50S
3 + 50E
4 + 00S
4 + 00E
4 + 50S
4 + 50E
5 + 00E
6 + 00E
6 + 50E
2 + 00S
2 + 50S

LATER CREEK

Anomaly Creek

8225051/92, 1.91
8225050/16, 0.39
8224050/104, 6
8224051/3, 0.13
8224019/12, 0.02
8225022/123, 4.53
8215002a/27, 0.71
b/ too small
8215003/341, 1.74
8225053/269, 1.84
8215001/226, 3.74



LEGEND

× 8215003/ 341, 1.74 — rock (outcrop) sample location, sample number/Au(ppb), Ag(ppm)

× 8225053/ 269, 1.84 — rock (float) sample location, sample number/Au(ppb) Ag(ppm)

grid location

20m 0 20 40m
METRES

824

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

RHYOLITE ZONE
ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.			DECEMBER, 1988
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:1000	FIGURE: 5

LEGEND

LITHOLOGIES

TERTIARY
SKUKUM GROUP
- 9 andesite porphyry dyke
- 8 rhyolite feldspar porphyry dyke
- 7 rhyolite quartz feldspar porphyry dyke
- 6 dacite feldspar porphyry dyke
- 5 rhyolite dykes
- 4 rhyolite lapilli tuff
- 3 rhyolite tuff, lapilli tuff

CRETACEOUS
COAST INTRUSIONS
- 2 granodiorite

PROTEROZOIC
YUKON GROUP
- 1 gneiss, quartzite, marble, meta-sediments

NOTE: Legend from, Lyons,C., Baldys,C. and Arscott,D., 1985, Program Report on the LATER Claims Company Report - Kerr-Addison Mines Ltd.

SYMBOLS

- area of outcrop
- geological boundary (defined, assumed)
- subcrop & talus
- bedding (inclined)
- jointing (inclined)
- inferred fault
- diamond drill hole
- trench
- Kerr-Addison rock sample location
- rock (outcrop) sample location, sample number/ Au in ppb, Ag in ppm
- rock (float) sample location, sample number/ Au in ppb, Ag in ppm (unless otherwise indicated, Au in ppb unless otherwise indicated)
- soil sample location, sample number/ Au in ppb, Ag in ppm
- float
- grid location
- creek

10m 0 10 20 30m
METRES

NODISCO ZONE

TRENCH 88-1

TRENCH 88-2

TRENCH 88-3

DDH No. 13

QUARTZ VEIN BRECCIA ZONE

TRENCH 87-1

Anomaly Creek

marble with quartz/calcite pods

marble talus

rhyolite tuff/ porphyry talus

argillite with minor brecciation and quartz veining

transgressive contact

4 talus

8 talus

marble and crystalline limestone (minor breccia and calcite/epidote) talus

brecciated marble, minor skarn

gossanous fractured metasediment

rhyo-dacite subcrop & talus

rhyo-dacite porphyry talus

quartz vein and breccia subcrop/ talus

crystalline limestone

talus

brown-beige siliceous float

KERR-ADDISON
YL86-12
YL86-04
YL86-06

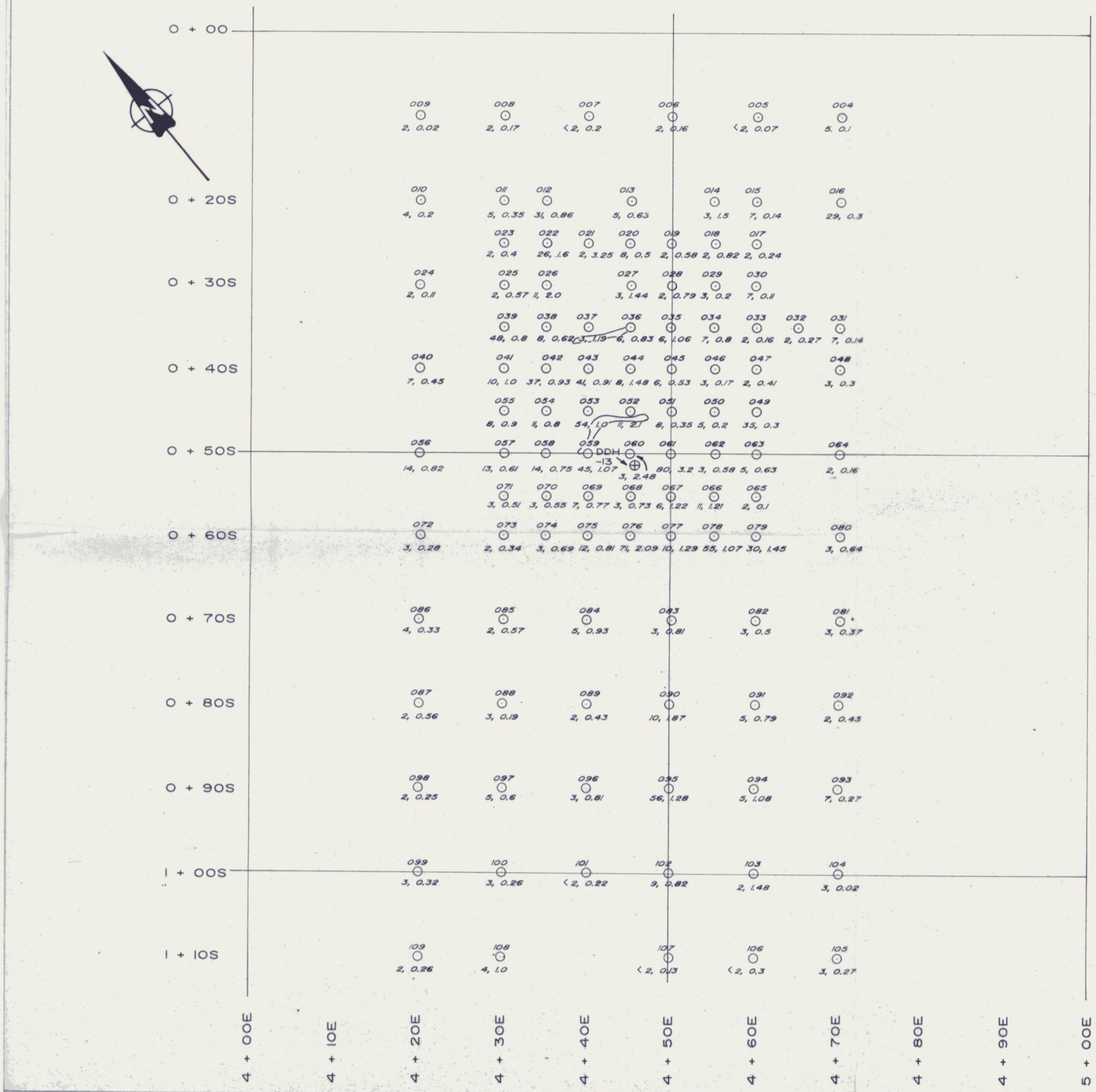
825

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

NODISCO ZONE & QUARTZ VEIN BRECCIA ZONE ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.		DECEMBER, 1988	
NTS 105 D/5&6	DRAWN BY DP	SCALE 1:500	FIGURE: 6



LEGEND

trench outline

soil sample location

sample number, all sample numbers begin with *8264*

094
5, 1.08

Ag in ppm

Au in ppb

*NOTE: copper values in Appendix A

10m 0 10 20m
METRES

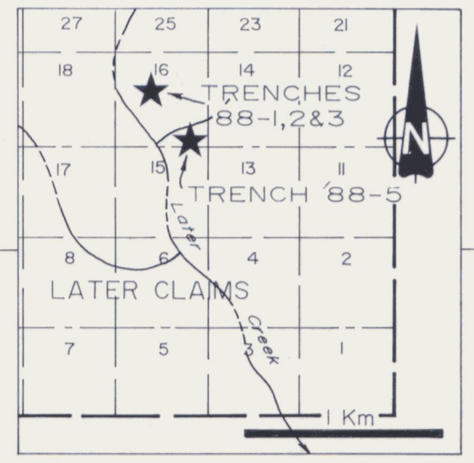
824

TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

NODISCO ZONE
SOIL GEOCHEMISTRY

Aurum Geological Consultants Inc.			DECEMBER, 1988
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:500	FIGURE: 7



TRENCH 88-2

8264131/45, 0.9

8264132/41, 1.14

0 + 20S

8224074/27, 0.16

8224018/172, 8.56

8

8

8

4

4

4

0 + 30S

8225014/2.0, 1.42

8224016/41, 0.56

TRENCH 88-1

8264121/<2.0, 0.23
8264120/3.0, 1.43
8264112/2.0, 1.98
8264113/3.0, 0.85
8264114/4.0, 0.68
8264115/10.0, 1.25
8264119/6.0, 1.5
8264118/15, 2.75
8264117/10, 2.85
8264116/86, 3.88
8224058/2.0, 0.1
8224059/5.0, 2.32, 290 ppm Cu
8224061/3.0, 2.6 o.p.t. Ag, 1.74% Cu
8224060/4.0, 0.22

E.O.H. 96.3m
45°

8222016/32, 0.6

0 + 40S

area of yellow/orange/red weathering siliceous brecciated metasedimentary rocks ± pyrite – also rhyolite

ROCK SAMPLES FROM THIS AREA

8224063/300,18.8
8224064/350, 9.0
8224065/49.0, 5.6
8224066/126.0, 7.8
8224067/27.0, 0.58
8224069/7800 (0.2 o.p.t.), 5.4
8224070/86.0, 1.25
8224071/280, 17.5
8224072/10000 (0.25 o.p.t.), 5.2
8224073/205, 16.0
8224075/200, 3.6
8224076/172, 6.0
8224077/111, 5.0
8222061/131, 3.85
8222062/2000, 1.05 o.p.t.
8222063/164, 10.0
8222064/320, 5.4
8222065/170, 8.4

8264130/103,2.24
8264129/87, 1.73
8264123/713, 2.97
8264124/1020, 2.17
8264125/99, 2.6
8264126/36, 2.53
8264127/39, 3.3
8264128/14, 1.17
8224015/56, 0.05
8224062/2.0, 0.56
8264140/25, 0.9
8264141/67.0, 3.38
YL5C97R, 8224014/ 0.325 o.p.t. Au, 4.62
8264142/84, 4.07
8222015/3100, 1.86
malachite
8224068/9.37 o.p.t. Ag, 4.7% Cu
8264143/102, 4.59
8264144/12, 1.22
8264145/4.0, 0.51
8224013/17, 0.98
8264146/11, 1.12

TRENCH 88-3 & 4

DDH No. 13
(1655m)

8224039/3800, 2.18

8222013/2, 0.24
8222014/2, <0.2
8224037/41, 3.04

4 + 50E

8226009/550, 9.2

0 + 50S

TRENCH VOLUME CALCULATIONS

TRENCH 88-1 : 7.0m x 0.8m x 1m = 5.6 cubic metres
TRENCH 88-2 : 2m x 1m x 1m = 2.0 cubic metres
TRENCH 88-3 : 11.9m x 1m x 1m = 11.9 cubic metres

Total Volume of Material Removed 19.5 cubic metres

1m 0 1 2 3 4 5 6 7m
METRES

LEGEND

LITHOLOGIES

TERTIARY
SKUKUM GROUP
- 9 andesite porphyry dyke
- 8 rhyolite feldspar porphyry dyke
- 7 rhyolite quartz feldspar porphyry dyke
- 6 dacite feldspar porphyry dyke
- 5 rhyolite dyke
- 4 rhyolite lapilli tuff
- 3 rhyolite tuff, lapilli tuff

CRETACEOUS
COAST INTRUSIONS
- 2 granodiorite

PALEOZOIC and OLDER
YUKON GROUP
- 1 gneiss, quartzite, marble, meta-sediments

*NOTE: Legend from - Lyons,C., Baldys,C. and Arscott,D., 1985, Program Report on the LATER Claims. Company Report, Kerr-Addison Mines Ltd.

SYMBOLS

- geological boundary (assumed)
- trench boundary
- drill hole
- brecciated and silica flooded limonite stained graphitic meta-sedimentary rock boulders
- 8224062/2.0 0.56 — rock (float) sample location, sample number/Au(ppb), Ag(ppm)
- 8264145/4.0, 0.51 — soil sample location, sample number/Au(ppb). Ag(ppm)
- grid location

*NOTE: rock sample YL5C97R taken previous to 1988 field season by Kerr-Addison

0 + 60S

4 + 30E

4 + 40E

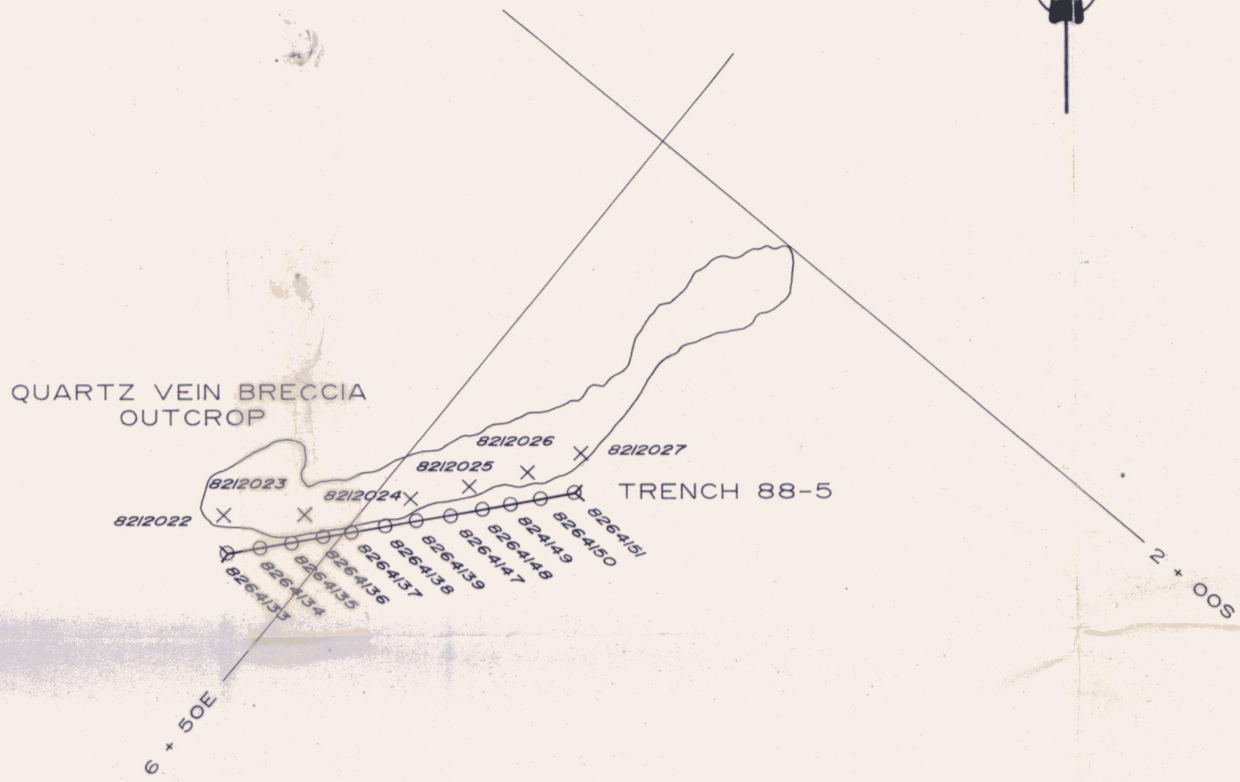
PACIFIC TRANS - OCEAN RESOURCES LTD.

