MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.:	092628
	PROSPECTUS		MINING DISTRICT:	Whitehorse
	CONFIDENTIAL	X	TYPE OF WORK:	Geological, geochemical
105 D 3,6	OPEN FILE			

REPORT FILED UNDER: Aurum Geological Consultants Inc.

DATE PERFORMED: 8 June-1 September, 1988 DATE FILED: 28 December, 1988

LOCATION: LAT.: 60 16'N AREA: Wheaton River

LONG.: 135 26'W VALUE $: 13 500.00

CLAIM NAME & NO.: WAT 1-27 (YB07713-39)

WORK DONE BY: T. Garagan

WORK DONE FOR: Aurum Geological Consultants Inc.

DATE TO GOOD STANDING		REMARKS: #228 SAID
		In 1988 two new epithermal vein showings, the WAT and the
		0.2, were discovered. Bulldozer trenching of the NORTHEAST zone
		exposed a 1 m wide quartz vein containing up to 1240 ppb Au and
		5.45 ppm Ag.

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

RECEIVED
DEC 28 1988
MINING
RECORDERS OFFICE
WHITEHORSE, Y.T.

REPORT ON THE 1988 EXPLORATION ACTIVITIES on the SAID-THE CLAIMS

Part A

Includes
GEOLOGICAL AND GEOCHEMICAL ASSESSMENT WORK
on the WAT 1-27 CLAIMS (YB07713-739)
June 8 to September 1, 1988

Whitehorse Mining District

Location: 1. Wheaton River Area
2. NTS 105D/6 and D/3
3. Latitude: 60° 16'N
Longitude: 135° 26' W

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

By:
TOM GARAGAN; B.Sc., FGAC
Aurum Geological Consultants INC.
604-675 West Hastings Street,
Vancouver,B.C.,V6B 1N2

November 27, 1988

092628

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 13,500.00.



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

85 NE 90

SUMMARY

The SAID-THE-WAT claim group consists of 186 continguous mineral claims (including 65 fractional claims) located in the Wheaton River area, Yukon Territory. The property is located 50 kilometers southwest of Whitehorse and 6 kilometers north of the past producing Mt. Skukum gold-silver mine (closed 1988). Access to the property is via a 4 wheel drive road.

Exploration during the 1988 field season consisted of diamond drilling (813.3 meters BQ, NQ and HQ in 8 holes), bulldozer trenching, road building, drill pad construction, geochemical sampling, VLF-EM and magnetometer surveying, geological mapping, prospecting, claim surveying and additional claim staking. Work was carried out between June 8 and September 1, 1988.

The claims are underlain by Tertiary Mt. Skukum Group rhyolite, dacite and andesite, and are cut by a northeast trending fault with associated north-south trending splay faults. Several zones of epithermal style quartz veining are located on these structures. Two of these zones; the Far SW and the Northeast Zones, contain precious metal values up to 19 g/t gold and 24.4 g/t silver across 2 meters in a chip sample and 3000 ppb gold and 16 ppm silver in a grab sample. The Far SW Zone occurs close to the southern (?) property boundary, legal claim surveying has shown that the best (65 meters) of the vein is actually on the adjoining ground.

Diamond drilling completed in 1988 totalled 572.2 meters in 7 holes at the Far SW Zone, and 238.1 meters in one hole at the Northeast Zone. Only 3 of 8 holes were completed. Structures intersected were one to 5 meters wide and comprised of predominantly gouge with 5 to 20% quartz veining. The best intersection occurred in the Far SW Zone and consisted of 56 ppb gold and 111 g/t silver over 3.05 meters.

Prospecting and geological mapping on the remainder of the structures extended known areas of mineralization and located several new zones. The Flat zone was extended to 1 kilometer in strike length with precious metal values up to 1360 ppb gold and 6.3 ppm silver in float. The Creek vein was defined in float and subcrop for 50 meters and contained up to 660 ppb gold and 20.2 ppm silver. A 200 meter long zone of precious metal bearing quartz vein float found on the WAT claims contained up to 1600 ppb gold and 7.6 ppm silver. A 100 meter zone of quartz float in a nearby splay fault contained up to 1950 ppb gold and 4.5 ppm silver. Float samples with unknown sources on the WAT grid contain up to 2800 ppb gold and 14 ppm silver.

Despite poor drill results on the Far SW Zone and Northeast Zone, the property has several other zones with good potential for locating an epithermal precious metal deposit. More exploration is warranted on the Creek vein, Flat Zone and WAT claims, and a program of bulldozer and backhoe trenching is recommended for the 1989 season at the total cost of $120,000.

TABLE OF CONTENTS

	Page # A
SUMMARY	i
TABLE OF CONTENTS	iii
INTRODUCTION	1
LOCATION and ACCESS	1
CLIMATE, TOPOGRAPHY and VEGETATION	1
CLAIM STATUS	4
HISTORY	4
REGIONAL GEOLOGY	5
PROPERTY GEOLOGY	6
MINERALIZATION and ALTERATION	8
EXPLORATION	9
Introduction	9
Far SW Zone	10
Introduction	10
Soil and Rock Geochemistry	10
Drilling	10
Northeast Zone	14
Introduction	14
Trenching	14
Drilling	15
Flat Zone (Northwest end of SW Zone)	15
Creek Zone	16
WAT Claims	16
Other Zones	17
CONCLUSIONS and RECOMMENDATIONS	28
REFERENCES	31

List of Tables

		Page # A
Table I	Summary Logs: Far SW Zone Drilling	18
Table II	Summary Log: Northeast Zone Drilling	26

List of Figures

	Scale	
Figure 1. Location	1:1,000,000	2
Figure 2a. Claim Location	1:30,000	3
Figure 2b. Claim Map	1:10,000	pocket B
Figure 3. Geology and Rock Geochemistry	1:10,000	pocket
Figure 4. Soil (Talus fines) Geochemistry	1:10,000	pocket
Figure 5. L5N to L23N Geology	1:2,500	pocket
Figure 6. L23N to L31N Geology	1:2,500	pocket
Figure 7. L31N to L40N Geology	1:2,500	pocket
Figure 8. Far SW Zone Geology & Rock Geochemistry	1:1,000	pocket
Figure 9. NE Zone Geology & Rock Geochemistry	1:200	pocket
Figure 10. L5N to L23N Rock Geochemistry	1:2,500	pocket
Figure 11. L31N to L40N Rock Geochemistry	1:2,500	pocket
Figure 12. L31N to L40N Soil Geochemistry	1:2,500	pocket
Figure 13a. Far SW Zone Cross Section 0+55S -292°	1:500	pocket
Figure 13b. Far SW Zone Cross Section 0+55S -332°	1:500	pocket
Figure 14a. Far SW Zone Cross Section 1+77S -324°	1:500	pocket
Figure 14b. Far SW Zone Cross Section 1+77S -358°	1:500	pocket
Figure 15. NE Zone Cross Section	1:500	pocket

List of Appendices

Appendix A: Analytical Methods, Results and Sample Descriptions
Appendix B: Drill Logs
Appendix C: Statement of Qualifications
Appendix D: Statement of Costs

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 SAID-THE-WAT claims between June 8 and September 1, 1988. Exploration was carried out under the supervision of Aurum Geological Consultants Inc. and consisted of diamond drilling, bulldozer trenching, road building, drill pad construction, geochemical sampling, VLF-EM and magnetometer surveys, geological mapping, prospecting, claim surveying and the staking of 55 fractional and 10 full mineral claims. Geophysical results are described in a separate report by R. Tykajlo of Pacific Trans-Ocean Resources Ltd.

LOCATION and ACCESS

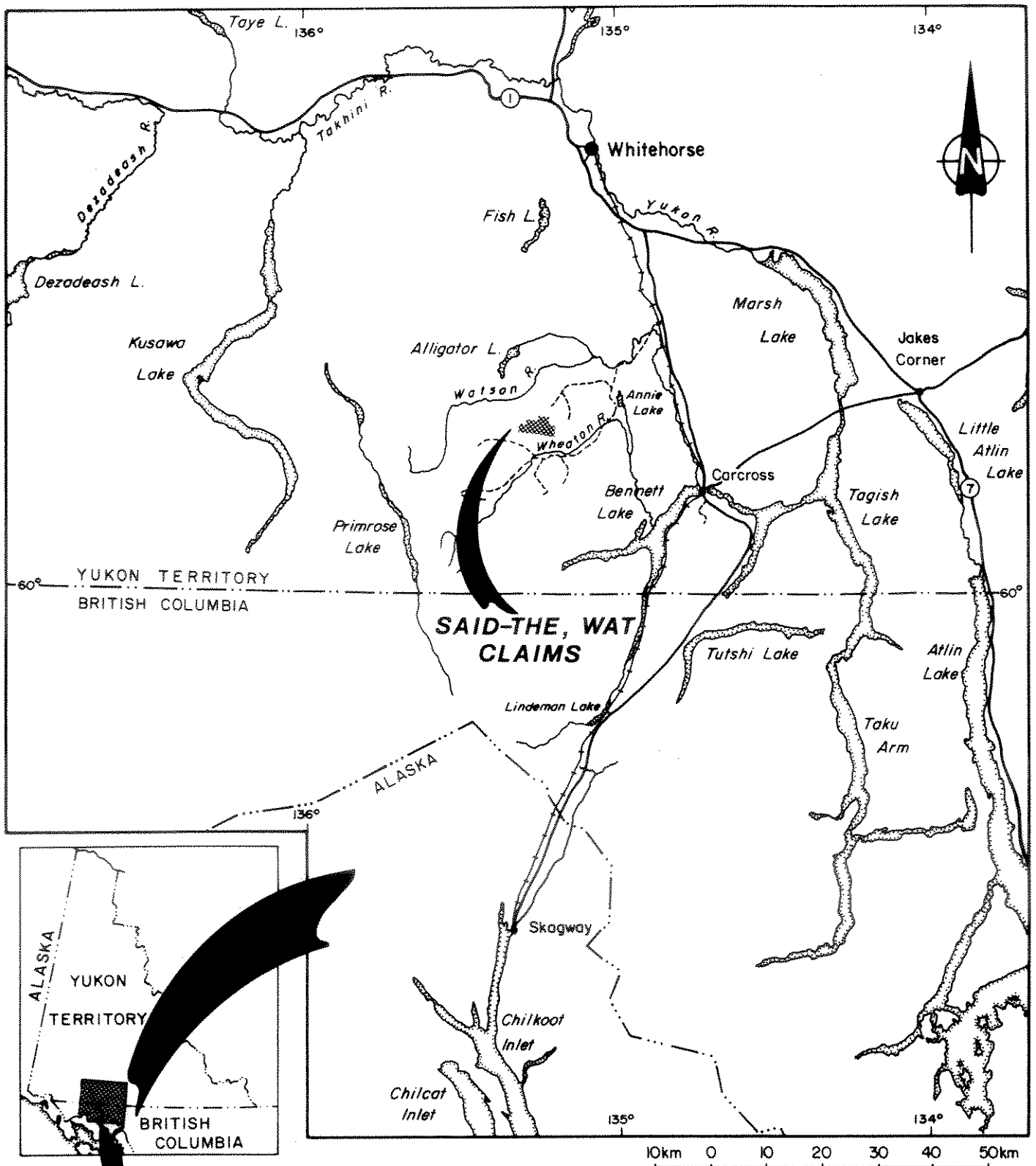
The SAID-THE-WAT claims are located approximately 50 kilometers southwest of Whitehorse, Yukon. The property is located 6 kilometers north of the Mt. Skukum gold-silver deposit at 60° 16'N latitude and 135° 26'W longitude (Figure 1). The property is located at the headwaters of Summit and Towle creeks between the Wheaton and Watson Rivers.

Access to the Wheaton River district is via the 40 kilometer long all weather Annie Lake road from the Klondike highway to Omni Resources' Skukum Creek property. An 8 kilometer long tote road built in 1987, and upgraded in 1988, leads from the Mt. Skukum Gold Corporation millsite up Summit and Towle Creeks through the central part of the SAID-THE claims to the southwest corner of the claim group. The road is limited to four wheel drive access. Access to the remainder of the property is via helicopter from Whitehorse. A Bell 206 helicopter was based in camp at Towle Creek during the 1988 diamond drilling program.

CLIMATE, TOPOGRAPHY and VEGETATION

The climate in the Wheaton River area is variable, with warm summers and long, cold winters. Precipitation is light (approximately 40 cm annually), with moderate snowfalls 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 June through to mid September.

Topography of the claims is rugged with most of the property consisting of steep cliffs and talus covered slopes. A rock covered plateau occurs on the northeast side of the SAID claims. The northernmost parts of the property are gentle slopes facing the Watson River. Elevations vary between 1450 meters (4760') in



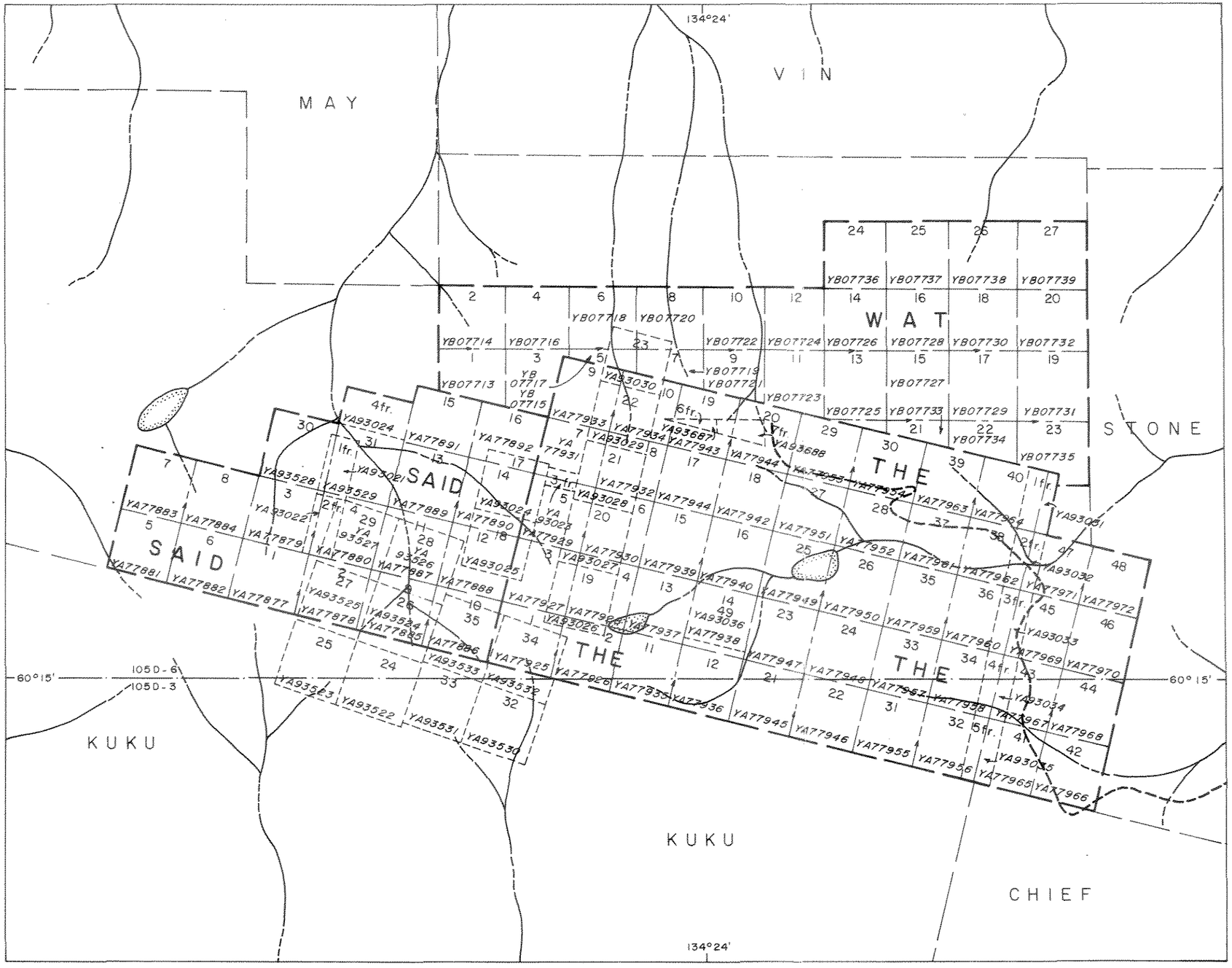
PACIFIC TRANS-OCEAN RESOURCES LTD.

SAID-THE, WAT CLAIMS

LOCATION

Aurum Geological Consultants Inc.

Drawn by NH | Scale 1:1,000,000 | FIGURE : 1



LEGEND

42 — claim boundary
claim number
YA77966 — tag number

4WD trail

creek, lake

Note: adapted from D.I.A.N.D. map sheets 105 D-3 & 6

1km 0 1m

SCALE IN METRES

PACIFIC TRANS-OCEAN RESOURCES LTD.			
SAID - THE, WAT CLAIMS			
CLAIM MAP			
Aurum Geological Consultants Inc.	NOVEMBER, 1988		
NTS 105D/3&6	DRAWN BY NH	SCALE 1:31,680	FIGURE: 2a

Summit Creek Pass to 2244 meters (7360') on SAID 34. Many of the cirques contain alpine lakes and the north facing cirques contain small glaciers and some permanent snow.

Most of the property is vegetation free with alpine grasses, alders and willows occurring at lower elevations.

CLAIM STATUS

The SAID-THE-WAT claim group consists of 186 contiguous mineral claims (including 65 fractional claims) located on 105D 6 and D/3 maps of the Whitehorse Mining District (Figure 2a). Fifty-five fractional and 10 complete mineral claims were added during the 1988 season, following a claim survey by Underhill and Underhill of Whitehorse. The surveyed map is given in Figure 2b.

Claim name	Grant Number	Expiry Dates
SAID 1	YA77877	23 January, 1999 *
SAID 2-15	YA77878-891	28 January, 1999 *
SAID 16	YA77892	28 January, 1995
SAID 17-23	YA93024-030	28 January, 1995 *
SAID 24-35	YA93522-533	12 September, 1999 *
SAID 1&3 Fr	YA93021,93023	28 January, 1999 *
SAID 4 Fr	YA93534	12 September, 1995 *
THE 1-48	YA77925-972	28 January, 1995 *
THE 49	YA93036	28 January, 1995 *
THE 1-5 Fr	YA93031-035	28 January, 1995 *
THE 6-7 Fr	YA93687-688	29 January, 1991
WAT 1-27	YB07713-739	28 August, 1993 *
PLUS 10-18 Fr	not available	25 August, 1989
PLUS 20-39 Fr	not available	25 August, 1989
PLUS 41-54Fr	not available	25 August, 1989
PLUS 56-65Fr	not available	25 August, 1989
PLUS 101-111	not available	25 August, 1989
PLUS 40,55Fr	not available	14 October, 1989

* subject to approval of 1988 assessment work

The claims are owned by AGIP Resources Ltd. in a 50/50 joint venture with Pacific Trans-Ocean Resources Ltd. Pacific Trans-Ocean Resources Ltd. is the operator.

HISTORY

The first recorded mineral exploration in the Wheaton River 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. Exploration resumed in 1905 with the discovery of silver-gold bearing veins on Montana Mountain and the discovery of free gold and tellurides on Gold Hill in 1906 (Cairnes, 1912). Exploration, development and some mining has continued intermittently since then.

Exploration activity has increased in recent years with the temporary opening of the Venus gold-silver mine by United Keno Hill Mines in 1980-1981 and the discovery of the Mt. Skukum gold deposit in 1981-1983 (164,000 tons at 0.73 oz/ton gold and 0.63 oz/ton silver: Total-Erickson 1985 Annual Report) by AGIP Canada Ltd. Mining of the Mt. Skukum deposit commenced in the spring of 1986 at the rate of 300 tons per day. Mining and milling operations were suspended in August, 1988 due to depletion of ore reserves. Omni Resources' Skukum Creek Au-Ag deposit was discovered in 1985 and production is scheduled to begin in March 1988. Published proven reserves are 821,000 tons of 0.225 opt gold and 8.96 opt silver (Canadian Mines Handbook, 1988-89).

The SAID and THE claims were staked by AGIP Canada Ltd. in 1983 and optioned to Kerr Addison Mines Ltd. of Vancouver in late 1984. Exploration in 1985 and 1986 consisted of geological mapping, geochemical sampling, some geophysics, staking of additional claims, trenching and blasting and the drilling of 9 short diamond drill holes (BQ) totalling 904.9 meters. Kerr Addison dropped their option at the end of 1986. Pacific Trans-Ocean Resources Ltd. optioned the claims in 1987 and carried out a program of geological mapping, geochemical sampling, geophysics, road building, trenching, and drill site preparation. The WAT claims were staked in August 1987. A chip sample collected from the Far SW zone in 1987 contained 19 g/t gold and 24.4 g/t silver over 2 meters.

In 1988, Pacific Trans-Ocean Resources Ltd. carried out the program described in this report.

REGIONAL GEOLOGY

The SAID-THE-WAT claims are located on the northeast side of the Tertiary Mt. Skukum volcanic complex, situated near the eastern margin of the Coast Plutonic Complex. The regional geology has been well described by Cairnes (1912), Wheeler (1961) Lambert (1974), and Doherty et al (1988).

The Coast Plutonic Complex consists of Jurassic to Cretaceous 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 gneisses of the late PreCambrian to Early Paleozoic Yukon Group.

Subaerial rhyolite, dacite and andesite flows and pyroclastics of the Tertiary Skukum Group unconformably overlie all older units in the region. The Skukum Group occurs mainly in two isolated areas; Mt. Skukum and Bennett Lake. These two areas have been interpreted to represent paleovolcanic centers (Lambert, 1974 and Pride, 1985). The SAID, THE and WAT claims are located at the northeast corner of the Mt. Skukum volcanic complex. Late stage rhyolite, dacite and andesite dykes cut all other rock units in the region.

The regional structural trend is northwest. This is cut by younger Tertiary structures.

PROPERTY GEOLOGY

The property is underlain by Tertiary Skukum rhyolite to dacite tuffs, welded tuffs and flows and andesite tuffs and flows which unconformably overlie Cretaceous granodiorite to diorite. Numerous rhyolite, andesite and dacite dykes cut all units on the property. The volcanics are intruded by a large quartz-feldspar porphyritic alaskite to rhyolite (at margins) plug on the southeast side of the claims. The rhyolite dykes on the property may be related to this plug. All the units are cut by a northeast trending, southeast dipping (approx 70°) fault (Main structure) which extends for at least 4.5 kilometers. Several north-south and northwest trending faults are associated with this structure. All of the property has been mapped at 1:10,000 scale and parts of the property were mapped at 1:200 to 1:2,500. The geology is plotted in Figures 3 and 5 to 9 and is modified after Garagan (1987).

Cretaceous granodiorite to diorite is exposed adjacent to major faults on the northeast end of the property between lines 26N and 32N and at lower elevations on the northwest side of the claims (Figure 3). A diorite (assumed to be Cretaceous) is also exposed between L37N and 39N/1+50E to 2+50E. The granodiorite to diorite contains 10%-15% medium grained hornblende in a medium to coarse grained equigranular matrix. Several small outcrops of amphibolite located between L30N and L32N, along the Main structure, may be part of the Yukon Group and could represent large blocks caught in the fault zone, or large xenoliths within the granodiorite.

The volcanics on most of the property can be divided into a lower rhyolite tuff and bedded tuff package, a middle dacite tuff and epiclastic unit, and an upper andesite flow and tuff package. Dark andesite flows, flow breccias and tuffs underlie the rhyolites on the northeast side of the WAT grid. The volcanics are similar to the upper andesites and those hosting the Mt.

Skukum deposit. The lower andesites are not seen on any other part of the claims. This lower andesite is slightly more mafic than the upper andesite and is not as orange weathering.

The lower rhyolite tuff and welded tuff package unconformably overlies the granodiorite and occurs throughout most of the property. This unit consists of a lower purple ash flow tuff and welded tuff package with abundant granodiorite clasts and an upper welded tuff, ash tuff and rhyolite flow and flow breccia package. The ashflow tuffs consist of a massive matrix dominated lithic lapilli tuff with approximately 30% lapilli to locally block size fragments of rhyolite, welded tuff, lithic lapilli tuff and granodiorite with occasional feldspar and quartz crystal fragments. The granodiorite clasts increase in size and abundance lower in the unit and locally occupy 30% of the rock near the basement. The lower welded tuff is dark purple and is moderately to densely welded (often glassy) with 5-10% clasts of welded tuff, rhyolite and granodiorite and 1-5% broken feldspar and rare quartz crystals. The welded tuff is interbedded and interfingered with the ash flow tuffs. The upper rhyolite consists of a dark purple to pink welded tuff overlain (?) by a platy rhyolite ash tuff and a series of maroon, grey and tan rhyolite flows and breccias. These units appear to be thickest in the central part of the claims and are very thin to absent in the rest of the property.

