MAP NO.	**ASSESSMENT REPORT**	X	**DOCUMENT NO.:**	092084
	PROSPECTUS		**MINING DISTRICT:**	WHITEHORSE
	CONFIDENTIAL	X	**TYPE OF WORK:**	Trenching
105 D 3, 4	**OPEN FILE**			

REPORT FILED UNDER: Pacific Trans-Ocean Resources Ltd.

DATE PERFORMED: July 1 -October 9, 1987 **DATE FILED:** January 26, 1988

LOCATION: **LAT.:** 60°11' **AREA:** Wheaton River

LONG.: 135°30' **VALUE $:**

CLAIM NAME & NO.: EARL 1-32 YA77893-YA77924

WORK DONE BY: T. Garagan

WORK DONE FOR: Pacific Trans-Ocean Resources Ltd.

DATE TO GOOD STANDING	REMARKS: #229 EARL

TRENCHING and EXPLORATION REPORT
EARL 1 to 32 CLAIMS
YA77893-77924
Whitehorse Mining District

092084

Location: 1. Wheaton River Area, Yukon
2. NTS 105D 3,4
3. Latitude: 60 11'N
Longitude: 135 30'W

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

by
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November 12, 1987

SUMMARY

The EARL claims consist of 32 claims, located in the Wheaton River District, approximately 65 kilometers southwest of Whitehorse. The Mt. Skukum gold-silver mine is located 4 kilometers north of the property and Omni's Skukum Creek silver-gold deposit is located 8 kilometers southeast of the property. Access to the claims is via helicopter. A little used 4 by 4 tote road from Omni's Skukum Creek property passes within 500 meters of the property.

Exploration during the 1987 field season consisted of geological mapping, grid establishment, soil and rock geochemistry, VLF-EM and magnetometer surveys and trenching. Work was carried out between July 1st and October 9th, 1987.

The EARL claims are underlain by Hadrynian to Early Paleozoic phyllites and clastic metasediments which are intruded by a Cretaceous quartz diorite and several Tertiary rhyolite dykes. The rhyolite dykes are parallel to a Mt. Skukum boundary fault separating Tertiary conglomerates and volcanics from the metasediments. Mineralization located to date on the property at the Twist sone is subparallel to this fault.

The Twist zone consists of at least two poorly exposed quartz-pyrite-galena (sphalerite-tetrahedrite) veins located 50 meters apart. The veins cut the metasediments and can be traced in subcrop and float for at least 400 meters. The vein widths are not known. A 600 meter by 30 to 90 meter wide coincident gold-silver soil geochemical anomaly is associated with the Twist zone. Soil geochemical values are up to 524 ppb gold and 10 ppm silver and rock samples (from boulders) contain up to 0.185 opt gold and 103 opt silver.

The Charleston quartz-galena-gold vein consists of a 700 meter long vein (0.2 to 2 meters wide) which outcrops within 25 meters south of the EARL claims on adjoining ground. The vein trends under talus towards the claim group and probably exists under talus within the EARL claims.

The potential for locating economic Omni style mineralization in the Twist zone or along an extension of the Charleston vein is good and much more exploration is warranted. Geological mapping, sampling, trenching and diamond drilling are recommended at an estimated total cost of $100,000.

CONCLUSIONS

The Twist zone veins and the Charleston vein consist of quartz-pyrite-galena (sphalerite-tetrahedrite) veins. The Twist zone veins can be traced in subcrop and boulders for at least 400 meters and the geochemical patterns suggest a much larger strike length. Several boulder samples taken along the strike length of the vein zone contained significant precious metal values; up to 0.185 opt gold and 103 opt silver. The Charleston vein (on adjoining ground) appears to trend under talus onto the EARL claims and the Twist zone could be a northern extension of it.

The veins trend between 130 and 160 and are parallel to a suite of rhyolite dykes and a boundary fault to the Mt. Skukum caldera complex. The boundary and related faults probably acted as conduits to mineralizing fluids and rhyolite dykes.

The Twist zone and Charleston veins are similar to the Omni Skukum Creek vein in vein type (high sulphide content, high Ag/Au ratio) and structural environment. The Omni vein also occurs along a major boundary fault to the Mt. Skukum caldera and is parallel to several rhyolite dykes. The difference between the Twist zone veins and the Omni vein is that the Omni vein is hosted by granodiorite and the Twist zone is hosted by phyllites. As a result, the Twist zone veins may pinch and swell more readily. The Omni vein zone is up to 10 meters wide; the width of the Twist zone veins is not known.

The potential for locating an Omni style vein deposit on the EARL claims is good and further exploration is warranted.

RECOMMENDATIONS

The following work is recommended for the 1988 field season on the EARL claims.

1. Cat trenching of the Twist zone veins.

2. Followup sampling and mapping northwest and southeast along the strike of the Twist zone veins.

3. Diamond drilling 500 meters using NQ core on the Twist zone and the proposed northern extension of the Charleston vein.

Should the results of this initial program prove encouraging, a followup program of 1500 to 2000 meters of diamond drilling should be carried out.

Table of Contents

List of Appendices

INTRODUCTION

This report was prepared at the request of Mr. E. Stewart of Pacific Trans-Ocean Resources Ltd. and describes the exploration carried out on the EARL claims during the 1987 field season. Exploration consisted of geological mapping, geochemical sampling, grid establishment and trenching.

LOCATION and ACCESS

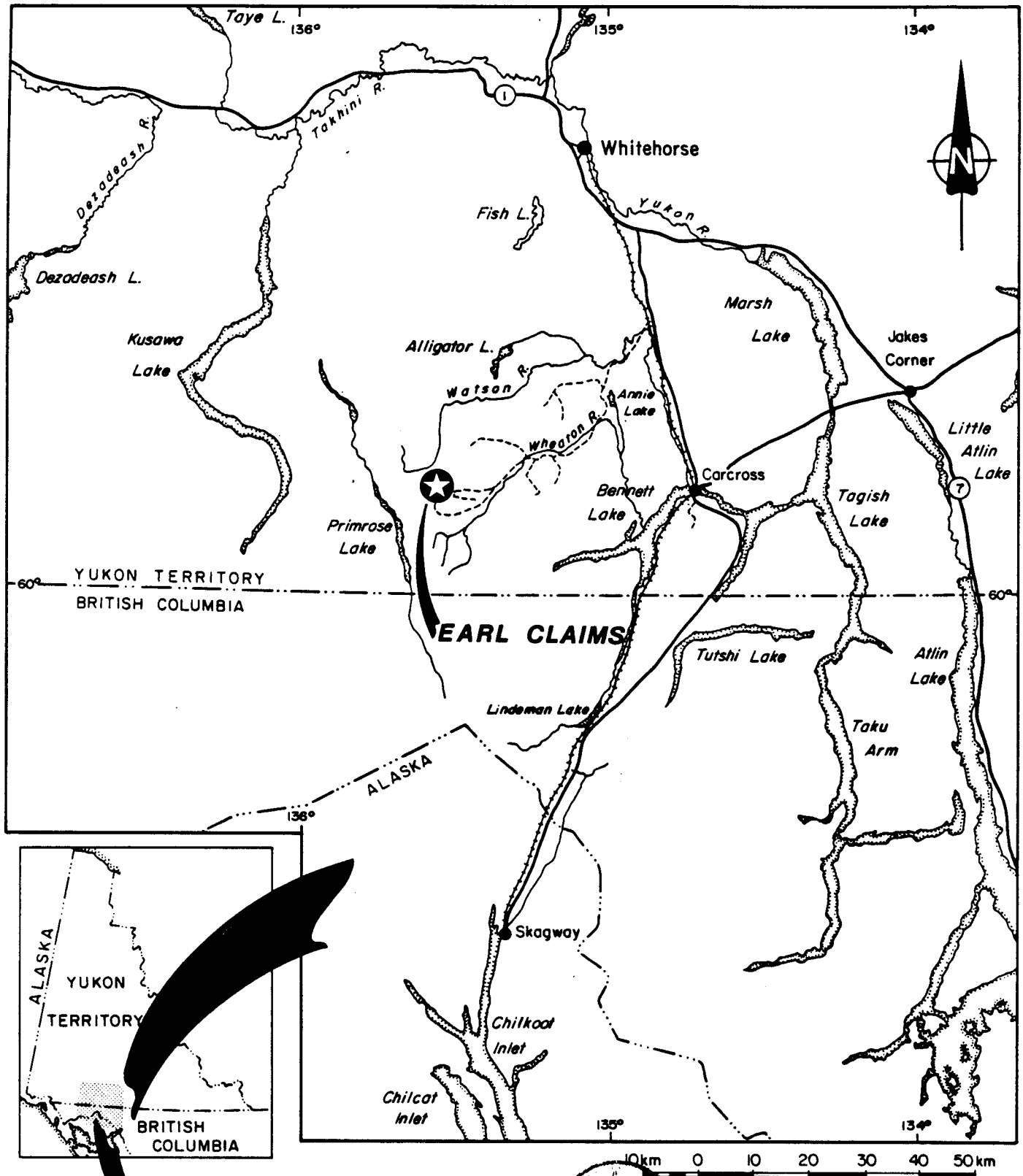
The EARL claims are located at the headwaters of the Watson River and Skukum Creek in the Wheaton River district, Yukon Territory. The property is located approximately 65 kilometers southwest of Whitehorse. It is 4 kilometers south of the Mt. Skukum gold-silver mine and 8 kilometers northwest of Omni's Skukum Creek silver gold deposit. The property is at 60 11'N latitude and 135 30'W longitude (figure 1).

Access to the property is via helicopter from Whitehorse or a seasonal base at the Mt. Skukum millsite, located 10 kilometers east of the property. A little used 4 by 4 tote road leading from Omni's Skukum Creek camp up Berney Creek to Island Mining's Charleston property (adjacent to the EARL claims). The road passes within 500 meters of the EARL claims. Access to the 4 by 4 tote road is via a 5 kilometer long road which leaves the Annie Lake road near the Mt. Skukum mill. The Annie Lake road is a 40 kilometer long all weather road which leads from the Klondike highway through the Wheaton River district to the Mt. Skukum millsite.

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 high winds from moist Pacific systems rising over the Coast Mountains. The exploration season extends from mid-May through to September/October.

The topography of the property is rugged; a mixture of steep cliffs with large talus slopes and some rounded ridges. The Twist zone occurs on a steep grass covered south facing slope leading from a rounded ridge (cliff forms north slope). Elevations on the property vary between 1370 meters and 2200 meters. Creek water flows between June and September and a small glacial fed lake occurs in the south central part of the claims (see figure 3).