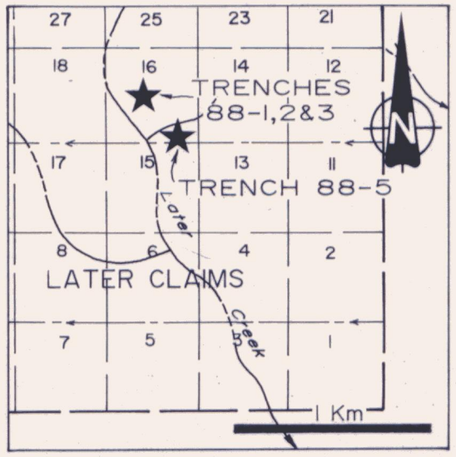
LATER CLAIMS
WHITEHORSE MINING DISTRICT

NODISCO ZONE
TRENCH GEOCHEMISTRY

Aurum Geological Consultants Inc.		DECEMBER, 1988	
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:100	FIGURE: 8

825





LEGEND

- quartz vein breccia outcrop
- X 8212022 — rock chip sample location with sample number
- ⊙ 8264136 — soil sample location with sample number
- grid location

TRENCH GEOCHEMISTRY

SAMPLE No.	Au(ppb)	Ag(ppm)	Cu(ppm)
SOIL SAMPLES			
8264133	39.0	1.50	30.0
8264134	36.0	1.79	32.0
8264135	5.0	1.03	20.0
8264136	3.0	1.02	18.0
8264137	8.0	0.87	17.0
8264138	37.0	1.03	17.0
8264139	11.0	1.05	16.0
8264147	6.0	0.60	17.0
8264148	75.0	1.50	20.0
8264149	30.0	1.40	18.0
8264150	34.0	1.20	20.0
8264151	6.0	0.85	19.0
CHIP SAMPLES			
8212022	103.0	0.76	
8212023	76.0	1.15	
8212024	322.0	15.0	
8212025	29.0	0.23	
8212026	100.0	3.40	7.0
8212027	31.0	1.0	N/A

TRENCH 88-5
VOLUME CALCULATION
11m x 0.5m x 0.5m = 2.75 cubic metres

5m 0 5m
METRES

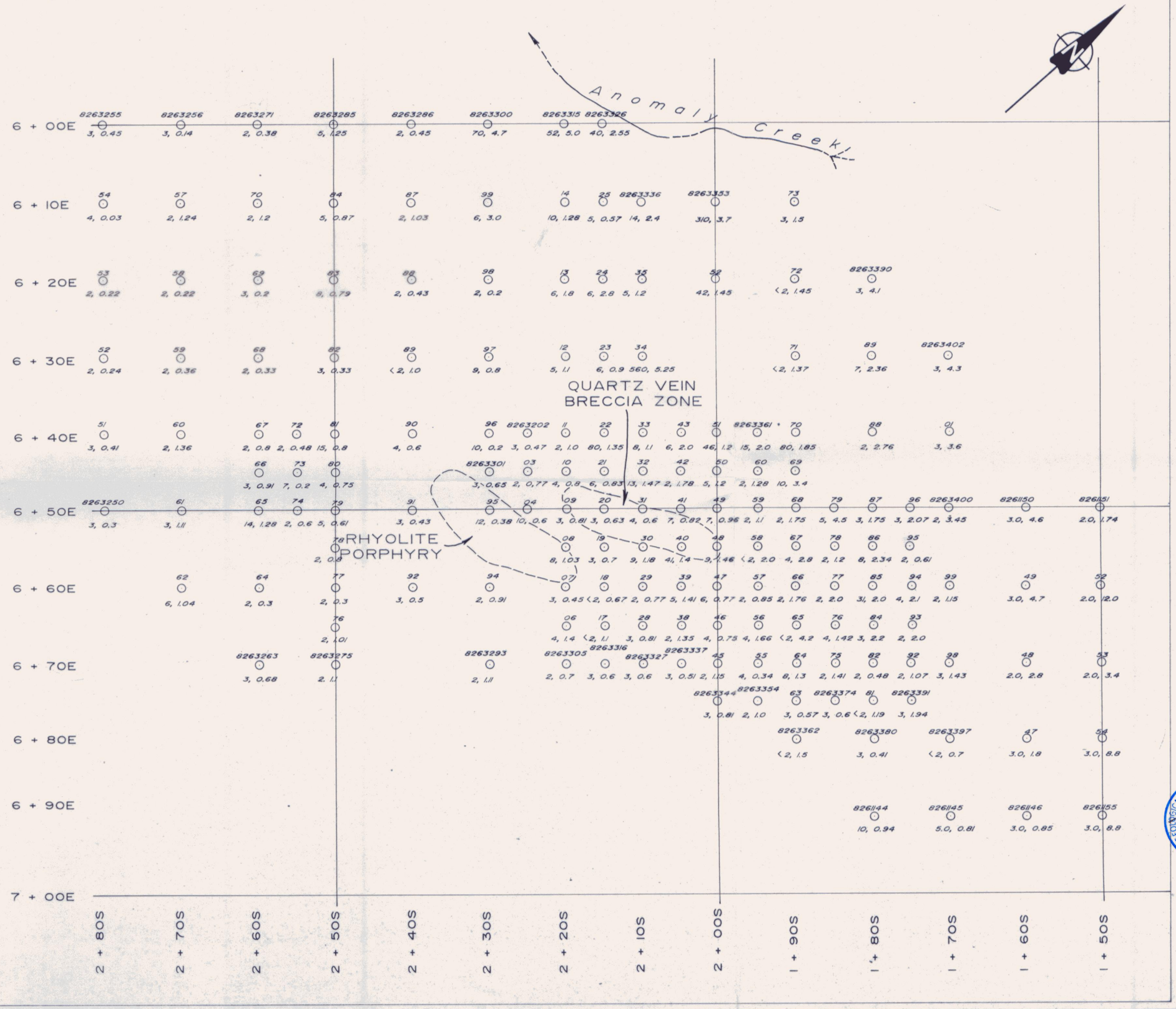
826

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

QUARTZ VEIN BRECCIA ZONE
ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.			DECEMBER, 1988
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:200	FIGURE: 9



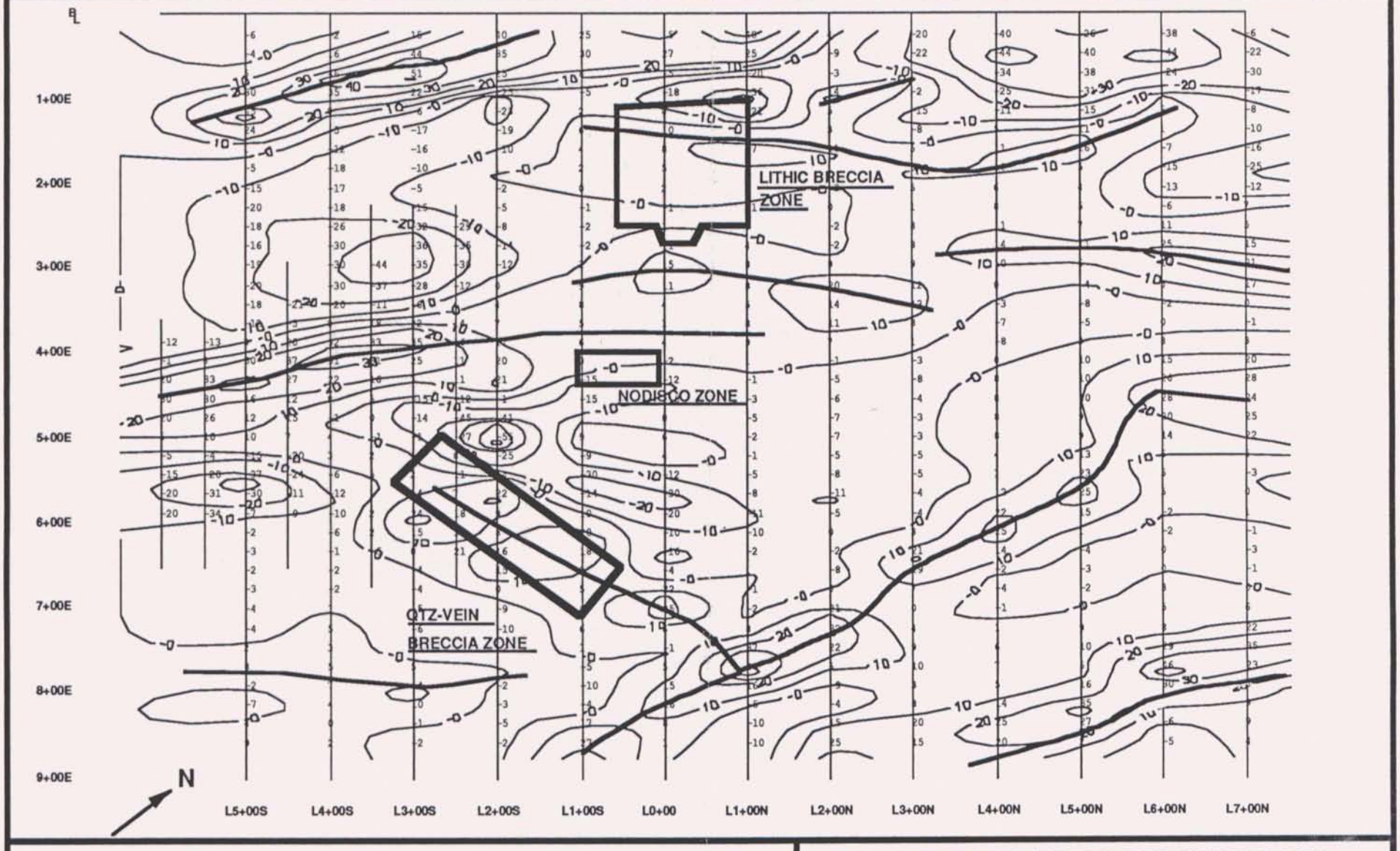
827

PACIFIC TRANS - OCEAN RESOURCES LTD.

LATER CLAIMS
WHITEHORSE MINING DISTRICT

QUARTZ VEIN BRECCIA ZONE
SOIL GEOCHEMISTRY

Aurum Geological Consultants Inc.			DECEMBER, 1988
NTS 105 D/5&6	DRAWN BY LW	SCALE 1:500	FIGURE: 10



LEGEND

VLF-EM Anomaly Trend

Fraser Filter Contour

45 Fraser Filter Value

PACIFIC TRANS-OCEAN RESOURCES LTD.

MT. SKUKUM PROJECT - LATER GRID

FRASER FILTERED VLF-EM IN-PHASE SURVEY (1985)

Re-interpretation

Figure 11	100M	Nov. 88

APPENDIX A

ANALYTICAL METHODS, RESULTS AND SAMPLE DESCRIPTIONS

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

November 10, 1987

Mr. Tom Garagan,
Aurum Consultants Ltd.,
#4, 707 - 3 Ave. N.W.,
Calgary, Alberta

Dear Tom,

Enclosed please find summaries of the methods used for the analysis of your rock and soil samples submitted during 1987.

If you have any questions, or require further information, please do not hesitate to contact me.

Yours truly,
BARRINGER MAGENTA LABORATORIES (ALBERTA) LTD.

C. Douglas Read,
President

CDR/lf

ANALYSIS OF ARSENIC:

A 0.500 gram aliquot of sample is leached in 6M HCl and the final volume adjusted. The arsine gas is passed through a lead acetate scrubber and complexed with silver DDC in chloroform, which is then measured on a Spectronic 88 Colorimeter with freshly prepared standards.
The detection limit is 1ppm.
For rock samples, the sample is decomposed with pyrosulphate fusion prior to leaching in HCl.

ANALYSIS OF MERCURY:

A 0.200 gram sample is digested in nitric and sulphuric acids for 3½ hours. After cooling and adjusting the final volume, an aliquot is removed and added to stannous chloride. The mercury vapor evolved is measured on a Varian Techtron atomic absorption spectrometer.
The detection limit is 5 ppb.

ANALYSIS OF ANTIMONY

A 0.500 gram aliquot of sample is leached in 8M HCl and the final volume adjusted. A portion of solution is removed and the antimony is extracted with methyl iso-butyl ketone. The antimony is measured by atomic absorption with freshly prepared standards.
The detection limit is 5 ppm.
For rock samples, the sample is decomposed with a pgrosulfate fusion prior to leaching with HCl.