The dacite tuff package is a light brown to green and locally dark purple bedded tuff package which forms a very thick unit on the west half of the claims. The tuffs thin rapidly to the east and are absent on the eastern side of the property. They dip 20° to 50° west (usually 20° to 30°) and conformably overlie rhyolite ash flow tuffs and flows in the central part of the claims (Figure 5). It is in fault contact (Glacier Zone fault) with rhyolite ash flow and welded tuffs southwest of the main grid. The unit is comprised of a lower very thin clast dominated (75% clasts) lithic lapilli tuff which is overlain by a very thick package of bedded ash and lapilli tuffs with minor welded tuffs and andesites. The bedded unit contains very well bedded interbeds of fine grained epiclastic sediments which exhibit graded bedding and load textures. This dacite tuff can be found throughout the Mt. Skukum caldera (Pride, 1985).

The dacite tuff package is overlain by an upper unit of dark grey to green weathering orange brown, series of thick andesite and dacite flows and tuffs. These andesites are exposed in fault blocks in the central and eastern parts of the claims. They are massive with some interbedded flow breccias and contain 5 to 15% medium grained feldspar phenocrysts. Massive andesites are often columnar jointed. Some interbedded lapilli and ash tuffs occur in the northeast side of the claims where they overlie the lower

rhyolite package. These andesites are similar to those which host the Mt. Skukum gold-silver deposit.

Several northeast to north-south trending light brown platy weathering rhyolite dykes cut all units on the property. The dykes are between 0.5 and 5 meters wide and usually dip steeply southeastward. The dykes tend to follow the major fault zones on the property. A few andesite and dacite dykes cut the lower rhyolite and middle dacite package. These dykes are cut by the later faults and may represent feeders to the upper andesite and dacite flows.

A large quartz-feldspar porphyritic alaskite plug intrudes the volcanics on the southeast part of the claims. The margins of the intrusion are very fine grained and are texturally similar to the rhyolite dykes. Many of the rhyolite dykes are probably related to this plug.

All the units on the property are cut by a northeast trending southeast dipping fault (Main structure) which extends for at least 4.5 kilometers through the center of the claims. According to Doherty (pers comm, 1987), the fault extends an additional 10 kilometers to the northeast. The Main structure consists of 1 to 3 parallel faults with individual fault zones up to 15 meters wide. Several north-south and northwest trending splay faults are related to this structure. Many of these associated faults are block faults, possibly related to the emplacement of the large alaskite plug. The Glacier zone faults (Figure 3) appear to extend south towards the Cirque and Lake zone structures; which host the Mt. Skukum gold-silver deposit. The relative movement on all the faults is vertical and is highly variable from block to block. Several faults located on the northwest side of the claims are parallel to the main structure.

Many of the faults on the property host quartz chalcedony veining and breccia zones.

MINERALIZATION and ALTERATION

Mineralization at most of the zones on the SAID-THE claims has been described in last year's report (Garagan, 1987). Brief descriptions of these zones are given under EXPLORATION. Two new zones and mineralization were found in 1988; the 0.2 zone and the WAT mineralization.

The 0.2 zone is located on the cliffs at the head of Towle creek. This zone was dicovered by Total Erickson personnel and was shown to Pacific Trans-Ocean near the end of the 1988 season.

The zone consists of numerous cockscomb and chalcedonic quartz veinlets within a 1 meter wide 020° trending shear zone. A grab sample collected by Total Erickson contained 0.25 (?) opt gold (Basnett, Total Erickson geologist; pers comm.). No samples were collected during the 1988 program.

Quartz vein float material with fluorite cast and calcite replacement textures similar to that found in the Central and Northeast zone is found along the Main structure and secondary splay structures on the WAT claims. The Main structure can be traced from the NE zone onto the WAT claims through L31+25N/2+20E to L39+75N/5+60E. The structure trends 065° to 070° and is exposed as areas of bleached, clay-rich soil and local quartz vein float. Subcrop and talus of gossanous tuff with attendant quartz vein float parallels the Main structure. Permanent snow obscures some of the structure in the northeast. Cockade and banded quartz in float located at L37+50N/6+75E and L30+25N/6+75E suggests a secondary structure south of the Main structure. A zone of several small splays trend 020° to 030° north of the Main structure from L31+25N/1+00E to L34+25N/0+00. A second major splay zone trends 020° to 030° northeast from the Main structure at L36+00N/4+00E. Quartz float from this splay contains up to 1950 ppb gold and 4.5 ppm silver. The splay faults are suggested by clay rich soil, quartz vein float and topographic linears.

EXPLORATION

Introduction

Exploration on the SAID-THE-WAT claims in 1988 consisted of diamond drilling (813.3 meters, BQ, NQ, HQ core), geological mapping (mainly WAT claims), prospecting, grid establishment, soil and rock geochemistry, VLF-EM and magnetometer surveys, claim surveying, staking, trenching, drill site preparation and road building.

The main grid was extended from 31+00N to L40+00N to cover the WAT claims in the northeast. The extension is picketed and slope corrected with wing lines and stations at 25 meter intervals. The grid extension composes 28.4 line kilometers with wing lines ranging in length from 100 meters to 1000 meters.

A total of 1384 soil samples, 217 rock samples, 81 trench channel samples, and 215 drill core samples were collected during the 1988 season. All samples were analysed for gold and silver; selected samples were also analysed for Cu, Pb, Zn, As, Sb, Mn and Fe. Analyses were carried out by Barringer-Magenta Laboratories of Calgary and Bondar-Clegg and Company Ltd. of Vancouver.

Analytical methods, results and rock sample descriptions are given in Appendix A and the sample locations and results are plotted in Figures 3, 4, 8 to 15.

Far SW Zone

Introduction

A rock sample collected from the Far SW zone in 1987 contained 19 g/t gold and 24.4 g/t silver over 2 meters. Exploration in 1988 has included claim surveying, drill site preparation, soil and rock sampling and the drilling of 575.2 meters of HQ and NQ core.

Preliminary surveying of the property included a detailed survey of the Far SW zone and the location of the claim boundary in the immediate area. Approximately 65 meters of the Main structure in the FAR SW Zone is within Total Erickson's KUKU 95 claim (Figure 8); from approximately L2+18S to L2+85S on the baseline. As a result, the drill program was modified and a third drill pad was constructed equidistant between drill pads #1 and #2 (1987) at approximately L1+98S/0+76E.

A tote road was extended from the NE zone to the Far SW Zone baseline to aid in support of the drill. The poor condition of the road never allowed reliable access to this area.

Soil and Rock Geochemistry

A total of 42 soil samples and 2 rock samples were collected along the Far SW Zone structure. Soil samples were collected at 25m to 30m intervals.

A soil sample collected near trench 87-3 contained 920 ppb gold and 2.44 ppm silver. Samples collected near trenches 87-1 and 87-2 contained 8 ppb gold and 2.15 ppm silver and 3 ppb gold and 0.9 ppm silver respectively. The remaining samples were only locally anomalous with values up to 11 ppb gold and 2.35 ppm silver (175 meters south of Trench 87-3). Two rock samples of quartz calcite vein material in drill pad #2 contained background precious metal values.

Drilling

A total of 575.2 meters (1887.1 ft) was drilled in the Far SW Zone. Drill holes 88-1 to 3 were drilled on drill pad #2 to test the north end of the Far SW Zone where the Main structure is separated into at least 3 distinct zones of veining (Figure 8). The best surface value was 256 ppb gold in a grab sample taken in 1987 (Garagan, 1987). Drill holes 4 to 7 was drilled from a

drill pad located 10 meters inside the KUKU 95 claim. The target area is the downdip extension of the Main structure near the SAID 9, KUKU 95 claim boundary. The holes were drilled 15 to 20 meters west of Trench 87-1 (3.2 g/t gold, 9.3 g/t silver over 2 meters and 9.9 g/t gold and 15.1 g/t silver in a grab sample; Garagan, 1987). A total of 181 drill core samples were collected from 5 holes on the Far SW Zone. Each sample was split from whole core. One half was retained on the property, the second was submitted to Barringer-Magenta Labs of Calgary for gold and silver geochemical analyses. All veined intervals, fault gouge intervals and intervals of advanced hydrothermal alteration were sampled. Weighted averages of results from drill core samples of major structure intersections are plotted on the cross sections in Figures 13a to 14b. A complete record of drill core samples and results is included with the drill logs in Appendix C. Summary logs are presented in Table 1 and the drill locations are given in Figure 8.

DDH 88-01 (Drill Pad #2, Az 323°/-78°) was drilled to a length of 61.6 meters (202.1 ft) (95% recovery) before the hole was abandoned with rods broken at a depth of 30.5 meters (100 ft). Lithologies intersected include rhyolite crystal lapilli tuff, rhyodacite crystal tuff and crystal lapilli tuff and rhyolite welded lithic lapilli tuff. Numerous minor structures intersected are typified by clay gouge comprising 20 to 30% of the interval (average width 10 to 40 cm) with the remainder of the structure interval consisting of altered rock fragments. Alteration includes argillization of plagioclase, ash tuff matrix and lithic fragments, silicification of groundmass and alteration of mafic minerals to chlorite and hematite. It is most intense adjacent to shears and gouge intervals and the alteration envelopes may extend for up to 30cm on either side.

Ten percent quartz ($\pm$ calcite) veining occurs in two main zones; associated with gouge from 14.9 - 15.54 and with several gouge and narrow vein zones from 33.9 to 39.32 and from 45.45 to 46.25. Vein material is typically cockade milky to clear quartz (with some calcite) with characteristic low temperature and pressure textures such as finely banded chalcedonic quartz. In places, quartz is lamellar or platey suggesting replacement of calcite. Fluorite casts are also present. Two mildly enriched samples (76.0 ppb gold/0.46 ppm silver; 34.44 to 35.47 and 44.0 ppb gold/0.40 ppm silver; 45.45 to 46.25) are of quartz vein material associated with clay gouge intervals.

Predominant orientation of the fault and vein structures are either at low angles (1° to 10°) or moderate angles (55°to 65°) to the core axis. These orientations together with structural measurements from surface give dips of 55° to 60° to the southeast.

DDH 88-02 (Drill pad #2, Az 292°/-74°) was abandoned at a length of 32.6 meters (107 ft). Lithologies, structures and alterations are similar to those in DDH 88-01. Structures can be traced between the two holes indicating a 55° to 65° dip to the southeast. Nine samples collected from DDH 88-02 contained no enrichment in gold or silver.

DDH 88-03 (Drill pad #2, Az 292°/-80°) was drilled to a length of 138.7 meters (455 ft). This hole was the first to intersect successfully a major structure, thought to be the northern splay off the main Far SW Zone structure. Lithologies intersected in the hole are similar to that in DDH 88-01 to a depth of 60 meters. Interbedded rhyolite ash, crystal and lapilli bedded tuff cut by prominant andesite to dacite dyke were intersected from 60 meters to the end of the hole. The dyke cuts rhyolite lapilli and welded tuff from 120.2 to 126.6 meters. The rock is extensively altered between 65 and 120 meters and the rhyolite crystal lapilli $\pm$ welded tuff is cut by numerous small shears containing clay gouge and altered rock fragments. Wallrock alteration consists of pervasive argillization with patches of mottled oxidized lapilli tuff with iron oxide staining. Feldspars and tuff fragments are intensely altered to a combination of sericite and clay. Five to 10% quartz stockwork and veinlets occurs from 25.15 to 26.5 meters and 1% milky white quartz stockwork and veinlets was intersected from 47.7 to 54.4 meters. One to locally 5% quartz veining occurs from 68.95 to 73.21 and moderate quartz jasper brecciation (20%) occurs from 80.5 to 88.7 meters. Carbonate coating of fractures is prominant from 120.0 meters to 126.6 meters. Silcified fractured and quartz veined tuff occurs from 126.6 to 129.1 meters.

Intervals of quartz veining exhibiting low temperature textures (cockade to chalcedonic banded quartz) occurs from 126.6 to 126.9 meters, 128.0 to 128.15 meters and 128.3 to 128.5 meters. The veining consists of very fine grained light grey quartz with fine grained predominantly milky quartz. Unaltered rhyolite welded tuff was intersected from 129.1 to 138.68 meters at the end of the hole.

Several zones of precious metal enrichment occur within 88-3. A zone with 10% quartz veining from 26.9 to 27.0 meters contains 116 ppb gold and 0.35 ppm silver. Minor quartz veining from 51.0 to 51.45 contains 82 ppb gold and 0.46 ppm silver. Three consecutive samples of 5% quartz veining from 69.9 to 71.62 contain between 31 and 51 ppb gold and 0.5 and 1.4 ppm silver. Veining and gouge from 72.6 to 73.21 meters contains 37 ppb gold and 1.18 ppm silver. The best precious metal intersection in the entire 1988 drill program occurs in a zone of minor quartz brecciation with 29% recovery from 85.65 to 90.7. A weighted average from 85.65 to 88.7 contains 56 ppb gold and 3.25 opt silver. The adjacent sample taken from 88.7 to 90.7 contains 2 ppb gold and 16.8 ppm silver for an overall average of 2.15 opt

over 5.05 meters. Samples collected from the Main structure at 126.6 to 129.1 contained background precious metal values.

DDH's 4, 5, 6 and 7 were drilled 120 meters southwest along strike from drill pad #3, to test where the Far SW Zone structures converge to form a single structure. Of four holes collared, two holes (DDH 88-05, 88-07) were abandoned before projected total depth. A vertical hole (DDH 88-06) was abandoned at a depth of 6.1 meters (20 ft.). Only one hole (DDH 88-04) was drilled to the proposed depth.

DDH 88-04 (Drill pad #3, Az 325°/-78°) was drilled to a length of 158.8 meters (521 ft) intersecting a sequence of lithologies similar to DDH 88-3. A zone of intensely altered rhyolite lapilli tuff with quartz veining was intersected from 114.25 to 123.0 meters. Veining constitutes 5 to 10% of the interval and consists of medium grey to milky quartz with textures intermediate between chalcedony and vuggy, cockade quartz. A zone from 114.25 to 116.o meters contained a weighted average of 62.8 ppb gold and 0.84 ppm silver (up to 106 ppb gold and 1.06 ppm silver over 0.35 meters). An andesite to dacite dyke was intersected between 141 meters (463 ft) and 154 meters (505 ft), within the main alteration zone.

The hole terminated in unaltered rhyolite lapilli welded tuff. Orientation of structures in drill core, coupled with structural measurements at surface, indicate lithologic dips of between 55° and 70° to the southeast.

DDH 88-05 (Drill pad #3, Az 353°/-84°) was collared in an attempt to obtain a second section through the structure from this set-up. The hole was abandoned when the core barrel broke down the hole at 40 meters (131 ft) after intersecting unaltered interbedded rhyolite ash, crystal and lapilli tuff.

DDH 88-06 (Drill pad #3, -90°) was abandoned at a length of 6.1 meters (20 ft).

DDH 88-07 (Drill pad #3, Az 358°/-82°) was drilled to the Main structure. The hole was abandoned at 138.1 meters (453 ft) in the structure. The intersection obtained in DDH 88-07 is similar to that in DDH 88-04. Intervals of silicification, sericitization and argillic alteration associated with fault gouge was intersected from 126.0 to 133.0 meters (413 to 437 ft). Quartz veining constitutes up to 15% of the interval. The quartz is a mixture of fine grained (chalcedonic) grey quartz and fine to medium grained drusy to cockade milky quartz. A veined zone from 123.4 to 123.9 contains 56 ppb gold. Structural measurements on veins indicate dips from 58° to 68° to the south.

Although holes were completed in the Far SW Zone, the holes that were completed indicate that the structure consists of a wide zone of faulting, gouge and silicification with trace to up to 15% quartz calcite veining. Anomalous precious metal values are associated with veining. The best zone on surface (1987 sampling) occurs in an area of more veining within Total Erickson's ground and was not tested during the 1988 program.

NE Zone

Introduction

Grab samples collected from the NE Zone in 1987 contained up to 3000 ppb gold. Exploration in 1988 on the NE zone involved bulldozer trenching and diamond drilling. Five trenches were dug using a D6 and D7 Caterpillar. Only two trenches (Tr 88-04, 88-05) exposed bedrock. A total of 81 trench channel and composite chip samples, 15 rock grab samples (float and outcrop) and 3 soil samples were collected in the trenches. Two drill pads were constructed south of trenches 88-04 and 88-05. A single diamond drill hole, DDH 88-08 was drilled to a length of 238.05 meters (781 ft) to test the NE zone structure at depth.

Trenching

Trench 88-05 exposed the Main structure. The structure includes one meter of quartz veining and silicification and up to 5 meters of clay gouge, with highly altered, fractured rhyolite welded tuff in the hanging wall. A clay altered to silicified rhyodacite dyke occurs adjacent to the hanging wall clay altered zone.

The northern half of trench 88-05 and most of 88-04 exposed dark purple welded rhyolite tuff with minor quartz veinlets and clay alteration. Trench 88-04 also exposed a minor structure at approximately a 25° angle to the Main structure. This second structure is characterized by a narrow zone of intense clay alteration and fault gouge. Little to no veining accompanies the structure; however a rock sample (7620021) collected from this structure in 1987 contained 3000 ppb gold and 16 ppm silver.

Analytical results of channel samples along 1 meter intervals in the trenches contained low gold and silver values (best value 9.0 ppb gold and 5.66 ppm silver). Grab samples contained up to 1240 ppb gold and 5.45 ppm silver. A single soil sample contained 100 ppb gold and 2.0 ppm silver.

Drilling

DDH 88-08 (Az 325° /-81°, 238m length) was collared on NE zone drill pad #2 (L28+35N/2+24E) to test the main NE zone structure (055/70S) at 160 meters down dip. A total of 33 drill core samples were collected and analyzed for gold and silver. Weighted averages of results from drill core samples of the major intersections are plotted on Figures 6, 9 and 15. A complete record of drill core samples and results is included with the drill logs in Appendix B. A summary log for DDH 88-08 is given in Table 2.

The hole intersected rhyodacite to andesite and weakly altered welded rhyolite tuff to a depth of 61.2 meters (201 ft). Granodiorite and altered granodiorite were intersected from 67.2 to 238.0 meters (782 ft). Two intervals of intensely altered and broken core (fault gouge) were intersected; 163.7 meters to 175.6 meters (537 ft to 576 ft) and 220 meters to 228.85 meters (722 ft to 751 ft). Ten to 20% percent massive grey to milky, vuggy quartz was intersected in the altered zones. Alteration associated with the zones consists of weak to moderate carbonatization of feldspars in granodiorite with advanced argillic alteration adjacent to shears. Silicification occurs locally to 25% in patches associated with veining. The two intersections are thought to correspond with the Main structure exposed in trench 88-05 and the splay structure mapped to the north in trench 88-04. Unaltered weakly foliated granodiorite was intersected from 228.85 to the end of the hole.

Analyses of veined and altered core from DDH 88-08 returned background values of from 2 to 8 ppb gold. Several samples associated with fault zone intervals returned anomalous silver values of from 1.0 to 10.2 ppm (e.g. 164.27 to 165.55 meters, weighted average of 8.6 ppm silver over 1.28 meter core width).

Flat Zone (Northwest end of SW Zone)

Rock samples collected on the Flat Zone in 1987 contained up to 470 ppb gold. A follow up program of prospecting, rock geochemical sampling, road building and bulldozer trenching was conducted on the Flat Zone in 1988. A total of 31 rock grab samples were collected. Sample locations and results are plotted in Figure 10.

Two bulldozer trenches (Tr 88-06 and 88-07) were dug across well defined lineaments characterized by quartz vein float and bleached and clay-rich soil. Both trenches failed to expose bedrock due to permafrost.

Prospecting extended the area of quartz vein float to the northeast and north along previously identified trends. Quartz

vein float was mapped from L12+00N/7+00W north for 300 meters (total known strike length is now 1 kilometer) and to the northwest to approximately L12+50N/9+00W (additional 150 meters; total 200 meters). Boulders of vein material typically contain coarse bladed (lamellar) quartz replacing carbonate, banded quartz and fluorite casts. Several float samples returned enriched values in gold; 51 to 1360 ppb. The better silver values range from 1.2 to 6.3 ppm.

Creek Vein

Exploration on the Creek vein, located 500 meters west of the Far SW Zone, consisted of 1:500 scale geological mapping, prospecting and rock geochemical sampling. Thirteen rock grab samples (outcrop and float) were collected from the area and submitted for gold and silver analyses. Some samples were also analysed for Cu, Pb, Zn, As and Sb. Sample locations and results are plotted in an insert map on Figure 3.

The vein consists of an approximately 1 meter wide and at least 50 meters long zone of grey to white quartz veins and veinlets exposed in subcrop. The veins cut an altered rhyolite dyke and altered and fractured rhyolite lapilli tuff. Individual veins appear to be up to 0.4 meters in width, but average 5 to 20cm in width. Float samples contain up to 1% disseminated pyrite, calcite and probably galena. The zone of veining trends parallel to the rhyolite dyke at 020°.

Three rock samples returned values of 240 ppb gold and 0.59 opt silver, 660 ppb gold and 7.6 ppm silver and 30 ppb gold and 0.64 ppm silver. The remaining samples contain background gold values and up to 13.5 ppm silver.

WAT Claims

A 1:2500 scale geology map of the grid extension (L31+00N to L40+00N) was produced during the 1988 season (Figure 7) (see property geology). Soil samples (907 samples) were collected at 25 by 25 meter intervals, and 115 rock samples of quartz-chalcedony vein and vein breccia float were collected. The sample locations and results are plotted in Figures 12 and 13. Rock sample descriptions are given in Appendix A.

At least two structures within the WAT claims contain anomalous precious metal values within quartz-chalcedony vein float. The structures are defined by cockade and banded quartz float, clay-rich soil, recessive linears and VLF-EM anomalies. Several samples collected along the Main structure between

L38+00N/4+75E and L40+00N/6+00E contains anomalous gold and silver values. Three grab samples of boulder within this zone contain >1000 ppb gold and >3 ppm silver (8226113: 1060 ppb gold, 14 ppm silver; 8226037: 1500 ppb gold, 7.6 ppm silver; 8226039: 1600 ppb gold, 3.2 ppm silver). Six other samples in this area contain >50 ppb gold and >1 ppm silver. Two additional samples contain 6.6 and 7.0 ppm silver.

Three grab samples of boulders collected from a northeasterly trending splay structure between L37+00N/3+50E and 38+00N/3+00E contain between 48 and 1950 ppb gold and 0.53 and 4.5 ppm silver. Samples collected from this structure along strike in both directions returned background precious metal values.

A single sample of well rounded quartz (with bladed calcite replacement textures) vein float collected at L38+50N/2+00W contained 2900 ppb gold and 14 ppm silver. This boulder has been transported and its source unknown.

Soil samples collected on the WAT grid contain near background gold values with only occassional spot highs of up to 48 ppb. Silver values on the west half of the grid are at or near background levels. A spot silver high of 3.4 ppm occurs along a splay structure at L33+00N/1+25E. No rock samples were collected from this structure. Soil samples from the east half of the grid contain up to 1.55 ppm silver along the Main structure between L38+00N/4+75E and L40+00N/6+00E. Contouring the silver geochemical values at 0.5 and 1.0 ppm defines the Main structure and possibly a parallel structure to the east (Figure 12).

Other Zones

Follow up talus fine sampling of an area above Towle Creek, south of the NE zone, reproduced enriched values of from 30 ppb to 145 ppb gold. Mapping and prospecting in the cliffs to the southwest of the area located two structures containing quartz-calcite-fluorite $\pm$ pyrite mineralization. Outcrop samples of vein material returned background values of gold and silver.

TABLE 1

SUMMARY LOGS: FAR SW ZONE DRILLING

DDH 88-01
(AZ 332°dip -78°) Far SW Zone Drill pad #2: abandoned at 61.57 meters.