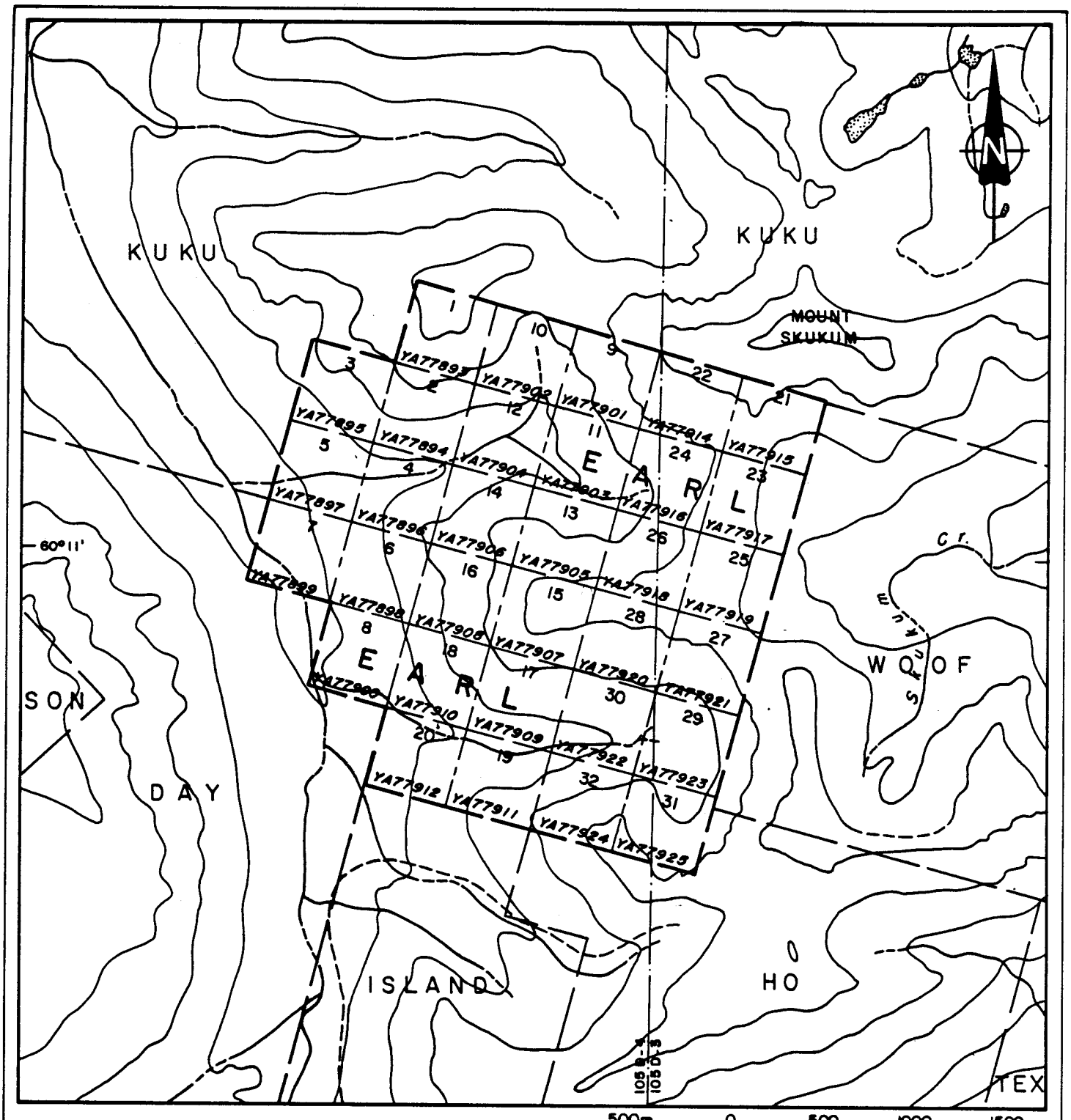
TRANS - OCEAN RESOURCES LTD.

EARL CLAIMS

LOCATION

092084

Aurum Geological Consultants Inc.			OCTOBER, 1987
	Drawn by NH	Scale 1:1,000,000	FIGURE : 1



LEGEND

- 31 — claim boundary
- claim number
- YAT7925 — tag number
- 4WD trail
- creek, lake
- 5500 — elevation contour; interval 500 ft.

Note: adapted from D.I.A.N.D. map sheets 105D-3 & 4

PACIFIC TRANS-OCEAN RESOURCES LTD.

EARL CLAIMS

CLAIM MAP

092084

Aurum Geological Consultants Inc.			OCTOBER, 1987
NTS 105D/3,4	DRAWN BY NH	SCALE 1:30,000	FIGURE: 2

The property is above treeline and the vegetation consists of alpine grasses and shrubs.

CLAIM STATUS

The EARL claims consist of 32 unsurveyed contiguous mineral claims located within 105D 3 and 4 of the Whitehorse Mining district, Yukon. The claims are owned by AGIP Canada Ltd. of Calgary, Alberta and are held under option by Pacific Trans-Ocean Resources Ltd. of Edmonton, Alberta.

The following is a summary of the claim status:

Claim Name	Grant Number	Expiry Date
EARL 1-32	YA77893-77924	28 January, 1989

* subject to approval by mining recorder

The claim distribution is shown on figure 2.

HISTORY

The EARL claims are located immediately north of the Charleston Crown Grant, which contains the historically explored Charleston vein. The Charleston vein was discovered in 1907 following the staking and prospecting rush brought on by the discovery of free gold and tellurides on Gold Hill. The property was acquired by Mathew Watson from J. Hume in 1912. Trenching and prospecting was carried out until 1921 when the Slate Creek Mining Company under J.M. Elmer optioned the property (Cockfield, 1922). A 61 meter (200 ft) adit was driven into the vein in 1921. The vein pinched to 6 inches (15 cm) near the back of the adit and no work was done to determine whether the vein actually died out or swelled again. A second 30 meter (100 ft) adit located approximately 40 meters (130 ft) north of the original adit, is presumed to have been driven in the vein shortly after 1921 (equipment is still there), although the exact date has not been reported. The property was returned to the Watson family in 1922. Twenty-five samples taken over "2000 feet" of the vein by W.M. Ross in 1934 were reported to average 0.344 ounces per ton gold and 8.36 ounces per ton silver over an average width of 2.1 feet (Wheeler,1961). The CHARLESTON Mineral Claim was surveyed in August, 1955 and approved for lease on August 7, 1957. The BUD claims were staked by Yukon Antimony Corp. immediately south of the Crown Grant in 1964 and were subsequently allowed to lapse.

Very little work was carried out in the area until the 1980's when the Nat joint venture staked a gold, arsenic and lead stream sediment anomaly immediately north of the Crown Grant (present EARL claims). The source of the anomaly was not located and the claims were allowed to lapse (Onasick and Archer,1981). Exploration in the area dramatically increased in 1982-1986 with the discovery of the Mt. Skukum gold deposit by AGIP Canada in 1981-1983 (164,000 tons at 0.73 opt gold and 0.63 opt silver: Total Erickson 1985 Annual Report). The deposit is currently being mined at the rate of 300 tons per day.

The EARL claims were staked adjacent to the Charleston Crown Grant (currently under option to Shakwak Exploration and Island Mining and Exploration Co. Ltd.) in July, 1983 by AGIP Canada and optioned to Kerr Addison Mines Ltd. in 1984. Exploration carried out by AGIP Canada and Kerr Addison from 1983 to 1986 consisted of geological mapping, soil and rock geochemistry, grid establishment and hand trenching (Pautler, 1986). Although 1000 to 1500 foot drill program was recommended for 1987, Kerr Addison dropped their option in the spring of 1987. Pacific Trans-Ocean Resources Ltd. subsequently optioned the claims and carried out the program described herein.

REGIONAL GEOLOGY

The EARL claims are situated near the eastern margin of the Coast Plutonic Complex. The regional geology has been described by Cairnes, 1912; Wheeler, 1961 and Lambert, 1974 and will only be summarized here.

The Jurassic to Cretaceous Coast Plutonic Complex consists of foliated and non-foliated granitoid rocks which intrude and underlie low grade metamorphosed sediments and volcanics of the Mesozoic Whitehorse-Nechako Trough and quartzites, schists and gniesses of the Hadrynian to Early Paleozoic Yukon Group.

Subaerial rhyolite and 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, perscomm, 1982 and Pride, 1985). The EARL claims occur near the southwest corner of the Mt. Skukum complex. Late stage rhyolite and andesite dykes and plugs related to the Skukum volcanics cut the Skukum group and surrounding rocks.

The regional structural trend is northwest which is cut by later Tertiary structures. The EARL claims occur near the junction of the Tertiary Berney Creek fault (E-W) and an unnamed north-south fault. Both appear to be marginal faults to the Mt. Skukum caldera (Pride, 1985). The Charleston vein and the Twist zone veins are parallel to this north-south fault.

The Mt. Skukum gold-silver deposit occurs in fault hosted sulphide free calcite-quartz veins within the Mt. Skukum paleovolcanic complex. Omni's Skukum Creek silver-gold deposit consists of a quartz-galena-pyrite-arsenopyrite vein occurring in a splay of the Berney Creek fault system. The vein is hosted by granodiorite of the Coast Plutonic complex.

GEOLOGY of the EARL CLAIMS

The EARL claims are underlain by Yukon Group phyllites, quartzites and schists which are intruded by granodiorite and quartz diorite of the Coast Plutonic complex. Tertiary boulder conglomerates overlain by Mt. Skukum volcanics unconformably overlay and are in fault contact with the Yukon Group in the northeast corner of the property. Rhyolite and andesite dykes cut all units. The dykes appear to follow pre-existing north-south structures and are cut by later east-west faults. The property geology is shown in figures 3 and 5.

The Yukon group outcrops throughout most of the property. It consists of grey to rusty weathering phyllite, quartzite, quartz-feldspar-biotite (garnet) schist, marble, skarn and minor amphibolite. The phyllite, schists and quartzites are the predominant units within the Yukon Group. The phyllites are locally graphitic and grade into the schists. The quartzites weather resistantly and form a "ribbed" weathering pattern when interbedded with the phyllites and quartzites. The skarns consist of diopside-garnet and garnet-actinolite-magnetite skarns. They outcrop in the northeast and south central part of the claims and form localized pods and beds.

The foliation trends between 015 and 140 (average 150) and dips between 40 and 80 east (average 60) with local shallow westerly dips occurring on limbs of minor folds. The foliation is parallel to bedding. Several pods and seams of bull quartz, parallel to the foliation, occur throughout the unit.

The Yukon group is intruded by and in fault contact with quartz diorite and granodiorite of the Cretaceous Coast Plutonic complex along the southern edge of the claim group. The quartz diorite is the most common unit with granodiorite occurring in the southwestern parts of the property. The quartz diorite consists of a medium to coarse grained equigranular granitoid

rock with interstitial mafics (hornblende-biotite) and approximately 5% quartz. The intrusive is weakly to moderately chlorite- epidote altered in the areas of dyking and veining and is moderately to strongly sericitized adjacent to veins.

Tertiary polymictic conglomerates overlain by intermediate Mt. Skukum group pyroclastic rocks are in fault contact (also locally unconformably overlie) with the Yukon group on the eastern and northeastern side of the claims. The conglomerate is clast supported in a matrix of dark green to brown sand and carbonaceous sand. Subrounded clasts (up to 20 cm diameter) consist of 60 to 70% metasediments, 25 to 35% granodiorite and minor to 5% bull quartz vein material (from quartz sweats in the metasediments).

The Tertiary pyroclastic rocks consist of light to medium brown, well bedded dacite and andesite ash tuffs and lapilli tuffs. Some epiclastic sediments are interbedded with the volcanics. The tuffs trend 150 to 160 and dip between 25 and 50 E (average 25 to 30). The steeper dips occur adjacent to faults.

Several light brown and platey weathering rhyolite dykes cut all units on the property. The dykes trend northwesterly and dip between 50 and 85 eastward. Dyke widths are between 1 and 5 meters. The rhyolite dykes are fine grained with 5 to 15% fine to medium grained feldspar phenocrysts and 0 to 10% fine to medium grained quartz eyes. They contain 5 to 10% fine grained disseminated pyrite which weathers to give the orange-brown colour.

A few narrow andesite dykes cross cut the rhyolite dyke trend. They occur mainly on the east side of the claims. The andesite dykes have been observed to cut all units on the property except the rhyolite dykes.

A major northwest trending fault separates the Yukon Group from the Tertiary volcanics on the east side of the property. This fault probably formed at the same time as the Berney Creek fault during the collapse of the Mt. Skukum caldera.

A 120 trending airphoto linear associated with a strong VLF anomaly cuts across the Twist zone in the central part of the claims (figure 5). The linear extends from at least 54+75W/30+00N to 53+00W/29+75N. Fault gouge in Trench #2 (across airphoto linear) is parallel to the airphoto linear indicating the presence of an east-west trending fault. The offset in this fault is not known, due to poor exposure, but contoured geochemical patterns (figure 6) suggests some left lateral movement.

MINERALIZATION and ALTERATION

Introduction

Three major zones of interest have been located on the EARL claims: the Twist, Rumba and Skarn zones. The Rumba and Skarn zones have limited economic potential (Rumba is too narrow, Skarn has no mineralization), were previously described by Pautler (1986) and will not be described here. The Charleston vein outcrops 25 meters south of the property boundary and trends under a talus slope towards the EARL claims. It is likely that the vein continues onto the property; therefore a description of the vein is given here. The Twist zone is also described below.