GEOCHEMICAL ANALYSIS OF GOLD AND SILVER BY FIRE ASSAY AND ATOMIC ABSORPTION

(The detection limit for gold is 2 ppb)

A one assay-ton (29.16 grams) sample is mixed with the standard charge and an aliquot of known concentration of palladium. The palladium acts as an inquart to enhance the collection of small amounts of gold. Following cupellation, the dore bead is completely dissolved in aqua regia. The gold is extracted into methyl isobutyl ketone (MIBK) and subsequently analysed by atomic absorption spectrophotometry (A.A.S.)

Silver may be determined by direct aspiration of the solution by A.A.S. prior to the extraction stage.
The detection limit for silver is 10 ppb.

CONVENTIONAL GRAVIMETRIC ASSAY OF GOLD AND SILVER

(The detection limit for gold is 0.003 ounces per ton)

1. Flux by adding 77 grams of general flux to 30 gram crucible.
2. Roll sample with rolling cloth 20 times.
3. Weigh 1 A.T. (29.166 grams)
4. Mix charge.
5. Add 1ml $AgNO_3$ solution to charge.
   (1 ml $AgNO_3$ solution contains 2 mg of Ag)
6. Cover mixed charge with borax or flux.
7. Fuse charge for 35-40 minutes in gas furnace at 900°C.
8. Pour charge into mould and cool.
9. Remove all slag from lead button with hammer (pound lead square).
10. Preheat cupel (bone ash cupel) in electric furnace for about 15 to 20 minutes. Then put lead square into cupel. The cupellation temperature should be 850°c.
11. After cupellation is complete, remove from furnace and transfer dore (the gold and silver bead) to a porcelain parting cup (size 00 Coors porcelain crucible.)
12. Flatten and clean core by using hammer.
13. Weigh dore on gold balance.
14. Subtract dore weight of blank from sample dore weight.
15. Fill porcelain cup containing dore with 10 ml parting acid (1 part HNO_3:5 parts distilled water) and heat over low temperature hot plate until parting action has ceased (about 15 minutes at 85°C).
16. Decant off parting acid and wash gold with distilled water three times.
17. Dry the crucible and gold on hot plate.
18. The crucible is then heated to a bright red in an open flame

to anneal the gold. When complete, the gold will be gold coloured.

19. Weigh the gold on a gold balance.

20. The difference in weight is the silver assay and the final weight is the gold assay.

Analysis of Lead, Zinc, Copper, Manganese and Iron

A 0.250 gram sample is digested in nitric and perchloric acids for 4 hours. After diluting to a final volume, the solution is analysed for lead, zinc, copper, manganese and iron by atomic absorbtion spectometry. The detection limit is 1 ppm.

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PHONE: (403) 920-4500

07-JUL-88

COPY: 1 OF 4

AUTHORITY:J. WEGENAST

AURUM GEOLOGICAL CONSULTANTS
604, 675 WEST HASTINGS STREET
VANCOUVER, B.C. V6B 1N2

PROJECT: 1102

WORK ORDER: 5175D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	ASSAY FIRE ASSAY AU OZ/TON	ASSAY FIRE ASSAY AG OZ/TON
821: 5001	226.0	3.74	NA	NA
821: 5004	134.0	2.52	NA	NA
821: 5005 -A	111.0	2.62	NA	NA
821: 5005 -B	43.0	1.26	NA	NA
821: 5006	120.0	3.24	NA	NA
821: 5007	31.0	0.17	NA	NA
821: 5008	243.0	1.37	NA	NA
822: 5050	16.0	0.39	NA	NA
822: 5051	92.0	1.91	NA	NA
822: 5052	123.0	4.53	NA	NA
822: 5053	269.0	1.84	NA	NA
822: 4010	31.0	>20.0	NA	2.16
822: 4011	15.0	1.12	NA	NA
822: 4012	9.0	0.59	NA	NA
822: 4013	17.0	0.98	NA	NA
822: 4014	12300.0	4.62	0.325	NA
822: 4015	56.0	0.05	NA	NA
822: 4016	41.0	0.56	NA	NA
822: 4017	8.0	<0.02	NA	NA
822: 4018	172.0	8.56	NA	NA
822: 4019	12.0	0.02	NA	NA
822: 4020	117.0	1.73	NA	NA
822: 4021	9.0	1.07	NA	NA
822: 4022	92.0	1.94	NA	NA
822: 4023	261.0	6.48	NA	NA
822: 4024	8400.0	>20.0	NA	3.51
822: 4025	71.0	2.93	NA	NA
822: 4026	3580.0	9.23	NA	NA
822: 4027	200.0	4.62	NA	NA
822: 4028	536.0	4.56	NA	NA

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WORK ORDER: 5175D-88

ATTN: T. GARAGAN

***** FINAL REPORT *****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	ASSAY FIRE ASSAY AU OZ/TON	ASSAY FIRE ASSAY AG OZ/TON
822:	4029	574.0	13.88	NA	NA
822:	4030	627.0	12.49	NA	NA
822:	4031	35.0	1.02	NA	NA
822:	4032	179.0	>20.0	NA	0.685
822:	4033	150.0	3.84	NA	NA
822:	4034	1540.0	>20.0	NA	0.835
822:	4035	73.0	4.39	NA	NA

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
PACIFIC TRANS OCEAN RES.
EDMONTON, ALBERTA
ELMER STEWART

AURUM CONSULTANTS
WHITEHORSE, YUKON

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

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07-JUL-88

AUTHORITY:P. MAHEUX

PROJECT: 1102

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WORK ORDER: 5176D-88

ATTN: T. GARAGAN

****PRELIMINARY REPORT****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	
822:	2008	10.0	0.12	Tarlock
822:	2009	12.0	0.08	Tarlock
821:	5002	27.0	0.71	
821:	5003	341.0	1.74	LATER
822:	5009	39.0	0.87	
822:	5010	241.0	7.76	
822:	5011	27.0	3.79	
822:	5012	74.0	6.68	
822:	5013	396.0	5.72	
822:	4036	14.0	0.03	JW?
822:	2007	25.0	0.42	Tarlock

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PROJECT: 1102

WORK ORDER: 5176D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
822:	2008	10.0	0.12
822:	2009	12.0	0.08
821:	5002	27.0	0.71
821:	5003	341.0	1.74
822:	5009	39.0	0.87
822:	5010	241.0	7.76
822:	5011	27.0	3.79
822:	5012	74.0	6.68
822:	5013	396.0	5.72
822:	4036	14.0	0.03
822:	2007	25.0	0.42

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PROJECT: 1102

WORK ORDER: 5184D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	FIRE ASSAY AG OZ/TON	
822:	4043	31.0	0.76	NA	
822:	4044	11.0	0.59	NA	
822:	4045	3.0	0.3	NA	
822:	4046	2.0	>20.0	0.97	LATER
822:	4047	3.0	>20.0	0.79	
822:	4048	3.0	0.64	NA	
822:	4049	14.0	1.4	NA	

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PROJECT: 1102

WORK ORDER: 5183D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
822:	3000	2.0	0.16
822:	4037	41.0	3.04
822:	4038	2.0	0.02 LATER
822:	4039	3800.0	2.18
822:	4040	10.0	0.46
822:	4041	3.0	32.57
822:	4042	<2.0	63.77
822:	5014	2.0	1.42
822:	5015	<2.0	0.02
822:	5016	55.0	0.79
822:	5017	27.0	0.5
822:	5018	8.0	1.04
822:	5019	3.0	0.21
822:	5020	2.0	0.28
822:	2010	42.0	0.9 Fire
821:	2010	<2.0	0.02

BARRINGER MAGENTA
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AUTHORITY: P. MAHEUX

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BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5201D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	
821:: 6000 ✓ LATER	14.0	10.0	
821:: 6001 ✓ "	2.0	>20.0	
821:: 6002 ✓ "	180.0	1.84	Plotted later anomaly Cr.
821:: 6003 ✓ "	31.0	0.6	
821:: 6004 ✓ "	7.0	5.32	
822:: 2013 ✓ "	2.0	0.24	
822:: 2014 ✓ "	2.0	<0.02	
822:: 2015 ✓ "	3100.0	1.86 (DDH13 Later)	Plotted.
822:: 2016 ✓ "	32.0	0.6	
822:: 3001	2.0	1.1	WAT - plotted.
822:: 4050 ✓ LATER	104.0	6.0	- off map
822:: 4051 ✓ "	3.0	0.13	
822:: 4052 ✓ "	3.0	1.41	
822:: 4053 ✓ "	2.0	<0.02	Plotted later
822:: 4054 ✓ "	2.0	0.06	
822:: 4055 ✓ "	2.0	0.31	
822:: 4056 ✓ "	9.0	0.38	off map
822:: 6000 ✓ "	8.0	3.8	
822:: 6001 ✓ "	122.0	2.1	LATER QUN3x
822:: 6002 ✓ "	107.0	1.38	LATER QUN3x
822:: 6003 ✓ "	60.0	2.14	
822:: 6004 ✓ "	31.0	1.01	
822:: 6005 ✓ "	7.0	0.5	Plotted anomaly Cr later
822:: 6006 ✓ "	8.0	1.45	
822:: 6007 ✓ "	102.0	1.72	LATER QUN3x
822:: 6008 ✓ "	202.0	1.28	
822:: 6009 ✓ "	550.0	9.2	
822:: 6010 ✓ "	4700.0	5.2 (DDH 13 LATER)	Plotted
822:: 6011 ✓ "	221.0	4.4	
822:: 6012	7.0	0.03	wat. Plotted.

DP CH RY JW DP

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	AS PPM	SB PPM	FE %	CU PPM
822:4050 ✓ LATER	14.0	2.0	NA	NA
822:4051 ✓ "	320.0	12.0	NA	NA
822:4052 ✓ "	6.0	<1.0	NA	NA
822:6000 ✓ "	4.0	<1.0	NA	NA
822:6013 ✓ "	76.0	<1.0	5.59	9.0 ✓
822:6014 ✓ "	6.0	<1.0	1.0	NA ✓
822:4014 ✓ LATER	4300.0	28.0	NA	15.0 ← re-run at .3 gm Au
822:4024 ✓ "	124.0	8.0	NA	98.0
822:4026 ✓ "	3700.0	22.0	NA	23.0
822:4028 ✓ "	550.0	8.0	NA	12.0
822:4029 ✓ "	1400.0	12.0	NA	58.0
822:4030 ✓ "	1100.0	2.0	NA	35.0
822:4034 ✓ "	86.0	<1.0	NA	5.0
822:4039 ✓ "	550.0	<1.0	NA	21.0

Plotted

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WHITEHORSE, YUKON

WORK ORDER: 5201D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	PB PPM	ZN PPM
822:4050 LATER	NA	NA
822:4051 "	NA	NA
822:4052 "	NA	NA
822:6000 "	NA	NA
822:6013 "	21.0	13.0
822:6014 "	NA	NA
822:4014 "	8.0	10.0
822:4024 "	27.0	10.0
822:4026 "	6.0	44.0
822:4028 "	18.0	63.0
822:4029 "	19.0	44.0
822:4030 "	23.0	52.0
822:4034 "	19.0	6.0
822:4039 "	5.0	39.0

Plotted.

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

ORIGINAL TO:
AURUM GEOLOGICAL CONSULTANTS
VANCOUVER, B.C. V6B 1N2
T. GARAGAN

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

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***** FINAL REPORT *****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

S A M P L E N U M B E R	FIRE ASSAY AG OZ/TON
821::6001 ✓ LATER	0.9 LATER.

DP

plotted:

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PAGE: 1 OF 12
COPY: 3 OF 4
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PROJECT: 1102

AUTHORITY: P. MAHEUX

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WHITEHORSE, YUKON

WORK ORDER: 5239D-88

ATTN: P. MAHEUX

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8226041 ✓ LATER	9.0	0.53
8226042 ✓ "	50.0	11.2
8226043 ✓ "	13.0	0.96
8226044 ✓ "	39.0	1.63
8226045 ✓ "	15.0	0.96
8226046 ✓ "	361.0	1.45
8226047 ✓ "	3.0	0.71
8226048 ✓ "	8.0	1.88
8226049 ✓ "	2.0	0.26
8226050 ✓ "	64.0	8.4
8226051 ✓ "	287.0	19.0
8226052 ✓ "	3.0	1.4
8226053 ✓ "	3.0	1.11
8226054 ✓ "	41.0	1.22
8226055 ✓ "	1180.0	5.15
8226056 ✓ "	33.0	0.87
8226057 ✓ "	6.0	0.3
8226058	3.0	0.02
8226059	6.0	0.06
8226060	4.0	0.1
8226061	3.0	0.02
8226062	3.0	0.03
8226063	3.0	1.0
8226100	159.0	2.02
8226101	2.0	<0.02
8226102	2.0	1.6
8226103	3.0	0.22
8226104	2.0	0.15
8226105	2.0	0.33
8226106	2.0	0.3

NB other half of 8224020 boulder (3580 ppb)

LATER

D.P.

plotted Aug 27/88 CH + DP.

WAT

plotted Aug 27/88

WAT

J.H

plotted Aug 27/88

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COPY: 3 OF 4
C O P Y
PROJECT: 1102

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SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	
8226107	2.0	0.19	WAT
8226108	3.0	0.09	WAT
8216010	230.0	1.16	LATER
8216011	230.0	6.6	LATER
8216012	38.0	1.0	LATER
8216013	4.0	0.52	LATER
8216014	231.0	1.6	LATER
8224057	680.0	8.2	LATER

plotted Aug 29/88

→ Not plotted + No sample description.