Interval (meters)	Description
0.0 - 9.05	casing, no recovery
9.05 - 10.70 93% recovery	**Rhyolite Crystal Ash Tuff:** brecciated grey to varicoloured rhyolite,interbedded lenses of very fine grained ash tuff and fine to medium grained crystal tuff and lithic lapilli tuff; weak argillic/sericitic alteration; bedding 45° to 90° C/A.
10.70 - 11.89 recovery 100%	**Dacite/Rhyolite Crystal Tuff:** dark green feldspar porphyrite tuffaceous rock in places appears to be dyke rock; weak to moderately silicified.
11.89 - 14.90 recovery 100%	**Rhyodacite Lapilli Tuff:** interbedded light grey green rhyolite ash and lapilli tuff. Minor quartz veining.
14.90 - 15.54	**Gouge with Brecciated Tuff:** minor quartz veining.
15.54 - 20.73	**Rhyodacite Lapilli Tuff**
20.73 - 22.35 recovery 100%	**Rhyolite Crystal Lapilli Tuff:** varicoloured, dominantly dark purple to grey lapilli of flow banded rhyolite interbedded with ash tuff;alteration in patches includes sericitization,silicification and weak carbonitization.
22.35 - 30.60 recovery 100%	**Rhyolite Lapilli Tuff:** interbeds of ash tuff with lapilli composed of flow banded rhyolite.
30.60 - 46.25 recovery 91.7%	**Rhyolite Lithic Lapilli ± Welded Tuff:** rust to buff coloured highly broken lapilli tuff; moderate to advanced argillic alteration of feldspars; minor veins throughout interval, quartz ± clay/sericite? recognizable carbonate. Numerous fault structures 10-40cm in width. Gouge and lost core 31.0 - 32.75. 5 to 10% quartz veining and gouge @ 33.9 -

Interval (meters)	Description
	34.1 (90% gouge), 34.44 to 35.97, 38.75 - 39.32 and 45.45 - 46.25. 34.44 to 35.97 contains 76 ppb gold and 0.46 ppm silver and 45.45 to 46.25 contain 44 ppb gold and 0.4 ppm silver.
46.25 - 50.05 recovery 100%	**Rhyolite Lithic Lapilli Crystal tuff:** dark purple green interbedded crystal lapilli tuff weakly welded.
50.05 - 61.57 recovery 100%	**Rhyolite Lithic Lapilli Crystal Welded Tuff:** rust to buff coloured, altered interbedded tuff; moderate to strong argillic alteration. Minor veining; quartz ± clay/sericite? Numerous small fault gouge intervals 10-40cm in width; low to moderate angles to C/A.
	END OF HOLE

DDH 88-02
(AZ 292° dip -74°) Far SW Zone drill pad #2: abandoned at 32.6 meters.

Interval (meters)	Description
0 - 9.44	casing, no recovery
9.44 - 10.10 recovery 100%	**Rhyolite Crystal Ash Tuff:** Bedding 40°to 45° to C/A. Minor clay gouge, 80°to 90°to C/A.
10.10 - 12.80 recovery 100%	**Rhyodacite? Crystal Ash Tuff & Epiclastic Sediments:** dominantly ash tuff,interbedded fine grained crystal tuff, bedding 80°to 90° to C/A. Interbedded epiclastic sediments exhibit load structures.
12.80 - 23.40 recovery 100%	**Rhyolite Crystal Lapilli Tuff:** light green to dark green (± purple) lapilli tuff with crystal tuff interbeds; minor ash tuff interbeds to 20cm, bedding 60°to C/A. Minor drusy to cockade quartz veining; <10% veinlets orientated 45°-60°to C/A, 80° to 90° to bedding. 5 to 30% quartz veining with gouge occurs at 13.1-14.45 and 16.9-19.0 meters.
23.40 - 32.60 recovery 100%	**Rhyolite Lapilli ± Crystal Ash Tuff ± Welded Tuff:** as above with more intense

Interval (meters)	Description
	sericitization of ash tuff and hematite alteration. 5 to 30% quartz veining and clay gouge from 24.7 to 25.05 and 26.98 to 27.26 meters.
	END OF HOLE

DDH 88-03
(AZ 292° dip -80°) Far SW Zone Drill pad #2: abandoned at 138.4 meters.

Interval (meters)	Description
0 - 7.0	casing no recovery
7.0 - 18.62 recovery 84%	**Rhyolite Crystal Lapilli Tuff/Ash Tuff:** light grey to medium grey-green lapilli tuff ± crystal tuff interbedded with very fine grained ash tuff; epiclastic sediment interval exhibits graded bedding at 80° to C/A.
18.62 - 30.70 recovery 100%	**Rhyodacite? Crystal ± Lapilli Tuff:** dark green crystal tuff with interbedded welded tuff defined by flattened ash fragments 85°to C/A. Mild carbonatization of matrix in addition to patchy silicification and intervals of moderate to intense pervasive argillic alteration. Five to 10% quartz veining occurs with shears from 26.50 to 27.15 meters.
30.70 - 37.49 recovery 100%	**Rhyodacite Crystal Lapilli Tuff:** locally extensively altered adjacent to minor shears.
37.49 - 40.95 recovery 100%	**Rhyolite Lapilli Welded Tuff**
40.95 - 47.70 recovery 100%	**Rhyolite Crystal Lapilli Tuff:** varicoloured to medium grey/green, blocks of flow banded rhyolite,jasper and ash tuff; faint bedding orientation 65° to 70° to C/A; variable alteration over 3 meters, sericitization and argillization.
47.70 - 68.95 recovery 100%	**Altered Rhyolite Crystal Lapilli ± Welded Tuff:** sericitization, argillization ±

Interval (meters)	Description
	carbonatization; up to 40% of rock altered; clay-sericite mixture impart, light green colour to ash tuff fragments which constitute 50% of the rock. Milky quartz veinlets (1%) occurs from 47.7 to 54.4 meters.
68.95 - 78.61 recovery 100%	**Altered (± sheared) Rhyolite Lapilli Tuff:** sericitized,chloritized tuff - followed by local quartz floodung;core highly broken and rubbley. One to locally 5% quartz veinlets occur from 68.95 to 73.21 meters.
78.61 - 80.50 recovery 100%	**Altered (± sheared) Andesite (Dacite) Dyke:** light to medium green fine, grained porphyritic andesite? pervasively altered. sericitization, chloritization, argillization; minor carbonatization of plagioclase; shearing defined by chlorite lenses interlayered with carbonate veinlets 35° to C/A (65° dip to south).
80.50 - 88.70 recovery 52%	**Rhyolite Ash Tuff (± Breccia):** light grey-green extremely fine grained with weak to moderate brecciation defined by jasper filled fractures and thin (1-3mm) veinlets of medium grey to clear quartz. Twenty-nine % recovery occurs from 85.65 to 88.7 meters. This interval contains 56 ppb gold and 3.25 opt silver (weighted average). 88.7 to 90.7 contains 16.8 ppm silver and also 29% recovery.
88.70 - 98.45 recovery 65%	**Altered Rhyolite Crystal/Ash/Bedded Tuff:** interbedded ash tuff with crystal tuff; extensive sericitization of feldspars; argillic alteration of groundmass, several small fault gouge intervals; orientation 30°-45° to C/A (55° to 70° dips).
98.45 - 109.60 recovery 95%	**Altered (± Brecciated) Rhyolite Lapilli Tuff:** varicoloured highly broken, weak to moderate brecciation, pervasive and intense argillization, with local intense alteration to hematite.
109.60 - 114.80 recovery 95%	**Rhyolite Lapilli Tuff**

Interval (meters)	Description
114.80 - 120.20 recovery 100%	**Rhyolite Welded Tuff:** dark grey-purple weakly oxidized (hematite alteration) welded tuff; dip of bedding 50° to 55° south.
120.20 - 126.60 recovery 100%	**Altered Dacite (Andesite?) Dyke:** pervasive argillic ± mild carbonatization of light to medium green dyke rock.
126.60 - 129.10 recovery 100%	**Sheared and Altered Rhyolite Lapilli Tuff/Quartz Veining:** varicoloured, altered highly broken and veined tuff; quartz veining to 30% of interval;balance of interval is altered (predominantly silicified) rhyolite tuff; quartz is mixture of very fine grained to chalcedonic light grey quartz and fine grained milky quartz.
129.10 - 138.68 recovery 100%	**Rhyolite Welded Tuff:** dark grey to purple welded tuff with 35° to 40° dip to south.
	End of Hole

DDH 88-04
(AZ 325° dip -78°) Far SW Zone Drill Pad #3: 158.8 meters

Interval (meters)	Description
0 - 1.44	casing, no recovery
1.44 - 102.75 recovery 100%	**Rhyolite Ash/Crystal/Lapilli Bedded Tuff:** light grey to medium green/grey relatively fresh interbedded intervals of rhyolite, ash, crystal and lapilli tuff; bedding orientation 22°-32° to south.
102.75 - 106.92 recovery 100%	**Dacite Dyke**
106.92 - 113.35 recovery 100%	**Rhyolite Crystal Tuff**
113.35 - 113.55 recovery 100%	**Gouge:** Hanging wall consists of quartz veining; 80% rust/brown clay gouge; 1-3% calcite veinlets.
113.55 - 114.25 recovery 100%	**Altered Rhyolite Lapilli Tuff:** very light grey to white argillically altered and sericitized tuff with minor silicification.

Interval (meters)	Description
	Associated quartz veining to 10%.
114.25 - 115.00 recovery 100%	**Quartz Calcite Vein ± Clay Gouge:** grey to clear quartz (60%) cockade mantling textured altered rock fragments; late open space filling massive white calcite; orientation of 8cm brecciated gouge interval 72° dip to C/A. Zone contains 93 ppb gold and 0.75 ppm silver.
115.00 - 122.90 recovery 100%	**Intensely Altered Rhyolite Lapilli Tuff ± Quartz Veining:** argillization and sericitization most prominant in ash tuff fragments 40-70% quartz flooding; veining; light grey to milky quartz with drusy to cockade textures; approximately 5% quartz veining over entire interval. 115 to 116 meters contains 40 ppb gold and 0.90 ppm silver.
122.90 - 127.71 recovery 100%	**Altered Rhyolite Lapilli Tuff**
127.71 - 139.40 recovery 73%	**Altered Rhyolite Ash Tuff:** sericitization, argillization; several intervals of fault gouge 10cm to 90cm width; intense alteration to sericite in vicinity of shears; core highly broken.
139.40 - 141.70 recovery 100%	**Altered Rhyolite Welded Lapilli Tuff:** light green to grey weakly argillitized, quartz flooded lapilli tuff.
141.70 - 153.70 recovery 100%	**Dacite Dyke**
153.70 - 158.80 recovery 100%	**Rhyolite Welded Lapilli Tuff:** dark grey purple strongly welded tuff.
	End of Hole

DDH 88-05
(AZ 353° dip -84°) Far SW Zone Drill Pad #3: abandoned at 39.62 meters.

Interval (meters)	Description
0 - 2.10	casing, no recovery

Interval (meters)	Description
2.10 - 39.62 recovery 100%	**Rholite Ash/Crystal/Lapilli Bedded Tuff**
	End of Hole

DDH 88-06
(Dip -90°) Far SW Zone Drill Pad #3: abandoned at 6.10 meters.

Interval (meters)	Description
0 - 2.80	casing, no recovery
2.80 - 6.10	**Rhyolite Ash/Crystal/Lapilli Bedded Tuff**
	End of Hole

DDH 88-07
(AZ 358° dip -82°) Far SW Zone Drill Pad #3: abandoned at 138.10 meters.

Interval (meters)	Description
0 - 1.72	casing, no recovery
1.72 - 107.35 recovery 100%	**Rhyolite Ash/Crsytal/Lapilli Bedded ± Welded Tuff:** irregularly interbedded intervals of very fine grained light grey ash tuff; medium grey to light grey crystal tuff and coarse monolithic lapilli tuff; bedding orientated 23 south; defined by flattened ash tuff fragments and fine grained beds in ash tuff.
107.35 - 109.22 recovery 100%	**Andesite Dyke:** light to medium green fine grained andesite; weak carbonatization of groundmass.
109.22 - 111.86 recovery 100%	**Rhyolite Crystal Tuff**
111.86 - 117.40 recovery 100%	**Rhyolite Crystal ± Lapilli Bedded Tuff:** medium grey-green silicified tuff; pervasive silicification; minor calcite replacement of plagioclase.
117.40 - 121.20 recovery 100%	**Rhyolite Welded Crystal Lapilli** Tuff: dark grey to purple strongly welded tuff.

Interval (meters)	Description
121.20 - 124.65 recovery 100%	**Altered Rhyolite Welded Crystal Lapilli Tuff:** pervasive silicification preceeded by sericitization of ash tuff fragments; weak brecciation defined by minor shear veinlets of chlorite-sericite; more rarely jasper and grey fine grained quartz. Three to 10% quartz stockwork with associated silicification occurs between 123.4 and 124.65. 123.4 to 123.9 contains 56 ppb gold.
124.65 - 125.80 recovery 100%	**Calcite vein and Clay Gouge:** 20% clay gouge up to 60% calcite veining, 20% altered rock fragments.
125.80 - 133.35 recovery 100%	**Altered (veined/sheared) Rhyolite Crystal Lapilli Tuff:** light to medium grey and green intensely altered and broken tuff; competent rock fragments are pervasively sericitized followed by silicification; quartz veining approximately 5% of interval; quartz is grey to milky cockade drusy, veins to 2cm in width; clay gouge to 10% of interval spatially associated with quartz veining. 127.9 to 128.4 contains 15% quartz stockwork.
133.35 - 138.15 recovery 17.7%	**Altered (sheared & veined) Rhyolite Ash/Lapilli Welded Tuff:** much cave and redrilled material; hole abandoned in zone.
	End of Hole

TABLE 2

SUMMARY LOG: NE ZONE DRILLING

DDH 88-08
(Drill Pad #1; AZ 325° dip -81°) 238.05 meters

Interval (meters)	Description
0.0 - 1.80	Casing, no recovery
1.80 - 45.82 recovery 100%	**Andesite/Dacite Flow:** dark grey to purple, vitreous, silicified flow rock; minor quartz (ankerite) veining.
45.82 - 61.15 recovery 100%	**Altered Rhyolite Crystal Lapilli ± Welded Tuff:** locally weakly brecciated medium grey to buff-green mottled tuff. Sericitized ± argillic alteration of groundmass; welding orientation 79° S.
61.15 - 163.71 recovery 100%	**Altered Granodiorite:** grey to grey-green medium grained, equigranular slightly to moderately altered and foliated. Alteration includes silicification, sericitization and alteration of mafics to chlorite.. Fault contact with overlying tuff; sericite ± epidote veinlets characteristic.
163.71 - 175.6 recovery 100%	**Altered, Sheared & Veined Granodiorite:** intensely broken core with intense silicification of fragments and clay alteration at iregular intervals. Quartz calcite veining up to 30% at 50cm intervals; associated gouge intervals with up to 50% clay. Prominant orientation 65° S. 5 to 15% quartz veining and gouge occurs from 164.27 to 165.55, 171.05 to 171.62, 172.2 to 173.3 and 173.95 to 174.1. The interval 164.27 to 165.55 contains 2.4 ppb gold and 8.6 ppm silver.
175.6 - 220.0 recovery 100%	**Granodiorite:** see interval 61.15 - 163.71
220.0 - 228.85 recovery 92%	**Altered, Sheared & Veined Granodiorite:** broken core, intense shearing, argillic alteration and clay gouge. Weak to moderate brecciation defined by medium grey fine grained quartz veinlets. Orientation of gouge

Interval (meters)	Description
	intervals 60°-65° dip to south. Ten to 20% quartz stockwork occurs from 220.04 to 222.25. 221 to 222.25 contained 2.04 ppm silver (56% recovery).
228.85 - 238.05 recovery 100%	**Unaltered Granodiorite**
	End of Hole

CONCLUSIONS AND RECOMMENDATIONS

The SAID-THE-WAT claims are underlain by Tertiary Skukum Group subaerial rhyolite to dacite tuffs, welded tuffs and flows, and andesite tuffs and flows. A large rhyolite plug and related dykes intrude the volcanics throughout the claims. The volcanics are cut by a northeast trending, southeast dipping (approx. 70°) fault which extends for at least 4.5 kilometers. Several north-south and northeast trending splay faults are associated with this structure. Several zones of mineralization were discovered along the Main structure and related structures during the 1987 program; the Far SW Zone, Central Zone, Southeast Zone (includes Flat Zone), Northeast Zone, Glacier Zone and Creek vein. The 0.2 Zone (on a related structure) and the WAT mineralized zones (NE extension of Main structure) were located during the 1988 season. Mineralization in all the zones consists of quartz veins and quartz cemented breccias exhibiting cockscomb, open space, banded chalcedony, fluorite casts, sinter and bladed calcite replacement textures; all typical of upper levels in an epithermal vein system.

Legal surveying on the Far Sw Zone has shown that the best 65 meters of the surface exposure of the structure (much more down dip) occurs on the adjoining ground owned by Total Erickson. This includes 19 g/t gold (0.58 opt) and 24.4 g/t silver (0.71 opt) over 2 meters found during the 1987 season. Diamond drilling totalling 575.2 meters in 7 holes was concentrated at the claim boundary and where the structure is split into 3 structures. Although some veining was intersected, mostly clay gouge and strongly altered and brecciated volcanics were intersected. The best values in this zone were 56 ppb gold and 111 g/t silver (3.25 opt) over 3.05 meters. The remaining values were much lower, and this high silver/gold ratio persisted. Further work on this zone should be delayed until Total Erickson (now Total Energold) drill tests the 65 meter section within their claims.

Cat Trenching of the Northeast Zone exposed a one meter wide quartz vein within a 5 meter wide zone of gouge in fractured and altered tuffs. Grab samples of vein material contain up to 1240 ppb gold and 5.45 ppm silver. A single diamond drill hole drilled to a depth of 238 meters intersected two structures similar to the surface showing. The best value intersected is 8.6 ppm silver over 1.28 meters. Further drilling on the Northeast Zone would depend on the results of further trenching.

Prospecting on the Flat Zone and Creek vein areas extended the known Flat Zone mineralization an additional 300 meters (total length 1 kilometer) and the Creek vein by 40 meters (total length 50 meters). Float samples in the Flat Zone contain up to

1360 ppb gold and up to 6.3 ppm silver. Bulldozer trenching in this area failed to locate bedrock through the permafrost. Grab samples from the Creek vein contain up to 660 ppb gold and up to 20.2 ppm silver.

Several zones of quartz float were found along the Main structure and related splays on the WAT claims. A 200 meter long zone along the Main structure between L38+00N and L40+00N contains anomalous precious metal values in float of up to 1600 ppb gold and up to 7.6 ppm silver. Precious metal enrichment also occurs along a splay structure between L37+00N and L38+00N with geochemical values up to 1950 ppb gold and 4.5 ppm silver in float samples. A float sample with an unknown source found at the northwest end of the WAT grid contains 2900 ppb gold and 14 ppm silver.

A one meter wide shear zone with cockscomb quartz veining located near the Total Erickson claim boundary was shown to Pacific Trans-Ocean by Total Erickson at the end of the field season. According to Richard Bassnett (Total Erickson geologist), a grab sample from this zone contained 0.25 opt gold.

The SAID-THE-WAT claims contain several mineralized structures typical of upper levels in an epithermal system. Two of these; Far SW Zone and Northeast Zone have been drill tested and have shown to be sparsely mineralized at depth. Several of the other zones (eg. WAT, Creek vein, Flat Zone, 0.2 vein) have precious metal enrichment in vein float at surface and have not yet been tested. These zones, although not as well mineralized at surface as the Far SW and Northeast Zones have potential to contain an epithermal vein type deposit and should be explored.

The results of the 1988 exploration program on zones outside the Far SW and Northeast Zones warrant a followup program in 1989. The following program and budget is recommended.

1a. Cat trenching on the WAT grid and Creek veins.
 b. Hoe trenching in trenches 88-01 and 88-02 and the Flat Zone.

2a. VLF-EM amd Mag survey on the Flat Zone with more gridding.
 b. Detailed mapping and sampling on the northern extension of the structure.

3. Sampling and mapping of "0.2" vein at Total Erickson claim boundary.

4. Surface sampling and mapping of extension of WAT structure to the PLUS claims.

Geology	$ 27,000
Geochemistry	10,000
Geophysics (15 days @ $400)	6,000
Tracked Backhoe (100 hrs @ $140/hr)	15,000
Bulldozer (140 hrs @ $140/hr)	20,000
Camp Costs	10,000
Field supplies	500
Rentals	1,000
Travel	4,000
Report Writing	5,000
Assessment Fees	2,000
Freight & Postage	1,500
Subtotal	105,000
Plus approximately 10% Contingency	15,000
Total Budget	**$ 120,000**

Respectfully submitted
Aurum Geological Consultants Inc.

Tom Garagan, B.Sc., FGAC

REFERENCES

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APPENDIX A

ANALYTICAL RESULTS, METHODS AND ROCK SAMPLE DESCRIPTIONS

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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	Tu&CK
822:	2009	12.0	0.08	
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	Tu&CK

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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



LATER

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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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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 Fault
821:	2010	<2.0	0.02

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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 ✓ "	81.0	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 (DDH 13 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	
822:: 6006 ✓ "	8.0	1.45	
822:: 6007 ✓ "	102.0	1.72	LATER QUN3X
822:: 6008 ✓ "	202.0	1.28	Plotted anomaly Cr later
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
CM
RJ
JW
DP

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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 (3080ppb)

LATER

plotted Aug 27/88 CH + DP.

WAT

plotted Aug 27/88

WAT

plotted Aug 27/88

D.P.

J.H

✓

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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 LATER ✓	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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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 Grid	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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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 ✓ LATER	2.0	0.1
8224059 ✓ "	5.0	2.32
8224060 ✓ "	4.0	0.22

TR 88-05 THE 17 (NE ZONE)

Float outside TR 5

Float zone.

Central Zone South. TR.