Twist Zone

The Twist zone consists of at least 2 poorly exposed (veins 1 & 3 of Kerr Addison) quartz-galena (trace pyrite-sphalerite) veins located approximately 50 meters apart. The veins trend northwesterly and can be traced in subcrop (1986 trenches) and in float for at least 400 meters (55+50W/31+25N to 52+00W/29+00N). The veins appear to cut the foliation at an acute angle and dip northeast. The widths of the veins are not known, but the boulders of vein material along the Twist zone are up to 1.2 meters and 0.5 meters wide (Pautler, 1986). The veins likely pinch and swell.

The vein material consists of rusty weathering bull quartz and drusy quartz with trace to 5% sulphides occurring along vague bands. The sulphides consist of predominantly galena, pyrite and sphalerite with traces of arsenopyrite and possibly tetrahedrite. The veins also contain abundant limonite bearing microfractures. A narrow sericitized rhyolite dyke appears to be related to the east vein (Kerr Addison's vein #3) and Pautler (1986) reported a pyritic andesite dyke in the footwall of the western vein (vein #1).

A quartz-pyrite (+ trace galena-arsenopyrite) vein was found in the metasediments 400 meters northeast of the Twist zone and may represent a northerly extension of the vein zone (or a parallel vein set). The vein pinches from 1 meter wide to 10 centimeters within a 10 meter exposure. It occurs within a zone of clay and graphitic gouge and trends 140/50NE.

Charleston Vein

The Charleston vein (on adjoining ground) has been traced for approximately 300 meters in outcrop along a cliff face (and in 2 adits - circa 1920's) and in boulders and subcrop for an additional 400 meters south beyond a 50 meter fault offset. The

vein pinches and swells between 0.2 meters and 2.0 meters wide, trends 135 to 160 and dips between 35 and 45 east. The vein occurs in a shear zone within the quartz diorite and often contains thick seams of chlorite and quartz. The quartz diorite is weakly to moderately chlorite altered within 10 to 25 meters of the vein and is often weakly to strongly sericitized adjacent to the vein. The vein is left laterally offset several times by east-west faults and is often bent into the fault zones.

The Charleston vein consists of a rusty weathering occasionally vuggy bull quartz vein (minor calcite) with 1 to 15% sulphides. The sulphides consist of predominantly galena and pyrite with minor sphalerite and chalcopyrite (with malachite). Barite and free gold has been found in soils panned from weathered veins. The vein often contains vague bands of vuggy quartz, bull quartz and sulphides (probably also barite).

Several rhyolite dykes trend parallel to the Charleston vein and extend into the metasediments onto the EARL claims. The vein trends northwest under a steep talus slope within 25 meters of the EARL claims. The vein probably extends with the rhyolite dykes onto the EARL claims into the metasediments. The Twist zone may be the northern extension of this vein zone.

Other veins

The metasediments contain several barren white bull quartz veins parallel to foliation. These veins (include Kerr Addison's vein #2) pinch and swell dramatically and probably formed at the time of pre-Tertiary deformation and are unrelated to the Twist zone veins. These veins have little economic potential.

EXPLORATION

Introduction

Exploration on the EARL claims consisted of grid establishment, rock and soil geochemistry, VLF-EM and magnetometer surveys and trenching. The geophysical surveys are described in a separate report and will not be discussed here. A total of 85 rock samples and 460 soil and talus fine samples were collected and sent to Barringer-Magenta of Calgary, Alberta and Bondar-Clegg of Whitehorse, Yukon (only 10 rocks and 2 soils to Bondar-Clegg). All the samples were analysed for gold and silver while several of the rock and soil samples collected away from the grid were also analysed for arsenic, lead and antimony. A few rock samples on the grid were also analysed for arsenic, lead and antimony. The analytical methods and rock sample descriptions are given in Appendix A. Sample locations and Au-Ag results are shown in figures 3 to 7.

Grid Geochemistry (Twist Zone)

Kerr Addison's (Pautler, 1986) Twist zone baseline was extended west to 57+25W and east to 49+00W. Wing lines were established at 25 meter intervals between 33+15N and 25+50N for a total of approximately 9.8 kilometers. All grid locations were marked with pickets and all lines were chained and slope corrected.

A total of 33 soil samples were collected on the grid. The samples were collected (in addition to Kerr Addison's 1986 samples) at 25 by 25 meter intervals. The Au-Ag results with contoured gold values are plotted in figure 6 (includes Kerr Addison's samples). In addition to the soil samples, a total of 55 rock samples were collected on the grid. These results and sample locations are plotted in figure 5. Several of Kerr Addison's samples are included.

Soil geochemical sampling on the grid has outlined a broad 600 meter by 30 to 90 meter wide coincident gold-silver anomaly associated with the Twist zone. The northwest and southeast ends of the anomaly have not been defined. Geochemical values are up to 524 ppb gold and 10.5 ppm silver (1050 ppb gold and 17 ppm silver by Kerr Addison). The anomaly can be divided into three distinct 150 to 155 trending linear anomalies (figure 6), two of which are associated with veins's #1 and #3 in the area of Kerr Addison's trenches. The third located further to the east is associated with vein float and maybe related to a third vein, or a fault offset of vein's #1 and #2.

Several grab samples of boulders distributed along the Twist zone trend were taken. The best result is from a 0.2 by 0.2 meter boulder collected at 52+00W and 29+00N. It contains 0.185 opt gold, 103 opt silver, 5100 ppm lead, 572 ppm arsenic and 3390 ppm antimony. The high silver and antimony suggests the presence of tetrahedrite. A second sample (0.1 by 0.1 meter boulder) collected at 53+00W/30+00N contained 0.1 opt gold and 15.91 opt silver. Several samples collected between 54+75W/30+00N and 55+50W/31+25N contained greater than 1000 ppb gold and 1 opt silver. High gold and silver values in rock occur along 400 meters of strike length. The samples are coincident with the Twist zone soil geochemical anomaly.

A second broad area of anomalous gold (+ silver) values occurs west of the Twist zone anomaly at the edge of the grid. The anomaly is at least 75 meters long and 30 to 50 meters wide. Geochemical values are up to 302 ppb gold and 6.5 ppm silver. Two rhyolite dykes and some narrow quartz veins cut the phyllites in this area (figure 5). Rock samples collected in this area are geochemically low.

Several spot highs of up to 184 ppb gold and 12.5 ppm silver occur on the eastern half of the grid. These highs appear to be related to rhyolite dykes and some bull quartz veins.

Trenching (Twist Zone)

Two small trenches were drilled and blasted on the southern slope of the Twist zone (figures 5 & 7). Trench 1 was completed (53+25W/30+00N) at the location of a 448 ppb gold (535 ppb gold by Kerr Addison in 1986) soil anomaly (figure 6). Trench 2 was dug 20 meters west in a prominent linear. A 20 cm quartz vein trending parallel to the linear was found within sheared phyllites in Trench 2. Numerous quartz veinlets up to 1 to 2 cm in width were exposed in the northern half of Trench 1. The veinlets cut quartzites and schists and are cut by northeast trending faults.

A 2 meter chip sample across the narrow quartz veins in Trench 1 contained 184 ppb gold. All other rock results are low. Two soil samples taken in the upper part of Trench 1 contain 600 and 544 ppb gold, confirming the gold soil geochemical anomaly. The lack of significant gold values within the trench and the presence of strongly anomalous gold values in soil in the upper part of the trench suggests that the source of the soil anomaly is further up slope.

RECONNAISSANCE SOIL and ROCK GEOCHEMISTRY

A total of 124 talus fine samples and 26 rock samples were collected off the grid. The talus fine samples were collected between 10 and 50 meter intervals along most of the slopes outside the grid area. The sample locations and gold-silver results are shown in figures 3 (rock) and 4 and the results are given in Appendix A.

Five consecutive talus fine samples collected over 250 meters northeast of the Twist zone contain between 240 and 726 ppb gold, 0.93 and 8.0 ppm silver, 57 and 129 ppm lead and 115 and 1650 ppm arsenic. The source of this anomaly is not known, but maybe the result of downslope movement from the northern extension of the eastern most Twist zone veins. A 0.4 meter chip sample from an outcrop of quartz-pyrite (galena - arsenopyrite vein) in this area (see **Mineralization and Alteration**) contained 400 ppb gold.

Four soil samples collected below outcrops of narrow quartz veins and rhyolite dykes northwest of the Twist zone contain between 120 and 860 ppb gold. Rock samples collected across the veins were geochemically low.

A soil sample collected half way between the Twist zone and the Charleston vein contained 142 ppb gold. Five other samples collected in this area contained between 40 and 64 ppb gold and 0.36 and 2.11 ppm silver. The anomalous values maybe related to the southeastern extension of the Twist zone veins.

DISCUSSION

The EARL property is located immediately southwest of the Mt. Skukum caldera complex. The claims are underlain by Yukon group phyllites, quartzites and schists which are intruded by granodiorite and quartz diorite of the Cretaceous Coast Plutonic complex. Mt. Skukum Group conglomerate and volcanics are in fault contact with the granodiorite and metasediments on the east side of the property. This fault represents a boundary fault to the Skukum complex and formed during caldera collapse. Several rhyolite dykes trending parallel to the fault cut the granodiorite and phyllites. The boundary fault and related faults probably acted as conduits for mineralizing fluids and rhyolite dykes.

The Twist zone consists of two, probably three veins which can be traced in boulders and outcrop for at least 400 meters. The width of the veins is not known, but boulders are up to 0.3 meters in diameter and subcrop in 1986 trenches indicates widths of at least 0.5 to 1.2 meters. The veins likely pinch and swell due to the phyllitic nature of the host rock and only deep trenching and diamond drilling will determine the width of the vein.

A 600 meter long by 30 to 90 meters wide coincident gold-silver soil anomaly is associated with the Twist zone. Individual soil values are up to 524 ppb gold and 10.5 ppm silver (1050 ppb gold and 17 ppm silver by Kerr Addison). Rock values in this zone are up to 0.185 opt gold and 103 opt silver indicating a high silver to gold ratio. Anomalous soil values northeast and southeast of the zone suggest that the vein zone may continue beyond the 400 to 600 meters of strike length currently existing.

The boulder traces and geochemical anomalies trend between 150 and 155 and are parallel to several rhyolite dykes. The dykes dip eastward and the veins probably dip in the same direction.

The Charleston vein is a major 0.2 to 2 meter wide and 700 meter long gold bearing quartz vein which trends northwesterly towards the EARL claims. The vein outcrops 25 meters south of the claim boundary and likely continues under talus onto the EARL property.

The Twist zone and Charleston veins are similar to the Omni vein deposit in sulphide content and vein type (Bull quartz with high pyrite and galena content and high Ag/Au). The veins also occur in a similar structural environment. The Omni deposit and the EARL veins both occur along a major boundary fault to the Mt. Skukum caldera and are parallel to several rhyolite dykes. The difference between the Twist zone veins and the Omni vein is that the Omni vein is hosted by granodiorite and the EARL veins are hosted by phyllites. The result of this is that the Twist zone may pinch and swell more.

The potential for locating an Omni style vein deposit on the EARL claims is good and a followup diamond drill program is warranted.

RECOMMENDATIONS

The results of the 1987 exploration program on the EARL claims warrant a followup program during the 1988 season. The following two phase program is recommended. The second phase is contingent on the first phase.

Phase 1

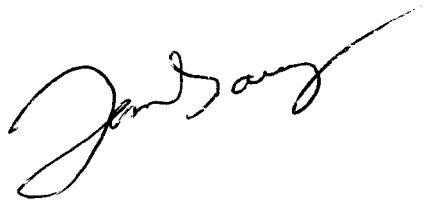
1. Cat trenching the Twist zone veins to determine vein locations and widths.

2. Followup sampling and mapping northwest and southeast along the strike of the Twist zone veins.

3. Diamond drilling totalling 500 meters using NQ core on the Twist zone. One hole should be drilled through the talus to test the potential of the northern extension of the Charleston vein.

This program should commence some time in early June.