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C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	
8266000	4.0	1.0	NA	LATER
DP 8266002	3.0	0.14	NA	WAT
8266003	2.0	0.28	NA	WAT
8266004	3.0	0.16	NA	WAT
8263250 LATER QVB Soil Gnd	3.0	0.3	14.0	
8263251	3.0	0.41	15.0	
8263252	2.0	0.24	15.0	
8263253	2.0	0.22	15.0	
8263254	4.0	0.03	18.0	
8263255	3.0	0.45	25.0	
R.Y. 8263256	3.0	0.14	12.0	plotted Aug 27/88
8263257	2.0	1.24	22.0	
8263258	2.0	0.22	17.0	
8263259	2.0	0.36	17.0	
8263260	2.0	1.36	14.0	
8263261	3.0	1.11	16.0	LATER
8263262	6.0	1.04	13.0	
8263263	3.0	0.68	15.0	
8263264	2.0	0.3	13.0	
8263265	14.0	1.28	19.0	
8263266	3.0	0.91	19.0	
8263267	2.0	0.8	18.0	
8263268	2.0	0.33	17.0	
8263269	3.0	0.2	19.0	
8263270	2.0	1.2	23.0	
8263271	2.0	0.38	16.0	
8263272	2.0	0.48	14.0	
8263273	7.0	0.2	19.0	
8263274	2.0	0.6	18.0	
8263275	2.0	1.1	14.0	

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SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8263276 ✓ LATER QVB Soil Cu	2.0	1.01	14.0
8263277 ✓ "	2.0	0.3	13.0
8263278 ✓ "	2.0	0.8	17.0
8263279 ✓ "	5.0	0.61	20.0
8263280 ✓ "	4.0	0.75	21.0
8263281 ✓ "	15.0	0.8	19.0
8263282 ✓ "	3.0	0.33	17.0
8263283 ✓ "	8.0	0.79	22.0
8263284 ✓ "	5.0	0.87	16.0
8263285 ✓ "	5.0	1.25	22.0
8263286 ✓ "	2.0	0.45	17.0
8263287 ✓ "	2.0	1.03	24.0
8263288 ✓ "	2.0	0.43	16.0
8263289 ✓ "	<2.0	1.0	15.0
8263290 ✓ "	4.0	0.6	20.0
8263291 ✓ "	3.0	0.43	19.0
8263292 ✓ "	3.0	0.5	22.0
8263293 ✓ "	2.0	1.11	17.0
8263294 ✓ "	2.0	0.91	16.0
8263295 ✓ "	12.0	0.38	16.0
8263296 ✓ "	10.0	0.2	16.0
8263297 ✓ "	9.0	0.8	19.0
8263298 ✓ "	2.0	0.2	16.0
8263299 ✓ "	6.0	3.0	61.0
8263300 ✓ "	70.0	4.7	102.0
8263301 ✓ "	3.0	0.65	17.0
8263302 ✓ "	3.0	0.47	19.0
8263303 ✓ "	2.0	0.77	19.0
8263304 ✓ "	10.0	0.6	19.0
8263305 ✓ "	2.0	0.7	16.0

R.Y

LATER

plotted Aug 27/88

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8263306 ✓ LATER QVR Soil Grid	4.0	1.4	19.0
8263307 ✓ "	3.0	0.45	16.0
8263308 ✓ "	8.0	1.03	19.0
8263309 ✓ "	3.0	0.81	19.0
8263310 ✓ "	4.0	0.8	19.0
8263311 ✓ "	2.0	1.0	15.0
8263312 ✓ "	5.0	1.1	20.0
8263313 ✓ "	6.0	1.8	21.0
8263314 ✓ "	10.0	1.28	24.0
8263315 ✓ "	52.0	5.0	240.0
8263316 ✓ "	3.0	0.6	18.0
8263317 ✓ "	<2.0	1.1	17.0
8263318 ✓ "	<2.0	0.67	18.0
8263319 ✓ "	3.0	0.7	18.0
8263320 ✓ "	3.0	0.63	17.0
8263321 ✓ "	6.0	0.83	17.0
8263322 ✓ "	80.0	1.35	22.0
8263323 ✓ "	6.0	0.9	18.0
8263324 ✓ "	6.0	2.8	33.0
8263325 ✓ "	5.0	0.57	31.0
8263326 ✓ "	40.0	2.55	158.0
8263327 ✓ "	3.0	0.6	18.0
8263328 ✓ "	3.0	0.81	19.0
8263329 ✓ "	2.0	0.77	17.0
8263330 ✓ "	9.0	1.18	18.0
8263331 ✓ "	4.0	0.6	16.0
8263332 ✓ "	13.0	1.47	22.0
8263333 ✓ "	8.0	1.1	22.0
8263334 ✓ "	560.0	5.25	155.0
8263335 ✓ "	5.0	1.2	71.0

RY.

LATER

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PAGE: 6 OF 12
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8263336 ✓ LATER QVB Soil Grid	14.0	2.4	33.0
8263337 ✓ "	3.0	0.51	18.0
8263338 ✓ "	2.0	1.35	17.0
8263339 ✓ "	5.0	1.41	19.0
8263340 ✓ "	41.0	1.4	20.0
8263341 ✓ "	7.0	0.82	19.0
8263342 ✓ "	2.0	1.78	19.0
8263343 ✓ "	6.0	2.0	31.0
8263344 ✓ "	3.0	0.81	17.0
8263345 ✓ "	2.0	1.15	19.0
8263346 ✓ "	4.0	0.75	19.0
8263347 ✓ "	6.0	0.77	23.0
8263348 ✓ "	9.0	1.46	27.0
8263349 ✓ "	7.0	0.96	18.0
8263350 ✓ "	5.0	1.2	23.0
8263351 ✓ "	46.0	1.2	24.0
8263352 ✓ "	42.0	1.45	115.0
8263353 ✓ "	310.0	3.7	140.0
8263354 ✓ "	2.0	1.0	20.0
8263355 ✓	4.0	0.34	19.0
8263356 ✓ "	4.0	1.66	23.0
8263357 ✓ "	2.0	0.85	17.0
8263358 ✓ "	<2.0	2.0	23.0
8263359 ✓ "	2.0	1.1	19.0
8263360 ✓ "	2.0	1.28	21.0
8263361 ✓ "	15.0	2.0	34.0
8263362 ✓ "	<2.0	1.5	15.0
8263363 ✓ "	3.0	0.57	16.0
8263364 ✓ "	8.0	1.3	29.0
8263365 ✓ "	<2.0	4.2	25.0

LATER

Plotted Aug 27/88

R.f.

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PAGE: 7 OF 12
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8263366 ✓ LATER QVB Soil Grid.	2.0	1.76	29.0
8263367 ✓ "	4.0	2.8	29.0
8263368 ✓ "	2.0	1.75	23.0
8263369 ✓ "	10.0	3.4	46.0
8263370 ✓ "	80.0	1.85	28.0
8263371 ✓ "	<2.0	1.37	40.0
8263372 ✓ "	<2.0	1.45	39.0
8263373 ✓ "	3.0	1.5	48.0
8263374 ✓ "	3.0	0.6	17.0
8263375 ✓ "	2.0	1.41	23.0
8263376 ✓ "	4.0	1.42	25.0
8263377 ✓ "	2.0	2.0	41.0
8263378 ✓ "	2.0	1.2	34.0
8263379 ✓ "	5.0	4.5	58.0
8263380 ✓ "	3.0	0.41	15.0
8263381 ✓ "	<2.0	1.19	16.0
8263382 ✓ "	2.0	0.48	19.0
8263384 ✓ "	3.0	2.2	68.0
8263385 ✓ "	31.0	2.0	67.0
8263386 ✓ "	8.0	2.34	39.0
8263387 ✓ "	3.0	1.75	53.0
8263388 ✓ "	2.0	2.76	40.0
8263389 ✓ "	7.0	2.36	30.0
8263390 ✓ "	3.0	4.1	52.0
8263391 ✓ "	3.0	1.94	18.0
8263392 ✓ "	2.0	1.07	17.0
8263393 ✓ "	2.0	2.0	82.0
8263394 ✓ "	4.0	2.1	47.0
8263395 ✓ "	2.0	0.61	20.0
8263396 ✓ "	3.0	2.07	25.0

RY

LATER
Plotted Aug 22/88

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PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	
8263397 ✓ LATER QVB Soil Grid	<2.0	0.7	17.0	
8263398 ✓ "	3.0	1.43	19.0	
8263399 ✓ "	2.0	1.15	17.0	LATER
8263400 ✓ "	2.0	3.45	23.0	
8263401 ✓ "	3.0	3.6	60.0	
8263402 ✓ "	3.0	4.3	39.0	
8264004 LATER NDTau Zone Soil Grid	3.0	0.1	18.0	
8264005 ✓ "	<2.0	0.07	29.0	
8264006 ✓ "	2.0	0.16	21.0	
8264007 ✓ "	<2.0	0.2	19.0	
8264008 ✓ "	2.0	0.17	20.0	
8264009 ✓ "	2.0	0.02	12.0	
8264010 ✓ "	4.0	0.2	11.0	Plotted Aug 27/88
8264011 ✓ "	5.0	0.35	25.0	
8264012 ✓ "	31.0	0.86	91.0	
8264013 ✓ "	5.0	0.63	46.0	
8264014 ✓ "	3.0	1.5	60.0	
8264015 ✓ "	7.0	0.14	13.0	
8264016 ✓ "	29.0	0.3	12.0	LATER
8264017 ✓ "	2.0	0.24	13.0	
8264018 ✓ "	2.0	0.82	31.0	
8264019 ✓ "	2.0	0.58	28.0	
8264020 ✓ "	8.0	0.5	34.0	
8264021 ✓ "	2.0	3.25	81.0	
8264022 ✓ "	26.0	1.6	92.0	
8264023 ✓ "	2.0	0.4	24.0	
8264024 ✓ "	2.0	0.11	11.0	
8264025 ✓ "	2.0	0.57	14.0	
8264026 ✓ "	11.0	2.0	200.0	
8264027 ✓ "	3.0	1.44	79.0	

R.Y.

L.W.

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19-AUG-88
PAGE: 9 OF 12
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8264028 ✓ LATER NODISCO Soil Grid	2.0	0.79	24.0
8264029 ✓ "	3.0	0.2	15.0
8264030 ✓ "	7.0	0.11	11.0
8264031 ✓ "	7.0	0.14	11.0
8264032 ✓ "	2.0	0.27	10.0
8264033 ✓ "	2.0	0.16	16.0
8264034 ✓ "	7.0	0.8	21.0
8264035 ✓ "	6.0	1.06	29.0
8264036 ✓ "	6.0	0.83	62.0
8264037 ✓ "	3.0	1.19	61.0
8264038 ✓ "	8.0	0.62	93.0
8264039 ✓ "	48.0	0.8	21.0
8264040 ✓ "	7.0	0.45	11.0
8264041 ✓ "	10.0	1.0	36.0
8264042 ✓ "	37.0	0.93	79.0
8264043 ✓ "	41.0	0.91	54.0
8264044 ✓ "	8.0	1.48	70.0
8264045 ✓ "	6.0	0.53	27.0
8264046 ✓ "	3.0	0.17	13.0
8264047 ✓ "	2.0	0.41	14.0
8264048 ✓ "	3.0	0.3	12.0
8264049 ✓ "	35.0	0.3	13.0
8264050 ✓ "	5.0	0.2	15.0
8264051 ✓ "	8.0	0.35	17.0
8264052 ✓ "	11.0	2.1	77.0
8264053 ✓ "	54.0	1.0	37.0
8264054 ✓ "	11.0	0.8	51.0
8264055 ✓ "	8.0	0.9	78.0
8264056 ✓ "	14.0	0.82	29.0
8264057 ✓ "	13.0	0.61	25.0

L.W.

LATER
Plotted Aug 27/88

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19-AUG-88
PAGE: 10 OF 12
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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8264058 ✓ LATER NO DISC ZONE Soil Grid	14.0	0.75	63.0
8264059 ✓ "	45.0	1.07	46.0
8264060 ✓ "	3.0	2.48	67.0
8264061 ✓ "	80.0	3.2	39.0
8264062 ✓ "	3.0	0.58	19.0
8264063 ✓ "	5.0	0.63	23.0
8264064 ✓ "	2.0	0.16	14.0
8264065 ✓ "	2.0	0.1	14.0
8264066 ✓ "	11.0	1.21	19.0
8264067 ✓ "	6.0	1.22	25.0
8264068 ✓ "	3.0	0.73	26.0
8264069 ✓ "	7.0	0.77	26.0
8264070 ✓ "	3.0	0.55	20.0
8264071 ✓ "	3.0	0.51	34.0
8264072 ✓ "	3.0	0.28	11.0
8264073 ✓ "	2.0	0.34	22.0
8264074 ✓ "	3.0	0.69	75.0
8264075 ✓ "	12.0	0.81	33.0
8264076 ✓ "	71.0	2.09	55.0
8264077 ✓ "	10.0	1.29	28.0
8264078 ✓ "	55.0	1.07	24.0
8264079 ✓ "	30.0	1.45	29.0
8264080 ✓ "	3.0	0.64	18.0
8264081 ✓ "	3.0	0.37	16.0
8264082 ✓ "	3.0	0.5	22.0
8264083 ✓ "	3.0	0.81	21.0
8264084 ✓ "	5.0	0.93	37.0
8264085 ✓ "	2.0	0.57	38.0
8264086 ✓ "	4.0	0.33	22.0
8264087 ✓ "	2.0	0.56	23.0

L.W.

LATER Plotted Aug 27/88

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PAGE: 11 OF 12
COPY: 3 OF 4
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PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
PO BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5239D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM
8264088 ✓ LATER NOONSCO ZONE Soil Grid	3.0	0.19	18.0
8264089 ✓ "	2.0	0.43	13.0
8264090 ✓ "	10.0	1.87	52.0
8264091 ✓ "	5.0	0.79	26.0
8264092 ✓ "	2.0	0.45	16.0
8264093 ✓ "	7.0	0.27	12.0
8264094 ✓ "	5.0	1.08	29.0
8264095 ✓ "	56.0	1.28	40.0
8264096 ✓ "	3.0	0.81	19.0
8264097 ✓ "	5.0	0.6	20.0
8264098 ✓ "	2.0	0.25	17.0
8264099 ✓ "	3.0	0.32	17.0
8264100 ✓ "	3.0	0.26	18.0
8264101 ✓ "	<2.0	0.22	24.0
8264102 ✓ "	9.0	0.82	36.0
8264103 ✓ "	2.0	1.48	45.0
8264104 ✓ "	3.0	0.02	11.0
8264105 ✓ "	3.0	0.27	22.0
8264106 ✓ "	<2.0	0.3	21.0
8264107 ✓ "	<2.0	0.13	14.0
8264108 ✓ "	4.0	1.0	38.0
8264109 ✓ "	2.0	0.26	22.0
8264110 ✓ "	2.0	0.13	11.0
8264111 ✓ "	5.0	0.83	20.0

L.W.