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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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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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PAGE: 5 OF 10
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AUTHORITY:P. MAHEUX

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HANGAR B
WHITEHORSE, YUKON

ATTN: P. MAHEUX

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

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

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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COPY: 3 OF 4
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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	0.25	NA
8222062	NA	1.05
8226120	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

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AUTHORITY:P. MAHEUX

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5159D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
821: 2000	3.0	<0.02
821: 2000 -II	8.0	<0.02
821: 2001	2.0	<0.02
821: 2002	2.0	<0.02
821: 2003	2.0	0.02
822: 2000	<2.0	0.02
822: 2001	34.0	0.44
822: 2002	3.0	<0.02
822: 2003	6.0	0.2
822: 2004	<2.0	0.02
822: 2005	2.0	0.04
821: 1	2.0	0.04
821: 4000	2.0	0.11
822: 4000	2.0	<0.02
822: 4001	2.0	<0.02
822: 4002	150.0	4.44
822: 4003	4.0	0.07
822: 4004	2.0	0.03
822: 4005	12.0	0.04
822: 4006	3.0	0.14
822: 4007	40.0	0.08
822: 4008	3.0	0.42
822: 4009	41.0	0.27

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 2000	13.0	0.3
826: 2001	2.0	0.22
826: 2002	2.0	0.24
826: 2003	<2.0	0.26
826: 2004	2.0	0.23
826: 2005	<2.0	0.41
826: 2006	8.0	0.3
826: 2007	13.0	0.05
826: 2009	2.0	0.24
826: 2010	2.0	0.25
826: 2011	2.0	0.13
826: 2012	3.0	0.14
826: 2013	3.0	0.14
826: 2014	<2.0	0.11
826: 2015	<2.0	0.07
826: 2016	2.0	0.22
826: 2017	8.0	0.17
826: 2018	3.0	0.38
826: 2019	5.0	0.13
826: 2020	6.0	0.21
826: 2021	3.0	0.38
826: 2022	4.0	0.2
826: 2023	2.0	0.14
826: 2024	2.0	0.18
826: 2025	3.0	0.14
826: 2026	4.0	0.17
826: 2027	3.0	0.05
826: 2028	2.0	0.04
826: 2029	3.0	0.05
826: 2030	4.0	0.06

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 2031	<2.0	0.04
826: 2032	4.0	0.02
826: 2033	2.0	0.13
826: 2034	<2.0	0.12
826: 2035	10.0	0.08
826: 2036	170.0	0.2
826: 2037	71.0	0.23
826: 2038	40.0	0.33
826: 3000	4.0	0.36
826: 3001	2.0	0.15
826: 3002	3.0	0.36
826: 3003	3.0	0.34
826: 3004	3.0	0.7
826: 3005	2.0	0.56
826: 3006	3.0	0.31
826: 3007	3.0	0.34
826: 3008	2.0	0.36
826: 3009	6.0	0.63
826: 3010	2.0	0.79
826: 3011	2.0	0.6
826: 3012	3.0	0.43
826: 3013	2.0	0.64
826: 3014	2.0	0.6
826: 3015	<2.0	0.77
826: 3016	5.0	0.61
826: 3017	<2.0	0.52
826: 3018	3.0	0.54
826: 3019	3.0	0.7
826: 3020	3.0	0.62
826: 3021	2.0	0.57

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PROJECT: 1102

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ATTN: T. GARAGAN

★★★ FINAL REPORT ★★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	3022	5.0	0.61
826:	3023	8.0	0.75
826:	3025	2.0	0.26
826:	3026	3.0	0.44
826:	3027	2.0	0.29
826:	3028	2.0	0.3
826:	3029	<2.0	0.42
826:	3030	4.0	0.7
826:	3031	2.0	0.54
826:	3032	3.0	0.74
826:	3033	3.0	0.83
826:	3034	2.0	0.8
826:	3035	4.0	0.3
826:	3036	4.0	0.71
826:	3037	<2.0	0.57
826:	3038	<2.0	1.12
826:	3039	<2.0	0.43
826:	3041	<2.0	0.62
826:	3042	2.0	0.73
826:	3043	2.0	1.0
826:	3045	4.0	0.91
826:	3046	2.0	0.24
826:	3047	2.0	0.3
826:	3050	3.0	0.61
826:	3051	3.0	0.81
826:	3052	2.0	0.57
826:	3053	3.0	1.54
826:	3054	8.0	5.0
826:	3055	2.0	0.5
826:	3056	3.0	0.55

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WORK ORDER: 5159D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 3059	2.0	0.68
826: 3060	<2.0	2.66
826: 3062	3.0	0.28
826: 3063	2.0	0.61
826: 3064	5.0	0.44
826: 3065	5.0	0.3
826: 4000	2.0	0.3
826: 4001	5.0	0.35
826: 4002	2.0	0.25
826: 1	125.0	0.11
826: 2	51.0	0.09
826: 1001	3.0	0.21
826: 1002	4.0	0.24
826: 1003	2.0	0.16
826: 1004	7.0	0.11
826: 1005	2.0	0.57
826: 1006	5.0	0.15
826: 1010	2.0	0.48
826: 1011	2.0	0.34
826: 1012	3.0	0.46
826: 1013	2.0	0.31
826: 1014	2.0	0.42
826: 1015	2.0	0.4
826: 1016	3.0	0.36
826: 1017	3.0	0.28
826: 1018	2.0	0.29
826: 1019	3.0	0.17
826: 1020	5.0	0.07
826: 1021	<2.0	0.2
826: 1022	5.0	0.21

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WORK ORDER: 5159D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 1023	3.0	0.13
826: 1024	3.0	0.12
826: 1025	2.0	0.19
826: 1026	3.0	0.19
826: 1027	2.0	0.18

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WORK ORDER: 5159D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
L29+00N	-2+25W	3.0	0.36
L29+00N	-2+50W	3.0	0.41
L29+00N	-3+25W	2.0	0.21
L29+00N	-3+50W	<2.0	0.28
L29+00N	-3+75W	<2.0	0.43
L29+00N	-4+00W	<2.0	0.16
L29+00N	-4+25W	2.0	0.2
L29+00N	-4+50W	3.0	0.16
L29+00N	-4+75W	2.0	0.23
L29+00N	-5+00W	<2.0	0.13

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM CONSULTANTS
WHITEHORSE, YUKON
P. MAHEUX

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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07-JUL-88

AUTHORITY:P. MAHEUX

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

WORK ORDER: 5176D-88

ATTN: T. GARAGAN

****PRELIMINARY REPORT****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	3066	3.0	0.02
826:	3067	2.0	0.02
826:	3068	2.0	0.14
826:	3069	3.0	0.06
826:	3070	3.0	0.07
826:	3071	2.0	0.11
826:	3072	2.0	0.05
826:	3073	2.0	0.09
826:	3074	2.0	0.06
826:	3075	2.0	<0.02
826:	3076	<2.0	0.03
826:	1051	2.0	0.12
826:	1052	3.0	0.68
826:	1053	2.0	0.23
826:	1054	3.0	0.15
826:	1055	2.0	0.13
826:	1056	3.0	0.1
826:	1057	2.0	0.2
826:	2039	15.0	0.96
826:	2040	7.0	0.34
826:	2041	7.0	0.62
826:	2042	<2.0	1.5
826:	2043	<2.0	0.55
826:	2044	2.0	0.25
826:	2045	3.0	0.27
826:	2046	2.0	0.46
826:	2047	2.0	0.51
826:	2048	2.0	0.4
826:	2049	MS	MS
826:	2050	4.0	0.3

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AUTHORITY:P. MAHEUX

PROJECT: 1102

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WORK ORDER: 5176D-88

ATTN: T. GARAGAN

★★PRELIMINARY REPORT★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	2051	15.0	0.31
826:	2052	<2.0	0.22
826:	2053	<2.0	0.42
826:	2054	3.0	0.2
826:	2055	8.0	0.17
826:	2056	96.0	0.25
826:	2057	94.0	0.16
826:	2058	25.0	0.2
826:	2059	30.0	0.17
826:	2060	61.0	0.22
826:	2061	22.0	0.36
826:	2062	34.0	1.08
826:	2063	104.0	0.6
826:	2064	42.0	0.6
826:	2065	140.0	0.43
	0	MS	MS

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WORK ORDER: 5183D-88

ATIN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	3077	3.0	0.2
826:	3078	2.0	0.2
826:	3079	<2.0	0.37
826:	3080	<2.0	0.2
826:	3081	2.0	0.23
826:	3082	<2.0	0.28
826:	3083	8.0	2.15
826:	3084	3.0	0.9
826:	3085	920.0	2.44
826:	3086	<2.0	0.76
826:	3087	7.0	0.12
826:	3088	<2.0	1.14
826:	3089	<2.0	0.48
826:	3090	<2.0	0.46
826:	3091	<2.0	0.97
826:	3092	11.0	2.85
826:	3093	2.0	0.84
826:	3094	<2.0	0.96
826:	3095	<2.0	0.52
826:	3096	<2.0	0.1
826:	3097	<2.0	1.4
826:	3098	<2.0	0.16
826:	3099	<2.0	0.47
826:	3100	<2.0	0.36
826:	3101	4.0	0.37
826:	3102	3.0	0.11
826:	3103	3.0	0.13
826:	3104	3.0	0.24
826:	3105	3.0	0.04
826:	3106	2.0	0.17

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07-JUL-88

AUTHORITY:P. MAHEUX

PROJECT: 1102

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

WORK ORDER: 5183D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	3107	2.0	0.15
826:	2066	113.0	0.09
826:	2067	145.0	0.4
826:	2068	54.0	0.23
826:	2069	21.0	0.46
826:	2070	15.0	0.03
826:	2072	6.0	0.16
826:	2073	61.0	0.4
826:	2074	5.0	0.6
826:	2075	25.0	0.35
826:	2076	8.0	0.32
826:	2077	11.0	0.65
826:	2078	2.0	0.1
826:	2079	3.0	0.33
826:	2080	<2.0	0.44
826:	2081	5.0	0.36
826:	2082	2.0	0.15
826:	2083	3.0	1.09

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07-JUL-88

AUTHORITY:P. MAHEUX

PROJECT: 1102

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

WORK ORDER: 5172D-88

ATTN: T. GARAGAN

****PRELIMINARY REPORT****

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
821: 2004	3.0	0.03
821: 2005	2.0	0.11
821: 2006	3.0	2.24
821: 2007	2.0	~~12.8~~
821: 2008	<2.0	~~0.3~~
821: 2009	<2.0	0.18
821: 2004 -B	<2.0	<0.02
822: 2006	<2.0	0.64
821: 3000	3.0	<0.02

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AUTHORITY:P. MAHEUX

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

WORK ORDER: 5172D-88

ATTN: T. GARAGAN

★★PRELIMINARY REPORT★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 1007	<2.0	0.2
826: 1008	2.0	0.21
826: 1026	2.0	0.36
826: 1027	3.0	0.28
826: 1028	3.0	0.33
826: 1029	2.0	0.42
826: 1030	<2.0	0.71
826: 1031	<2.0	0.6
826: 1032	23.0	0.56
826: 1033	42.0	0.66
826: 1034	2.0	0.42
826: 1035	2.0	0.26
826: 1036	2.0	0.15
826: 1037	<2.0	0.1
826: 1038	<2.0	0.2
826: 1039	<2.0	0.34
826: 1040	<2.0	0.65
826: 1041	MS	MS
826: 1042	9.0	1.2
826: 1043	2.0	0.14
826: 1044	<2.0	0.2
826: 1045	<2.0	0.22
826: 1046	<2.0	0.24
826: 1047	<2.0	0.06
826: 1048	2.0	0.34
826: 1049	<2.0	0.33
826: 1050	<2.0	0.3

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PAGE: 1 OF 4
COPY: 1 OF 4

AUTHORITY:P. MAHEUX

PROJECT: 1102

Sketch

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5172D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	AS PPM	SB PPM
821: 2004	3.0	0.03	2.0	<5.0
821: 2005	2.0	0.11	5.0	<5.0
821: 2006	3.0	2.24	10.0	<5.0
821: 2007	2.0	12.8	3.0	<5.0
821: 2008	<2.0	0.3	<1.0	<5.0
821: 2009	<2.0	0.18	2.0	<5.0
821: 2004 -B	<2.0	<0.02	6.0	<5.0
822: 2006	<2.0	0.64	<1.0	<5.0
821: 3000	3.0	<0.02	4.0	<5.0

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

WORK ORDER: 5172D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	CU PPM	PB PPM	ZN PPM
821: 2004	11.0	10.0	86.0
821: 2005	8.0	8.0	44.0
821: 2006	1890.0	2.0	157.0
821: 2007	167.0	930.0	3660.0
821: 2008	19.0	57.0	70.0
821: 2009	23.0	94.0	102.0
821: 2004 -B	6.0	13.0	49.0
822: 2006	5.0	7.0	9.0
821: 3000	57.0	8.0	37.0

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

WORK ORDER: 5172D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826: 1007	<2.0	0.2
826: 1008	2.0	0.21
826: 1026	2.0	0.36
826: 1027	3.0	0.28
826: 1028	3.0	0.33
826: 1029	2.0	0.42
826: 1030	<2.0	0.71
826: 1031	<2.0	0.6
826: 1032	23.0	0.56
826: 1033	42.0	0.66
826: 1034	2.0	0.42
826: 1035	2.0	0.26
826: 1036	2.0	0.15
826: 1037	<2.0	0.1
826: 1038	<2.0	0.2
826: 1039	<2.0	0.34
826: 1040	<2.0	0.65
826: 1041	MS	MS
826: 1042	9.0	1.2
826: 1043	2.0	0.14
826: 1044	<2.0	0.2
826: 1045	<2.0	0.22
826: 1046	<2.0	0.24
826: 1047	<2.0	0.06
826: 1048	2.0	0.34
826: 1049	<2.0	0.33
826: 1050	<2.0	0.3

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PROJECT: 1102

WORK ORDER: 5184D-88

ATIN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:2084	19.0	0.16
826:2085	4.0	0.15
826:2086	3.0	0.13
826:2087	5.0	0.21
826:2088	5.0	0.26
826:2089	7.0	0.7
826:2090	8.0	0.23
826:2091	3.0	0.2
826:2092	3.0	0.28
826:2093	3.0	0.28
826:2094	5.0	0.22
826:2095	10.0	0.36
826:2096	9.0	0.61
826:2097	3.0	0.5
826:2098	3.0	0.18
826:2099	<2.0	0.36
826:2100	3.0	0.2
826:2101	3.0	0.35
826:2102	3.0	0.34
826:2103	3.0	0.76
826:2104	10.0	0.08
826:2105	26.0	0.16
826:2106	2.0	0.16
826:2107	3.0	0.27
826:2108	8.0	1.2
826:2109	2.0	1.14
826:2110	3.0	0.36
826:2111	2.0	0.28
826:2112	3.0	0.3
826:3108	2.0	0.8

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WORK ORDER: 5184D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:3109	2.0	0.95
826:3110	6.0	0.94
826:3111	3.0	0.48
826:3112	3.0	0.47
826:3113	2.0	0.35
826:3114	2.0	0.2
826:3115	<2.0	0.14
826:3116	2.0	0.32
826:3117	2.0	0.11
826:3118	2.0	0.13
39+75N:2+00W	2.0	0.4
39+75N:1+75W	3.0	0.35
39+75N:1+00W	3.0	0.37
39+75N:0+75W	2.0	0.38
39+75N:0+50W	2.0	0.3
39+75N:BASELINE	<2.0	0.28
39+50N:1+00W	<2.0	0.2
39+50N:0+75W	2.0	0.22
39+50N:0+50W	2.0	0.48
39+50N:0+25W	2.0	0.71
39+50N:BASELINE	2.0	0.4

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15-JUL-88

AUTHORITY:P. MAHEUX

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

PROJECT: 1102

WORK ORDER: 5184D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	CU PPM	PB PPM	ZN %	AS PPM
822:2011 Tr. ck	860.0	8.0	1.12	149.0

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WORK ORDER: 5184D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	SB PPM	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
822:2011	<5.0	3.0	4.8

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

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

AURUM CONSULTANTS INC.
WHITEHORSE, YUKON
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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15-JUL-88

AUTHORITY:P. MAHEUX

PROJECT: 1102

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

WORK ORDER: 5176D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	3066	3.0	0.02
826:	3067	2.0	0.02
826:	3068	2.0	0.14
826:	3069	3.0	0.06
826:	3070	3.0	0.07
826:	3071	2.0	0.11
826:	3072	2.0	0.05
826:	3073	2.0	0.09
826:	3074	2.0	0.06
826:	3075	2.0	<0.02
826:	3076	<2.0	0.03
826:	1051	2.0	0.12
826:	1052	3.0	0.68
826:	1053	2.0	0.23
826:	1054	3.0	0.15
826:	1055	2.0	0.13
826:	1056	3.0	0.1
826:	1057	2.0	0.2
826:	2039	15.0	0.96
826:	2040	7.0	0.34
826:	2041	7.0	0.62
826:	2042	<2.0	1.5
826:	2043	<2.0	0.55
826:	2044	2.0	0.25
826:	2045	3.0	0.27
826:	2046	2.0	0.46
826:	2047	2.0	0.51
826:	2048	2.0	0.4
826:	2049	MS	MS
826:	2050	4.0	0.3

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AUTHORITY:P. MAHEUX

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

PROJECT: 1102

WORK ORDER: 5176D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
826:	2051	15.0	0.31
826:	2052	<2.0	0.22
826:	2053	<2.0	0.42
826:	2054	3.0	0.2
826:	2055	8.0	0.17
826:	2056	96.0	0.25
826:	2057	94.0	0.16
826:	2058	25.0	0.2
826:	2059	30.0	0.17
826:	2060	61.0	0.22
826:	2061	22.0	0.36
826:	2062	34.0	1.08
826:	2063	104.0	0.6
826:	2064	42.0	0.6
826:	2065	140.0	0.43
	0	MS	MS

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5176D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	TOTAL FE %
822:2007	24.77

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

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

AURUM CONSULTANTS
WHITEHORSE, YUKON
P. MAHEUX

FOOTNOTES:
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IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

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19-JUL-88

AUTHORITY:P. MAHEUX

AURUM GEOLOGICAL CONSULTANTS
604, 675 WEST HASTINGS STREET
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PROJECT: 1102

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
822:3000	9.0	2.0
822:2012	2900.0	14.0

BARRINGER MAGENTA
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19-JUL-88

AUTHORITY:P. MAHEUX

PROJECT: 1102

AURUM GEOLOGICAL CONSULTANTS
604, 675 WEST HASTINGS STREET
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WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
39+75N:0+25E	8.0	0.3
39+75N:0+50E	5.0	0.5
39+75N:0+75E	2.0	0.41
39+75N:1+00E	3.0	0.49
39+75N:1+25E	2.0	0.48
39+75N:1+50E	3.0	0.5
39+75N:1+75E	3.0	0.2
39+75N:2+00E	2.0	0.4
39+75N:2+25E	<2.0	0.61
39+75N:2+50E	3.0	0.55
39+75N:2+75E	3.0	0.5
39+75N:3+00E	4.0	0.42
39+75N:3+25E	4.0	0.42
39+75N:3+50E	3.0	0.8
39+75N:3+75E	3.0	0.76
39+75N:4+00E	5.0	0.64
39+75N:4+25E	2.0	0.47
39+75N:4+50E	2.0	0.81
39+75N:4+75E	<2.0	0.49
39+75N:5+00E	2.0	1.2
39+75N:5+25E	2.0	0.66
39+75N:5+50E	3.0	0.8
39+75N:5+75E	<2.0	1.2
39+75N:6+00E	2.0	0.36
39+75N:6+25E	3.0	1.0
39+75N:6+50E	2.0	0.75
39+75N:6+75E	3.0	1.21
39+75N:7+00E	5.0	1.25
39+75N:7+25E	3.0	0.49
39+75N:7+50E	2.0	0.6

BARRINGER MAGENTA
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BARRINGER
Laboratories (NWT) Ltd.
P.O. BOX 864, YELLOWKNIFE, NWT, CANADA X1A 2N6
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19-JUL-88

AUTHORITY:P. MAHEUX

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

PROJECT: 1102

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
39+75N:7+75E	2.0	0.7
39+75N:8+00E	2.0	0.55
39+75N:8+25E	2.0	0.31
39+75N:8+50E	15.0	0.36
39+75N:8+75E	3.0	0.38
39+75N:9+00E	2.0	0.71
39+75N:9+25E	2.0	0.46
39+75N:9+50E	2.0	0.67
39+75N:9+75E	3.0	1.5
39+75N:10+00E	3.0	0.91
39+50N:0+25E	2.0	0.5
39+50N:0+50E	2.0	0.68
39+50N:0+75E	2.0	0.35
39+50N:1+00E	<2.0	0.45
39+50N:1+25E	2.0	0.36
39+50N:1+50E	3.0	0.51
39+50N:1+75E	2.0	0.5
39+50N:2+25E	2.0	0.48
39+50N:2+50E	2.0	0.74
39+50N:2+75E	2.0	0.45
39+50N:3+00E	2.0	0.9
39+50N:3+25E	3.0	0.6
39+50N:3+50E	2.0	0.69
39+50N:3+75E	3.0	1.14
39+50N:4+00E	2.0	0.58
39+50N:4+25E	3.0	0.69
39+50N:4+50E	3.0	0.77
39+50N:4+75E	<2.0	0.78
39+50N:5+00E	2.0	1.48
39+50N:5+25E	7.0	1.2

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PROJECT: 1102

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

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
39+50N:5+50E	3.0	1.55
39+50N:5+75E	2.0	0.38
39+50N:6+00E	3.0	0.85
39+50N:6+25E	2.0	0.39
39+50N:6+50E	2.0	0.2
39+50N:6+75E	<2.0	0.93
39+50N:7+00E	3.0	0.82
39+50N:7+25E	2.0	0.83
39+50N:7+50E	<2.0	0.66
39+50N:7+75E	22.0	1.0
39+50N:8+00E	3.0	0.54
39+50N:8+25E	<2.0	0.9
39+50N:8+50E	<2.0	0.43
39+50N:8+75E	<2.0	0.76
39+50N:9+00E	2.0	1.0
39+50N:9+25E	3.0	1.2
39+50N:9+50E	2.0	1.02
39+50N:9+75E	4.0	0.49
39+50N:10+00E	3.0	0.66
38+75N:2+00W	3.0	0.45
38+75N:1+75W	2.0	0.48
38+75N:1+50W	2.0	0.54
38+75N:1+25W	2.0	0.5
38+75N:1+00W	2.0	0.4
38+75N:0+75W	2.0	0.41
38+75N:0+50W	5.0	0.62
38+75N:0+25W	3.0	0.64
38+75N:0+00W	2.0	0.27
38+75N:0+25E	2.0	0.53
38+75N:0+50E	<2.0	0.44

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PROJECT: 1102

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+75N:0+75E	4.0	0.42
38+75N:1+25E	3.0	0.58
38+75N:1+75E	2.0	0.42
38+50N:2+00W	4.0	0.53
38+50N:1+75W	5.0	0.46
38+50N:1+25W	3.0	0.48
38+50N:1+00W	3.0	0.62
38+50N:0+75W	3.0	0.55
38+50N:0+50W	3.0	0.4
38+50N:0+25W	<2.0	0.25
38+50N:0+00W	<2.0	0.6
38+50N:0+25E	<2.0	0.69
38+50N:0+50E	2.0	0.49
38+50N:0+75E	2.0	0.8
38+50N:1+00E	2.0	0.53
40+00N:0+00E	<2.0	0.42
40+00N:0+25E	<2.0	0.51
40+00N:0+50E	<2.0	0.55
40+00N:0+75E	<2.0	0.4
40+00N:1+00E	2.0	0.25
40+00N:1+25E	<2.0	0.5
40+00N:1+50E	2.0	0.4
40+00N:1+75E	2.0	0.4
40+00N:2+00E	2.0	0.29
40+00N:2+25E	2.0	0.5
40+00N:2+50E	2.0	0.55
40+00N:2+75E	2.0	0.5
40+00N:3+00E	<2.0	0.4
40+00N:3+25E	4.0	0.53
40+00N:3+50E	2.0	0.48

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
40+00N:3+75E	2.0	0.55
40+00N:4+00E	2.0	0.45
40+00N:4+25E	3.0	0.44
40+00N:4+50E	4.0	0.6
40+00N:4+75E	2.0	0.75
40+00N:5+00E	3.0	0.8
40+00N:5+25E	3.0	0.56
40+00N:5+50E	3.0	0.52
40+00N:5+75E	2.0	0.8
40+00N:6+00E	4.0	0.85
40+00N:6+25E	2.0	0.56
40+00N:6+50E	2.0	0.57
40+00N:6+75E	15.0	0.5
40+00N:7+00E	6.0	0.61
40+00N:7+25E	<2.0	0.65
40+00N:7+50E	12.0	0.53
40+00N:7+75E	<2.0	0.77
40+00N:8+00E	5.0	0.8
40+00N:8+25E	2.0	0.57
40+00N:8+50E	5.0	0.4
40+00N:8+75E	<2.0	0.61
40+00N:9+00E	2.0	0.45
40+00N:9+25E	<2.0	0.8
40+00N:9+50E	3.0	0.61
40+00N:9+75E	<2.0	0.21
40+00N:10+00E	<2.0	0.65
39+25N:0+75W	2.0	0.32
39+25N:0+50W	<2.0	0.2
39+25N:0+25W	2.0	0.42
39+25N:0+00W	<2.0	0.41

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
39+25N:0+25E	2.0	0.51
39+25N:0+50E	2.0	0.19
39+25N:0+75E	5.0	0.3
39+25N:1+00E	<2.0	0.29
39+25N:1+25E	5.0	0.5
39+25N:1+50E	3.0	0.3
39+25N:1+75E	<2.0	0.35
39+25N:2+00E	3.0	0.47
39+25N:2+25E	<2.0	0.46
39+25N:2+50E	2.0	0.52
39+25N:2+75E	2.0	0.24
39+25N:3+00E	2.0	0.4
39+25N:3+25E	2.0	0.65
39+25N:3+50E	<2.0	0.65
39+25N:3+75E	<2.0	0.66
39+25N:4+00E	<2.0	0.81
39+25N:4+25E	4.0	1.0
39+25N:4+50E	3.0	0.3
39+25N:4+75E	4.0	1.4
39+25N:5+00E	<2.0	0.62
39+25N:5+25E	<2.0	0.64
39+25N:5+50E	<2.0	0.31
39+25N:5+75E	<2.0	0.64
39+25N:6+25E	2.0	0.57
39+25N:6+50E	2.0	0.59
39+25N:6+75E	3.0	0.48
39+25N:7+00E	2.0	0.47
39+25N:7+25E	2.0	1.04
39+25N:7+50E	2.0	0.73
39+25N:7+75E	3.0	0.47

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

PROJECT: 1102

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
39+25N:8+00E	5.0	0.77
39+00N:0+75W	<2.0	0.7
39+00N:0+50W	3.0	0.5
39+00N:0+25W	<2.0	0.46
39+00N:0+00W	5.0	0.35
39+00N:0+25E	3.0	0.62
39+00N:1+25E	7.0	0.51
39+00N:1+50E	<2.0	0.42
39+00N:1+75E	4.0	0.45
39+00N:2+25E	2.0	0.47
39+00N:2+50E	2.0	0.5
39+00N:2+75E	3.0	0.56
39+00N:3+00E	<2.0	0.48
39+00N:3+25E	40.0	0.52
39+00N:3+50E	3.0	0.66
39+00N:3+75E	3.0	0.7
39+00N:4+00E	2.0	0.55
39+00N:4+25E	2.0	0.34
39+00N:4+50E	2.0	0.7
39+00N:4+75E	<2.0	0.41
39+00N:5+00E	2.0	0.75
39+00N:5+25E	2.0	0.24
39+00N:6+25E	<2.0	0.24
39+00N:6+50E	<2.0	0.73
39+00N:6+75E	2.0	0.47
39+00N:7+00E	<2.0	1.75
39+00N:7+25E	2.0	0.81
39+00N:7+50E	2.0	0.8
39+00N:7+75E	2.0	0.26
29+00N:3+00E	3.0	0.16

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COPY: 1 OF 4

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PROJECT: 1102

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5191D-88

ATTN: T. GARAGAN

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

GEOCHEMICAL LABORATORY REPORT

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM GEOLOGICAL CONSULT
WHITEHORSE, YUKON
P. MAHEUX

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

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.
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26-JUL-88
PAGE: 1 OF 2
COPY: 3 OF 4
C O P Y
PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5217D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8222020	2.0	1.16
8222021	182.0	9.2
8216006	44.0	3.6
8216007	42.0	6.2
8216008	61.0	4.45
8216009	83.0	4.35

CH Trench #5 ✓ ✓
Trench DP ✓ ✓ ✓ WAT

Plotted.