Should the results of this program prove encouraging a phase II program consisting of further 1500 to 2000 meters of drilling should be carried out. A phase II drill program should be preceeded by building a road to the property and a camp on the property to eliminate extensive helicopter use.



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092084

LEGEND

LITHOLOGIES

TERTIARY (SKUKUM GROUP)

- 6 — rhyolite, dacite and andesite dykes
- 5 — andesite, dacite tuffs, flows
- 4 — conglomerate - polymictic clast supported

JURASSIC - CRETACEOUS

- 3 — diorite dykes
- 2 — granodiorite

PALEOZOIC?
~~Lower PROTEROZOIC - Early PALEOZOIC~~ (YUKON GROUP)

- 1 — phyllite, quartzite, marble, biotite schist, skarn, amphibolite

SYMBOLS

- geological contact (defined, assumed)
- fault
- 40 — foliation
- 70 — bedding, attitude of dykes and veins
- trace of quartz veins
- quartz vein float
- adit
- BL — baseline
- access road
- Kuku / Earl — claim boundary (approximate)
- 6000 — elevation contour : interval 100 ft.
- lake, creek
- cabin
- rock glacier
- ×620015/5, 0.1 — rock float sample / Au in ppb, Ag in ppm
- ×610061/2, 0.02 — rock outcrop sample / Au in ppb, Ag in ppm

Delete

Note : Pb, As and Sb results reported in Appendices

100m 0 100 200 300 400 500 600 700m

SCALE IN METRES

Delete all geochemical numbers and sample locations. Every 5th contour should be enough.
Title:

EARL CLAIMS
GEOLOGY

FROM ASSESSMENT REPORT 092084
BY T. GARAGAN.

TRANS - OCEAN RESOURCES LTD.

EARL CLAIMS

092084
GEOLOGY (1036)
&
Au-Ag ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.			NOVEMBER, 1987
NTS 105 D/3&4	DRAWN BY TAG/NH	SCALE 1:10,000	FIGURE : 3

Sample No.	Au (ppb)	Ag (ppm)
7460005	<2	0.41
06	2	0.79
07	64	0.9
08	2	0.56
7460009	142	0.72
7460011	3	0.58
012	2	0.41
013	3	0.39
014	13	1.4
015	84	2.11
016	10	0.92
017	62	1.06
018	3	0.54
019	40	1.08
020	7	0.53
7460021	56	0.36

LEGEND

- 7960087/<2, 1.66 — soil sample location / Au in ppb, Ag in ppm
- Baseline — approximate baseline location
- access road
- Kuku / Earl — claim boundary (approximate)
- 6000 — elevation contour : interval 100 ft.
- lake, creek
- cabin
- rock glacier

100m 0 100 200 300 400 500 600 700m

SCALE IN METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

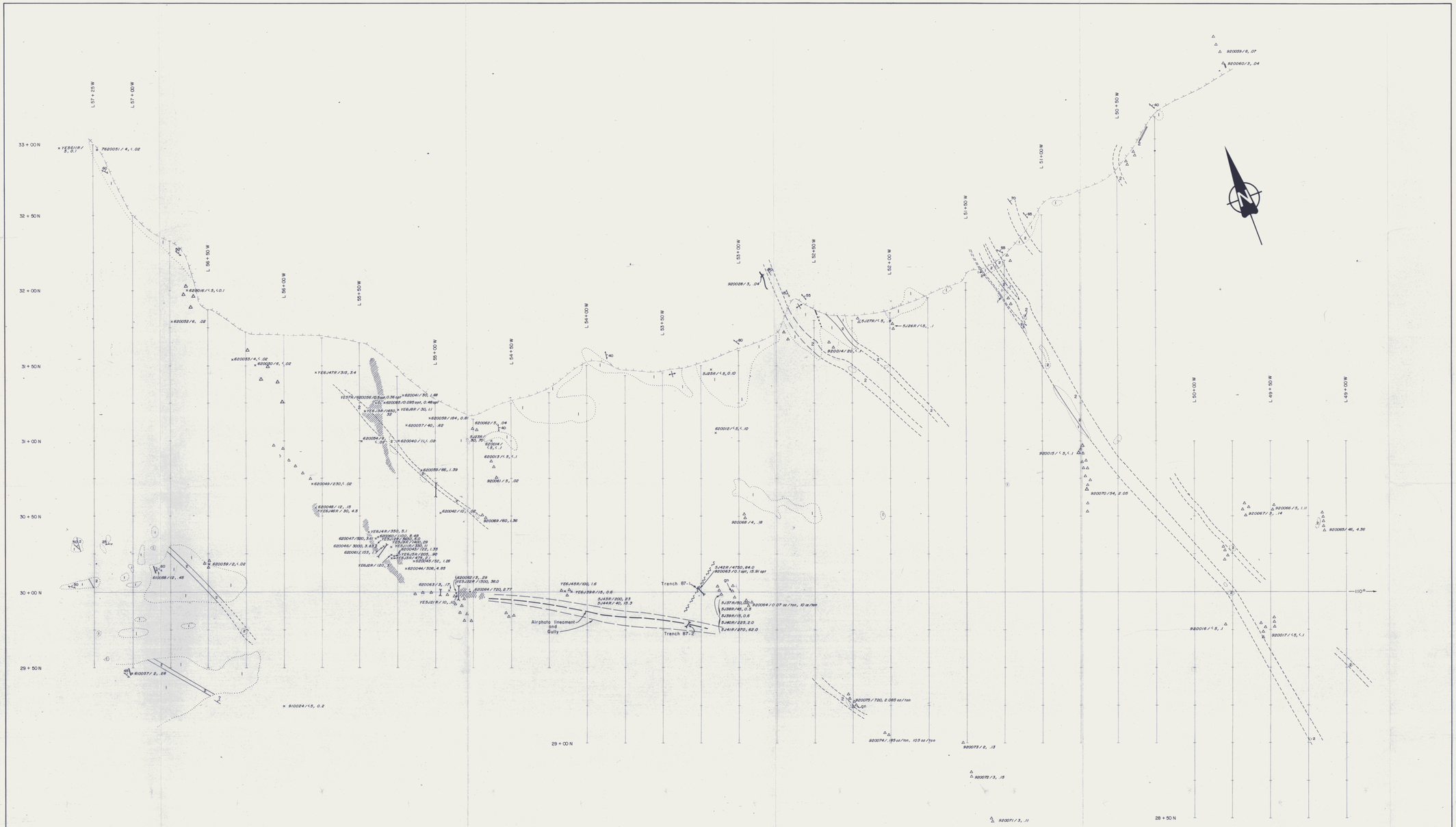
EARL CLAIMS

092084 (1039)

Au-Ag SOIL GEOCHEMISTRY

Aurum Geological Consultants Inc.			NOVEMBER, 1987
NTS 105 D/3&4	DRAWN BY TAG/NH	SCALE 1:10,000	FIGURE : 4

GEOLOGICAL ASSOCIATION OF CANADA · T.A.G. CARAGAN · FELLOW



LEGEND

LITHOLOGIES

TERTIARY

2 — rhyolite, andesite dykes

Lower PROTEROZOIC to Early PALEOZOIC

1 — YUKON GROUP: phyllite, quartzite, biotite-feldspar schist, marble

SYMBOLS

- geological contact (defined, assumed)
- foliation, parallel to bedding in most cases
- bedding, attitude of dykes
- anticline
- outcrop, subcrop
- gossanous soil
- quartz float
- quartz vein in outcrop
- gn galena showing
- trench (1986)
- TRENCH 87-1 trench (1987)
- grid
- ridge ; dashes indicate cliff side
- ×YE85/88/ 30, 1.1 — Kerr Addison 1985, 1986 samples Au (ppb), Ag (ppm)
- ×920075/ 720, 2.085oz/t — 1987 sampling, Au (ppb), Ag (ppm) unless otherwise mentioned

10m 0 10 20 30 40 50 60 70m

SCALE IN METRES

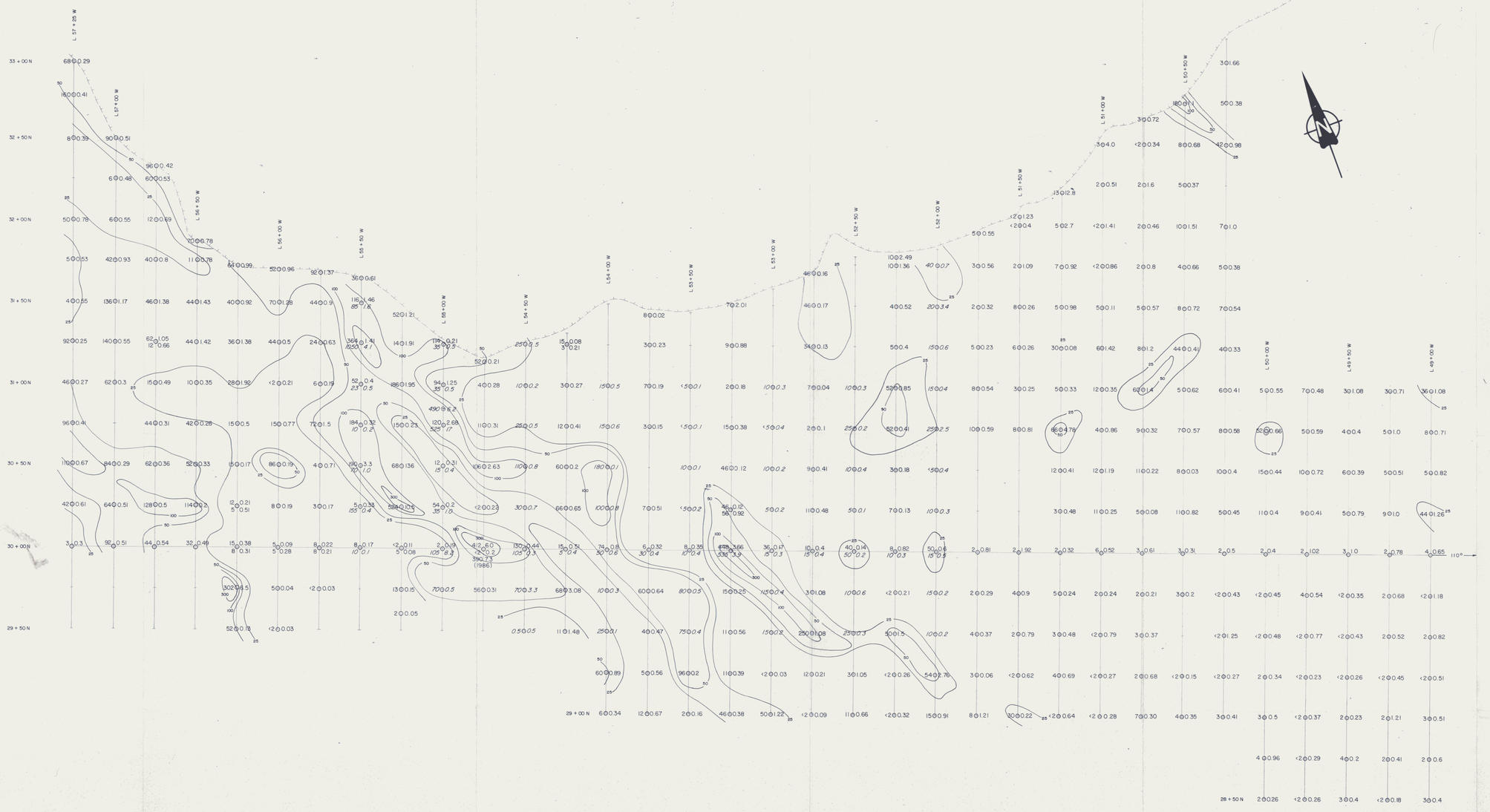
PACIFIC TRANS - OCEAN RESOURCES LTD.