LATER.
Plotted Aug 27/88

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19-AUG-88
PAGE: 12 OF 12
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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WORK ORDER: 5239D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

ORIGINAL TO:
AURUM GEOLOGICAL CONSULTANTS
VANCOUVER, B.C. V6B 1N2
P. MAHEUX

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

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ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8216034	2.0	2.4
8216035	2.0	2.1
8216036	6.0	2.0
8216037	4.0	2.0
8226064	2.0	11.2
8226065	1240.0	5.45
8226066	3.0	2.75
8220002	42.0	0.1
8222030	3.0	0.8
8222031	2.0	0.14
8222032	2.0	0.23
8222033	2.0	1.56
8222034	3.0	0.35
8222035	<2.0	0.18
8222036	10.0	0.86
8222037	29.0	0.2
8222038	1360.0	0.3
8222039	51.0	0.47
8222040	3.0	1.2
8222041	3.0	0.22
8222042	2.0	0.6
8222043	2.0	1.12
8222044	2.0	1.2
8222045	2.0	0.9
8222046	7.0	0.6
8222047	2.0	0.5
8222048	3.0	0.32
8224058	2.0	0.1
8224059	5.0	2.32
8224060	4.0	0.22

TR 88-06 THE 17 (NE ZONE)
float outside TR's
Fault
Central Zone Sand. Tr.
plot pyr.
LATER
"
"

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COPY: 3 OF 4
C O P Y
PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8224061 ✓ LATER	3.0	>20.0
8224062 ✓ "	2.0	0.56
8224063 ✓ "	300.0	18.8
8224064 ✓ "	350.0	9.0
8224065 ✓ "	49.0	5.6
8224066 ✓ "	126.0	7.8

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8266001 Later	380.0	8.0
8264112 ✓ LATER T88-1	2.0	1.98
8264113 ✓ "	3.0	0.85
8264114 ✓ "	4.0	0.68
8264115 ✓ "	10.0	1.25
8264116 ✓ "	86.0	3.88
8264117 ✓ "	10.0	2.85
8264118 ✓ "	15.0	2.75
8264119 ✓ "	6.0	1.5
8264120 ✓ "	3.0	1.43
8264121 ✓ "	<2.0	0.23
8264122 ✓ "	5.0	0.31
8261144 ✓ LATER QVB Soil Grid	10.0	0.94
8261145 ✓ "	5.0	0.81
8261146 ✓ "	3.0	0.85
8261147 ✓ "	3.0	1.8
8261148 ✓ "	2.0	2.8
8261149 ✓ "	3.0	4.7
8261150 ✓ "	3.0	4.6
8261151 ✓ "	2.0	1.74
8261152 ✓ "	2.0	12.0
8261153 ✓ "	2.0	3.4
8261154 ✓ "	3.0	8.8
8261155 ✓ "	3.0	8.8

LATER QVB Grid.

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PAGE: 5 OF 7
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	CU PPM
8264112 WATER T88-1	56.0
8264113 "	31.0
8264114 "	29.0
8264115 "	44.0
8264116 "	52.0
8264117 "	69.0
8264118 "	39.0
8264119 "	72.0
8264120 "	54.0
8264121 "	18.0
8264122 "	23.0
8261144 WATER QUB	17.0
8261145 " Soil Cond	17.0
8261146 "	12.0
8261147 "	17.0
8261148 "	16.0
8261149 "	30.0
8261150 "	36.0
8261151 "	15.0
8261152 "	19.0
8261153 "	37.0
8261154 "	37.0
8261155 "	30.0

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	CU PPM
8224058 ✓ LATER	6.0
8224059 ✓ "	290.0
8224060 ✓ "	8.0
8224061 ✓ "	1.74%
8224062 ✓ "	10.0
8224063 ✓ "	26.0
8224064 ✓ "	7.0
8224065 ✓ "	9.0
8224066 ✓ "	15.0

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PAGE: 7 OF 7
COPY: 3 OF 4
C O P Y
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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ASSAY FIRE ASSAY AG OZ/TON
8224061 √LATER	2.6 -

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

ORIGINAL TO:
AURUM GEOLOGICAL CONSULTANTS
VANCOUVER, B.C. V6B 1N2
T. GARAGAN

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8264123	713.0	2.97
8264124	1020.0	2.17
8264125	99.0	2.6
8264126	36.0	2.53
8264127	39.0	3.3
8264128	14.0	1.17
8264129	87.0	1.73
8264130	103.0	2.24
8264131	45.0	0.9
8264132	41.0	1.14
8264133	39.0	1.5
8264134	36.0	1.79
8264135	5.0	1.03
8264136	3.0	1.02
8264137	8.0	0.87
8264138	37.0	1.03
8264139	11.0	1.05
8264140	25.0	0.9
8264141	67.0	3.38
8264142	84.0	4.07
8264143	102.0	4.59
8264144	12.0	1.22
8264145	4.0	0.51
8264146	11.0	1.12

LATER

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PAGE: 2 OF 10
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	CU PPM
8264123	91.0
8264124	65.0
8264125	35.0
8264126	51.0
8264127	37.0
8264128	18.0
8264129	32.0
8264130	26.0
8264131	57.0
8264132	61.0
8264133	30.0
8264134	32.0
8264135	20.0
8264136	18.0
8264137	17.0
8264138	17.0
8264139	16.0
8264140	35.0
8264141	29.0
8264142	28.0
8264143	37.0
8264144	35.0
8264145	35.0
8264146	41.0
8264147	17.0
8264148	20.0
8264149	18.0
8264150	20.0
8264151	19.0

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COPY: 3 OF 4
C O P Y
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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8216051	3.0	0.33
8216052	2.0	0.13
8216053	2.0	0.12
8216054	2.0	0.3
8216055	3.0	0.48
8216056	<2.0	0.3
8212024	322.0	15.0
8212025	29.0	0.23
8212027	31.0	1.0
8216057	3.0	0.4
8216058	5.0	1.1
8216059	3.0	0.17
8216060	2.0	0.39
8216061	3.0	0.24
8216062	3.0	0.56
8226065	170.0	8.4
8216101	43.0	2.4
8216102	23.0	4.0
8212022	103.0	0.76
8212023	76.0	1.15
8224067	27.0	0.58
8224068	160.0	>20.0
8224069	7800.0	5.4
8224070	86.0	1.25
8224071	280.0	17.5
8224072	10000.0	5.2
8224073	205.0	16.0
8224074	27.0	0.16
8224075	200.0	3.6
8224076	172.0	6.0

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8224077	111.0	5.0
8224100	11.0	0.22
8224101	6.0	0.4
8224102	72.0	0.68
8224103	8.0	0.02
8224104	4.0	0.1
8212026	100.0	3.4
8212067	MS	MS
8222049	5.0	0.02
8222050	7.0	0.02
8222051	3.0	0.26
8222052	3.0	0.05
8222053	42.0	0.68
8222054	6.0	0.4
8222055	164.0	1.5
8222056	7.0	0.19
8222057	2.0	0.33
8222058	27.0	0.37
8222059	222.0	0.41
8222060	5.0	6.3
8222061	131.0	3.85
8222062	2000.0	>20.0
8222063	164.0	10.0
8222064	320.0	5.4
8226067	4.0	0.38
8226068	4.0	0.06
8226069	5.0	0.83
8226070	4.0	1.2
8226071	3.0	0.4
8226072	3.0	0.53

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COPY: 3 OF 4
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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8226073	2.0	0.68
8226074	4.0	1.9
8226075	120.0	0.53
8226076	158.0	1.4
8226077	7.0	0.39
8226078	350.0	15.0
8226079	5.0	0.55
8226080	60.0	3.0
8226081	41.0	3.6
8226082	48.0	0.55
8226083	5.0	0.21
8226084	7.0	0.66
8226085	37.0	4.85
8226086	36.0	0.37
8226087	5.0	1.77
8226088	62.0	0.78
8216063	2.0	0.4
8216064	2.0	0.96
8216065	2.0	0.53
8216066	2.0	0.75
8216067	2.0	0.6
8216068	80.0	0.86
8216069	3.0	0.43
8216070	5.0	0.15
8216071	<2.0	0.63
8216072	3.0	0.64
8216073	4.0	0.19
8216074	3.0	0.11
8216075	2.0	0.1
8216076	8.0	0.33

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29-AUG-88
PAGE: 6 OF 10
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8216077	3.0	0.27
8216078	MS	MS
8216079	5.0	0.67
8216080	MS	MS
8216081	5.0	1.06
8216082	2.0	0.61
8264147	6.0	0.6
8264148	75.0	1.5
8264149	30.0	1.4
8264150	34.0	1.2
8264151	6.0	0.85
8226089	140.0	1.3
8226090	1600.0	3.2
8226091	57.0	1.15
8226092	92.0	1.57
8226093	4.0	2.6
8226094	41.0	0.96
8226095	3.0	0.5
8226096	13.0	0.7
8226097	39.0	1.03
8226098	403.0	4.8
8226099	43.0	7.0
8226109	2.0	0.46
8226110	2.0	1.38
8226111	2.0	1.63
8226112	<2.0	1.5
8226113	1060.0	14.0
8226114	2.0	1.0
8226115	2.0	1.85
8226116	2.0	0.65

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29-AUG-88
PAGE: 8 OF 10
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	CU PPM
8224067	14.0
8224068	4.7%
8224069	95.0
8224070	163.0
8224071	26.0
8224072	59.0
8224073	12.0
8224074	18.0
8224075	9.0
8224076	24.0
8224077	31.0
8224100	19.0
8224101	8.0
8224102	7.0
8224103	10.0
8224104	16.0
8212026	7.0
8212067	MS

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

29-AUG-88
PAGE: 10 OF 10
COPY: 3 OF 4
C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

AURUM CONSULTANTS LTD.
P.O. BOX 5179,
HANGAR B
WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5265D-88
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ASSAY FIRE ASSAY AU OZ/TON	ASSAY FIRE ASSAY AG OZ/TON
8224068	NA	9.37
8224069	0.2	NA
8224072 LATER	0.25	NA
8222062	NA	1.05
8226120 CCU	NA	0.59
8226122	NA	0.64

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

ORIGINAL TO:
AURUM GEOLOGICAL CONSULTANTS
VANCOUVER, B.C. V6B 1N2
T. GARAGAN

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE; TR=TRACE; ND=NOT DETECTED; IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTD LATER Claims Area: Rhyolite Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
821-5001	46m south of LATER Anomaly Ck junction on west side.	Lt. grey rhyolite,weather rusty red/br with yellow staining		12 by 8 by 6 cm	226	3.74		
821-5002 A & B	L4+00S/5+25E	Qtz vein,hackly texture,fine grained, light-medium grey with black chert/ qtzite frag containing pyrite.	040/24N	5 to 7 cm	A. 27 B. too small for assay	0.71		
821-5003	approx 39m south of LATER Anomaly Ck junction/east side of ck.	Lt medium grey rhyolite,rusty weather with pyrite grains up to 1%.			341	1.74		
822-5050	70m north of Anomaly/Later Ck junction	Rusty iron stained srhyolite,slightly calcareous with 1-2% pyrite.			16	0.39		
822-5051	L3+50S/4+00E on east side of Ck	Silicified iron stained breccia with angular fragments with pyrrhotite.			92	1.91		
822-5052	L4+25S/5+00E	Medium grey quartzite with associated pyrite,iron staining & bright yellow staining.			123	4.53		
822-5053	L4+00S/5+50E	Medium grey pyritic quartzite,rusty weathering from trench.			269	1.84		
822-4019	Junction of LATER-Anomaly Ck on N. side of Ck.	Sample of marble/brecciated limestone with bladed calcite.		float 10 to 15cm	12	0.02		
822-4050	Anomaly Ck approx. 20m from LATER/ Anomaly junction L3+75S/4+87E	Brecciated quartz with vuggy texture, vugs 1-4cm in size with 1-3mm quartz crystals. Narrow 1-4mm bands of blk fine grained mineral(nonmetallic,nonmagnetic) with quartz.		float 50cm	104	6	14	2
822-4051	Anomaly Ck L3+75S/4+87E	Altered limestone/marble,minor silicification,light green mineral(epidote?)in limestone,no sulphides. Epidote? occurs in 1-4cm pods or bands.		float 75cm	3	0.13	320	12

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTD LATER Claims Area: Lithic Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-4011	L0+55S/2+30E	Light cream with Fe stained brecciated quartz with bladed calcite,hackly texture. Breccia clasts 5-10cm,vuggy texture.			15	1.12		
822-4012	L0+25S/1+75E	Talus of cream to buff coloured,brecciated fragmental with abund. calcite in matrix & as blades. 50% silica,frags of quartz,grey-blk lithic frags with light green,soft mineral in matrix. Breccia is matrix supported.			9	0.59		
822-4040	L0+30S/2+15E	Light cream to buff brecciated limestone of silicified limestone & marble with grey-blk subangular frags up to 2-3cm in size. 80% silica.		float 20-30cm	10	0.46		
822-4041	L0+23S/2+07E	Light cream to buff conglomerate or fracture zone with subrounded to subangular clasts up to 2-5cm of blk silicfied volcanic, intrusive clasts & quartz frags. Matrix has minor clacite.		float 10-15cm	3	32.57		
822-4042	L0+20S/2+05E	Buff coloured brecciated/conglomerate within the metaseds with assorted clasts of marble,schist,intrusive frags & calcite in parts of the matrix. Clasts up to 2-4cm.		float 10-15cm	<2	63.77		
822-4043	L0+75N/2+00E taken near KA-C49R(640ppb Au)	Yellow-orange,bleached & altered rhy dyke with yellow stained vugs 1-3mm with fine grained pyrite <1%. Sample taken on rusty portion of hill just below contact/unconformity of R_2T1.		float 5-10cm	31	0.76		
822-4044	L0+80N/2+00E	Rusty weathered light grey rhy with fine grained disseminated sulphides(py) <1%.		float 5-10cm	11	0.59		
822-4045	L1+00N/1+75E	Rusty weatherd rhy lapilli tuff,dk grey, very siliceous with fine grained pyrite blebs <1%.		float 5-10cm	3	0.3		
822-4046	L0+25S/2+10E	Brecciated marble/limestone with frags of intrusive & lithic grains 2-4cm		float 15-20cm	2	>20 0.97opt		