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PAGE: 2 OF 2
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AUTHORITY: P. MAHEUX

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BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5217D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

Trench #5

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8263247	19.0	1.14
8263248	100.0	2.0
8263249	6.0	1.1

Rock Pul

no rock sample descriptions

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

Plotted.

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

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AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5206D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
37+50N:1+75W	3.0	0.52
37+50N:1+50W	<2.0	0.49
37+50N:1+25W	2.0	0.55
37+50N:1+00W	2.0	0.52
37+50N:0+50E	<2.0	0.38
37+50N:1+75E	<2.0	0.35
37+50N:2+00E	2.0	0.28
37+50N:2+25E	<2.0	0.43
37+50N:2+50E	3.0	0.4
37+50N:2+75E	3.0	0.4
37+50N:3+00E	2.0	0.43
37+50N:3+25E	<2.0	0.6
37+50N:3+50E	<2.0	0.46
37+50N:3+75E	3.0	0.61
37+50N:4+00E	2.0	0.43
37+50N:4+25E	<2.0	0.49
37+50N:4+50E	<2.0	0.46
37+50N:5+00E	2.0	0.5
37+50N:5+25E	5.0	0.36
37+50N:5+50E	3.0	0.48
37+50N:6+00E	3.0	0.9
37+50N:6+25E	2.0	0.95
37+50N:6+50E	<2.0	0.85
37+50N:6+75E	<2.0	0.85
37+50N:7+00E	2.0	0.7
37+25N:2+00W	<2.0	0.42
37+25N:1+75W	2.0	0.41
37+25N:1+50W	2.0	0.52
37+25N:1+25W	3.0	0.29
37+25N:1+00W	3.0	0.37

NAT GRID

Plotted

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WHITEHORSE, YUKON

WORK ORDER: 5206D-88

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
37+25N:0+75W	2.0	0.45
37+25N:1+25E	3.0	0.38
37+25N:2+25E	3.0	0.46
37+25N:2+50E	2.0	0.52
37+25N:2+75E	3.0	0.42
37+25N:3+00E	2.0	0.4
37+25N:3+25E	<2.0	0.51
37+25N:3+50E	<2.0	0.55
37+25N:3+75E	<2.0	0.41
37+25N:4+00E	<2.0	0.4
37+25N:4+25E	<2.0	0.31
37+25N:4+50E	<2.0	0.44
37+25N:4+75E	3.0	0.61
37+25N:5+00E	3.0	0.63
37+25N:5+25E	3.0	0.75
37+25N:5+50E	3.0	0.51
37+25N:6+00E	2.0	0.85
37+00N:2+00W	2.0	0.43
37+00N:1+75W	2.0	0.55
37+00N:1+50W	2.0	0.43
37+00N:1+25W	3.0	0.47
37+00N:0+75W	2.0	0.3
37+00N:0+50W	2.0	0.28
37+00N:0+25W	MS	MS
37+00N:0+00W	MS	MS
37+00N:0+25E	MS	MS
37+00N:0+50E	MS	MS
37+00N:1+25E	3.0	0.45
37+00N:1+50E	2.0	0.47
37+00N:1+75E	2.0	0.44

Grid

Plotted

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C O P Y
PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
P.O. BOX 5179,
WHITEHORSE, YUKON

WORK ORDER: 5206D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
37+00N:2+00E	2.0	0.31
37+00N:2+25E	2.0	0.54
37+00N:2+50E	2.0	0.3
37+00N:2+75E	6.0	0.31
37+00N:3+00E	3.0	0.48
37+00N:3+25E	2.0	0.58
37+00N:3+50E	3.0	0.42
37+00N:3+75E	2.0	0.26
37+00N:4+00E	3.0	0.24
37+00N:4+25E	2.0	0.38
37+00N:4+50E	2.0	0.45
37+00N:4+75E	2.0	0.54
37+00N:5+00E	3.0	0.44
37+00N:5+25E	3.0	0.87
37+00N:5+50E	2.0	0.48
37+00N:5+75E	2.0	0.66
37+00N:6+00E	2.0	0.71
36+75N:2+00W	2.0	0.47
36+75N:1+75W	<2.0	0.43
36+75N:1+50W	<2.0	0.29
36+75N:1+25W	2.0	0.33
36+75N:1+00W	2.0	0.7
36+75N:0+75W	4.0	0.35
36+75N:0+50W	3.0	0.26
36+75N:0+25W	3.0	0.18
36+75N:1+50E	<2.0	0.43
36+75N:1+75E	<2.0	0.46
36+75N:2+00E	<2.0	0.33
36+75N:2+25E	<2.0	0.57
36+75N:2+50E	<2.0	0.5

Plotted.

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PAGE: 4 OF 11
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
36+75N:2+75E	2.0	0.44
36+75N:3+00E	<2.0	0.47
36+75N:3+25E	3.0	0.31
36+75N:3+50E	<2.0	0.4
36+75N:3+75E	<2.0	0.43
36+75N:4+00E	<2.0	0.35
36+75N:4+25E	<2.0	0.45
36+75N:4+50E	<2.0	0.44
36+75N:4+75E	<2.0	0.39
36+75N:5+00E	<2.0	0.47
36+75N:5+25E	<2.0	0.22
36+75N:5+50E	<2.0	0.44
36+75N:5+75E	2.0	0.7
36+75N:6+00E	<2.0	0.7
36+50N:2+00W	<2.0	0.46
36+50N:1+75W	<2.0	0.4
36+50N:1+25W	<2.0	0.38
36+50N:1+00W	<2.0	0.32
36+50N:0+75W	3.0	0.22
36+50N:0+50W	2.0	0.22
36+50N:1+75E	2.0	0.32
36+50N:2+00E	2.0	0.28
36+50N:2+25E	4.0	0.27
36+50N:2+50E	3.0	0.33
36+50N:3+00E	11.0	0.4
36+50N:3+25E	2.0	0.35
36+50N:3+50E	3.0	0.5
36+50N:4+00E	<2.0	0.46
36+50N:4+25E	<2.0	0.48
36+50N:4+75E	2.0	0.5

Plotted.

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26-JUL-88
PAGE: 5 OF 11
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
36+50N:5+00E	4.0	0.63
36+25N:2+00W	2.0	0.45
36+25N:1+75W	2.0	0.27
36+25N:1+50W	2.0	0.27
36+25N:1+25W	<2.0	0.25
36+25N:1+00W	<2.0	0.18
36+25N:0+75W	5.0	0.28
36+25N:0+50W	2.0	0.17
36+25N:0+25W	2.0	0.13
36+25N:1+75E	2.0	0.28
36+25N:2+00E	11.0	0.45
36+25N:2+25E	<2.0	0.22
36+25N:2+50E	3.0	0.33
36+25N:2+75E	2.0	0.32
36+25N:3+00E	<2.0	0.3
36+25N:3+25E	3.0	0.38
36+25N:3+50E	<2.0	0.5
36+25N:3+75E	2.0	0.45
36+25N:4+00E	<2.0	0.41
36+25N:4+25E	2.0	0.4
36+25N:4+50E	2.0	0.36
36+25N:4+75E	3.0	0.33
36+25N:5+00E	3.0	0.39
36+25N:5+25E	<2.0	0.61
36+25N:5+50E	2.0	0.54
36+25N:6+00E	2.0	0.55
36+00N:2+00W	3.0	0.55
36+00N:1+75W	3.0	0.37
36+00N:1+50W	<2.0	0.39
36+00N:1+25W	<2.0	0.2

Plotted.

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26-JUL-88
PAGE: 6 OF 11
COPY: 3 OF 4
C O P Y
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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
36+00N:1+00W	2.0	0.24
36+00N:0+75W	2.0	0.2
36+00N:0+25W	2.0	0.15
36+00N:0+00W	<2.0	0.2
36+00N:0+25E	<2.0	0.14
36+00N:1+75E	2.0	0.32
36+00N:2+00E	2.0	0.22
36+00N:2+25E	3.0	0.24
36+00N:2+50E	2.0	0.32
36+00N:2+75E	2.0	0.28
36+00N:3+00E	2.0	0.26
36+00N:3+25E	48.0	0.35
36+00N:3+50E	3.0	0.4
36+00N:3+75E	<2.0	0.3
36+00N:4+00E	2.0	0.48
36+00N:4+25E	2.0	0.43
36+00N:4+50E	<2.0	0.23
36+00N:5+00E	<2.0	0.28
36+00N:5+25E	<2.0	0.41
36+00N:6+00E	<2.0	0.66
35+75N:2+00W	3.0	0.47
35+75N:1+75W	2.0	0.18
35+75N:1+50W	2.0	0.14
35+75N:1+25W	2.0	0.18
35+75N:1+00W	2.0	0.22
35+75N:0+75W	2.0	0.3
35+75N:0+25W	2.0	0.1
35+75N:0+00W	13.0	0.11
35+75N:1+25E	3.0	0.19
35+75N:1+50E	<2.0	0.18

Plotted.

Dies with soil

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26-JUL-88
PAGE: 7 OF 11
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
35+75N:2+00E	2.0	0.22
35+75N:2+25E	<2.0	0.11
35+75N:2+50E	<2.0	0.16
35+75N:2+75E	<2.0	0.2
35+75N:3+00E	2.0	0.24
35+75N:3+25E	2.0	0.27
35+75N:3+50E	<2.0	0.26
35+75N:3+75E	<2.0	0.22
35+75N:4+00E	<2.0	0.5
35+75N:4+50E	2.0	0.15
35+75N:4+75E	2.0	0.31
35+75N:5+00E	2.0	0.3
35+50N:2+00W	2.0	0.33
35+50N:1+75W	2.0	0.2
35+50N:1+50W	2.0	0.25
35+50N:1+25W	2.0	0.21
35+50N:1+00W	<2.0	0.1
35+50N:0+75W	2.0	0.1
35+50N:0+25W	3.0	0.08
35+50N:0+00W	<2.0	0.05
35+50N:0+75E	2.0	0.17
35+50N:1+25E	2.0	0.18
35+50N:1+50E	3.0	0.17
35+50N:1+75E	2.0	0.16
35+50N:2+00E	3.0	0.13
35+50N:2+25E	<2.0	0.19
35+50N:2+50E	<2.0	0.22
35+50N:2+75E	2.0	0.19
35+50N:3+00E	2.0	0.17
35+50N:3+25E	<2.0	0.22

Plotted.

Grid

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26-JUL-88
PAGE: 8 OF 11
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
35+50N:3+50E	<2.0	0.14
35+50N:3+75E	<2.0	0.4
35+50N:4+00E	5.0	0.41
35+50N:4+25E	2.0	0.27
35+50N:4+50E	3.0	0.29
35+50N:4+75E	2.0	0.3
35+50N:5+00E	2.0	0.17
35+25N:2+00W	2.0	0.2
35+25N:1+75W	2.0	0.2
35+25N:1+50W	2.0	0.26
35+25N:1+25W	3.0	0.22
35+25N:1+00W	2.0	0.11
35+25N:0+75W	<2.0	0.12
35+25N:0+25E	<2.0	0.1
35+25N:0+50E	2.0	0.15
35+25N:0+75E	<2.0	0.1
35+25N:1+00E	<2.0	0.1
35+25N:1+50E	<2.0	0.08
35+25N:1+75E	2.0	0.1
35+25N:2+00E	3.0	0.1
35+25N:2+25E	2.0	0.04
35+25N:2+50E	<2.0	0.13
35+25N:2+75E	<2.0	0.24
35+25N:3+00E	<2.0	0.23
35+25N:3+25E	3.0	0.13
35+25N:3+50E	2.0	0.14
35+25N:3+75E	2.0	0.27
35+25N:4+00E	2.0	0.41
35+25N:4+25E	3.0	0.37
35+25N:4+50E	10.0	0.2

Plotted.

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PAGE: 9 OF 11
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
35+25N:4+75E	2.0	0.23
35+25N:5+00E	5.0	0.25
35+00N:2+00W	2.0	0.18
35+00N:1+75W	2.0	0.17
35+00N:1+50W	<2.0	0.32
35+00N:1+25W	2.0	0.26
35+00N:1+00W	2.0	0.18
35+00N:0+75W	4.0	0.15
35+00N:0+25E	<2.0	0.12
35+00N:0+75E	<2.0	0.1
35+00N:1+00E	<2.0	0.08
35+00N:1+25E	2.0	0.08
35+00N:1+50E	2.0	0.09
35+00N:1+75E	5.0	0.13
35+00N:2+00E	2.0	0.1
34+75N:1+75W	3.0	0.23
34+75N:1+50W	2.0	0.25
34+75N:1+25W	7.0	0.19
34+75N:1+00W	11.0	0.24
34+75N:0+75W	2.0	0.11
34+75N:0+50W	2.0	0.24
34+75N:0+25W	3.0	0.15
34+75N:0+00W	2.0	0.1
34+75N:0+25E	2.0	0.25
34+75N:0+75E	2.0	0.11
34+75N:1+00E	3.0	0.12
34+75N:1+25E	2.0	0.21
34+75N:1+50E	2.0	0.06
34+75N:1+75E	2.0	0.08
34+75N:2+00E	2.0	0.1

Grids

Plotted.

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PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
34+75N:2+25E	5.0	0.03
34+75N:2+50E	2.0	0.06
34+75N:2+75E	2.0	0.12
34+75N:3+00E	2.0	0.2
34+75N:3+25E	2.0	0.17
34+75N:3+50E	4.0	0.35
34+75N:3+75E	2.0	0.22
34+75N:4+00E	3.0	0.15
34+00N:1+75W	15.0	0.2
34+00N:1+50W	2.0	0.4
34+00N:1+25W	2.0	0.3
34+00N:1+00W	5.0	0.11
34+00N:0+75W	2.0	0.19
34+00N:0+50W	3.0	0.15
34+00N:0+25W	2.0	0.15
34+00N:0+00W	2.0	0.22
34+00N:0+50E	2.0	0.08
34+00N:1+00E	2.0	0.18
34+00N:1+25E	3.0	0.16
34+00N:1+50E	<2.0	0.18
34+00N:1+75E	<2.0	0.17
34+00N:2+00E	<2.0	0.1
34+00N:2+25E	2.0	0.16
34+00N:2+50E	2.0	0.1
34+00N:2+75E	3.0	0.12
34+00N:3+00E	2.0	0.15
34+00N:3+25E	2.0	0.26
34+00N:3+50E	4.0	0.15
34+00N:4+00E	2.0	0.16

Plotted.

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26-JUL-88
PAGE: 11 OF 11
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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GEOCHEMICAL LABORATORY REPORT

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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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
822:: 6013	43.0	0.05
822:: 6014	3.0	0.02

wat

Plotted.

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ATTN: P. MAHEUX

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+75N:2+25E	<2.0	0.3
38+75N:2+50E	<2.0	0.31
38+75N:3+00E	2.0	0.61
38+75N:3+25E	<2.0	0.6
38+75N:3+50E	2.0	0.67
38+75N:3+75E	2.0	0.55
38+75N:4+00E	3.0	0.39
38+75N:4+25E	2.0	0.41
38+75N:4+50E	2.0	0.6
38+75N:4+75E	<2.0	0.66
38+75N:5+00E	<2.0	1.15
38+75N:5+50E	MS	MS
38+75N:6+00E	3.0	0.65
38+75N:6+25E	2.0	0.58
38+75N:6+50E	2.0	0.96
38+75N:6+75E	<2.0	0.54
38+75N:7+00E	<2.0	0.3
38+75N:7+25E	3.0	0.46
38+75N:7+50E	<2.0	0.6
38+75N:7+75E	2.0	0.41
38+75N:8+00E	<2.0	1.0
38+50N:1+50E	2.0	0.33
38+50N:1+75E	2.0	0.61
38+50N:2+00E	2.0	0.49
38+50N:2+25E	2.0	0.3
38+50N:2+50E	<2.0	0.4
38+50N:2+75E	<2.0	0.34
38+50N:3+25E	<2.0	0.57
38+50N:3+50E	<2.0	0.44
38+50N:3+75E	2.0	0.41

WAT Geo

Plotted.

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.
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C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5201D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+50N:4+00E	2.0	0.32
38+50N:4+25E	<2.0	0.71
38+50N:4+50E	<2.0	0.7
38+50N:4+75E	<2.0	0.51
38+50N:5+50E	<2.0	0.54
38+50N:6+00E	<2.0	0.76
38+50N:6+25E	2.0	0.64
38+50N:6+50E	2.0	0.78
38+50N:6+75E	2.0	0.56
38+50N:7+00E	<2.0	0.7
38+50N:7+25E	3.0	0.44
38+50N:7+50E	2.0	1.02
38+50N:7+75E	2.0	0.53
38+50N:8+00E	2.0	1.55
38+25N:1+50W	3.0	0.44
38+25N:1+25W	2.0	0.27
38+25N:1+00W	3.0	0.4
38+25N:0+75W	2.0	0.39
38+25N:0+50W	3.0	0.33
38+25N:0+25W	2.0	0.44
38+25N:0+00W	3.0	0.4
38+25N:0+25E	4.0	0.51
38+25N:0+50E	2.0	0.54
38+25N:0+75E	6.0	0.5
38+25N:1+00E	3.0	0.31
38+25N:1+25E	<2.0	0.4
38+25N:1+50E	2.0	0.55
38+25N:1+75E	<2.0	0.66
38+25N:2+00E	4.0	0.46
38+25N:2+25E	2.0	0.4

Plotted.

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PAGE: 5 OF 19
COPY: 4 OF 4
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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+25N:2+50E	3.0	0.54
38+25N:2+75E	2.0	0.6
38+25N:3+00E	2.0	0.47
38+25N:3+25E	2.0	0.67
38+25N:3+50E	2.0	0.45
38+25N:3+75E	2.0	0.48
38+25N:4+00E	2.0	0.41
38+25N:4+25E	2.0	0.5
38+25N:4+50E	2.0	0.5
38+25N:4+75E	5.0	0.73
38+25N:5+25E	8.0	0.55
38+25N:5+50E	3.0	0.83
38+25N:6+50E	<2.0	0.7
38+25N:6+75E	<2.0	0.68
38+25N:7+00E	<2.0	0.77
38+00N:2+00W	<2.0	0.46
38+00N:1+75W	<2.0	0.62
38+00N:1+50W	2.0	0.68
38+00N:1+25W	3.0	0.47
38+00N:1+00W	2.0	0.33
38+00N:0+75W	2.0	0.3
38+00N:0+50W	2.0	0.41
38+00N:0+25W	2.0	0.37
38+00N:0+00W	<2.0	0.51
38+00N:0+25E	<2.0	0.6
38+00N:0+50E	2.0	0.55
38+00N:0+75E	2.0	0.54
38+00N:1+00E	4.0	0.6
38+00N:1+50E	<2.0	0.36
38+00N:1+75E	2.0	0.41

WIT Grid

Plotted

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+00N:2+00E	2.0	0.4
38+00N:2+25E	2.0	0.31
38+00N:2+50E	3.0	0.48
38+00N:2+75E	<2.0	0.7
38+00N:3+00E	3.0	0.57
38+00N:3+25E	2.0	0.6
38+00N:3+50E	2.0	0.48
38+00N:3+75E	<2.0	0.65
38+00N:4+00E	4.0	0.67
38+00N:4+50E	2.0	0.75
38+00N:4+75E	2.0	0.66
38+00N:5+25E	2.0	0.6
38+00N:5+50E	2.0	0.56
38+00N:5+75E	3.0	1.03
38+00N:6+00E	<2.0	0.81
37+75N:2+00W	2.0	0.62
37+75N:1+75W	2.0	0.6
37+75N:1+50W	4.0	0.6
37+75N:1+25W	2.0	0.62
37+75N:1+00W	<2.0	0.65
37+75N:0+75W	2.0	0.4
37+75N:0+50W	2.0	0.25
37+75N:0+25E	2.0	0.46
37+75N:0+50E	3.0	0.52
37+75N:0+75E	3.0	0.44
37+75N:1+75E	2.0	0.67
37+75N:2+00E	2.0	0.44
37+75N:2+25E	<2.0	0.51
37+75N:2+50E	<2.0	0.45
37+75N:2+75E	<2.0	0.6

Plotted

WAT
Grid

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ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
37+75N:3+00E	<2.0	0.45
37+75N:3+25E	3.0	0.59
37+75N:3+50E	<2.0	0.55
37+75N:3+75E	2.0	0.61
37+75N:4+00E	2.0	0.5
37+75N:4+25E	2.0	0.66
37+75N:4+50E	<2.0	0.46
37+75N:5+25E	<2.0	0.68
37+75N:5+50E	<2.0	0.5
37+75N:5+75E	<2.0	0.8
37+75N:6+00E	2.0	1.05
37+75N:6+25E	<2.0	1.2
37+75N:6+75E	<2.0	1.24
37+75N:7+00E	<2.0	1.0
35+00N:2+25E	<2.0	0.12
35+00N:2+50E	2.0	0.13
35+00N:2+75E	2.0	0.21
35+00N:3+00E	2.0	0.26
35+00N:3+25E	2.0	0.25
35+00N:3+50E	<2.0	0.31
35+00N:4+00E	<2.0	0.62
35+00N:4+25E	3.0	0.2
35+00N:4+50E	3.0	0.24
35+00N:4+75E	<2.0	0.19
35+00N:5+00E	2.0	0.39
34+50N:1+75W	2.0	0.29
34+50N:1+50W	<2.0	0.15
34+50N:1+25W	<2.0	0.24
34+50N:1+00W	2.0	0.14
34+50N:0+75W	2.0	0.14

WAT (Au)

Plotted

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
34+50N:0+25W	2.0	0.17
34+50N:0+75E	<2.0	0.1
34+50N:1+00E	<2.0	0.11
34+50N:1+25E	<2.0	0.07
34+50N:1+50E	<2.0	0.08
34+50N:1+75E	2.0	0.1
34+50N:2+00E	<2.0	0.09
34+50N:2+25E	<2.0	0.11
34+50N:2+50E	<2.0	0.12
34+50N:2+75E	<2.0	0.12
34+50N:3+00E	<2.0	0.17
34+50N:4+00E	<2.0	0.26
34+25N:2+00W	<2.0	0.7
34+25N:1+75W	<2.0	0.35
34+25N:1+50W	<2.0	0.29
34+25N:1+00W	<2.0	0.15
34+25N:0+75W	<2.0	0.2
34+25N:0+50W	<2.0	0.15
34+25N:0+25W	2.0	0.24
34+25N:0+00W	2.0	0.4
34+25N:1+50E	<2.0	0.1
34+25N:1+75E	<2.0	0.1
34+25N:2+00E	<2.0	0.11
34+25N:2+25E	<2.0	0.17
34+25N:2+50E	<2.0	0.1
34+25N:2+75E	<2.0	0.2
34+25N:3+00E	<2.0	0.08
34+25N:4+00E	2.0	0.17
33+75N:1+00W	2.0	0.5
33+75N:0+75W	3.0	0.22