EARL CLAIMS

092084 (1037)

GEOLOGY & ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.			SEPTEMBER, 1987
NTS 105 D/3&4	DRAWN BY TAG/NH	SCALE 1:1,000	FIGURE 5



LEGEND

grid location

soil sample location

1987 data ; Au in ppb ○ Ag in ppm

1986 data ; Au in ppb ○ *Ag in ppm*

Au contours ; contour intervals

- 25 ppb
- 50 ppb
- 100 ppb
- 300 ppb

Note : when 1986 and 1987 data are duplicated at one point 1987 data is used for contouring

10m 0 10 20 30 40 50 60 70m

SCALE IN METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

EARL CLAIMS

092084 (1040)

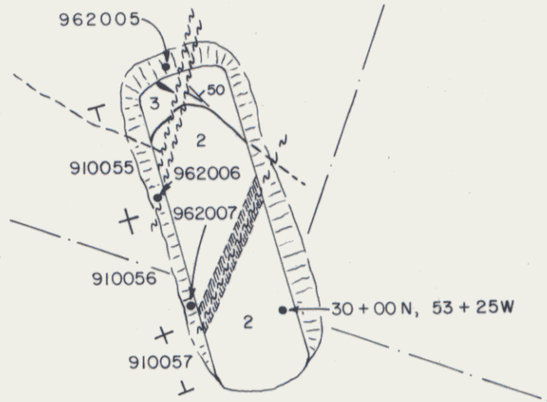
SOIL GEOCHEMISTRY

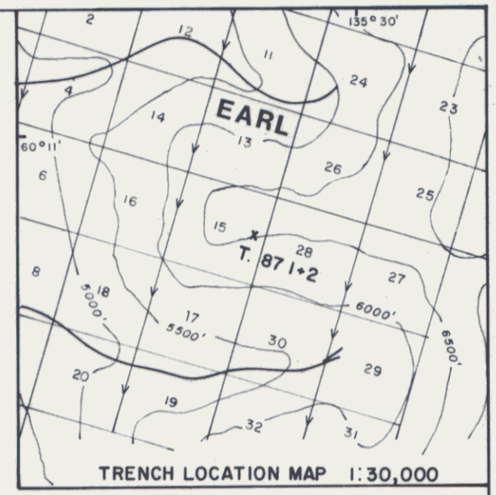
Aurum Geological Consultants Inc. | SEPTEMBER, 1987

NTS 105D/3&4 | DRAWN BY TAG/NH | SCALE 1:1,000 | FIGURE 6

TRENCH GEOCHEMISTRY

SAMPLE NUMBER	SAMPLE TYPE	Au (ppb)	Ag (ppm)
910055	2m rock chip	184	0.28
910056	2m rock chip	13	0.19
910057	1m rock chip	10	0.08
910058	2m rock chip	12	0.44
962005	soil	600	1.41
962006	soil	544	1.57
962007	soil	98	0.62





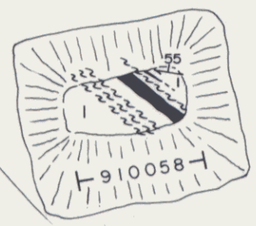
Trench 87-1
Volume: 5 x 2 x 2.5 (average depth) = 25 m^3

30+00N

53+25W

Talus slope

Gully



Trench 87-2
Volume: 3 x 3.5 x 1.5 (average depth) = 15.75 m^3

LEGEND

LITHOLOGIES

PROTEROZOIC to Early PALEOZOIC
YUKON GROUP:

- 3 quartzite
- 2 quartzite & quartz-biotite schist
- 1 phyllite

SYMBOLS

- geological contact (defined, assumed)
- fault
- 50 bedding, inclined
- 55 foliation, inclined
- gossan
- quartz veining
- 962006 soil sample
- 910056 chip sample

1m 0 1 2 3 4 5m
SCALE IN METRES

PACIFIC TRANS-OCEAN RESOURCES LTD.

EARL CLAIMS

092084

TRENCHES

1038

Aurum Geological Consultants Inc.		SEPTEMBER, 1987	
NTS 105 D/4	DRAWN BY TAG / NH	SCALE 1:100	FIGURE: 7

APPENDIX A
ANALYTICAL METHODS AND RESULTS AND ROCK 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

092084

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 lppm.
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

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 by atomic absorption spectrometry.
The detection limit is 1 ppm.

Bondar-Clegg & Company Ltd.
136 Industrial Road
Whitehorse, Yukon Territory Y1A 2V1
Phone: (403) 667-6523
Telex: 036-8-460

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 127-4332

PROJECT: EARL/SAIN CLAIM PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AG PPM	AU PPB	
SI 7-660074		1.4	860	EARL
SI 7-660075		1.1	200	
P4 7-620012		<0.1	<5	
P4 7-620013		<0.1	<5	
P4 7-620014		<0.1	<5	
P4 7-620015		0.1	<5	EARL
P4 7-620016		<0.1	<5	
P4 7-620017		<0.1	<5	
P4 7-920014		<0.1	20	
P4 7-920015		<0.1	<5	
P4 7-920016		0.1	<5	
P4 7-920017		<0.1	<5	
P4 7-93001		2.9	10	
P4 7-93002		0.6	<5	SAIN - THE drill cov
P4 7-93003		4.3	40	

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PROJECT: EARL

WORK ORDER: 4243D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
7620062	3.0	0.29
7620063	3.0	0.17
7620064	720.0	2.77
7620065	7.0	0.41
7610059	8.0	0.08
7610060	13.0	0.32

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PROJECT: EARL

WORK ORDER: 4237D-87

*** 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
7920066	5.0	1.11	NA	NA
7920067	3.0	0.14	NA	NA
7920068	4.0	0.18	NA	NA
7920069	60.0	1.36	NA	NA
7920070	54.0	2.05	NA	NA
7920071	3.0	0.11	NA	NA
7920072	3.0	0.15	NA	NA
7920073	2.0	0.13	NA	NA
7920074	NA	NA	0.185	103.0
7920075	720.0	NA	NA	2.085
7610057	2.0	0.28	NA	NA
7610058	12.0	0.45	NA	NA
7910028	3.0	0.04	NA	NA

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PROJECT: EARL

WORK ORDER: 4237D-87

*** 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
7620039	2.0	<0.02	NA	NA
7620040	11.0	<0.02	NA	NA
7620041	30.0	1.48	NA	NA
7620042	10.0	<0.02	NA	NA
7620043	122.0	1.33	NA	NA
7620044	306.0	4.85	NA	NA
7620045	52.0	1.28	NA	NA
7620046	3000.0	3.83	0.1	NA
7620047	520.0	3.61	NA	NA
7620048	12.0	0.15	NA	NA
7620049	230.0	<3.02	NA	NA
7620050	6.0	<0.02	NA	NA
7620051	4.0	<0.02	NA	NA
7620052	6.0	<0.02	NA	NA
7620053	4.0	<0.02	NA	NA
7620054	8.0	<0.02	NA	NA
7620055	2800.0	NA	0.095	0.48
7620056	1800.0	NA	0.05	0.36
7620057	40.0	0.62	NA	NA
7620058	184.0	0.81	NA	NA
7620059	66.0	1.39	NA	NA
7620060	1100.0	8.48	NA	NA
7620061	152.0	1.7	NA	NA
7920059	8.0	0.07	NA	NA
7920060	3.0	0.04	NA	NA
7920061	5.0	0.02	NA	NA
7920062	5.0	0.04	NA	NA
7920063	NA	NA	0.1	15.91
7920064	NA	NA	0.07	10.0
7920065	46.0	4.36	NA	NA

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PROJECT: EARL

WORK ORDER: 4237D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	PB PPM	AS PPM	SB PPM
7920063	1430.0	384.0	690.0
7920064	7500.0	424.0	380.0
7920065	63.0	10.0	<5.0
7920066	24.0	4.0	<5.0
7920067	2.0	4.0	<5.0
7920068	<1.0	12.0	<5.0
7920069	16.0	1100.0	<5.0
7920070	670.0	144.0	<5.0
7920071	7.0	72.0	<5.0
7920072	24.0	168.0	<5.0
7920073	<1.0	4.0	<5.0
7920074	5100.0	572.0	3380.0
7920075	1620.0	384.0	51.0
7620043	144.0	60.0	7.0
7620044	1130.0	90.0	<5.0
7620045	218.0	54.0	5.0
7620046	23.0	1000.0	<5.0
7620047	172.0	416.0	<5.0
7620048	7.0	32.0	<5.0
7620049	87.0	1840.0	<5.0
7620050	4.0	24.0	<5.0
7620051	<1.0	24.0	<5.0
7620052	<1.0	4.0	<5.0
7620053	<1.0	4.0	<5.0
7620054	3.0	2.0	<5.0
7620055	421.0	204.0	<5.0
7620056	305.0	282.0	<5.0
7620057	5.0	424.0	<5.0
7620058	4.0	80.0	<5.0
7620059	2.0	12.0	<5.0

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PROJECT: EARL

WORK ORDER: 4237D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	PB PPM	AS PPM	SB PPM
7620060	2.0	12.0	<5.0
7620061	52.0	1200.0	<5.0

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM GEOLOGICAL CONSULT
WHITEHORSE, YUKON
T. GARAGAN

PACIFIC TRANS OCEAN RES.
EDMONTON, ALBERTA
E.B. STEWART

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

2094

BARRINGER MAGENTA
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PAGE: 1 OF 14
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C O P Y
PROJECT: EARL

AUTHORITY:T. GARAGAN

AURUM GEOLOGICAL CONSULT
C/O ECHO ANSWERING SERV.
207 ELLIOT ST.
WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
7610061	2.0	<0.02	<1.0	12.0
7610062	2.0	0.06	<1.0	12.0
7610063	3.0	<0.02	<1.0	10.0
7610064	3.0	<0.02	<1.0	8.0
7610065	4.0	<0.02	<1.0	8.0
7610066	3.0	0.11	23.0	280.0
7610067	2.0	0.03	3.0	24.0
7610068	3.0	0.03	5.0	48.0
7610069	5.0	<0.02	<1.0	12.0
7620071	13.0	0.38	4.0	2375.0
7620072	20.0	0.13	7.0	540.0
7910031	400.0	1.15	8.0	168.0
7910032	6.0	0.02	2.0	12.0
7920085	12.0	0.81	2.0	104.0
7920086	10.0	2.38	335.0	144.0

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12-SEP-87
PAGE: 2 OF 14
COPY: 3 OF 4
C O P Y
PROJECT: EARL

AUTHORITY:T. GARAGAN

AURUM GEOLOGICAL CONSULT
C/O ECHO ANSWERING SERV.
207 ELLIOT ST.
WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	SB PPM
7610061	<5.0
7610062	<5.0
7610063	<5.0
7610064	<5.0
7610065	<5.0
7610066	<5.0
7610067	<5.0
7610068	<5.0
7610069	<5.0
7620071	<5.0
7620072	<5.0
7910031	<5.0
7910032	<5.0
7920085	<5.0
7920086	<5.0

092084

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PHONE: (403) 250-1901

BARRINGER
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P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

19-OCT-87
PAGE: 2 OF 2
COPY: 3 OF 4
C O P Y
PROJECT: EARL

AUTHORITY: T. GARAGAN

AURUM GEOLOGICAL CONSULT
#4, 707 - 3 AVE N.W.
CALGARY, ALBERTA

WORK ORDER: 4388D-87

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
791000: 55	184.0	0.28
791000: 56	13.0	0.19
791000: 57	10.0	0.08
791000: 58	12.0	0.44

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

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

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

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AUTHORITY:T. GARAGAN

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

PROJECT: EARL

WORK ORDER: 4211D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
28+50N:29+75W	<2.0	0.26
28+50N:49+00W	3.0	0.4
28+50N:49+25W	<2.0	0.18
28+50N:49+50W	3.0	0.4
28+50N:50+00W	2.0	0.26
28+75N:49+00W	2.0	0.6
28+75N:49+25W	2.0	0.41
28+75N:49+50W	4.0	0.2
28+75N:49+75W	<2.0	0.29
28+75N:50+00W	4.0	0.96
29+00N:49+00W	3.0	0.51
29+00N:49+25W	2.0	1.21
29+00N:49+50W	2.0	0.23
29+00N:49+75W	<2.0	0.37
29+00N:50+00W	3.0	0.5
29+00N:50+25W	3.0	0.41
29+00N:50+50W	4.0	0.35
29+00N:50+75W	7.0	0.3
29+00N:51+00W	<2.0	0.28
29+00N:51+25W	<2.0	0.64
29+00N:51+50W	30.0	0.22
29+00N:51+75W	8.0	1.21
29+00N:52+00W	15.0	0.91
29+00N:52+25W	<2.0	0.32
29+00N:52+50W	11.0	0.66
29+00N:52+75W	<2.0	0.09
29+00N:53+00W	50.0	1.22
29+00N:53+25W	46.0	0.38
29+00N:53+50W	2.0	0.16
29+00N:53+75W	12.0	0.67