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
		caught up in fracture/breccia zone with calcite matrix. Hackly texture & minor vugs 1-3cm in size where calcite frags have weathered.						
822-4047	L0+35S/1+90E	Hackly brecciated limestone/marble with small 1-2cm,lithic frags included in the rock. Rock has hackly & vuggy texture with calcite in 1-3mm crystals growing in vugs.		float 10-15cm	3	>20 0.79opt		
822-4053	L1+15N/2+12E	Rusty weathered altered rhy tuff with fine disseminated pyrite <1%, below large 4m rhy lapilli tuff boulder.		float 10-15cm	2	<0.02		
822-4054	L1+15N/2+13E	Rusty weathered light grey,very siliceous rhy with fine disseminated pyrite & coarse grains 1-4mm,pyrite <1%.		float 10-15cm	2	0.06		
822-4055	0+25S/2+25E	Cream to buff lithic tuff/volcanic breccia with quartz carbonate in matrix.Mottled texture exhibiting blk volcanic,lt grey intrusive frags & grey pieces of marble. Frags subangular from 0.5 to 3.0cm.			2	0.31		
822-4056	L0+70N/1+90E	Orange rusty weathered rhy dyke,light grey on fresh surface with fine disseminated pyrite grains <1%,light yellow staining on sample,possibly where sulphides weathered out.		float 5-10cm	9	0.38		
822-5016	L0+22N/2+13E Trench #3	Altered rhy dyke with disseminated sulphides (pyrite) up to 1-2%.			55	0.79		
822-5017	L0+22N/2+13E Trench #3	Altered rhy dyke with disseminated sulphides (pyrite) up to 1-2%.			27	0.5		
822-5018	L0+22N/2+13E Trench #3	Altered rhy dyke with disseminated sulphides (pyrite) up to 1-2%.			8	1.04		
822-5019	0+22N/2+15E Trench #3	Brecciated,silicified limestone/marble. Vuggy with subangular lithic frags up to 1-2cm.			3	0.21		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Lithic Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-5020	0+22N/2+15E Trench #3	Brecciated,silicified limestone/marble vuggy with subangular lithic frags, up to 1-2cm.			2	0.28		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-6000	L1+25S/6+15E	White/grey, vuggy quartz with moderate rusty/limonite alteration along vugs & fractures.		float 20cm	8	3.8	4	<1
822-6001	L2+35S/5+95E	White/grey quartz vein breccia,5% limonite alteration along fractures & vugs,1% vugs,siliceous,vague outlines of grey,metased. frags (?) (1%).		float 20cm	122	2.1		
822-6002	L2+35S/6+00E	white grey quartz vein breccia,2% limonitic alteration;minor siliceous beige -grey,subangular frags (?),few vugs with limonite & drusy (.5mm) quartz.		float 0.5m	107	1.38		
822-6003	L2+30S/5+90E near 822-4029	White-grey quartz vein with limonite & yellow-green clay alteration along fractures & vugs linings, 10% vugs.		float 30cm	60	2.14		
822-6004	L2+48S/5+32E	White grey quartz vein ± breccia; minor limonitic alteration along fractures & vugs with euhedral 1-2mm quartz crystals ± few dk grey bands (siliceous seds ?).		float 30cm	31	1.01		
822-6006	L1+99S/6+60E on strike & upslope of qtz.vein o/c	Grey white quartz vein breccia, 5% vugs & alot of limonite seams & within vugs, rare beige/grey vague frag (?) outlines.		float 20cm	8	1.45		
822-6007	L1+99S/6+62E	White quartz vein with minor yellow green (sauseritization) & limonitic alteration thru-out fractures ± brecciation, <1% vugs.		float 35cm	102	1.72		
822-6008	L1+99S/6+70E	White grey weathering with 3-5% subangular,biege siliceous (2-4mm) frags(?); 2% (2-5mm) vugs with limonitic alteration & clear drussy quartz; rusty/limonitic along fractures.		float 0.5m	202	1.28		
22-6041	L2+55S/6+50E same float as 822-4026	Gradational rusty alteration white/grey qtaurtz vein breccia to gossanous,very fine grained siliceous rx with 1% finely disseminated pyrite.White grey quartz with beige/br elliptical silic frags & 1-2%		float 50 by 25cm	9	0.53		

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
		yellowy limonitic & quartz vugs & fracture fillings.						
822-6042	L2+20S/6+51E	Rusty orange,gossanous surface & thru out rusty/br very siliceous rx;grey quartz with <1% finely disseminated pyrite & rusty red/br spots.		float 8 by 10cm	50	11.2		
822-6043	L1+95S/6+48E upslope from 822-4020	Rusty weathering quartz breccia with 40% beige/rusty br,very siliceous (+ 1% quartz eyes) rhy? frags in a white fine grained quartz matrix; 3% orange/yellow chalky alteration along fractures & vugs.		float 0.5 by 1m	13	0.96		
822-6044	L1+90S/6+45E	Rusty weathering,br siliceous sub-angular frags(70% possibly silic rhy) in a fine grained white sugary quartz matrix.		float 12 by 6cm	39	1.63		
822-6045	L1+94S/6+44E	Rusty/orange weathering;very fine sugary orange/gr-br (rhy??)with 5i% dk grey (1mm) clots;limonitic alteration;white quartz surrounding br frags in part of rx.		float 36 by 36cm	15	0.96		
82206046	L1+94S/6+43E	Rusty br weathering;aphantic & very siliceous;(orangy) gr/br on fresh surface-silic rhy??<1% orange-yellow limonitic alteration in vugs & along fracture seams;<5% white quartz with breccia frags.		float 0.5 by 1m	361	1.45		
822-6047	L1+88S/6+25E	White/grey weathering,sugary quartz (50%) surrounding 1-2cm fracrured (irregularly shaped) dk/medium grey metased? (50%); also frags of rx (2-4mm) surounded by light gr sausseritic material between quartz & frags;minor Mn staining & fine carbonate along fracture surfaces.		float 50 by 75cm	3	0.71		
822-6048	L2+03S/6+56E	Orangy/grey weathering,grey/beige aphanitic & ve4ry siliceous rx with limonitic alteration & Mn staining thru-out; 5% of rx as lightly altered pods with broken rx; 3% vugs.		float 8 by 12cm	8	1.88		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-6049	L2+40S/6+55E	Beige-white weathering,grey to beige/br colour variation on fresh;very siliceous very fine sugary texture-quartz vein or silicified quartzite?;<1% chalky yellow orange alteration along fractures.		float 18 by 12cm	2	0.26		
822-6050	L2+35S/6+56E similar to 822-6049	Weathers light grey/beige;grey/br on fresh;very fine grained-aphanitic & very siliceous;grey quartz outlines slight breccia of br siliceous rx.		float 24 by 28cm	64	8.4		
822-6051	L2+34S/6+56E	Grey to rusty br,fine sugary quartz with minor breccia;2% vugs +/- yellow limonitic alteration,1% (0.5MM)rusty specks (pyrite??),3-5% beige siliceous frags.		float 10 by 15cm	297	19		
822-6052	L2+34S/6+58E	Light grey to rusty br weathering;aphanitic & very siliceous grey to orangey br; 2% yellow orange chalky alteration along fractures & as < 1mm clots.		float 12 by 16cm	3	1.4		
821-6010	L2+19S/6+50E near 822-6003	From quartz vein breccia o/c;rusty orange br/grey;very fine grained sugary siliceous rx with <1% 0.5mm rusted out pyrite? orange/yellow chalky alteration along fracture surfaces.		outcrop 10 to 15m	230	1.16		
821-6011	L2+01S/6+52E	West end of quartz breccia o/c;rusty weathering;blue/grey to orangey br on fresh;aphanitic & very siliceous;1% orange/yellow chalky alteration in vugs.		outcrop 10 to 15m	230	6.6		
821-6012	L2+10S/6+54E	Dug into dirt to uncover grey/white to rusty/br;fine to very fine grained sugary quartz;yellow/orange chalky alteration along fractures & outlining brecciated quartz;locally minor staining & alteration & other with rusty staining & clots (1%).		outcrop 10 to 15m	38	1		
821-6013	L2+15S/6+54E	Dk rusty br stained to beige weathering altered porphyritic rhy (dacite);greenish white to rusty orange mottled surface; 10% feldspar phenocrysts;2% altered mafic mineral?;2% (2-3mm) quartz eyes.		subcrop 1 by 1m	4	0.52		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
821-6014	L2+16S/6+50E	SW edge of quartz breccia o/c;rusty br altered edge of white/grey quartz o/c; 10% fine grained;sugary white quartz with 90% orange/br +/- brecciated siliceous zone;5% yellow/orange limonitic alteration along fractures & outlining breccia; < 1% dk rusty br specks.		outcrop 10 to 15m	231	1.6		
822-6053	L2+26S/6+50E	SW end of o/c, orange-br weathering; very siliceous & aphanitic grey/green br on fresh surface with <1% dk grey spots (< 1mm).		float 20 by 30cm	3	1.11		
822-6054	L2+05S/6+60E	Light grey/rusty weathering; very fine grey/br quartz;white quartz & yelloe/ orange limonitic alteration outlining fractures & locally breciating rock; 2% white/beige frags; Mn staining (1%).		float 10 by 12cm	41	1.22		
822-6055	L2+00S/6+62E	Dk rusty br weathering; very fine sugary siliceous rock with gradational colourations from white/beige to green/br; 1-2% 1mm vugs with rusty limonitic aleration & along fractures.		float 8 by 15cm	1180	5.15		
822-6056	L1+95S/6+76E	Grey to rusty br weathering, very fine grained & siliceous; on fresh surface, grey to beige rusty brown with <1% dk grey 1mm spots; 2-3mm quartz veins, <1% rusted out sulphides (?).		float 36 by 24cm	33	0.87		
822-6057	L1+80S/6+80E	Grey rusty/br weathering, very fine grained siliceous rock with rusty spots & along fractures;fractured & silicified.		float 10 by 15cm	6	0.3		
822-6076	L1+55S/7+15E	Beige/br siliceous, white & sugary as quartz vein breccia o/c; massive with colour gradation from white to rusty br.		several float 3 by 4cm	159	1.4		
822-6077	L1+52S/7+17E	Grey to rusty/br; very fine sugary quartz +/- silicified rhy(?), massive grey quartz with 1/2 altered rusty br 2% rusty alteration along fractures.		float 13 by 8cm	7	0.39		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-6078	L1+58S/7+06E	Rusty br-grey weathering altered quzite or quartz vein breccia, yellow/br to grey on fresh; fine sugary to granular quartz with 3-5% limonitic + Mn staining thru-out, approx 1% cockcade quartz veins (2-3mm wide); slickensides on 1 surface.		float 7 by 15cm	350	15		
822-6079	L1+15S/7+15E	Rusty br to grey quartz; very fine, sugary with 3% rusty staining on fractures & as < 0.5mm specks.		float 6 by 12cm	5	0.55		
822-6080	L1+05S/7+20E	Br to grey; very fine sugary quartz/ silicified rhy; gradational from grey to rusty br quartz; rusty alteration along fractures;1% 1mm rusted out pyrite(?) cubes.		float 15 by 25cm	60	3		
822-6081	approx.L0+90S/ 7+60E, on strike with qtz vein bx o/c	Weathers white/grey to orangey br; very fine sugary grey quartz grading into very siliceous (aphanitic) orangey br rock (silicified rhy? +/- quartz phenocrysts);limonitic alteration along fractures.		1 to 1.25m boulder or subcrop	41	3.6		
822-6082	approx L0+90S/ 7+60E	From sample boulder as 8226081 but sampled the whiter/grey quartz with minor limonitic alteration.		1 to 1.25m boulder or subcrop	48	0.55		
822-6083	approx.L0+85S/ 7+65E	Light grey,aphanitic to sugary quartz/ silicified rock with 5% rusty br staining on surface & along fractures;a few br areas with rusty specks,but generally massive & silicieous.		float 20 by 24cm	5	0.21		
822-6084	approx.L0+85S/ 7+66E	Orangey br,aphanitic,very siliceous rock (silicified rhy?,rare quartz phenocrysts), <1% (0.5mm) rusty specks - pyrite?		float 24 by 36cm	7	0.66		
822-6085	approx.L0+85S/ 7+66E	Grey to orangey br weathering,very fine sugary quartz with sections of aphanitic silicified rhy?; rare 1-2mm wide white quartz veins; 1% Mn staining.		float 1 by 0.5m	37	4.85		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
822-6086	approx.L0+82S/ 7+68E	1/4 of float is white/beige grey very fine sugary quartz grading into orange-br aphanitic, very siliceous rock(silicified rhy? with chalky rusty weathering along fractures,1% rusty clots of pyrite? 1% veinlets of quartz.		float 24 by 48cm	36	0.37		
822-6087	L0+80S/7+73E	Aphanitic,very hard siliceous rock that grades in & out of grey and rusty br colourations;<1% rusty specks & limonitic alteration along fractures		float 0.5 by 0.5m	5	1.77		
822-6088	L0+78S/7+72E	White grey quartz with rusty orange weathering; very fine grained sugary quartz; approx 2% vague outlines of silicified fragments;very minor 2-3mm quartz veins.		1 by 1.5m boulder or subcrop	62	0.78		
821-6002	L2+75S/6+50E	Quartz vein breccia; yellowy-orange limonitic alteration on surface & thru out vugs(<0.5cm);white-rusty sugary with very rusty v/c wallrock (?) frags.		10m outcrop	180	84 *1.84		
821-6003	L2+27S/6+50E	White-grey quartz vein +/- breccia;local 0.3-0.8cm subangular beige siliceous frag? within sugary/vuggy white quartz matrix; less limonitic alteration than 821-6002.		10m outcrop	31	0.6		
821-6004	L2+05S/6+56E	Beige/white weathering,hackly-blocky surface of fine grained quartz/feldspar matrix with 5% subangular frag(1-4mm); altered rhy-lithic tuff?; very fractured with chalky yellow + limonitic alteration.		1m outcrop	7	5.32		
821-6101	L1+35S/6+65E	Dark grey fine grained metasediment; mm scale layering approx 000/60,very fractured with minor brecciation & 2% thin quartz & calcite veinlets 1-2% Mn stain.		2-3m outcrop	43	2.4		
821-6102	L1+25S/6+75E	Gossanous rusty metasediment;highly fractured & altered thru out,dk grey metagreywache;2% Mn staining;no visible veining.		3-4m outcrop	23	4		