Plotted

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WORK ORDER: 5201D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
33+75N:0+25W	<2.0	0.11
33+75N:0+00W	<2.0	0.12
33+75N:0+25E	<2.0	0.1
33+75N:0+50E	<2.0	0.1
33+75N:0+75E	<2.0	0.06
33+75N:1+00E	3.0	0.08
33+75N:1+25E	<2.0	0.1
33+75N:1+50E	<2.0	0.06
33+75N:1+75E	2.0	0.12
33+75N:2+00E	<2.0	0.08
33+75N:2+25E	<2.0	0.08
33+75N:2+50E	<2.0	0.07
33+75N:2+75E	<2.0	0.13
33+75N:3+00E	8.0	0.1
33+75N:3+25E	2.0	0.22
33+75N:3+50E	2.0	0.02
33+75N:4+00E	40.0	0.06
33+50N:1+00W	2.0	0.15
33+50N:0+75W	<2.0	0.03
33+50N:0+00W	2.0	0.03
33+50N:0+25E	2.0	0.07
33+50N:0+50E	2.0	0.08
33+50N:0+75E	11.0	0.14
33+50N:1+00E	7.0	0.08
33+50N:1+25E	2.0	0.08
33+50N:1+75E	2.0	0.07
33+50N:2+00E	2.0	<0.02
33+50N:2+25E	5.0	0.1
33+50N:2+50E	2.0	0.11
33+50N:2+75E	2.0	0.11

W.F. Grid

Plotted

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
33+50N:3+00E	2.0	0.03
33+50N:3+50E	<2.0	0.1
33+50N:3+75E	2.0	0.02
33+25N:1+00W	2.0	0.15
33+25N:0+75W	2.0	0.13
33+25N:0+50W	3.0	0.08
33+25N:0+25W	4.0	0.18
33+25N:0+00W	3.0	0.1
33+25N:0+25E	2.0	0.04
33+25N:0+50E	3.0	0.21
33+25N:0+75E	2.0	0.14
33+25N:1+00E	2.0	0.24
33+25N:1+25E	10.0	0.14
33+25N:1+50E	<2.0	0.24
33+25N:1+75E	31.0	0.05
33+25N:2+00E	2.0	0.09
33+25N:2+25E	<2.0	0.13
33+25N:2+50E	2.0	0.13
33+25N:2+75E	2.0	0.07
33+25N:3+00E	2.0	0.52
33+25N:3+25E	2.0	0.23
33+25N:4+00E	<2.0	0.22
33+00N:1+00W	<2.0	0.22
33+00N:0+75W	3.0	0.36
33+00N:0+50W	9.0	0.14
33+00N:0+25W	3.0	0.2
33+00N:0+00W	2.0	0.22
33+00N:0+25E	2.0	0.22
33+00N:0+50E	2.0	0.1
33+00N:0+75E	2.0	0.15

Plotted

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PAGE: 11 OF 19
COPY: 4 OF 4
C O P Y
PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
33+00N:1+00E	2.0	0.13
33+00N:1+25E	<2.0	3.4
33+00N:1+50E	<2.0	0.11
33+00N:1+75E	<2.0	0.06
33+00N:2+00E	<2.0	0.04
33+00N:2+25E	<2.0	0.06
33+00N:2+50E	<2.0	0.2
33+00N:2+75E	<2.0	0.06
33+00N:3+00E	<2.0	0.15
33+00N:3+25E	2.0	0.2
33+00N:3+75E	2.0	0.08
33+00N:4+00E	2.0	0.2
32+75N:1+00W	2.0	0.14
32+75N:0+75W	<2.0	0.27
32+75N:0+50W	<2.0	0.25
32+75N:0+25W	<2.0	0.21
32+75N:0+25E	5.0	0.21
32+75N:0+50E	<2.0	0.14
32+75N:0+75E	2.0	0.12
32+75N:1+00E	2.0	0.05
32+75N:1+25E	2.0	0.06
32+75N:1+50E	2.0	0.04
32+75N:1+75E	2.0	0.02
32+75N:2+00E	2.0	0.2
32+75N:2+25E	2.0	0.13
32+75N:2+50E	<2.0	0.08
32+75N:2+75E	<2.0	0.13
32+75N:3+00E	<2.0	0.15
32+75N:3+25E	IS	IS
32+75N:3+50E	<2.0	0.11

Plotted

WRT grid

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28-JUL-88
PAGE: 12 OF 19
COPY: 4 OF 4
C O P Y
PROJECT: 1102

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
32+50N:1+00W	<2.0	0.22
32+50N:0+75W	<2.0	0.21
32+50N:0+50W	<2.0	0.19
32+50N:0+25W	<2.0	0.23
32+50N:0+00W	<2.0	0.4
32+50N:0+25E	<2.0	0.17
32+50N:0+50E	<2.0	0.14
32+50N:0+75E	3.0	0.22
32+50N:1+00E	2.0	0.2
32+50N:1+25E	<2.0	0.08
32+50N:1+50E	<2.0	0.02
32+50N:1+75E	<2.0	0.11
32+50N:2+00E	3.0	0.07
32+50N:2+25E	2.0	0.04
32+50N:2+50E	2.0	0.02
32+50N:2+75E	<2.0	0.29
32+50N:3+00E	<2.0	0.13
32+50N:3+25E	<2.0	0.1
32+50N:3+50E	3.0	0.04
32+25N:1+00W	2.0	0.31
32+25N:0+75W	<2.0	0.21
32+25N:0+50W	<2.0	0.13
32+25N:0+25W	<2.0	0.33
32+25N:0+00W	4.0	0.14
32+25N:0+25E	<2.0	0.08
32+25N:0+50E	<2.0	0.22
32+25N:0+75E	<2.0	0.13
32+25N:1+00E	2.0	0.12
32+25N:1+25E	2.0	0.38
32+25N:1+50E	2.0	0.04

W.R. Grid

Plotted.

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COPY: 4 OF 4
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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
32+25N:1+75E	2.0	0.06
32+25N:2+00E	2.0	0.06
32+25N:2+25E	2.0	0.07
32+25N:2+50E	<2.0	0.08
32+25N:2+75E	<2.0	0.54
32+25N:3+00E	<2.0	0.16
32+25N:3+25E	2.0	0.1
32+25N:3+50E	2.0	0.11
32+00N:1+00W	<2.0	0.11
32+00N:0+50W	<2.0	0.23
32+00N:0+25W	2.0	0.13
32+00N:0+00W	3.0	0.15
32+00N:0+25E	2.0	0.16
32+00N:0+50E	2.0	0.14
32+00N:0+75E	<2.0	0.18
32+00N:1+00E	<2.0	0.1
32+00N:1+25E	<2.0	0.1
32+00N:1+50E	2.0	0.12
32+00N:1+75E	2.0	0.18
32+00N:2+00E	2.0	0.08
32+00N:2+25E	2.0	0.09
32+00N:2+50E	2.0	0.1
32+00N:2+75E	2.0	0.02
32+00N:3+00E	2.0	0.12
32+00N:3+25E	<2.0	0.04
32+00N:3+50E	<2.0	0.04
32+00N:3+75E	<2.0	0.04
32+00N:4+00E	2.0	0.09
31+75N:1+00W	3.0	0.13
31+75N:0+75W	<2.0	0.15

Plotted.

WAT Geol

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28-JUL-88

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

AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5201D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
31+75N:0+50W	<2.0	0.17
31+75N:0+25W	<2.0	0.22
31+75N:0+00W	<2.0	0.18
31+75N:0+25E	<2.0	0.23
31+75N:0+50E	<2.0	0.25
31+75N:0+75E	<2.0	0.03
31+75N:1+00E	<2.0	0.1
31+75N:1+25E	2.0	0.22
31+75N:1+50E	4.0	0.04
31+75N:1+75E	3.0	0.14
31+75N:2+00E	2.0	0.09
31+75N:2+25E	2.0	0.22
31+75N:2+50E	3.0	0.28
31+75N:3+50E	2.0	0.02
31+75N:3+75E	<2.0	0.1
31+50N:1+00W	<2.0	0.12
31+50N:0+50W	<2.0	0.3
31+50N:0+00W	<2.0	0.4
31+50N:0+25E	<2.0	0.29
31+50N:0+50E	<2.0	0.2
31+50N:0+75E	<2.0	0.28
31+50N:1+00E	2.0	0.22
31+50N:1+25E	2.0	0.15
31+50N:1+50E	<2.0	0.16
31+50N:1+75E	<2.0	0.1
31+50N:2+00E	11.0	0.1
31+50N:2+25E	2.0	0.17
31+50N:2+50E	2.0	0.1
31+25N:1+00W	2.0	0.08
31+25N:0+75W	2.0	0.13

Plotted

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*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
31+25N:0+50W	2.0	0.32
31+25N:0+25W	3.0	0.39
31+25N:0+00W	2.0	0.35
31+25N:0+25E	2.0	0.32
31+25N:0+50E	<2.0	0.3
31+25N:0+75E	<2.0	0.14
31+25N:1+00E	2.0	0.25
31+25N:1+25E	2.0	0.41
31+25N:1+50E	<2.0	0.02
31+25N:1+75E	<2.0	0.08
31+25N:2+00E	<2.0	0.17
31+25N:2+25E	<2.0	0.36
31+25N:2+50E	<2.0	0.1
31+25N:3+25E	4.0	0.14
31+25N:4+00E	2.0	0.22

WAIT GRID

Plotted

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BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5201D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
38+50N:3+00E	2.0	0.48

WHT Grid

Plotted.

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128251	2.0	0.6
128252	3.0	0.4
128253	10.0	0.18
128254	15.0	0.1
128255	2.0	0.17
128256	3.0	0.14
128257	5.0	0.1
128258	2.0	0.14
128259	3.0	0.2
128260	2.0	0.32
128261	2.0	0.37
128262	2.0	0.4
128263	2.0	0.22
128264	<2.0	0.4
128265	<2.0	0.45
128266	76.0	0.46
128267	2.0	0.36
128268	3.0	0.58
128269	2.0	0.52
128270	2.0	0.72
128271	5.0	0.5
128272	2.0	0.4
128273	2.0	0.5
128274	2.0	0.4
128275	44.0	0.4
128276	2.0	0.18
128277	<2.0	0.14

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PROJECT: 1102

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ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8226015	8.0	0.1 ✓
8226016	3.0	<0.02 ✓
8226017	3.0	0.1 ✓
8226018	4.0	4.0 ✓
8226019	2.0	<0.02 ✓
8226020	2.0	0.36 ✓
8226005	2.0	0.02 ✓
8222017	<2.0	2.04 ✓
8222018	<2.0	0.1 ✓
8222019	3.0	1.15 ✓
8212015	2.0	0.1 ✓
8212016	4.0	0.1 ✓

plotted Aug 14/88 DP

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VANCOUVER, B.C. V6B 1N2

WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8263160	3.0	0.25
8263161	3.0	0.3
8263162	2.0	0.3
8263163	2.0	0.25
8263164	3.0	0.39
8263165	7.0	0.29
8263166	3.0	0.7
8263167	4.0	0.3
8263168	3.0	0.2
8263169	2.0	0.34
8263170	3.0	0.3
8263171	2.0	0.37
8263172	2.0	0.31
8263173	2.0	0.11
8263174	<2.0	0.14
8263175	<2.0	0.3
8263176	3.0	0.14
8263177	2.0	0.16
8263178	3.0	0.16
8263179	3.0	0.1
8263180	3.0	0.28
8263181	4.0	0.08
8263182	<2.0	0.28
8263183	<2.0	0.19
8263184	2.0	0.32
8263185	4.0	0.15
8263186	14.0	0.36
8263187	2.0	0.09
8263188	2.0	0.12
8263189	2.0	0.2

Soil contour Sk portion of SAID-Talk plotted Sept 13/88 AM

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WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8263190	2.0	0.11
8263191	3.0	0.17
8263192	6.0	0.28
8263193	2.0	0.12
8263194	2.0	0.12
8263195	3.0	0.22
8263196	2.0	0.31
8263197	2.0	0.16
8263198	3.0	0.24
8263199	2.0	0.18
8263200	2.0	0.12
8263201	<2.0	0.12
8263202	<2.0	0.13
8263203	<2.0	0.14
8263204	2.0	0.12
8263205	<2.0	0.16
8263206	<2.0	0.09
8263207	<2.0	0.11
8263208	8.0	0.18
8263209	3.0	0.16
8263210	2.0	0.06
8263211	<2.0	0.06
8263212	2.0	0.15
8263213	5.0	0.06
8263214	2.0	0.15
8263215	2.0	0.16
8263216	<2.0	0.3
8263217	2.0	0.18
8263218	2.0	0.13
8263219	2.0	0.12

Soil contour SE Sample Trend plotted Sept. 13/88 PM

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WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8263220	3.0	0.18
8263221	2.0	0.51
8263222	3.0	0.6
8263223	2.0	0.28
8263224	<2.0	0.17
8263225	2.0	0.2
8263226	2.0	0.5
8263227	2.0	0.4
8263228	2.0	0.16
8263229	3.0	0.14
8263230	2.0	0.11
8263231	5.0	0.21
8263232	<2.0	0.08
8263233	<2.0	0.21
8263234	<2.0	0.18
8263235	3.0	0.32
8263236	2.0	0.23
8263237	3.0	0.24
8263238	3.0	0.29
8263239	2.0	0.29
8263240	8.0	0.16
8263241	3.0	0.22
8263242	2.0	0.23
8263243	2.0	0.14
8263244	<2.0	0.27
8263245	2.0	0.14
8263246	4.0	0.16
8261058	3.0	0.25
8261059	2.0	0.2
8261060	2.0	0.24

See Std Dev Tbl
Soil contours.

plotted
Sept 13/88

ppm

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

WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8261061	3.0	0.52
8261062	<2.0	0.3
8261063	4.0	0.16
8261064	4.0	0.22
8261065	3.0	0.41
8261066	5.0	0.18
8261067	4.0	0.18
8261068	2.0	0.19
8261069	3.0	0.18
8261070	6.0	0.23
8261071	<2.0	0.3
8261072	3.0	0.3
8261073	3.0	0.38
8261074	2.0	0.3
8261075	3.0	0.21
8261076	7.0	0.17
8261077	<2.0	0.39
8261078	2.0	0.3
8261079	2.0	0.53
8261080	2.0	0.08
8261081	2.0	0.1
8261082	2.0	0.06
8261083	<2.0	0.21
8261084	<2.0	0.03
8261085	2.0	0.35
8261086	2.0	0.4
8261087	3.0	0.64
8261088	4.0	0.28
8261140	4.0	0.17
8261141	3.0	0.31

SE Sand Tite soil or loam
plotted
Sept 13/88
PV

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WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8261142	3.0	0.1
8261143	2.0	0.06
8261139	2.0	0.04
8261089	3.0	0.26
8261090	2.0	0.16
8261091	4.0	0.52
8261092	2.0	0.18
8261093	2.0	0.1
8261094	2.0	0.16
8261095	3.0	0.5
8261096	3.0	0.3
8261097	2.0	0.02
8261098	2.0	0.13
8261099	2.0	0.14
8261100	2.0	0.2
8261101	2.0	0.31
8261102	<2.0	0.4
8261103	2.0	0.36
8261104	2.0	0.04
8261105	2.0	0.32
8261106	2.0	0.08
8261107	3.0	0.05
8261108	2.0	0.22
8261109	2.0	0.02
8261110	3.0	0.1
8261111	2.0	0.14
8261112	2.0	0.1
8261138	2.0	0.11
8261113	3.0	0.24
8261114	2.0	0.26

Se SMD-TSK
soil samples
plotted
88-09-13
pw.

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WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8261115	2.0	0.24
8261116	2.0	0.1
8261117	2.0	0.13
8261118	2.0	0.12
8261119	2.0	0.08
8261120	2.0	0.17
8261121	3.0	0.09
8261122	2.0	0.1
8261123	2.0	0.18
8261124	2.0	0.02
8261125	3.0	0.17
8261126	2.0	0.2
8261127	2.0	0.2
8261128	3.0	0.23
8261129	2.0	0.08
8261130	3.0	0.08
8261131	2.0	0.08
8261132	2.0	0.14
8261133	2.0	0.05
8261134	2.0	0.06
8261135	2.0	0.06
8261136	4.0	0.1
8261137	4.0	0.11

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WORK ORDER: 5218D-88

ATTN: T. GARAGAN

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

CC's TO:
AURUM GEOLOGICAL CONSULT
WHITEHORSE, YUKON
P. MAHEUX

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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BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5230D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8226029 WAT	48.0	1.44
8226030 "	1950.0	4.5
8226031 "	36.0	1.2
8226032 "	10.0	0.67
8226033 "	7.0	<0.02
8226034 "	27.0	1.5
8226035 "	3.0	0.51
8226036 "	61.0	1.0
8226037 "	1500.0	7.6
8226038 "	140.0	2.6
8226039 "	29.0	0.81
8226040 "	8.0	0.11
8222027 -A WAT	4.0	0.15
8222027 -B WAT	6.0	0.3
8222028 -A "	6.0	0.13
8222028 -B "	3.0	0.07
8222029 -A "	3.0	0.04
8222029 -B "	3.0	0.02

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PHONE: (403) 920-4500

09-AUG-88

C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

AURUM CONSULTANTS INC.
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5230D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128287	5.0	0.54
128288	4.0	0.54
128289	3.0	0.4
128290	2.0	0.39
128291	3.0	0.4
128292	2.0	0.45
128293	82.0	0.46
128294	3.0	0.44
128295	3.0	0.56
128296	2.0	0.61
128297	2.0	0.4
128298	2.0	0.47
128299	2.0	0.25
128300	3.0	0.5
128301	3.0	0.53
128302	34.0	1.4
128303	51.0	0.58

DDH 88-03
repeated
@ 88-17

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

AUTHORITY: P. MAHEUX

AURUM CONSULTANTS INC.
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5230D-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

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

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09-AUG-88

C O P Y
PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
P.O. BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5233D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128304	31.0	0.8
128305	2.0	1.0
128306	2.0	0.4
128307	37.0	1.18
128308	3.0	0.31
128309	2.0	0.48
128310	3.0	0.37
128311	3.0	0.15
128312	3.0	0.28
128313	3.0	0.2
128314	3.0	0.11
128315	8.0	0.16
128316	2.0	0.71
128317	2.0	0.4
128318	2.0	0.3
128319	3.0	0.35
128320	84.0	>20.0
128321	28.0	>20.0
128322	2.0	16.8
128323	2.0	2.2
128324	2.0	0.66
128325	2.0	2.05
128326	3.0	0.47
128327	4.0	0.64
128328	4.0	0.58
128329	4.0	0.2
128330	2.0	0.5
128332	<2.0	0.2
128333	<2.0	0.28
128334	2.0	0.25

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PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
P.O. BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5233D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128335	2.0	0.3
128336	2.0	0.3
128337	<2.0	0.21
128338	<2.0	0.6
128339	<2.0	0.35
128340	2.0	0.27
128341	<2.0	0.36
128342	<2.0	0.14
128343	3.0	0.7
128344	<2.0	0.29
128345	<2.0	0.48
128346	<2.0	0.92
128347	2.0	0.6
128348	2.0	0.18
128349	2.0	0.4
128350	<2.0	0.2
128351	<2.0	0.22
128352	<2.0	0.22
128353	<2.0	0.3
128354	<2.0	0.32
128355	2.0	0.32
128356	2.0	0.47
128357	2.0	0.22
128358	2.0	0.9
128359	2.0	0.28
128360	2.0	0.22
128361	<2.0	0.11
128362	<2.0	0.26
128363	2.0	0.11
128364	2.0	0.2

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AUTHORITY: P. MAHEUX

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P.O. BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5233D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128365	<2.0	0.16
128366	2.0	0.2
128367	<2.0	0.82
128368	<2.0	0.27
128369	<2.0	0.69
128370	2.0	0.17
128371	2.0	0.59
128372	116.0	0.35
128373	2.0	0.8
128374	2.0	0.12
128375	2.0	2.0

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C O P Y

PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM GEOLOGICAL CONSULT
P.O. BOX 5179
WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5233D-88

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	ASSAY FIRE ASSAY AG OZ/TON
128320	4.7025
128321	1.805

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;
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PROJECT: 1102

AUTHORITY:P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5226D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
23+25N:0+75E	3.0	0.24
23+25N:1+00E	2.0	0.32
23+25N:1+25E	3.0	0.27
23+25N:1+50E	3.0	0.4
23+25N:1+75E	3.0	0.4
23+25N:2+00E	3.0	0.4
23+25N:2+25E	5.0	0.48
23+25N:2+50E	<2.0	0.6
23+25N:2+75E	2.0	0.8
23+25N:3+00E	<2.0	0.66
23+25N:3+25E	4.0	0.6
23+25N:3+50E	12.0	0.7
23+25N:3+75E	2.0	0.88
23+25N:4+00E	5.0	0.4
23+75N:1+00E	3.0	0.4
23+75N:1+25E	<2.0	0.6
23+75N:1+50E	2.0	1.04
23+75N:1+75E	4.0	0.61
23+75N:2+00E	3.0	0.3
23+75N:2+25E	2.0	0.9
23+75N:2+50E	5.0	0.6
23+75N:2+75E	3.0	0.34
23+75N:3+00E	2.0	0.66
23+75N:3+25E	2.0	0.7
23+75N:3+50E	4.0	0.63
23+75N:3+75E	<2.0	0.44
23+75N:4+00E	2.0	0.6

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C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5226D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	TOTAL FE %	TOTAL MN %
822-6021 ✓WAT	1.98	0.066
822-6027 "	3.72	0.448
822-6028 "	1.47	0.102

P.?

✓ received Aug 14/88

plotted ?

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12-AUG-88

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AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5226D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128278	10.0	0.16
128279	5.0	0.26
128280	4.0	0.13
128281	6.0	0.11
128282	2.0	0.32
128283	5.0	0.1
128284	8.0	0.41
128285	2.0	0.13
128286	6.0	0.06

recorded on Sample tags Aug 15/88 pjm.

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PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5226D-88

ATTN: P. MAHEUX

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8212019 WAT	4.0	0.51
8212020 "	4.0	0.66
8212021 "	3.0	0.08
8222022 "	2.0	0.02
8222023 "	2.0	0.39
8222024 "	5.0	0.25
8222025 "	4.0	0.4
8222026 "	6.0	1.06
8225022 "	6.0	0.47
8226021 "	2.0	0.81
8226022 "	2.0	0.58
8226023 "	2.0	0.4
8226024 "	2.0	0.46
8226025 "	3.0	0.33
8226026 "	3.0	0.24
8226027 "	<2.0	1.48
8226028 "	<2.0	0.91

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BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5226D-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

FOOTNOTES:
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BARRINGER MAGENTA
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AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5257D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8216015 NE zone TR 05	3.0	0.29
8216016 "	4.0	0.33
8216017 "	2.0	0.13
8216018 "	2.0	0.24
8216019 "	2.0	0.34
8216020 "	3.0	0.19
8216021 "	2.0	1.25
8216022 "	2.0	1.6
8216023 "	2.0	0.53
8216024 "	2.0	1.6
8216025 "	3.0	3.25
8216026 "	3.0	3.05
8216027 "	3.0	1.97
8216028 "	3.0	1.84
8216029 "	8.0	3.25
8216030 "	9.0	3.4
8216038 "	2.0	2.32
8216039 "	5.0	1.86
8216040 "	3.0	5.2
8216041 "	4.0	1.46
8216042	3.0	1.6
8216043	2.0	1.03
8216044 NE zone TR 05	2.0	1.6
8216045 "	2.0	2.42
8216046	3.0	3.6
8216047	2.0	2.77
8216048 NE zone TR 05	2.0	0.81
8216049 "	2.0	1.14
8216050	2.0	1.32
8266010	2.0	0.9

TR-88-05
THE 17
Plotted
Aug 27/88
D.P.

D.P
(CH+RY)

7, 821-2040

No Sample Descriptions.

Soil
no location

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BOX 5179
WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5257D-88

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8266009	2.0	5.66

Plotted Aug 30/88 where ??
D.P.

SIGNED: _____
C. Douglas Read,
LABORATORY MANAGER

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

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23-AUG-88

C O P Y
PROJECT: 1102

AUTHORITY: P. MAHEUX

AURUM CONSULTANTS
BOX 5179
WHITEHORSE, YUKON

WORK ORDER: 5258D-88

ATTN: P. MAHEUX

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

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128376	<2.0	0.59
128377	3.0	0.15
128378	2.0	1.72
128379	2.0	1.43
128380	5.0	2.0
128381	106.0	1.06
128382	81.0	0.48
128383	40.0	0.9
128384	2.0	0.59
128385	2.0	0.8
128386	2.0	0.55
128387	5.0	0.45
128388	2.0	0.28
128389	3.0	0.52
128390	3.0	0.56
128391	<2.0	0.44
128392	2.0	0.72
128393	2.0	0.71
128394	3.0	0.44
128395	2.0	0.27
128396	2.0	0.53
128397	2.0	0.47
128398	3.0	0.4
8266005 WAT	2.0	0.25
8266006 "	3.0	0.23
8266007 "	2.0	0.29
8266008 "	3.0	0.57
-8216031	11.0	5.2 Tr 88-05 THEIR
-8216032	3.0	2.6 "
-8216033	2.0	2.06 "

DDH 88-04 received Sept 02/88 pm.