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PROJECT: EARL

WORK ORDER: 4211D-87

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
29+00N:54+00W	6.0	0.34
29+25N:49+00W	<2.0	0.51
29+25N:49+25W	<2.0	0.45
29+25N:49+50W	<2.0	0.26
29+25N:49+75W	<2.0	0.23
29+25N:50+00W	2.0	0.34
29+25N:50+25W	<2.0	0.27
29+25N:50+50W	<2.0	0.15
29+25N:50+75W	2.0	0.68
29+25N:51+00W	<2.0	0.27
29+25N:51+25W	4.0	0.69
29+25N:51+50W	<2.0	0.62
29+25N:51+75W	3.0	0.06
29+25N:52+00W	54.0	2.76
29+25N:52+25W	<2.0	0.26
29+25N:52+50W	3.0	1.05
29+25N:52+75W	12.0	0.21
29+25N:52+95W	<2.0	0.03
29+25N:53+25W	11.0	0.39
29+25N:53+50W	96.0	0.2
29+25N:53+75W	5.0	0.56
29+25N:54+00W	60.0	0.89
29+50N:49+00W	2.0	0.82
29+50N:49+25W	2.0	0.52
29+50N:49+50W	<2.0	0.43
29+50N:49+75W	<2.0	0.77
29+50N:50+00W	<2.0	0.48
29+50N:50+25W	<2.0	1.25
29+50N:50+75W	3.0	0.37
29+50N:51+00W	<2.0	0.79

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

WORK ORDER: 4211D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
29+50N:51+25W	3.0	0.48
29+50N:51+50W	2.0	0.79
29+50N:51+75W	4.0	0.37
29+50N:52+25W	50.0	1.51
29+50N:52+75W	250.0	1.08
29+50N:53+25W	11.0	0.56
29+50N:53+75W	4.0	0.47
29+50N:54+25W	11.0	1.48
29+50N:56+25W	52.0	0.13
29+60N:55+25W	<2.0	0.05
29+75N:49+00W	<2.0	1.18
29+75N:49+25W	2.0	0.68
29+75N:49+50W	<2.0	0.35
29+75N:49+75W	4.0	0.54
29+75N:50+00W	<2.0	0.45
29+75N:50+25W	<2.0	0.43
29+75N:50+50W	3.0	0.2
29+75N:50+75W	2.0	0.21
29+75N:51+00W	2.0	0.24
29+75N:51+25W	5.0	0.24
29+75N:51+50W	4.0	0.9
29+75N:51+75W	2.0	0.29
29+75N:52+25W	<2.0	0.21
29+75N:52+75W	3.0	1.08
29+75N:53+25W	15.0	0.25
29+75N:53+75W	60.0	0.64
29+75N:54+25W	68.0	3.08
29+75N:55+25W	13.0	0.15
29+75N:56+25W	302.0	6.5
54+75W:29+75N	56.0	0.31

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PROJECT: EARL

WORK ORDER: 4211D-87

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
54+75W:30+00N	<2.0	0.2
54+75W:30+25N	<2.0	0.22
54+75W:30+50N	106.0	2.63
54+75W:30+75N	11.0	0.31
54+75W:31+00N	4.0	0.28
54+75W:31+15N	52.0	0.21
55+25W:30+00N	5.0	0.08
55+25W:30+25N	524.0	10.5
55+25W:30+50N	68.0	1.36
55+25W:30+75N	15.0	0.23
55+25W:31+00N	186.0	1.95
55+25W:31+25N	14.0	1.91
55+25W:31+43N	52.0	1.21
55+75W:29+75N	<2.0	0.03
55+75W:30+00N	8.0	0.21
55+75W:30+25N	3.0	0.17
55+75W:30+50N	4.0	0.71
55+75W:30+75N	72.0	1.5
55+75W:31+00N	6.0	0.19
55+75W:31+25N	24.0	0.63
55+75W:31+50N	44.0	0.9
55+75W:31+70N	92.0	1.37
56+00W:29+50N	<2.0	0.03
56+00W:29+75N	5.0	0.04
56+00W:30+00N	5.0	0.28
56+00W:30+25N	8.0	0.19
56+00W:30+50N	86.0	0.19
56+00W:30+75N	15.0	0.77
56+00W:31+00N	<2.0	0.21
56+00W:31+25N	44.0	0.5

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PROJECT: EARL

WORK ORDER: 4211D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
56+00W:31+50N	70.0	1.28
56+00W:31+72N	52.0	0.96
56+25W:30+00N	8.0	0.31
56+25W:30+30N	12.0	0.21
56+25W:30+50N	15.0	0.17
56+25W:30+75N	15.0	0.5
56+25W:31+00N	28.0	1.92
56+25W:31+25N	36.0	1.38
56+25W:31+50N	40.0	0.92
56+25W:31+72N	64.0	0.99

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM GEOLOGICAL CONSULT
WHITEHORSE, YUKON
T. GARAGAN

PACIFIC TRANS-OCEAN RES.
EDMONTON, ALBERTA
E.B. STEWART

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

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

PROJECT: EARL

WORK ORDER: 4243D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
30+00N:51+75W	2.0	0.81
30+00N:52+00W	50.0	0.6
30+00N:52+25W	8.0	0.82
30+00N:52+50W	40.0	0.14
30+00N:52+75W	10.0	0.4
30+00N:53+00W	36.0	0.17
30+00N:53+50W	8.0	0.35
30+00N:53+75W	6.0	0.32
30+00N:54+00W	74.0	0.8
30+00N:54+25W	15.0	0.51
30+00N:54+50W	130.0	0.44
30+00N:54+75W	412.0	6.0
30+25N:49+00W	44.0	1.26
30+25N:49+25W	9.0	1.0
30+25N:49+50W	5.0	0.79
30+25N:49+75W	9.0	0.41
30+25N:50+00W	11.0	0.4
30+25N:50+50W	11.0	0.82
30+25N:50+75W	5.0	0.08
30+25N:51+00W	11.0	0.25
30+25N:51+25W	3.0	0.48
30+25N:52+25W	7.0	0.13
30+25N:52+75W	11.0	0.48
30+25N:53+25W	56.0	0.92
30+25N:53+75W	7.0	0.51
30+25N:54+25W	66.0	0.65
30+25N:56+25W	5.0	0.51
30+25N:56+50W	114.0	0.2
30+50N:49+00W	5.0	0.82
30+50N:49+25W	5.0	0.51

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VANCOUVER, B.C. V6B 1N2

PROJECT: EARL

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
30+50N:49+50W	6.0	0.39
30+50N:49+75W	10.0	0.72
30+50N:50+00W	15.0	0.44
30+50N:50+25W	10.0	0.4
30+50N:50+50W	8.0	0.03
30+50N:50+75W	11.0	0.22
30+50N:51+25W	12.0	0.41
30+50N:56+50W	52.0	0.33
30+50N:56+75W	62.0	0.36
30+75N:49+00W	8.0	0.71
30+75N:49+25W	5.0	1.0
30+75N:49+50W	4.0	0.4
30+75N:49+75W	5.0	0.59
30+75N:50+00W	52.0	0.66
30+75N:50+25W	8.0	0.58
30+75N:50+50W	7.0	0.57
30+75N:50+75W	9.0	0.32
30+75N:51+00W	4.0	0.86
30+75N:51+25W	66.0	4.78
30+75N:51+50W	8.0	0.81
30+75N:51+75W	10.0	0.59
30+75N:52+25W	52.0	0.41
30+75N:52+75W	2.0	0.1
30+75N:53+25W	15.0	0.38
30+75N:53+75W	3.0	0.15
30+75N:54+25W	12.0	0.41
30+75N:56+50W	42.0	0.26
30+75N:56+75W	44.0	0.31
31+00N:49+00W	36.0	1.08
31+00N:49+25W	3.0	0.71

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
31+00N:49+50W	3.0	1.08
31+00N:49+75W	7.0	0.48
31+00N:50+00W	5.0	0.55
31+00N:51+25W	5.0	0.33
31+00N:51+50W	3.0	0.25
31+00N:51+75W	8.0	0.54
31+00N:52+25W	52.0	0.85
31+00N:52+75W	7.0	0.04
31+00N:53+25W	2.0	0.18
31+00N:53+75W	7.0	0.19
31+00N:54+25W	3.0	0.27
31+00N:56+50W	10.0	0.35
31+00N:56+75W	15.0	0.49
31+25N:50+25W	4.0	0.33
31+25N:51+50W	6.0	0.26
31+25N:51+75W	5.0	0.23
31+25N:52+25W	5.0	0.4
31+25N:52+75W	34.0	0.13
31+25N:53+25W	9.0	0.88
31+25N:53+75W	3.0	0.23
31+25N:54+25W	3.0	0.21
31+25N:56+50W	44.0	1.42
31+25N:56+75W	12.0	0.66
31+50N:50+25W	7.0	0.54
31+50N:50+50W	8.0	0.72
31+50N:50+75W	5.0	0.57
31+50N:51+00W	5.0	0.11
31+50N:51+25W	5.0	0.98
31+50N:51+50W	8.0	0.26
31+50N:51+75W	2.0	0.32

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
31+50N:52+25W	4.0	0.52
31+50N:52+75W	46.0	0.17
31+50N:53+25W	7.0	2.01
31+50N:56+50W	44.0	1.43
31+50N:56+75W	46.0	1.38
31+75N:50+25W	5.0	0.38
31+75N:50+50W	4.0	0.66
31+75N:52+25W	10.0	1.36
31+75N:56+50W	11.0	0.78
31+75N:56+75W	40.0	0.8
32+00N:50+25W	7.0	1.0
32+00N:50+50W	10.0	1.51
32+00N:56+75W	12.0	0.69
32+25N:50+25W	MS	MS
32+25N:50+50W	5.0	0.37
32+25N:56+75W	60.0	0.53
32+50N:50+25W	42.0	0.98
32+50N:50+50W	8.0	0.68
32+75N:50+25W	5.0	0.38
32+75N:50+50W	184.0	1.1
33+00N:50+25W	3.0	1.66
30+00N:53+25W	448.0	3.66
31+32N:54+25W	15.0	0.08
31+43N:53+75W	8.0	0.02
31+70N:52+75W	46.0	0.16
31+80N:52+25W	10.0	2.49
31+88N:56+50W	70.0	0.78
32+32N:56+75W	96.0	0.42
30+25N:56+75W	128.0	0.5
30+50N:51+00W	12.0	1.19

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AUTHORITY: T. GARAGAN

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

PROJECT: EARL

WORK ORDER: 42430-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
30+50N:52+25W	3.0	0.18
30+50N:52+75W	9.0	0.41
30+50N:54+25W	60.0	0.2
31+00N:50+25W	6.0	0.41
31+00N:50+50W	5.0	0.62
31+00N:50+75W	60.0	1.4
31+00N:51+00W	12.0	0.35
31+25N:50+50W	44.0	0.41
31+25N:50+75W	8.0	1.2
31+25N:51+00W	6.0	1.42
31+25N:51+25W	30.0	0.08
31+25N:56+75W	62.0	1.05
30+50N:53+25W	46.0	0.12