*opt

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm
821-5004	L2+00S/6+45E	Quartz vein in outcrop,brecciated, smokey grey & massive,no sulphides observed.			1340	2.52		
821-5005 A & B	L2+05S/6+55E	Outcrop of quartz vein,smokey to light grey with sulphide wearthering,Mn staining.			A. 111 B. 43	2.62 1.26		
821-5006	L3+10S/6+53E	Outcrop of quartz vein,dk smokey to light grey with sulphide weathering,Mn staining.			120	3.24		
821-5007	L2+15S/6+50E	Light smokey grey quartz with rusty sulphide staining + Mn staining.			31	0.17		
821-5008	L2+20S/6+47E	Outcrop of quartz vein,light to smokey grey with rusty weathering.			243	1.37		
822-5009	L2+24S/6+50S	Massive vuggy,fine grained brecciated quartz vein; vugs partially filled with coxcomb quartz,one site of blue chalcedony filling a fracture,Fe staining along fractures,light grey to tan coloured.		float 50cm	39	0.87		
822-5010	L2+40S/6+28E	Extremely altered siliceous float with yellow clay alteration,Fe staining with several vugs.		float 20 by 15cm	241	7.76		
822-5011	L2+22S/6+25E	Vuggy fractured quartzite/bx,medium to smokey grey with abundant vugs,some Fe staining.		float 15 by 20cm	27	3.79		
822-5012	L2+20S/6+32E	Quartzite/brecciated quartz with 2 generations/types of quartz. One medium-smokey grey,very porous,2nd is white & very vuggy.		float 20 by 12cm	74	6.68		
822-5013	L2+35S/6+32E	Light grey quartzite/brecciated quartz with dk grey siliceous patches which contain sulphides,1% slight Fe stain.		float 30 by 20cm	396	5.72		
822-4020	L1+90S/6+40E	Light creamy coloured quartz with minor Fe staining,subrounded quartz frags,1-2 cm in size,darker grey than matrix quartz,portions of sample have 5mm vugs.		float 25cm	117	1.73		

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm	Pb ppm
822-4021	L1+80S/6+30E	Light grey limestone/marble with thin 5 mm veneer of grey/green sericite/Mn & 1cm band within marble.		float 20cm	9	1.07				
822-4022	L2+00S/6+30E	Brecciated quartz with creamy matrix & light medium grey subangular frags up to 1-2cm in size.Minor Fe staining.		float 10-15cm	92	1.94				
822-4023	L2+00S/6+25E	Sample of white to creamy,vuggy brecciated quartz with vugs up to 2cm in size. Frag angular up to 2-5cm in size.Minor Fe staining.		float 10-15cm	261	6.48				
822-4024	L2+15S/6+25E	Rusty weathered quartz with Fe staining on fresh surface,quartz is light orange br,rare vugs 5mm in size,dense looking.		float 10-15cm	8400	>20 *3.51	124	8	10	27
822-4025	L2+25S/6+00E	Rusty weathered lt grey quartz,small 1-4mm grey patches & yellow orange weathering. Sample from below rhy porphry dyke & above quartz o/c. Different type of quartz.		float 10cm	71	2.93				
822-4026	L2+25S/6+20E	Rusty weathered medium grey silica with fine grained disseminated sulphides (pyrite) <1% form 1m boulder of light grey brecciated quartz.		float 1m	3580	*3.51	3700	22	23	6
					Zn 44 ppm					
822-4027	L2+30S/6+15E	Rusty weathered quartz boulder with sugary texture,orange to rusty coloured, minor vugs 1cm with 1-5mm quartz crystals.		float 10-15cm	298	4.62				
822-4028	L2+25S/6+10E	Rusty weathered light grey quartz boulder 10-15cm,with trace pyrite.Light yellow green staining (sulphur) & very fine disseminated pyrite;up to 1%.		float 10-12cm	536	4.56	550	8	12	18
					Zn 63 ppm					
822-4029	L2+35S/5+95E	Rusty weathered grey silicified quartz boulder with light green-yellow staining (sulphyr) & very fine disseminated pyrite up to 1%.		float 10cm	574	13.88	1400	12	59	19
					Zn 44 ppm					
822-4030	L2+40S/6+00E	Rusty medium grey siliceous rx;quartz with fine grained disseminated pyrite 1%,very rusty on fresh surface.		float 10-15cm	627	249	1100	2	35	23
					Zn 52 ppm					

*opt

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Quartz Vein Breccia Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm	Pb ppm
822-4031	L2+40S/6+00E	Rusty weathered quartz with buff coloured fresh surface,minor vugs up to 1 cm in size,sugary texture 1m from #4030.		float 10-15cm	35	1.02				
822-4032	L2+40S/5+75E	Grey & rusty weathered quartz breccia with dker grey frag 1-10mm,vuggy in places.		float	179	720 *0.685				
822-4033	L2+40S/5+80E	Quartz breccia with Fe staining & subangular to subrounded medium grey cherty clasts,up to 2-3cm in size with creamy to buff coloured matrix (qtzite clasts?).		float 10-15cm	150	3.84				
822-4034	L2+10S/6+50E	Rusty weathered quartz with light green soft mineral (sericite?) in small pods, 5mm, quartz is light grey.		float .10-15cm	1540	>20 *0.836 Zn 6 ppm	86	<10	5	19
822-4035	L2+20S/6+55E	Green-grey qtzite with quartz veinlets up to 2cm wide in a stockwork.Quartz veins are vuggy with 1-3mm quartz crystals surrounding qtzite frag with several episodes of silica.		float 25-30cm	73	4.39				
821-2022	Trench behind Breccia Quartz Vein	Rusty weathering silicified rhy,k-spar altered to clays;up to 5% limonite as fracture coatings.Medium grained (<1mm) up to 7% clay on fracture surfaces & up to 3% BI altering to limonite.		outcrop 2m wide	103	0.76				
821-2024	Trench behind Breccia Quartz Vein	Fine grained,rusty weathering quartz vein material.Light grey to rusty on fresh surface.Up to 5% limonite as fracture coatings & in vugs.		outcrop 3m wide	322	15				
821-2023	Trench behind Breccia Quartz Vein	Fine grained,light grey weathering,brecciated quartz vein up to 3% clay minerals on fracture surfaces,up to 2% limonite; light grey on fresh surface with very rare wallrock frags.Minor Mn-oxide.		outcrop 3m wide	76	1.15				
821-2025	Trench behind Breccia Quartz Vein	Moderately fine(<0.5mm) grained,light rusty weathering,up to 20% silicified wallrock frags(<1-4cm) present.Frags		outcrop 3m wide	29	0.23				

*opt

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm	Pb ppm
		are generally greenish on fresh,quartz is light grey & fractures uneven on fresh surface.Limonite present as fracture coatings & vug infilling to 5%.								
821-2026	Trench behind Breccia Quartz Vein	Similar to 821-2025.Wallrock frags sauceritized to a minor extent & are light greenish on fresh surface.		outcrop 2.5m wide	100	3.4			7	
821-2027	Trench behind Breccia Quartz Vein	Rusty weathering,contains up to 25% silicified wallrock frags(1-3cm) & up to 3% drusy quartz lined vugs.Up to 7% clay minerals present as fracture coatings & as alteration products in frags. Up to 5% limonite present as fracture coatings.Quartz is generally fine grained & light grey on fresh surface.		outcrop 3m wide	31	1				
822-4057	L2+20S/6+15E	Found in float train trending NW from Quartz Vein Breccia o/c with weathered surface bright orange/rust.Fresh surface med grey.Very fine grained quartz,faint greyish mottled texture.Very pale green cream coating along microfractures. 5-10m downslope from samples 821-4026 & 4027.Rest of float train is rhy porphyry & quartz vein breccia.		float 8 by 8cm	680	8.2				
822-4052	Anomaly Creek L1+75S/6+05E	Brecciated & vuggy quartz,lt grey,minor iron staining,vugs 2cm in size.		float 50cm	3	1.41	6		<1	

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claim Area: Nodisco Zones

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	As ppm	Sb ppm	Cu ppm	Pb ppm
822-4013	L0+50N/4+045E	Breeciated limestone with sub-angular lithic frags.			17	0.98				
822-4014	L0+50S/4+40E *resample of 0.3 oz L-5C97R	Light grey pyritized & possibly asp staining of altered lapilli tuff/meta-sediment.Pyrite occurs as disseminated grains of specks 3-5%,trace,minor blk sulphides.		float 10-15cm	*0.325 Zn 10 ppm	4.62	4300	28	15	9
822-4015	above DDH-13	Rusty weathered dk green blk rhy frag-mental lapilli tuff with up to 1% pyrite.		float 10-20cm	56	0.05				
822-4016	approx 20m north of DDH-13	Calcite rich,coarse calcite grains or blades with minor vuggy quartz crystals, 1-3mm in size.Possible skarn rock.		float 10-20cm	41	0.56				
822-4017	near DDH-13	Rusty weathered rhy with <1/2% dissem-inated arsenopyrite.			8	<0.02				
822-4018	approx 30m above DDH-13	Skarn rock with abundant calcite & euhedral quartz grains, no sulphides, apple green staining,possibly arseno-pyrite.		float 10-15cm	172	8.56				
822-4037	L0+50S/4+50E	Brecciated & silicified metasediment, quartzite(?),grey-blk with stockwork of veinlets 1-6mm in size between angular frags up to 1-2cm,vuggy texture.Remnant sulpides,rusty 1-2mm spots.		float 10cm	41	3.04				
822-4038	L0+10N/4+50E	Sample of light grey brecciated quart-zite or skarn (silicified) with 1cm quartz bands (discontinuous) within a siliceous matrix with fine 1-2mm white blebs; rock is 95% silica.		float 10-15cm	2	0.02				
822-4039	L0+50S/4+43E on drill pad of DDH-13	Rusty weathered light grey siliceous, altered metasediment with fine grained pyrite up to 1%. Similar to 0.3oz sample in texture.		float 10-15cm	3800 Zn 39 ppm	218	550	<1	21	5
822-4048	L0+60S/4+54E below DDH-13 *opt	Very rusty weathered rhy lapilli tuff, dk grey silicified matrix with very fine		float 30cm	3	0.64				

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	Cu ppm
		disseminated sulphides (pyrite & arseno-pyrite?) up to 1%.					
822-4049	L0+97S/4+55E	Rusty weathered sample of green ande-site or altered metasediment with 1-3mm vugs of light green mineral,epidote on edges & fine grained sulphides up to 1%.		float 10-15cm	14	1.4	
822-4058	DDH-13 area Trench 88-1	Dk grey rhy containing small <2mm feld-spar phenocrysts with fuzzy outlines. Rust weathering quartz eyes.		float 10 by 8cm	2	0.1	6
822-4059	DDH-13 area Trench 88-1	Quartzite medium to dk orange/red rusty surface.Fresh surface is light grey & rust weathering along fractures. Sugary texture,fine grained,minor limonite.		float 5 by 4cm	5	2.32	290
822-4060	DDH-13 area Trench 88-1	Rhy or silicified rhy,dk rust-yellow weathering.Fresh surface dk grey to me-dium grey.Small (<1mm),vague feldspar phenocrysts.Similar to 822-4058.Contains abundant disseminated pyrite,vague brec-cia texture (silicification?).		float 10 by 6cm	4	0.22	8
822-4061	DDH-13 area Trench 88-1	Small oval greenish powdery rock frag, mottled green texture on fresh surface. Small (<1mm) rounded blk-br tarnished blebs disseminated thru out.		float 4 by 3cm	3	>20 *2.6opt	1.74%
822-4062	DDH-13 area Trench 88-3	Andesite br-buff weathering,medium green grey on fresh surface,fine grained,little to no quartz,small(1mm) feldspar phenos, propylitic alteration-minor chlorite,ep-idote,very fine grained disseminated pyrite thru out.		float 10 by 4cm	2	0.56	10
822-4063	DDH-13 area Trench 88-3	Brecciated & silicified metasediment, light to medium yellow/orange/red on weathered surface.Breccia frag on fresh surface are angular,dk grey, very fine grained.Breccia frags are silicified. Comb texture quartz with vugs filled with limonite.		float 8 by 8cm	300	18.8	26
	*opt						