D.P. TR 88-05 NE Zone

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

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

29-AUG-88
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AUTHORITY:P. MAHEUX

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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5267D-88
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8216078	<2.0	0.72
8216080	<2.0	0.78
8216083	2.0	0.8
8216084	<2.0	0.59
8216085	<2.0	0.27
8216086	<2.0	0.85
8216087	2.0	1.82
8216088	<2.0	0.43
8216089	<2.0	0.4
8216090	2.0	1.34
8216091	<2.0	0.12
8216092	13.0	0.81
8216093	2.0	0.99
8216094	3.0	0.38
8216095	<2.0	0.24
8216096	2.0	0.69
8216097	2.0	1.24
8216098	<2.0	0.58
8216099	2.0	0.87
8216100	2.0	1.08

Trench 88-04,5 N & 20m

RECEIVED SEPT 07/88

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

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

29-AUG-88
PAGE: 7 OF 10
COPY: 3 OF 4
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PROJECT: 1102

AUTHORITY:P. MAHEUX

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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	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8226117	3.0	6.6
8226118	2.0	0.4
8216103	2.0	0.42
8216104	8.0	0.46
8216105	<2.0	0.34
8216106	2.0	0.37
8216107	3.0	0.5
8216108	2.0	0.14
8216109	3.0	5.0
8226119	660.0	7.6
8226120	240.0	>20.0
8226121	5.0	0.36
8226122	30.0	>20.0
8226123	5.0	13.5
8226124	3.0	6.6

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29-AUG-88
PAGE: 9 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	PB PPM	ZN PPM	AS PPM	SB PPM
8226119	1140.0	93.0	6.0	<5.0
8226120	7800.0	2900.0	10.0	<5.0
8226121	51.0	90.0	5.0	<5.0
8226122	2500.0	1440.0	4.0	<5.0
8226123	1950.0	850.0	4.0	<5.0
8226124	980.0	42.0	8.0	<5.0

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01-SEP-88
PAGE: 3 OF 4
COPY: 3 OF 4
C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5284D-88
*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128399	2.0	0.32
128400	<2.0	0.38
128401	3.0	0.57
128402	<2.0	0.31
128403	2.0	0.39
SAID-THC 128404	2.0	0.46
DDH 88-04 128405	2.0	0.42
128406	<2.0	0.47
128407	<2.0	0.16
128408	2.0	0.03
128409	14.0	0.15
128410	4.0	0.72
128411	3.0	0.02
128412	3.0	0.21
SAID-THC 128413	56.0	0.45
DDH-88-7		
128414	3.0	0.39
128415	2.0	0.3
128416	4.0	0.12
128417	3.0	0.12
128418	2.0	0.38
128419	3.0	0.62
8224078	10.0	1.87
Glenlivet 8224079	7.0	2.67
8224080	6.0	0.65
8224081	33.0	0.87
8224082	62.0	3.56
8224083	11.0	4.91

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13-SEP-88
PAGE: 1 OF 7
COPY: 3 OF 4
C O P Y
PROJECT: 1102

AUTHORITY: P. MAHEUX

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

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

PRELIMINARY REPORT

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8262113 ✓	2.0	0.3
8262114 ✓	13.0	0.8
8262115 ✓	3.0	0.02
8262116 ✓	2.0	0.21
8262117 ✓	13.0	0.11
8262118 ✓	5.0	0.31
8262119 ✓	5.0	0.1
8262120 ✓	2.0	<0.02
8262121 ✓	<2.0	0.63
8262122 ✓	15.0	0.19
8262123 ✓	<2.0	0.35
8266011 ✓	2.0	0.37
8266012 ✓	2.0	0.3
8266013 ✓	2.0	1.8
8264242	240.0	4.65
8264243	270.0	5.8
8264244	360.0	7.2
8264245	152.0	4.05
8264246	170.0	3.8
8264247	156.0	3.25
8264248	161.0	3.6
8264249	80.0	1.64
8264250	165.0	4.3
8264251	121.0	2.9
8264252	49.0	1.58
8264253	204.0	10.4
8264254	121.0	5.0
8264255	300.0	7.0
8264256 vein zone	340.0	6.8
8264257	106.0	2.8

plotted Sept 20/88

SAID-THE Towle Cr cliff

EARL Lower tr. (T-1) soil samples

EARL upper tr. T-2 soils

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

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AURUM CONSULTANTS LTD.
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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

★★PRELIMINARY REPORT★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128420	4.0	1.2
128421	<2.0	1.25
128422	3.0	0.88
128423	2.0	1.0
128424	3.0	0.41
128425	2.0	0.53
128426	2.0	0.45
128427	13.0	1.04
128428	4.0	0.08
128429	3.0	0.1
128430	2.0	0.7
128431	2.0	0.15
128432	2.0	0.14
128433	2.0	0.21
128434	3.0	0.26
128435	2.0	10.2
128436	3.0	6.6
128437	5.0	0.2
128438	<2.0	0.66
128439	<2.0	0.32
128440	2.0	0.35
128441	2.0	0.4
128442	<2.0	0.27
128443	<2.0	0.23
128444	2.0	0.27
128445	<2.0	0.22
128446	3.0	0.2
128447	2.0	0.11
128448	2.0	0.13
128449	2.0	0.12

DDH 88-07 recorded on tags 88-09-20 PM

DDH 88-08 recorded on tags 88-09-20 PM

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13-SEP-88
PAGE: 4 OF 7
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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WORK ORDER: 5302D-88

★★PRELIMINARY REPORT★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
128450	8.0	4.46
128451	3.0	0.1
128452	4.0	0.2
128453	4.0	0.2
128454	2.0	0.5
128455	4.0	0.41
128456	3.0	2.04
128457	3.0	1.15
128458	2.0	1.58
128459	2.0	0.47
128460	2.0	0.29
128461	2.0	0.18
128462	3.0	0.34
128463	4.0	0.18
128464	3.0	0.53
128465	2.0	0.38

DDH 88-08 recorded on tape 88-09-20 fm.

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13-SEP-88
PAGE: 5 OF 7
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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AURUM CONSULTANTS LTD.
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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

★★PRELIMINARY REPORT★★

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	
EARL Lower W. 8224085	3400.0	>20.0	
8216110	7.0	0.8	plotted 88-09-20 PM.
SAID-TOWLE Ck cliffs 8226125	6.0	3.4	plotted 88-09-20 PM.
8226126	4.0	0.4	plotted 88-09-20 PM.
8226127	3.0	0.77	plotted 88-09-20 PM.
8226128	183.0	0.31	
EARL grabs 8226129	48.0	0.34	
8226130	25.0	2.1	
8226131	32.0	1.82	
8226132	822.0	3.1	
8226133	13.0	1.92	
8226134	48.0	0.27	
8226135	4.0	0.32	
SAID-TOWLE Ck cliffs 8222066	4.0	0.2	plotted 88-09-20 PM.
8222067	7.0	1.2	plotted 88-09-20 PM.
8222068	47.0	0.41	plotted 88-09-20 PM.
8222069	11.0	0.4	plotted 88-09-20 PM.
8222070	44.0	0.26	plotted 88-09-20 PM.
8222071	5.0	0.7	plotted 88-09-20 PM.
8222072	520.0	10.3	
EARL Lower grabs. 8222073	424.0	13.6	
8222074	480.0	1.2	
8222075	300.0	7.0	
8222076	127.0	0.51	
8222077	640.0	>20.0	
8222078	540.0	>20.0	
8222079	8.0	0.5	
8222080	102.0	0.48	
8222081	80.0	1.96	
8222082	181.0	4.3	

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20-SEP-88
PAGE: 1 OF 13
COPY: 3 OF 4
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PROJECT: 1102

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WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM
8262113	2.0	0.3
8262114	13.0	0.8
8262115	3.0	0.02
8262116	2.0	0.21
8262117	13.0	0.11
8262118	5.0	0.31
8262119	5.0	0.1
8262120	2.0	<0.02
8262121	<2.0	0.63
8262122	15.0	0.19
8262123	<2.0	0.35
8266011	2.0	0.37
8266012	2.0	0.3
8266013	2.0	1.8
8264242	240.0	4.65
8264243	270.0	5.8
8264244	360.0	7.2
8264245	152.0	4.05
8264246	170.0	3.8
8264247	156.0	3.25
8264248	161.0	3.6
8264249	80.0	1.64
8264250	165.0	4.3
8264251	121.0	2.9
8264252	49.0	1.58
8264253	204.0	10.4
8264254	121.0	5.0
8264255	300.0	7.0
8264256	340.0	6.8
8264257	106.0	2.8

EAGLE T-1

EAGLE T-2

Received Sept 27, 1988 pm

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ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	PB PPM
128420	4.0	1.2	8.0	20.0
128421	<2.0	1.25	5.0	15.0
128422	3.0	0.88	6.0	9.0
128423	2.0	1.0	9.0	16.0
128424	3.0	0.41	4.0	25.0
128425	2.0	0.53	5.0	11.0
128426	2.0	0.45	7.0	21.0
128427	13.0	1.04	12.0	19.0
128428	4.0	0.08	5.0	14.0
128429	3.0	0.1	5.0	6.0
128430	2.0	0.7	4.0	5.0
128431	2.0	0.15	9.0	8.0
128432	2.0	0.14	7.0	10.0
128433	2.0	0.21	18.0	8.0
128434	3.0	0.26	7.0	9.0
128435	2.0	10.2	4.0	5.0
128436	3.0	6.6	5.0	8.0
128437	5.0	0.2	7.0	11.0
128438	<2.0	0.66	3.0	10.0
128439	<2.0	0.32	4.0	9.0
128440	2.0	0.35	3.0	6.0
128441	2.0	0.4	12.0	8.0
128442	<2.0	0.27	8.0	7.0
128443	<2.0	0.23	7.0	4.0
128444	2.0	0.27	4.0	5.0
128445	<2.0	0.22	5.0	9.0
128446	3.0	0.2	6.0	10.0
128447	2.0	0.11	4.0	4.0
128448	2.0	0.13	3.0	6.0
128449	2.0	0.12	5.0	7.0

DDH 88-07 recorded on plotted on topo & logs Sept 29/88 pm

DDH 88-08 recorded on topo & logs Sept 29/88 pm

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20-SEP-88
PAGE: 6 OF 13
COPY: 3 OF 4
C O P Y
PROJECT: 1102

AUTHORITY:P. MAHEUX

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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

DDH 88-08 recorded as logged 4/29/89 ph.

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	PB PPM
128450	8.0	4.46	15.0	33.0
128451	3.0	0.1	6.0	6.0
128452	4.0	0.2	13.0	4.0
128453	4.0	0.2	5.0	6.0
128454	2.0	0.5	10.0	8.0
128455	4.0	0.41	4.0	6.0
128456	3.0	2.04	7.0	11.0
128457	3.0	1.15	5.0	10.0
128458	2.0	1.58	4.0	8.0
128459	2.0	0.47	5.0	9.0
128460	2.0	0.29	12.0	5.0
128461	2.0	0.18	13.0	7.0
128462	3.0	0.34	6.0	8.0
128463	4.0	0.18	8.0	7.0
128464	3.0	0.53	9.0	6.0
128465	2.0	0.38	13.0	14.0

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20-SEP-88
PAGE: 7 OF 13
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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WHITEHORSE, YUKON

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	ZN PPM	AS PPM	SB PPM
128420	36.0	6.0	<1.0
128421	51.0	2.0	<1.0
128422	53.0	5.0	<1.0
128423	65.0	4.0	<1.0
128424	50.0	4.0	<1.0
128425	62.0	2.0	<1.0
128426	66.0	2.0	<1.0
128427	27.0	4.0	<1.0
128428	102.0	1.0	<1.0
128429	72.0	<1.0	<1.0
128430	76.0	<1.0	<1.0
128431	99.0	<1.0	<1.0
128432	107.0	<1.0	<1.0
128433	105.0	<1.0	<1.0
128434	96.0	<1.0	<1.0
128435	70.0	2.0	<1.0
128436	87.0	4.0	<1.0
128437	84.0	12.0	<1.0
128438	76.0	16.0	<1.0
128439	61.0	<1.0	<1.0
128440	58.0	10.0	<1.0
128441	73.0	8.0	<1.0
128442	126.0	4.0	<1.0
128443	108.0	6.0	<1.0
128444	87.0	4.0	<1.0
128445	84.0	6.0	<1.0
128446	86.0	8.0	<1.0
128447	72.0	5.0	<1.0
128448	65.0	4.0	<1.0
128449	79.0	2.0	<1.0

DDH 88-07
revised as per copy Sept 29/88
pm

DDH 88-08

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20-SEP-88
PAGE: 8 OF 13
COPY: 3 OF 4
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WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: DRILL CORE

SAMPLE NUMBER	ZN PPM	AS PPM	SB PPM
128450	116.0	28.0	<1.0
128451	90.0	2.0	<1.0
128452	69.0	4.0	<1.0
128453	100.0	6.0	<1.0
128454	67.0	14.0	<1.0
128455	62.0	5.0	<1.0
128456	44.0	4.0	<1.0
128457	34.0	1.0	<1.0
128458	32.0	4.0	<1.0
128459	36.0	2.0	<1.0
128460	39.0	1.0	<1.0
128461	40.0	2.0	<1.0
128462	43.0	4.0	<1.0
128463	50.0	4.0	<1.0
128464	42.0	4.0	<1.0
128465	35.0	2.0	<1.0

DDH 88-08 recorded on map clean Sept 29/88

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20-SEP-88
PAGE: 9 OF 13
COPY: 3 OF 4
C O P Y
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ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	PB PPM
8224085	3400.0	>20.0	840.0	6900.0
8216110	7.0	0.8	331.0	10.0
8226125	6.0	3.4	31.0	24.0
8226126	4.0	0.4	59.0	3.0
8226127	3.0	0.77	11.0	13.0
8226128	183.0	0.31	76.0	<1.0
8226129	48.0	0.34	40.0	3.0
8226130	25.0	2.1	38.0	2.0
8226131	32.0	1.82	61.0	23.0
8226132	822.0	3.1	37.0	74.0
8226133	13.0	1.92	15.0	8.0
8226134	48.0	0.27	56.0	2.0
8226135	4.0	0.32	22.0	5.0
8222066	4.0	0.2	9.0	3.0
8222067	7.0	1.2	45.0	17.0
8222068	47.0	0.41	12.0	2.0
8222069	11.0	0.4	19.0	23.0
8222070	44.0	0.26	12.0	3.0
8222071	5.0	0.7	31.0	5.0
8222072	520.0	10.3	19.0	882.0
8222073	424.0	13.6	1410.0	243.0
8222074	480.0	1.2	14.0	64.0
8222075	300.0	7.0	18.0	660.0
8222076	127.0	0.51	8.0	32.0
8222077	640.0	>20.0	19.0	859.0
8222078	540.0	>20.0	27.0	475.0
8222079	8.0	0.5	6.0	2.0
8222080	102.0	0.48	7.0	2.0
8222081	80.0	1.96	10.0	184.0
8222082	181.0	4.3	12.0	120.0

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

AUTHORITY: P. MAHEUX

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

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ZN PPM	AS PPM	SB PPM
8224085	316.0	300.0	8.0
8216110	91.0	4.0	<1.0
8226125	64.0	22.0	<1.0
8226126	56.0	<1.0	<1.0
8226127	65.0	2.0	<1.0
8226128	129.0	3.0	<1.0
8226129	84.0	10.0	<1.0
8226130	80.0	12.0	<1.0
8226131	127.0	82.0	<1.0
8226132	79.0	300.0	<1.0
8226133	92.0	50.0	<1.0
8226134	84.0	8.0	<1.0
8226135	46.0	24.0	<1.0
8222066	19.0	2.0	<1.0
8222067	302.0	4.0	<1.0
8222068	43.0	<1.0	<1.0
8222069	35.0	1.0	<1.0
8222070	28.0	2.0	<1.0
8222071	154.0	2.0	<1.0
8222072	24.0	352.0	<1.0
8222073	498.0	78.0	<1.0
8222074	17.0	332.0	<1.0
8222075	22.0	102.0	<1.0
8222076	15.0	84.0	<1.0
8222077	14.0	1152.0	<1.0
8222078	38.0	1200.0	<1.0
8222079	42.0	6.0	<1.0
8222080	12.0	64.0	<1.0
8222081	23.0	292.0	<1.0
8222082	11.0	180.0	<1.0

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20-SEP-88
PAGE: 12 OF 13
COPY: 3 OF 4
C O P Y
PROJECT: 1102

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WHITEHORSE, YUKON

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WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ZN PPM	AS PPM	SB PPM
8222083	25.0	200.0	3.0
8222084	47.0	316.0	12.0
8224084	103.0	528.0	<1.0
8224086	62.0	26.0	<1.0
8224087	102.0	2.0	<1.0
8224088	74.0	14.0	<1.0
8224089	83.0	8.0	<1.0
8224090	54.0	26.0	<1.0
8224091	96.0	42.0	<1.0
8224092	18.0	2.0	<1.0
8224093	82.0	2.0	<1.0
8224094	91.0	60.0	<1.0
8224095	68.0	106.0	<1.0
8224096	70.0	284.0	<1.0

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

ATTN: P. MAHEUX

WORK ORDER: 5302D-88

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER	ASSAY FIRE ASSAY AU OZ/TON	ASSAY FIRE ASSAY AG OZ/TON
8224085	0.09	30.08
8222077	NA	1.42
8222078	NA	0.86
8222083	NA	5.69
8222084	NA	14.12
8224095	NA	1.01
8224096	NA	0.95

SIGNED: Zigmond Izady per
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

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 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, 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.

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Flat Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
822-2030	L11+75N/7+00W Central grid	Contains up to 10% silcified wallrx frags 1-4cm greenish) & 5% vugs,quartz is cockade & & banded.	10 cm float	3.0	0.8
822-2031	N. of L11+00N, Central grid	Banded to cockade quartz float,up to 10% vugs & 20% silicified wallrx frags,calcite replacement textures & fluorite crystal casts.	9 cm float	2.0	0.14
822-2032	N. of L12+00N Central grid	Brecciated quartz float,up to 10% vugs & 10% silicified (minor sericititziton)wallrx frags(1-3cm long). Quartz is banded chalcedony,rarely drusy or cockade,calcite replacement & minor fluorite casts.	10cm float	2.0	0.23
822-2033	E. of L12+00N Central grid	Brecciated vuggy quartz chalcedony float,contains 5% silicified wallrx clasts.	float 12cm	2.0	1.56
822-2034	N. of L8+00N Central grid	Brecciated vuggy quartz chalcedony float(subangular) contains up to 40% silicified(rarely sericitized) wallrx frags;1-6cm in diameter,quatz is cockade, rarley banded,fluorite crysta casts common.	2m area of float	3.0	0.35
822-2035	L7+50N/7+50W Central grid	Brecciated quartz float,up to 15% cockade quartz, remainder is banded chalcedony (white to lt grey), 5% wallrx clasts (silicified).	float 10cm	<2.0	0.18
822-2037	30m NE of L13+00N/6+00E Central grid	Brecciated quartz float containing 20% sericitized wallrx frags;calcite replacement features & up to to 15% vugs.Quartz is drusy to cockade,rarely banded,fluorite crsystal casts present.	float 10cm	29	0.2
822-2036	NE of L13N	Brecciated quartz similar to 822-2037.	float 8cm	10	0.86
822-2038	E of L13N	Quartz breccia,contains 25% silicified wallrx frags.Quartz is drusy to cockade with bladed calcite replacement textures.	float 10cm	1366	0.3
822-2039	E of L13N	Similar to 822-2038.	float 12cm	51	0.47
822-2041	L12+47N/7+50W	Brecciated quartz float,up to 5% silicified wallrx frags.	float 15cm	3.0	0.22
822-2040	L12+20N/7+40W	Brecciated quartz float,5% drusy quartz lined vugs, up to 5% silicified wallrx frags (1-3cm),bladed calcite replacement textures.	float 10cm	3.0	1.2

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Flat Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
822-2042	L11+60N/6+55W	Brecciated quartz float,massive to banded,up to 5% drusy quartz lined vugs;5% silicified wallrx frags (1-2cm);minor calcite replacement textures.	float 10cm	2.0	0.6
822-2043	L11+50N/6+82W	Quartz chalcedony float,10% silicified wallrx frags (1-3cm);10% drusy quartz lined vugs,minor fluorite crystal casts,bladed calcite replacement textures.	float 8cm	2.0	1.12
822-2044	L11+48N/7+32W	Brecciated quartz float containing 90% cockade quartz.	float 10cm	2.0	1.2
822-2045	L11+50N/7+50W	Brecciated quartz,chalcedony float.	float 10cm	2.0	0.8
822-2046	L11+00N/7+50W	Brecciated quartz chalcedony float,similar to 822-2045.	float 10cm	7.0	0.6
822-2047	L10+50N/7+50W	Similar to 822-2045.	float 8cm	2.0	0.5
822-2048	L10+00N/6+80W	Massive,grey weathering chalcedony,minor fluorite crystal casts present.	float 8cm	8.0	0.32
822-2049	25m @ 320°from L12+50N/7+50W	Quartz float,massive or drusy with bladed calcite replacement textures.	float 10cm	5.0	0.02
822-2050	60m @ 320°from L12+50N/7+50W	Quartz float containing bladed calcite replacement texture,quartz is massive or drusy.	boulder 30 x 20cm	7.0	0.02
822-2051	140m @ 320°from L12+50N/7+50W	Quartz float,5% drusy quartz lined vugs,quartz is commonly massive with minor calcite replacement textures & 10% chalcedony present.	boulder 10x8x4cm	3.0	0.26
822-2052	25m @ 320°from L12+25N/7+50W	Quartz float,10% silicified wallrx frags(1-4cm) 20% quartz is cockade,10% is chalcedony,remainder is massive or drusy,minor calcite replacement textures.	float 10cm	3.0	0.05
822-2053	50m @ 320°from L12+25N/7+50W	Similar to 822-2052.	boulder 8x4x4cm	42	0.68
822-2054	115m @ 320°from L12+75N/7+50W	Quartz chalcedony float,contains 15% silicified wallrx frags (1-5cm),10% vugs,fluorite crystal casts present.	float 12cm	6.0	0.4

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Flat Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
822-2055	15m N of L12N/ 7+50W	Quartz float,quartz is massive to cockade,calcite replacement textures.	float 10cm	164	1.5
822-2056	30m NNW of L11+75N/7+50W	Quartz float,60% of sample is cockade with chalcedony ± drusy quartz psuedomorphing calcite.	boulder 10x6x5cm	7.0	0.19
822-2057	65m @ 320°from L11+75N/7+50W	Quartz chalcedony float,contains 10% drusy quartz lined vugs & 5% silicified wallrx frags (1-2cm in diameter).	float 10cm	2.0	0.33
822-2058	L10+25N/7+25W	Quartz float,30% cockade quartz,fluorite crystal casts common,calcite replacement textures.	float 10cm	27	0.37
822-2059	L10+35N/6+87W	Cockade to massive quartz float,10% silicified wallrx rhyolite frags.	3 x 3m area	222	0.47
822-2060	L9+50N/7+35W	Massive quartz float,10% drusy quartz lined vugs, minor calcite replacement textures.	float 10cm	5.0	6.3

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Creek Vein Far SW Zone;SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
821-6103	NW side of rhyolite dyke o/c	Buff coloured rhyolite dyke;fractured,rusty, 3% (2-3mm wide) vuggy quartz veins.	outcrop 10x15m	2	0.42				
821-6104	SE side of rhyolite dyke o/c	Beige to buff weathering,fractured & brecciated rhyolite dyke,5% (>2mm wide)vuggy quartz veinlets & surrounding angular brecciated rhyolite.	as above	8	0.46				
821-6105	SE side of rhyolite dyke o/c	as above with 3-5% vuggy quartz veinlets and fractures,30cm from 821-6104	as above	<2	0.34				
821-6106	W side of rhyolite dyke o/c middle of o/c	Light grey green rhylite,3-5% quartz(+/-vuggy quartz), Mn veinlets;<1% very fine clots of pyrite in rhyolite.	as above	2	0.37				
821-6119	SE side of rhyolite dyke o/c	Beige to white weathering,sugary white to grey quartz with 1-2% pods of pale green/white clay alteration;1% white calcite filling vugs,<1% very fine pyrite pods (1-2mm).	float 8 x 10cm	660	7.6	1140	93	6.0	<5
821-6120	S end of rhyolite dyke o/c	White quartz veins (3cm wide) cutting rhyolite breccia (beige frags in quartz rhyolite matrix) 1-3% vuggy(2-3mm wide) quartz veins with <1% calcite blades.	float 10 x 20cm	240	0.59	7800	2900	10	<5
822-6121	S.end of rhyolite dyke o/c near 76001	Vuggy & massive quartz vein material surrounding pale yellow/beige fractured rhyolite frags,brecciated (30% of rx).	?subcrop? 30 x 40cm	5	0.36	51	90	5	<5
822-6122	SE of rhyolite dyke o/c 1m from 822-6119	70% white grey quartz(some vuggy quartz) with 30% ligh green beige fractured rhyolite frags with quartz & Mn veinlets,2% vugs in grey quartz, +/- coarse calcite blades/rhombs.	float 10 x 15cm	30	>20 *0.64	2500	1440	4	<5
822-6123	SE of rhyolite dyke o/c 0.5m 8226122	Grey quartz with 10% (<1cm) pale green grey altered rhyolite breccia.	float 10 x 20cm	5	13.5	1950	850	4	<5
822-6124	2m from 822-6121	Grey quartz with 10% pale green frags (<1cm).	float 20 x 30cm	3	6.6	980	42	8	<5
821-6107	1m S of 8226121	Light green buff weathering,highly fractured rhyolite,5% thin (1-2mm) quartz veinlets.	outcrop 1 x 0.5m	3	0.5				