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM GEOLOGICAL CONSULT
WHITEHORSE, YUKON
T. GARAGAN

PACIFIC TRANS OCEAN RES.
EDMONTON, ALBERTA
E.R. STEWART

092084

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

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

PROJECT: EARL

WORK ORDER: 4237D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
30+00N:49+00W	4.0	0.65
30+00N:49+25W	2.0	0.78
30+00N:49+50W	3.0	1.0
30+00N:49+75W	2.0	1.02
30+00N:50+10W	2.0	0.4
30+00N:50+25W	2.0	0.5
30+00N:50+50W	3.0	0.31
30+00N:50+75W	3.0	0.61
30+00N:51+00W	6.0	0.52
30+00N:51+25W	2.0	0.32
30+00N:51+50W	2.0	1.92
30+00N:55+00W	2.0	0.19
30+00N:55+25W	<2.0	0.11
30+00N:55+50W	8.0	0.17
30+00N:55+75W	8.0	0.22
30+00N:56+00W	5.0	0.09
30+00N:56+25W	15.0	0.38
30+00N:56+50W	32.0	0.49
30+00N:56+75W	44.0	0.54
30+00N:57+00W	92.0	0.51
30+00N:57+25W	3.0	0.3
30+25N:55+00W	54.0	0.2
30+25N:55+50W	5.0	0.33
30+25N:57+00W	64.0	0.51
30+25N:57+25W	42.0	0.61
30+50N:55+00W	12.0	0.31
30+50N:55+50W	190.0	3.3
30+50N:57+00W	84.0	0.29
30+50N:57+25W	110.0	0.67
30+75N:55+00W	120.0	2.68

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PROJECT: EARL

WORK ORDER: 4237D-87

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
30+75N:55+50W	184.0	0.32
30+75N:57+25W	96.0	0.41
31+00N:55+00W	94.0	1.25
31+00N:55+50W	52.0	0.4
31+00N:57+00W	62.0	0.3
31+00N:57+25W	46.0	0.27
31+25N:55+00W	114.0	0.21
31+25N:55+50W	364.0	1.41
31+25N:57+00W	140.0	0.55
31+25N:57+25W	92.0	0.25
31+50N:55+50W	116.0	1.46
31+50N:57+00W	136.0	1.17
31+50N:57+25W	4.0	0.55
31+65N:55+50W	36.0	0.61
31+75N:57+00W	42.0	0.93
31+75N:57+25W	5.0	0.53
32+00N:57+00W	6.0	0.55
32+00N:57+25W	50.0	0.78
32+25N:57+00W	6.0	0.48
32+50N:57+00W	90.0	0.51
32+50N:57+25W	8.0	0.39
32+75N:57+25W	160.0	0.41
32+95N:57+25W	68.0	0.29

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WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
746001	3.0	0.62	9.0	11.0
746002	2.0	0.5	11.0	21.0
746003	2.0	0.26	10.0	36.0
746004	2.0	0.34	11.0	24.0
746005	<2.0	0.41	13.0	31.0
746006	2.0	0.79	20.0	61.0
746007	64.0	0.9	20.0	60.0
746008	2.0	0.56	14.0	26.0
746009	142.0	0.72	17.0	31.0
746011	3.0	0.58	22.0	64.0
746012	2.0	0.41	12.0	33.0
746013	3.0	0.39	13.0	27.0
746014	13.0	1.4	<5.0	24.0
746015	64.0	2.11	<5.0	70.0
746016	10.0	0.92	12.0	41.0
746017	62.0	1.06	10.0	30.0
746018	3.0	0.54	21.0	50.0
746019	40.0	1.08	13.0	49.0
746020	7.0	0.53	10.0	32.0
746021	56.0	0.36	8.0	30.0
7660094	76.0	1.42	32.0	580.0
7660095	210.0	1.16	11.0	90.0
7660096	120.0	1.81	11.0	56.0
7660097	15.0	1.39	18.0	290.0
7660098	52.0	1.42	19.0	200.0
7660099	3.0	0.21	24.0	28.0
7660100	<2.0	0.51	41.0	61.0
7660101	6.0	1.06	63.0	96.0
7660102	6.0	4.0	91.0	87.0
7660103	4.0	1.71	39.0	120.0

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WORK ORDER: 4259D-87
***** FINAL REPORT *****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
7660104	104.0	1.11	19.0	33.0
7660105	15.0	2.92	81.0	71.0
7660106	3.0	0.78	18.0	84.0
7660107	7.0	0.63	11.0	23.0
7660108	12.0	1.28	24.0	310.0
7660109	<2.0	0.45	22.0	28.0
7660110	<2.0	1.0	49.0	47.0
7660111	36.0	1.17	66.0	200.0
7660112	3.0	1.3	35.0	260.0
7660113	<2.0	0.97	34.0	71.0
7660114	3.0	1.27	19.0	265.0
7660115	<2.0	1.09	32.0	540.0
7660116	<2.0	0.61	16.0	41.0
7660117	<2.0	1.37	100.0	130.0
7660118	5.0	1.78	216.0	480.0
7660119	96.0	1.37	55.0	630.0
7660120	3.0	1.66	35.0	210.0
7660121	12.0	1.52	55.0	150.0
7660122	<2.0	4.8	491.0	240.0
7660123	8.0	0.61	18.0	21.0
7660124	3.0	0.75	39.0	54.0
7660125	6.0	1.4	19.0	31.0
7660126	8.0	1.23	16.0	31.0
7660127	7.0	1.06	35.0	18.0
7660128	<2.0	0.97	14.0	21.0
7660129	5.0	0.92	9.0	25.0
7660130	228.0	4.11	62.0	580.0
7660131	15.0	0.64	30.0	215.0
7660132	15.0	0.66	45.0	240.0
7660133	2.0	0.48	24.0	56.0

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WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
***** FINAL REPORT *****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
7660134	9.0	0.32	23.0	32.0
7660135	<2.0	0.46	80.0	245.0
7660136	<2.0	0.46	37.0	94.0
7660137	<2.0	0.92	58.0	84.0
7660138	<2.0	0.87	39.0	72.0
7660139	2.0	0.98	68.0	96.0
7660140	<2.0	0.48	30.0	78.0
7660141	2.0	0.58	36.0	92.0
7660142	<2.0	0.59	59.0	10.0
7660143	9.0	1.37	48.0	77.0
7660144	5.0	2.96	285.0	190.0
7660145	3.0	0.6	62.0	52.0
7660146	5.0	0.48	67.0	230.0
7660147	<2.0	0.21	23.0	92.0
7660148	2.0	0.36	20.0	37.0
7660149	<2.0	0.39	18.0	46.0
7660150	46.0	1.0	22.0	695.0
7660151	5.0	0.65	20.0	270.0
7660152	<2.0	0.66	11.0	98.0
7660153	<2.0	0.82	17.0	56.0
7660154	<2.0	0.52	14.0	43.0
7660155	2.0	0.76	31.0	87.0
7960068	360.0	0.93	57.0	380.0
7960069	240.0	6.2	73.0	660.0
7960070	420.0	6.6	74.0	1700.0
7960071	524.0	8.0	129.0	1650.0
7960072	726.0	1.87	61.0	115.0
7960073	52.0	1.64	30.0	50.0
7960074	50.0	1.7	9.0	14.0
7960075	52.0	0.61	7.0	94.0

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WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
7960076	2.0	2.81	38.0	64.0
7960077	<2.0	0.79	17.0	27.0
7960078	<2.0	1.84	23.0	20.0
7960079	<2.0	2.62	177.0	340.0
7960080	3.0	9.0	558.0	155.0
7960081	<2.0	2.0	67.0	550.0
7960082	<2.0	1.76	36.0	140.0
7960083	<2.0	1.61	57.0	300.0
7960084	30.0	1.39	124.0	875.0
7960085	<2.0	2.6	213.0	575.0
7960086	<2.0	1.17	23.0	115.0
7960087	<2.0	1.66	32.0	130.0
7960088	<2.0	0.2	22.0	43.0
7960089	<2.0	0.6	31.0	12.0
7960090	<2.0	0.4	28.0	28.0
7960091	<2.0	0.6	28.0	25.0
7960092	<2.0	0.02	17.0	13.0
7960093	<2.0	0.16	23.0	15.0
7960094	<2.0	0.24	36.0	16.0
7960095	<2.0	0.1	19.0	11.0
7960096	6.0	1.11	42.0	48.0
7960097	2.0	0.34	35.0	13.0
7960098	<2.0	0.58	54.0	34.0
7960099	<2.0	0.94	91.0	86.0
7960100	11.0	0.54	57.0	36.0
7960101	<2.0	0.48	67.0	70.0
7960102	4.0	1.2	93.0	85.0
7960103	2.0	1.78	105.0	73.0
7960104	<2.0	0.2	61.0	70.0
7960105	IS	IS	79.0	150.0

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WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	PB PPM	AS PPM
7960106	<2.0	0.13	61.0	11.0
7920070	200.0	10.0	NA	NA

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	SB PPM
746001	<5.0
746002	<5.0
746003	<5.0
746004	<5.0
746005	<5.0
746006	<5.0
746007	<5.0
746008	<5.0
746009	<5.0
746011	<5.0
746012	<5.0
746013	<5.0
746014	<5.0
746015	<5.0
746016	<5.0
746017	<5.0
746018	<5.0
746019	<5.0
746020	<5.0
746021	<5.0
7660094	<5.0
7660095	<5.0
7660096	<5.0
7660097	<5.0
7660098	<5.0
7660099	<5.0
7660100	<5.0
7660101	<5.0
7660102	<5.0
7660103	<5.0

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	SB PPM
7660104	<5.0
7660105	<5.0
7660106	<5.0
7660107	<5.0
7660108	<5.0
7660109	<5.0
7660110	<5.0
7660111	<5.0
7660112	<5.0
7660113	<5.0
7660114	<5.0
7660115	<5.0
7660116	<5.0
7660117	<5.0
7660118	<5.0
7660119	<5.0
7660120	<5.0
7660121	<5.0
7660122	<5.0
7660123	<5.0
7660124	<5.0
7660125	<5.0
7660126	<5.0
7660127	<5.0
7660128	<5.0
7660129	<5.0
7660130	<5.0
7660131	<5.0
7660132	<5.0
7660133	<5.0

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	SB PPM
7660134	<5.0
7660135	<5.0
7660136	<5.0
7660137	<5.0
7660138	<5.0
7660139	<5.0
7660140	<5.0
7660141	<5.0
7660142	<5.0
7660143	<5.0
7660144	<5.0
7660145	<5.0
7660146	<5.0
7660147	<5.0
7660148	<5.0
7660149	<5.0
7660150	<5.0
7660151	<5.0
7660152	<5.0
7660153	<5.0
7660154	<5.0
7660155	<5.0
7960068	<5.0
7960069	<5.0
7960070	<5.0
7960071	<5.0
7960072	<5.0
7960073	<5.0
7960074	<5.0
7960075	<5.0

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WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	SB PPM
7960076	<5.0
7960077	<5.0
7960078	<5.0
7960079	<5.0
7960080	<5.0
7960081	<5.0
7960082	<5.0
7960083	<5.0
7960084	<5.0
7960085	<5.0
7960086	<5.0
7960087	<5.0
7960088	<5.0
7960089	<5.0
7960090	<5.0
7960091	<5.0
7960092	<5.0
7960093	<5.0
7960094	<5.0
7960095	<5.0
7960096	<5.0
7960097	<5.0
7960098	<5.0
7960099	<5.0
7960100	<5.0
7960101	<5.0
7960102	<5.0
7960103	<5.0
7960104	<5.0
7960105	<5.0

092084

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.
4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

BARRINGER
Laboratories (NWT) Ltd.
P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

12-SEP-87
PAGE: 12 OF 14
COPY: 3 OF 4
C O P Y
PROJECT: EARL

AUTHORITY:T. GARAGAN

AURUM GEOLOGICAL CONSULT
C/O ECHO ANSWERING SERV.
207 ELLIOT ST.
WHITEHORSE, YUKON

ATTN: T. GARAGAN

WORK ORDER: 4259D-87
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	SB PPM
7960106	<5.0
7920070	<5.0