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Nodisco Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	Cu ppm
B22-4064	DDH-13 area Trench 88-3	Distinctive white-yellow weathering. Fresh surface is light grey with vague streaks.Light grey quartz injected with 2nd quartz.White powdery argillic alteration?? Noncalcareous.		float 8 by 8cm	350	9	7
B22-4065	DDH-13 area Trench 88-3	Carbonaceous sedimentary rx,blk dk rust yellow weathering,blk to dk grey soft fresh surface-randomly oriented faint laminations. X-cutting quartz veinlets.		float 9 by 6cm	49	5.6	9
B22-4066	DDH-13 area Trench 88-3	Large boulder found in the bottom of west end of Tr#3.Bright yellow-orange-rust weathering;fresh surface is light grey to blk.Graphitic blk rx frags in silica flooded rx;minor white powdery clay alteration.Small drusy quartz cavities with limonite common.Limonite boxworks on weathered surface.Andesite float under boulder.		float 50 by 20 by 20 cm	126	7.8	15
B22-4067	DDH-13 area Trench 88-3	Marble-grey,weathering medium grey on fresh surface,homogeneous texture with fine grained carbonate xstals,x-cutting quartz veinlets,small blebs of pyrite & pyrrhohtite (<1mm) disseminated thru out rx.		float 6 by 4cm	27	0.58	14
B22-4068	DDH-13 area Trench 88-3	Rounded shaped br/buff weathering rx frag from B horizon in Tr#3.Fresh surface shows 60% malachite(massive),30% blk tarnished pyrite?10% epidote & minor azurite(botryoidal)Minor small patches medium grey very fine grained siliceous rx.		float 5 by 2cm	160	>20 *9.37opt	4.7%
B22-4069	DDH-13 area Trench 88-3	Light rust,yellow,greenish mottled weathered.Fresh surface is medium-light grey fine grained granular texture,siliceous,1% very fine grained disseminated pyrite.Distinct rust/br weathering rim approx 1cm wide.Metased may be silica flooded marble. Resembles 0.3opt Au sample (8224014).		float 10 by 3cm	*0.2	5.4	95

*opt

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Nodisco Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	Cu ppm
822-4070	DDH-13 area Trench 88-3	Marble-medium grey weathering,rough weathered surface with narrow resistant ridges-rusty (?pyrite).Frash surface is medium grey,fine grain (<1mm),carbonate. Streaks of pyrite/pyrrhotite (1cm long) are discontinuous 1% total sulphide content.		float 10 by 3cm	86	1.25	163
822-4071	DDH-13 area Trench 88-3	Large boulder-gossanous weathering silica flooded graphitic metased with abund limonite spots & vugs.		float 40 by 30cm	280	17.5	26
822-4072	DDH-13 area Trench 88-3	Characteristic yellow/orange/green/white, mottled weathering assoc. with high grade Au samples.Fresh surface light grey/brown/ rust/yellow;noncalcareous;sugary granular texture,very fine grained,secondary quartz in lt grey parts of rx;1% disseminated fine grained pyrite,abundant limonite vugs, intensely weathered.		float 14 by 10cm	10,000 *0.25 opt	5.2	59
822-4073	DDH-13 area Trench 88-3	Orange-yellow-red weathered surface. Fresh surface very mottled-light grey quartz,very fine grained,almost complete silica flooding.Abundant limonite patches vugs;suspect very fine grained disseminated pyrite.Rx originally a metased?? Trace clay alteration.		float 15 by 10cm	205	16	12
822-4074	DDH-13 area Trench 88-2	Light rust/yellow/white weathering,light medium grey fresh.Marble is medium grain with crystals 1mm;1% disseminated pyrrhotite & as small blebs (<0.5cm).		float 10 by 7cm	27	0.16	18
822-4075	DDH-13 area Trench 88-3	Yellow/orange/green weathering some grey; fresh surface shows a foliated graphitic schist.Graphitic layers randomly brecciated by 2nd white grey granular quartz. 10% limonite.		float 30 by 15cm	200	3.6	9
822-4076	DDH-13 area Trench 88-3	Orange/rust/yellow weathering,light grey aphanitic siliceous rx with abundant limonite,trace sericite.		float 7 by 5cm	172	6	24

*opt

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	Cu ppm
822-4077	DDH-13 area Trench 88-3	Rust/orange/yellow weathering,feldspar porphyry rhy.Medium grey fresh surface. Feldspars altered to sericite.Suspect very fine grained pyrite.		float 9 by 6cm	111	5	31
822-2013	0+50S/4+50E near DDH#13	Yellowish br weathering,siliceous rx. Greyish br on fresh surface,minor limonite.Quartz grains <1mm & generally anhedral.Limonite gives rx vuggy texture, up to 3% vugs(<2mm in diameter);1% pyrite as disseminated, subhedral-euhedral grains. Pyrite is <1mm along longest dimension.		float 8cm	2	0.24	
822-2014	0+50S/4+50E near DDH#13	Greyish weathering barren quartz.Greyish white on fresh surface & ± pseudomorphs calcite;occurring as blades up to 1.5cm. Individual grains are generally aphanitic & up to 2% of rx is vug(up to 2mm).A minor degree of iron staining on weather surface.		float 20 cm	2	<0.02	
822-2015	0+50S/4+40E near DDH#13	Light rusty br weathering siliceous rx, dk grey on fresh surface.Quartz occurs as anhedral grains up to 1mm & rarely as veins up to 0.5mm.Weathered surface is extensively limonitized & vuggy texture Pyrite occurs as euhedral grains up to 0.5mm or rarely as irregular blebs up to 1mm.Pyrite occurs up to 3%.		float 10cm	3100	1.86	
822-2016	10m NE of 0+50S/4+50E near DDH#13	Light rusty br weathering siliceous rx dk grey on fresh surface.Quartz occurs as anhedral grains up to 1mm & rarely as veins up to 0.5mm (random orientation) Weathered surface is extensively limonitized & contains up to 5% vugs;<1mm to 3mm in size.Pyrite occurs as irregular blebs up to 3mm along randomly orientated fractures & make up to 5% of total rx mass.		float 8cm	32	0.6	
822-2061	Trench 88-3	Intensely silicified,graphitic marble. Dk grey on fresh surface,weathers br/red;contains quartz veins up to 10% of rx & up to 0.7cm wide. Quartz is massive.		float 15 by 10cm	131	3.85	

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm	Cu ppm
		Limonite up to 10% occurs as fracture coatings & up to 30% graphite as bands & disseminations.					
822-2062	Trench 88-3	Light br weathering,silicified marble. Light grey on fresh surface;limonite up to 4% on fracture surfaces.No original texture;fracture is uneven.Quartz is fine grained & up to 3% disseminated graphite is present.		float 10cm	2000	>20 *1.05opt	
822-2063	Trench 88-3	Br/red weathering silicified marble with up to 8% limonite as fracture coating & blebs.Grey to red/br on fresh surface with quartz moderately fine grained (0.3 to 1mm) & anhedral.No original textures present.Silica flooding includes 10% quartz veins 0.3 to 0.7cm wide.Very minor graphite present.		float 10cm	164	10	
822-2064	Trench 88-3	Up to 5% limonite present in a light br weathering silicified marble.Up to 5% vugs containing limonite ± drusy quartz. Limonite occurs as fracture coatings.Quartz fine grained & lt grey to br/grey on fresh surface.Minor Mn staining,very minor disseninated graphite present.			320	5.4	
822-2065 came back from lab as 822-6065	Trench 88-3	Grey/blk weathering,graphitic,silicified marble.Up to 30% graphite as disseminations & fracture coatings - schistose texture.Silica flooding with visible quartz(rarely drusy or cockade) up to 40% of rx.Veins are up to 0.5cm wide.Vugs form 3% if rx & generally contain limonite ± quartz.Limonite forms 5% of rx.		float 20 by 15cm	170	8.4	
822-6009	L0+51S/4+50E near DDH#13 *opt	Rusty weathering,brecciated,vuggy metased;very fine grained,dk grey laminated argillic angular frags(70%) within 1-2mm bands of quartz(drusy) & 2-5% vugs;distinct with dk frags & white anastomosing quartz veins.		float 20cm	550	9.2	

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: PTO LATER Claims Area: Nodisco Zone

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6010	L0+50S/4+63E near DDH#13	Rusty br weathering,fine grained,granular & blue grey/white on fresh with 1% < 1mm disseminated flecks of pyrite & dk grey metallic mineral (similar to 822-4014).		float 10-15cm	4700	5.2
822-6011	L0+60S/4+30E near DDH#13	Rusty grey/white;weak quartz rich & argillic layers(1-3mm scale);locally very rusty & minor epidote ± brecciated.Locally fine grain pyrite up to 2% & a 2mm band // to quartz rich layers,rare vugs with quartz.		float 20cm	221	4.4
822-5014	L0+68S/4+35E	Light grey quartzite with yellowish-green staining along fractures.		float 10 to 12cm	2	1.42
822-5015	L0+20N/4+25E	Light grey limestone or skarn rx with light green mineral (epidote) with radiating grains.No visible sulphides.			<2	0.02

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: Drill Core Samples Area: PTO LATER Claims Page 1 of 1

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
823-4100	DDH #13 10.5' Box 1	Grey/blk quartzite & minor graphite. Limonite 10-20%.Minor chlorite.		5cm	11	0.22
823-4101	DDH #13 61.7-62.3' Box 8	Altered feldspar porphyry rhy & 2% disseminated pyrite.Medium grey siliceous groundmass.		0.6m	6	0.4
823-4102	DDH #13 62.8-63.1' Box 8	Oxidized rusty rhy porphyry & 2% pyrite minor sericite.Returned highest intersection (70ppb Au) from.		0.3m	72	0.68
823-4103	DDH #13 78.5'Box 10	Bleached rhy porphyry & 1-2% pyrite, limonite vein selvages.			8	0.02
823-4104	DDH #13 25.3' Box 3	White crystalline marble & 30% limonite. Nonmagnetic			4	0.1

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July, 1988 Project: _____ Area: PTO LATER Claims Page 1 of 1

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
821-6000	L1+10S/5+35E Slope below Nodisco Zone	Fine grained,dk grey,weakly layered & brecciated metased;quartz microfractures & rusty alteration & minor epidote surrounding angular (0.3-1cm),metased breccia.		outcrop 10m	14	10
821-6001	L0+10N/6+95E Marble Outcrop	Fine grained grey weathering carbonate breccia with buff & dk grey u/c & metased angular frags (0.5-5cm);carbonate matrix; epidote along fractures +/- 0.5cm clots; siliceous/carbonate vuggy matrix surrounding frags.		outcrop 5m	2	*0.9opt
821-6005	L0+10N/6+95E	Carbonate breccia;less vuggy than 821-6001 but same frag types;rusty along fractures.		float 30cm	7	0.5
822-4010	L1+00S/6+75E Below Skarn Zone	Vuggy,silicified & brecciated marble,80% silica with light green Mn soating.		10-15cm	31	*2.16opt

APPENDIX B
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, THOMAS GARAGAN, hereby certify that:

1. I am a geologist with Aurum Geological Consultants Inc. of 604 675 West Hastings Street, Vancouver, B.C. and I co-authored this report.

2. I obtained a Bachelor of Science degree with Honours in Geology from the University of Ottawa, Ontario, in 1980.

3. I am a Fellow of the Geological Association of Canada (F3819) and a member of the Mineralogical Association of Canada and the Yukon Professional Geoscientists Society.

4. I have been engaged in mineral exploration and geological survey mapping on a full and part time basis for 11 years, of which 8 have been spent on mineral exploration programs in the Yukon Territory.

5. I have no interest in the claims or securities of Pacific Trans-Ocean Resources Ltd.. However, my spouse owns 2000 shares of Pacific Trans-Ocean Resources Ltd.

6. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

DATED at Calgary, Alta., this 14th day of December 1988.

Thomas Garagan, B.Sc., FGAC

STATEMENT OF QUALIFICATIONS

I, LORI A. WALTON with business address:

Aurum Geological Consultants Inc.
604 675 West Hastings Street
Vancouver, B.C.

do hereby certify that:

1. I am a practicing geologist.

2. I hold a Bachelor of Science (Specialization) Degree (1982) from the University of Alberta.

3. I hold a Master of Science Degree (1987) from the University of Alberta.

4. I am a member of the Yukon Professional geoscientists Society.

5. I have been working in the field of mineral exploration since May of 1980.

6. I have no interest in the claims nor so I expect to obtain any.

7. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

DATED at Whitehorse, Yukon, this 7th day of December 1988.

Lori Walton

Lori A. Walton, M.Sc.

CERTIFICATE OF QUALIFICATION

I, **Roman Tykajlo,** of the City of Edmonton, Province of Alberta, do hereby certify that:

1. I am a geophysicist residing at 10442 - 12th Avenue, Edmonton, Alberta.

2. I am a graduate of Lakehead University, with a B.Sc. Degree with Honours in Geology/Physics (1978).

3. I am a member of:
   (SEG) Society of Exploration Geophysicists
   (CSEG) Canadian Society of Exploration Geophysicists
   (APEGGA) Association of Professional Engineers, Geologists and Geophysicists of Alberta

4. I have been practising my profession for 10 years.

5. I am an employee of **Pacific Trans-Ocean Resources Ltd.**

6. I caused to be performed, the geophysical work described herein.

8. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

Dated at Edmonton, Alberta this 1st day of December, 1988.

APPENDIX C
STATEMENT OF COSTS

STATEMENT OF COSTS

1. Labour:

Hand trenching and trench sampling done by Aurum personnel between August 8 and August 17, 1988.

L. Walton (8 mandays @ $240/day)	$	1,920.00
C. Hood (2 manday @ $160/day)		320.00
R. Young (3 mandays @ $160/day)		480.00
M. Schaffler (8 mandays @ %120/day)		960.00
Total Labour Costs	$	3,680.00

2. Geochemistry:

Barringer-Magenta Lab

Twenty-seven soil samples for Au, Ag, Cu analysis @ $11.00 each	$	297.00
Twenty-seven rock samples for Au, Ag, Cu analysis @ $14.75 each	$	398.25
Total Geochemical costs	$	695.25

3. Helicopter:

Used a Heli-dyamics Jet Ranger 206 on contract to Aurum Geological Consultants Inc.

0.7 hrs @ $500/hr	$	2,800.00
5.6 hrs fuel @ $0.60 Lt @ 114 lt/hr		383.04
5.6 hrs oil @ $2.60/hr		14.56
Total Helicopter Costs	$	3,197.60

4. Camp Costs:

Billed to Pacific Trans-Ocean Resources Ltd by Aurum Geological Consultants Inc.

21 mandays @ $60/manday	$	1,260.00

Total Assessment Costs	**$**	**8,832.85**
Total Assessment Costs Filed	**$**	**3,500.00**