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
31+75N:50+75W	2.0	0.8
31+75N:51+00W	<2.0	0.86
31+75N:51+25W	7.0	0.92
31+75N:51+50W	2.0	1.09
31+75N:51+75W	3.0	0.56
31+95N:51+75W	5.0	0.55
32+00N:50+75W	2.0	0.46
32+00N:51+00W	<2.0	1.41
32+00N:51+25W	5.0	2.7
32+00N:51+50W	<2.0	0.4
32+05N:51+50W	<2.0	1.23
32+20N:51+25W	13.0	12.8
32+25N:50+75W	2.0	1.6
32+25N:51+00W	2.0	0.51
32+50N:50+75W	<2.0	0.34
32+50N:51+00W	3.0	4.0
32+65N:50+75W	3.0	0.72

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Trench

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.
4200B - 10 STREET N.E., CALGARY, ALBERTA, CANADA T2E 6K3
PHONE: (403) 250-1901

BARRINGER
Laboratories (NWT) Ltd.
P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
PHONE: (403) 920-4500

19-OCT-87
PAGE: 1 OF 2
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C O P Y
PROJECT: EARL

AUTHORITY:T. GARAGAN

AURUM GEOLOGICAL CONSULT
#4, 707 - 3 AVE N.W.
CALGARY, ALBERTA

WORK ORDER: 4388D-87

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
7962005	600.0	1.41
7962006	544.0	1.57
7962007	98.0	0.62

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AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July-August 1987 Project: EARL Claims Area: Mt.Skukum Page 1 of 5

Sample No.	Location	Description	Attitude	Width	Analytical Results	
					Au ppb *opt	Ag ppm
7-910024	near end of base-line SW	composite grab of vein,oxidized	120/30E	2.5m vein	<5	0.2
7-910028	52+90W/32+00N	bull qtz swell beside rhy dyke		2.4m chip	3	0.04
7-920014	near ridge between rhy dykes	slightly oxidizied bull qtz		20 by 30cm boulder	20	<0.1
7-920015	100m uphill fr BL 50+50W	large boulder of oxidized partly refractured qtz vein material		50 by 70cm boulder	<5	0.1
7-920016	near BL 50+00W	bull qtz,minor oxidation		20 by 30cm boulder	<5	0.1
7-920017	as above	rusty weathering,highly fractured bull qtz vein		40cm by 1m boulder	<5	<0.1
7-920059	50m NE of 50+25W/33+15N	rusty weathering limonite stained bull qtz		1m by 1m boulder	8	.07
7-920060	as above 5m uphill	as above trace pyrite		1m by 1m boulder	3	.04
7-920061	54+55W/30+75N	rusty weathering bull qtz		50 by 20 cm boulder	5	.02
7-920062	54+73W/31+10N	as above single boulder		30 by 30cm	5	.04
7-920063	53+05W/30+05N	repeated 6J42R white rusty qtz w/ 1-5% gn,py+?aspy		boulders 0.1 by 0.1m	*.1	*15.91
7-920064	52+90W/29+85N	as above		as above	*.07	*10
7-920065	49+15W/30+40N	orange white sugary qtz boulder		0.3 by 0.4m	46	4.36
7-920066	49+45W/30+55N	white locally rusty sugary clear qtz		boulder 1.5 by 0.5m	5	1.11
7-920067	49+65W/30+45N	rusty weathering clear white bull qtz		boulders 0.3 by 0.3m	3	.14
7-920068	52+95W/30+50N	as above		0.4 by 0.2 boulder	4	0.18

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AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July-August 1987 Project: EARL Claims Area: Mt.Skukum Page 2 of 5

Sample No.	Location	Description	Attitude	Width	Analytical Results	
					Au ppb * opt	Ag ppm
7-920069	54+60W/30+50N	white rusty bull qtz w/ tr aspy along seam + 3-4% py		boulders 0.1 by 0.1m	60	1.36
7-920070	50+70W/30+75N	white + rusty sugary qtz beside rhy dyke		boulders 0.4 by 0.1m	54	2.05
7-920071	51+30W/28+50N	white + rusty qtz cut by several graphite bearing microfractures w/ tr py + 2-5% Mn + 5% lim		boulders 0.2 by 0.1m	3	0.11
7-920072	51+40W/28+80N	as above		boulder 0.8 by 0.3m	3	0.15
7-920073	51+53W/29+00N	rusty weathering clear qtz w/ several microfractures		boulder 0.4 by 0.2m	2	0.13
7-920074	52+00W/29+10N	rusty bull qtz(milky) w/ abund lim bearing microfractures + tr py		boulder 0.2 by 0.2m	*.185	*103.0
7-920075	52+10W/29+35N	as above w/ tr 2-3% gn+py which occurs in seams // to the vein margins,gn +py are v.f.g.		boulders 0.2 by 0.2m	720	*2.085
7-610057	56+10W/29+45N	bull qtz comp. grab	145/35W	30cm vein	2	0.28
7-610058	56+85W/30+10N	as above		1m vein	12	0.45
7-610059	cirque wall	comp grab bull qtz vein,intense hem	050/?	1m vein	8	0.08
7-610060	as above	bull qtz vein tr graphite	130/65W	0.3m chip	13	0.32
7-620012	53+30W/31+10N	bull qtz slightly oxidizied microfractured		boulder 10 by 5cm	<5	<0.1
7-620013		as above		boulder 20 by 40cm	<5	<0.1
7-620014		as above			<5	0.1
7-620015	N slope of twist	bull qtz,comp grab		boulder 30 by 50cm	<5	0.1
7-620016	as above	qtz,highly oxidizied,vuggy, x-cut by thin qtz veinlets			<5	<0.1

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AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July-August 1987 Project: EARL Claims Area: Mt.Skukum

Sample No.	Location	Description	Attitude	Width	Analytical Results	
					Au ppb * opt	Ag ppm
7-620017	54+80W/30+50N	as above			<5	<0.1
7-620039	56+50W/30+15N	comp grab bull qtz,hematitized		boulder 1m by 0.5	2	<0.02
7-620040	55+50W/30+00N	as above, vuggy			11	<0.02
7-620041	55+22W/31+30N	as above			30	1.48
7-620042	54+95W/30+52N	as above			10	<0.02
7-620043	55+25W/30+25N	bull qtz,rusty weathering,tr graphite			122	1.33
7-620044	55+20W/30+15N	as above 10% graphite			306	4.85
7-620045	55+15W/30+20N	as above tr graphite			52	1.28
7-620046	55+40W/30+34	resample YE5J?12R,qtz stwk intense sericite alt.			3000	3.83
7-620047	55+40W/30+35N	bull qtz,rusty weathering, graphite present w/ tr gn partially vuggy			520	3.61
7-620048	55+80W/30+55N	bull qtz in rusty zone tr graphite			12	0.15
7-620049	55+81W/30+72N	intense hem staining of qtz tr py			230	<0.02
7-620050	56+20W/31+50N	large blocks of qtz, rusty weathering		boulder 1 by 0.5m	6	<0.02
7-620051	57+23W/32+95N	as above			4	<0.02
7-620052	56+75W/31+80N	as above		boulder 1m by 0.5m	6	<0.02
7-620053	56+35W/31+55N	white /grey qtz minor rusty weathering			4	<0.02
7-620054	55+00W/31+00N	as above near trench			8	<0.02
7-620055	55+35W/31+25N	qtz vein breccia,frags of metaseds rusty weathering			2800 *0.095	*0.48

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July-August 1987 Project: EARL Claims Area: Mt.Skukum Page 4 of 5

Sample No.	Location	Description	Attitude	Width	Analytical Results	
					Au ppb ± opt	Ag ppm
7-620056	55+40W/31+25N	beside YE6J7R as above			1800 ±0.05	±0.36
7-620057	55+20W/31+10N	qtz vein minor hematite staining			40	0.62
7-620058	55+05W/31+15N	as above			184	0.81
7-620059	55+10W/30+80N	as in #'s 620056-57			66	1.39
7-620060	55+39W/30+35N	qtz vein abund Mn + graphite			1100	8.48
7-620061	55+33W/30+30N	qtz vein w/ Mn + sericite alt slightly vuggy			152	1.7
7-620062	54+85W/29+95N	near trench #1,rusty weathering			3	0.29
7-620063	55+90W/29+95N	as above very friable-sheared			3	0.17
7-620064	54+78W/30+00N	as above tr graphite			720	2.77
7-620065	near creek E end of grid	large blocks of bull qtz in talus w/ rhy dyke float			7	0.41
7-910055	trench 87-1	sample across qtzite & qtz-biotite schist with minor qtz veining		chip 2m	184	0.28
7-910056	as above	as above		chip 2m	13	0.19
7-910057	as above	as above		chip 1m	10	.08
7-910058	Trench 87-2	sample across fault gauge phillite & 15cm of bull qtz vein		chip 2m	12	0.44

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: July-August 1987 Project: EARL Claims Area: Mt.Skukum Page 5 of 5

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb * opt	Ag ppm	As ppm	Pb ppm
7-910031	cliff N of grid	bull qtz w/ tr gn,aspy + 1-5% py	140/50E	0.4m	400	1.15	168	8
7-910032	as above	rusty weathering bull qtz vein	175/50E	0.8m	6	.02	12	2
7-920085	cliffs N of grid	composite grab,milky white qtz boulder w/ tr to 3% py		boulders 1 by 0.4m	12	0.81	104	2.0
7-920086	as above	bull white qtz w/ up to 5% diss + seams of gn w/ tr aspy,py +sp		boulders 5 or 6, 0.1 by 0.3m	10	2.38	144	335
7-610061	ridge N of grid	bull qtz vein-qtz sweat	150/45E	1m chip	2	<.02	12	<1
7-610062	as above	as above	as above	0.5m chip	2	0.06	12	<1
7-620063	as above	as above	as above	0.5m chip	3	<.02	10	<1
7-610064	as above	as above	as above	1.0m chip	3	<.02	8	<1
7-610065	N slope of ridge	bull qtz vein // to rhy dyke at contact,below soil 7660101	150/50E	0.5m chip	4	<.02	8	<1
7-610066	N slope of claims	white bull qtz vein occurring in rhy dyke,hem stained	160/60N	1m chip	3	.11	280	23
7-610067	as above	as above	as above	as above	2	.03	24	3
7-610068	as above	as above	as above	as above	3	.03	48	5
7-610069	as above	as above	as above	as above	5	<.02	12	<1
7-620071	N slope of the claims	comp grab of float below veining tr py		boulder 1 by 5m	13	.38	2375	4
7-620072	as above	comp grab of bull qtz,rusty weathering tr py			20	.13	540	7

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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 caused to be performed the work described in 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 9 years, of which 6 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 1000 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 20th day of January 1988.

Thomas Garagan, B.Sc., FGAC

APPENDIX C
STATEMENT OF COSTS

APPENDIX C

EARL 15 CLAIM TRENCHING
STATEMENT OF COSTS

1. Labour:

T.Garagan: project supervision, mapping and sampling trenches, report preparation. October 11, November 10, December 14.
3 days @ $225/day $ 675.00

2. Trenching & Site Preparation:

October 9 to 11,1987: M.J.Moreau Enterprises Ltd. Invoice to Aurum Geological Consultants Inc.

3 days @ $800/day	$ 2,400.00	
plus blasting suplies	441.67	
Total Cost:Trenching & Site Preparation	2,841.67	$ 2,841.67

3. Helicopter:

Crowsnest Air Ltd. of Whitehorse, Y.T.
October 9 to 11, 1987; daily setouts for blasting crews and gear.

Total: 5.2 hrs @ $500/hr	$ 2,600.00	
5.2 hrs fuel @$.65 lt @$114 lt/hr	385.32	
5.2 hrs oil @$2.60/hr	13.52	
Total Helicopter costs for trenching :	2,998.84	$ 2,998.84

4. Geochemistry:

Total of 3 soil samples and 4 rock samples analysed for gold and silver by Barringer Magenta of Calgary, Alberta.

3 soil samples for Au-Ag @ 10.50/sample	31.50	
4 rock samples for Au-Ag @ 13.65/sample	54.60	
Total Geochemistry costs for trenching:	96.10	$ 96.10

5. Camp Costs:

Billed to Pacific Trans-Ocean Resources Ltd by Aurum
T.Garagan 1 manday @ $50/day $ 50.00

TOTAL COSTS OF TRENCHING FOR EARL 15 CLAIM $ 6,661.61