*opt

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Creek Vein Far SW Zone;SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
821-6108	1m W of 821-6107	Beige to grey green weathering,highly fractured brecciated rhyolite,5-8%(<2mm wide) quartz veinlets;2% Mn & dk green chloritic coating along fractures.	subcrop 1.5 x 2m	2	0.14
821-6109	1.5m South of 821-6108	Very fractured brecciated altered rhyolite tuff, 3% white/grey (<1cm) quartz veins.	outcrop 2-3m	3	5.0
922-3000	Far SW Zone Drill pad #2	Quartz calcite	8 x 9cm	2.0	0.16

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: NE Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
** 821-6015 to 6030 are channel samples from south half of trench #5					
821-6015	Tr 88-05	Light br to white weathering porphyritic rhyolite.	2.5 x 1m	3.0	0.29
821-6016	Tr 88-05	Light grey to white weathering argillically altered quartz porphyritic rhyolite.	2.5 x 1m area	4.0	0.33
821-6017	Tr 88-05	Argillically altered,rarely silicified quartz porphyritic rhyolite.	2.5 x 1m area	2.0	0.13
821-6018	Tr 88-05	Similar to 821-6017.	as above	2.0	0.24
821-6019	Tr 88-05	Argillically altered quartz porphyritic rhyolite 20% silicified.	2.5 x 1m area	2.0	0.34
821-6020	Tr 88-05	Sericitized to strongly silicified rhyolite.	2.5 x 1m area	3.0	0.19
821-6021	Tr 88-05	Similar to 821-6020.	2.5 x 1m area	2.0	1.25
821-6022	Tr 88-05	Silicified(rarely sericitized) rhyolite.	2.5 x 1m area	2.0	1.6
821-6023	Tr 88-05	Advanced argillically altered rhyolite,up to 40% is strongly silicified.	2.5 x 1m area	2.0	0.53
821-6024	Tr 88-05	Similar to 821-6023 except up to 80% altered to clays;locally intensely silcified.	2.5 x 1m area	2.0	1.6
821-6025	Tr 88-05	Intensely silicified rhyolite,40% advanced argillically altered.	2.5 x 1m area	3.0	3.25
821-6026	Tr 88-05	Clay gouge containing silicified rhyolite frags.	as above	3.0	3.05
821-6027	Tr 88-05	Similar to 821-6026.	2.5mx0.7m area	3.0	1.97
821-6028	Tr 88-05	Clay gouge containing extensive clay alteration of a silicified rhyolite.	2.5 x 0.7m area	3.0	1.84
821-6029	Tr 88-05	Silicified rhyolite.	2.5x0.6m area	8.0	3.25
821-6030	Tr 88-05	Silicified rhyolite containing up to 15% quartz chalcedony veins.	2.5 x 0.7m area	9.0	3.4

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: NE Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
		** 821-6038 to 6049 are channel samples from the north end of trench #5			
821-6038	Tr 88-05	Clay gouge and advanced argillically altered rhyolite,minor silicified rhyolite present.	2.5 x 1m area	2.0	2.32
821-6039	Tr 88-05	Sericitized rhyolite with up to 10% clay gouge. locally silicified with minor visible quartz.	2.5 x 1m area	5.0	1.86
821-6040	Tr 88-05	Similar to 821-2039	as above	3.0	5.2
821-6041	Tr 88-05	Sericitized(less commonly propylitic),porphyritic rhyolite.	2.5 x 1m area	4.0	1.46
821-6044	Tr 88-05	Rhyolite,slightly propylitized.	as above	2.0	1.6
821-6045	Tr 88-05	Slightly proplitized purple weathering quartz porphyritic rhyolite.	2.5 x 1m area	2.0	2.42
821-6048	Tr 88-05	Similar to 821-6045.	as above	2.0	0.81
821-6049	Tr 88-05	Similar to 821-6048.	as above	2.0	1.14
822-2020	Tr 88-05	Light green/br float,prominant pyrolusite dendrites, strongly sericitized,contains up to 10% pervasive quartz veins.	grab 10cm	2.0	1.16
822-2021	Tr 88-05	Lt green/br float,contains ip to 40% quartz chalcedony veins;strongly sericitized.	grab 20cm	192	9.2
821-6006	Tr 88-05	White/grey chalcedony breccia,white gelatinous quartz banded chalcedony & seams of 1mm euhedral quartz surrounded 10-15% silicified green/rusty subangular frags.	grab 0.4 x 1m	44	3.6
821-6007	Tr 88-05	Gelatinous quarta,chalcedonic breccia,90% of rx is blue/grey quartz with 5% green/rust frags, siliceous banding (chalcedony).	as above	42	6.2
821-6008	Tr 88-05	Gelantinous quartz/chalcedony breccia,2x10cm pods of lt grey/blue massive silica surrounding 20% rusty/green frags (rusted out pyrite),banded chalcedony around frags;3-5% white quartz veinlets, cockade quartz veinlets cutting rx breccia,1-2% vugs.	as above	61	4.45

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: NE Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
821-6009	Tr 88-05	same float as 822-6023.	0.4 x 1m	83	4.35
821-6051	Tr 88-05;13-14m	Rhyolite	1m channel	3.0	0.33
821-6052	Tr 88-05;14-15m	Rhyolite	1m channel	2.0	0.13
821-6053	Tr 88-05;15-16m	Rhyolite	1m channel	2.0	0.12
821-6054	Tr 88-05;16-17m	Rhyolite	1m channel	2.0	0.3
821-6055	Tr 88-05;17-18m	Rhyolite	1m channel	3.0	0.48
821-6056	Tr 88-05;18-19m	Rhyolite	1m channel	<2.0	0.3
821-6057	Tr 88-05;19-20m	Rhyolite	1m channel	3.0	0.4
821-6058	Tr 88-05;20-21m	Rhyolite	1m channel	5.0	1.1
821-6059	Tr 88-05;21-22m	Rhyolite	1m channel	3.0	0.17
821-6067	Tr 88-05;29-30m	Rhyolite	1m channel	2.0	0.6
821-6068	Tr 88-05;30-31m	Rhyolite	1m channel	80	0.86
821-6069	Tr 88-05;31-32m	Rhyolite	1m channel	3.0	0.43
821-6070	Tr 88-05;32-33m	Rhyolite	1m channel	5.0	0.15
821-6071	Tr 88-05;33-34m	Rhyolite	1m channel	<2.0	0.63
821-6074	Tr 88-04;0-1m	Rhyolite	1m channel	3.0	0.11
821-6075	Tr 88-04;1-2m	Rhyolite	1m channel	2.0	0.1
821-6076	Tr 88-04;2-3m	Rhyolite	1m channel	8.0	0.33
821-6077	Tr 88-04;3-4m	Rhyolite	1m channel	3.0	0.27
821-6078	Tr 88-04;4-5m	Rhyolite	1m channel	<2.0	0.72
821-6079	Tr 88-04;5-6m	Rhyolite	1m channel	5.0	0.67
821-6080	Tr 88-04;6-7m	Rhyolite	1m channel	<2.0	0.78

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: NE Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
821-6081	Tr 88-04;7-8m	Rhyolite	1m channel	5.0	1.06
821-6082	Tr 88-04;8-9m	Rhyolite	1m channel	2.0	0.61
821-6091	Tr 88-04;16-17m	Rhyolite	1m channel	<2.0	0.12
821-6092	Tr 88-04;17-18m	Rhyolite	1m channel	13.0	0.81
821-6093	Tr 88-04;18-19m	Rhyolite	1m channel	2.0	0.99
821-6094	Tr 88-04;19-20m	Rhyolite	1m channel	3.0	0.38
821-6095	Tr 88-04;20-21m	Rhyolite	1m channel	<2.0	0.24
821-6096	Tr 88-04;21-22m	Rhyolite	1m channel	2.0	0.69
821-6097	Tr 88-04;22-23m	Rhyolite	1m channel	2.0	1.24
821-6098	Tr 88-04;23-24m	Rhyolite	1m channel	<2.0	0.58
821-6098	Tr 88-04;24-25m	Rhyolite	1m channel	2.0	0.87
821-6100	Tr 88-04;25-26m	Rhyolite	1m channel	2.0	1.08
821-6064	SW side of Tr 88-5,on strike of quartz vein	Very fine grained silicious frags (2-5cm sub-angular) surrounded by 0.2-1cm wide cockade quartz veins,2% vugs.	float 10 x 20cm	2.0	11.2
821-6065	SW side of Tr. 88-5	Very fine grained,lt grey green to orange silicious fractured tx surrounded by 0.5cm vuggy & cockade quartz & banded chalcedony.	float 13 x 19cm	1240	5.45
821-6066	Edge of cat track,S. of Tr 88-05	Banded chalcedony,gelatinous white quartz & vuggy/ cockade quartz with 10% green/br silicious frags, 5% (2-5cm) vugs.	float 20 x 30cm	3.0	2.75
821-6031	quartz vein o/c in Tr 88-05	Purple red stained quartz,colour zonation in very fine sugary quartz,1cm band of deep red quartz with 10% 2-10mm grey/green frags.	outcrop 1 x 7m	11.0	5.2
821-6032	SW end of quartz vein o/c,in Tr 88-05	18cm beside red alteration zone, vuggy,cockade quartz & banded chalcedony surrounding orange/green br frags.	outcrop 1 x 7m	3.0	2.6

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: NE Zone SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
*** samples 821-6042 to 6073 are a continuation of chip samples across the NW end of trench 88-05					
821-6033	SW edge of quartz vein o/c,in Tr 88-05	Rusty br weathering,br green on fresh surface of very silicious rx breccia(rhyolite??) surrounded by 1-2mm thick banded/gelatinous silica;3-5% vugs +/- quartz fillings.	outcrop 1 x 7m	2.0	2.06
821-6034	SW edge of quartz vein o/c,in Tr 88-05	Orange/dk br weathered (5% Mn staining);80% (0.5 to 3.cm) subrounded silicious frags surrounded by +/- banded silica,1% clay.	outcrop 1 x 7m	2.0	2.4
821-6035	SW edge of quartz vein o/c,in Tr 88-05	Very silicious banded rx,minor reddish alteration along sheared looking quartz,1-2mm white vuggy quartz veins (3%),rare quartz after calcite blades.	outcrop 1 x 7m	2.0	2.1
821-6036	SW edge of quartz vein o/c,in Tr 88-05	Green/rusty br silicious rx fractured & cut by 1-3mm white vuggy quartz veins,3% Mn staining.	outcrop 1 x 7m	6.0	2.0
821-6037	Middle of quartz vein o/c,in Tr 88-05	Yellow/br,very silcious rx fractured & cut by 0.5 to 1cm vuggy white quartz veining;2% Mn staining.	outcrop 1 x 7m	4.0	2.0
821-6042	Tr 88-05	Purple rhyolite tuff.	outcrop 1m	3.0	1.6
821-6043	Tr 88-05	Rhyolite tuff,highly fractured & silicified.	outcrop 1m	2.0	1.03
821-6046	Tr 88-05	Very hard silicious rhyolite tuff.	outcrop 1m	3.0	3.6
821-6047	Tr 88-05	Dark purple rhyolite tuff,very fine grained to aphanitic with 3% quartz & 1-2% feldspar phenocrysts.	outcrop 1m	2.0	1.32
821-6050	Tr 88-05	Dark purple rhyolite as found on either side of sample.	composite channel,1m	2.0	1.32
821-6060	Tr 88-05	Dark purple rhyolite tuff	outcrop 1m	2.0	0.39
821-6061	Tr 88-05	Dark purple rhyolite tuff	outcrop 1m	3.0	0.24
821-6062	Tr 88-05	Dark purple rhyolite tuff	outcrop 1m	3.0	0.56
821-6063	Tr 88-05	Green/beige clay gouge with 1-3cm coloured bands of yellow/orange & red,20% rhyolite rx frags.	1m section of clay gouge	2.0	0.4

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

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Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm
821-6064	Tr 88-05	Fractured dark purple rhyolite tuff,minor gouge.	subcrop 1m	2.0	0.96
821-6065	Tr 88-05	Dark purple rhyolite tuff,fractured.	composite 1m	2.0	0.53
821-6066	Tr 88-05	Dark purple rhyolite tuff,fractured & minor Fe staining.	composite 1m	2.0	0.75
821-6072	Tr 88-05	Dark purple porphyritic rhyolite tuff,fractured with 1-2% granodiorite clasts.	composite 1m subcrop	3.0	0.64
821-6073	Tr 88-05	Dark purple rhyolite tuff,fractured,1-2% grano diorite clasts.	outcrop 1m	4.0	0.19
821-6083	Tr 88-04	Grey green to yellow/grey clay gouge,20% angular rhyolite rx frags.	0.3m section of clay gouge	2.0	0.8
821-6084	Tr 88-04	Highly fractured rhyolite tuff,1-2cm bands of red clay gouge & white clay alteration along fractures;1-2% (1-2mm) quartz veins & Mn staining.	1.2m of fractured o/c	<2.0	0.59
821-6085	Tr 88-04	Highly fractured & altered rhyolite tuff,clay/ sandy gouge surrounding 50% rx frags at edge of sample,minor quartz veinlets.	outcrop 0.7m	<2.0	0.27
821-6086	Tr 88-04	Clay gouge,20-30% rhyolite rx frags.	outcrop 0.8m	<2.0	0.85
821-6087	Tr 88-04	Green grey clau gouge,20-30% rhyolite rx frags.	outcrop 1m	2.0	1.82
821-6088	Tr 88-04	Dark purple grey rhyolite tuff,prominent fractures & joints,minor calcite veinlets.	outcrop 1m	<2.0	0.43
821-6089	Tr 88-04	Same as 821-6988.	outcrop 1m	<2.0	0.4
821-6090	Tr 88-04	Dark purple/grey rhyolite tuff,<1% granodiorite clasts,moderate fractures & locally pink clay (<1%).	outcrop 1m	2.0	1.34

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1988 Project: Recon SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
821-3000	cirque top of Towle Creek	Small quartz veins approximately 2mm wide.	4 x 3cm	3.0	0.02					
822-2000	UTM 6681200N/ 475500E	Vuggy quartz & calcite. Calcite is bladed & comprises 70% of sample.	float 10cm	<2.0	0.02					
822-2001	30m north of 822-2000	Vuggy quartz (chalcedony) containing drusy quartz in cavities & bands in chalcedony.	float 10cm	34	0.44					
822-2002	140m NE of above	Massive white bull quartz float.	10cm	3.0	<0.02					
822-2003	UTM 668060N/ 477500E	Light grey weathering siliceous ash band approximately 2-4cm in width.	float 8cm	6.0	0.2					
821-2000a 2000b	1970m on cliff UTM 6680850N/ 477350E	Grey/white weathering quartz chalcedony vein material.Quartz in 10% of sample,calcite is sparry & creates a vuggy texture;contains 20% wallrx frags, vein is 10cm wide & occurs with 80cm shear.	80cm shear	a. 3.0 b. 8.0	<0.02 <0.02					
821-2001	20m WSW of 1-2000	Similar to 1-2000 except minor barite (<5%).	80cm shear	2.0	<0.02					
821-2002	50m WSW of 1-2000	As above.	60cm shear	2.0	<0.02					
821-2003	70m WSW of 1-2000	As above with minor fluorite (<<1%).	60cm shear	2.0	0.02					
821-0001	as above	as above	as above	2.0	0.04					
822-2004	Towle creek	Grey/white weathering quartz-alkali feldspar & carbonate.		<2.0	0.02					
822-2005	10m south of L17+75N/2+00E	Quartz & calcite float at top of cliff,minor (5%) vugs & calcite is bladed.		2.0	0.04					
821-2004	UTM 6680600N 477150E	Quartz-calcite vein 3cm wide.	3cm x 1m	3.0	0.03	11	10	86	2	<5
821-2000b	UTM 6680600N 477150	as above	as above	<2	<.02	6	13	49	6	<5
821-2005	UTM 6680550N 477100E	Quartz & calcite from 1 to 3cm wide vein.	3cmx1m	2	0.11	8	8	44	5	<5

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: August, 1998 Project: Recon SAID/THE Claims Area: Skukum,Wheaton River

Sample No.	Location	Description	Width	Analytical Results Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
821-2006	UTM 6680300N 476980E	Altered intermediate to mafic rx (prob andesite) containing up to 10% pyrite & pyrrhotite,plagioclase replaced by quartz.	3m	3	2.24	1890	2	157	10	<5
821-3000	UTM 6680300N 476930E	Stained cockcomb quartz vein.	3cmx1m	3	<.02	57	8	37	4	<5
822-2006	UTM 6680250N 476900E	Massive bull quartz.	10cm	<2	0.64	5	7	9	<1	<5
821-2007	UTM 6680230N 476970E	1m wide quartz vein occurring in 1m bleached zone.	1m chip	2	12.8	167	930	3660	3	<5
821-2008	UTM 6680230N 476960E	Sample of quartz from a 0.5m wide megacryst.	0.5m chip	<2	0.3	19	57	70	<1	<5
821-2009	UTM 6680220N 47690E	Similar to 821-2008	0.5m chip	<2	0.18	23	94	102	2	<5
822-2007	UTM 6679800N 476700E	Dk red/br magnetic rc containing up to 60% magnetite occurring as irregular masses or more rarely as subrounded phenocrysts;rest of matrix consists of quartz & alkali feldspar.	20cm	25	0.42 24.77% Fe					
822-2008	UTM 6680200N 477300E	White bull quartz,contains up to 5% vugs.	10cm	10	0.12					
822-2009	UTM 6683500N 478100E	Brecciated quartz float containing up to 50% andesite frags.	10cm float	12	0.08					
822-2010	UTM 6680700N 477820E	Altered andesite containing up to 10% quartz veins which are up to 1-4mm wide & are drusy quartz.	float 20cm	42	0.9					
821-2010	UTM 6680700N 477800E	Outcrop sample of a mafic unit containing a 0.5 to 1cm wide calcite vein.	float 1.5m	<2	0.02					
822-2011	UTM 6880050 447750E	Red/br,very Fe & Mn stained silicified rhyolite containing up to 5% sulphides; pyrite with trace arsenopyrite and shalerite, k-spar replaced by quartz.	15cm float	3	4.8	860	8	*1.12 * % Zn	149	<5
822-3001	Between 139+50N/ 4+25E & 4+50E	WAT claims; quartz vein approximately 0.5cm wide.	15x10cm	2	1.1					

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
821-4000	L36+00N/0+50W 1880m level before grid established	Rusty weathered dacite/rhyolite lithic tuff with lt grey silica pods or bands; 1% fine grained pyrite.	jointing 50/70W	<20cm	2.0	0.11
822-4000	L36+75N/0+50W 1800m elevation	Subrounded smokey bull quartz with minor iron staining.Small 1-2cm vugs with 1-4mm quartz crystals visible.		20cm boulder	2.0	<0.02
822-4001	L37+25N/0+50W 1855m elevation	Subrounded lt grey bull quartz with minor muscovite flecks.		20-25cm boulder	2.0	<0.02
822-4003	L31+50N/0+50E along splay fault	Quartz, vuggy with fine 1-2mm quartz crystals.		float 5-15cm	4.0	0.07
822-4004	L31+60N/0+50E	Quartz with vuggy texture,lt grey with bladed crystals(possibly fluorite cast or barite with 1-2mm quartz crystals on top).		float 5-20cm	2.0	0.03
822-4005	L32+10N/0+50E	Quartz breccia with cockscomb texture,lt grey with 1-2mm quartz crystals in vugs.		float 10-20cm	12.0	0.04
822-4006	L33+50N/0+45E	Faulted vein material,quartz with inclusions of lt green sericite grains also frags of rhyolite? up to 4cm. Minor vugs up to 3cm in size.		float 10-20cm	3.0	0.14
822-4007	L33+50N/0+47E	Faulted vein material with bladed white mineral,minor cockscomb texture.Quartz is cream coloured & in places sugary textured with lt green sericitized frags.		float 5-15cm	40.0	0.08
822-4008	L34+00N/0+25E	Subcrop of quartz vein material with 1-2cm rhyolite frags.Quartz is creamy with iron staining.		float 5-15cm	3.0	0.42
822-4009	1990m elevation on E side of knob above camp	Lt grey cockscomb quartz,slightly vuggy (vugs 1-3mm) with iron staining at edge.		float 15-20cm	41.0	0.27
822-4036	L36+22N/0+40W	Rusty weathered quartz,lt grey bull quartz with minor sulphides.		float 15-20cm	14.0	0.03

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-2012	L38+50N/2+00W	Vuggy white quartz, cockscomb with individual crystals up to 0.5cm long. Minor(<5%) calcite as irregular masses in quartz.Minor Mn staining (covers <8% sample).Sample is rounded & obviously transported.		float 20cm	2900	14.0
822-6012	L31+75N/0+50E	Vuggy cockade quartz vein material with blades of quartz after calcite;30% vugs.		float 3 x 3 x 6cm	7.0	0.03
822-6013	L31+75N/0+55E	60% of rx made up of vuggy white/yellow orange quartz(cockade)rest of rx is silicified,brecciated pale green grey frags with interstial quartz after calcite blades.		float 9 x 9cm	43.0	0.05
822-6014	L31+75N/0+60E	Pale green/grey white brecciated rx with sausseritized green sub-angular frags (0.5-2cm) & tuff frags? & $\leq$ 0.5mm rusty dk grey mineral;30% of rx is vuggy cockscomb & bladed quartz after calcite.		float 10 x 15cm	3.0	0.02
822-6015	L31+60N/0+70E	Vuggy quartz breccia with 30% rusty frag (altered tuff);2-3mm crust of euhedral quartz & sugary quartz surrounding breccia & vugs;2% dk iron mineral as 3-5mm clots.		float 10cm	8.0	0.1
822-6016	L31+60N/0+85E	Vuggy quartz with rusty br breccia frags (similar to 822-6015).		float 10cm	3.0	<0.02
822-6017	L31+60N/0+60E	Hackly weathering white/pale green sausseritized 1-3cm rhyolite frags surrounded by sugary white quatz,half of sample vuggy, euhedral quartz crystal seam with some breccia frags.		float	3.0 13cm	0.1
822-6018	L31+00N/0+95E	Very silicious grey rx-quartz vein? $\pm$ silicified frags(1%)		float 10cm	4.0	4.0
822-6019	L31+90N/2+50E	Grey/white bull quartz vein cutting massive granodiorite/diorite.		float 25-30cm	2.0	<0.02

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6020	L33+65N/0+50E found in bag with YT569R	Pale green with 5% 1mm feldspar phenocrysts & 3-5%(0.5mm)rusted out spots;0.5-2mm veinlets of white quartz & minor vugs.		unknown	2.0	0.36
821-6005	L33+90N/1+00W near 821-4000	Rusty stained,fractured hackly rhyolite dyke?;+ <1% sulphides (found in in sample 821-2015, 2016 5m away).		1m outcrop	2.0	0.02
821-2019	L36+75N/6+00E	Silicified rhyolite lithic lapilli tuff weathers lt br,moderately-densely welded with up to 60% frags.		1m outcrop	4.0	0.51
821-2020	L36+60N/6+00E	Silicified rhyolite lithic lapilli tuff.Similar to 821-2019.		1m outcrop	4.0	0.66
821-2022	L36+75N/1+50E	Subrounded massive grey/white weathering quartz.White on fresh surface & contains up to 5% clay minerals as irregular 3-10mm inclusions.		float 10cm	2.0	0.02
822-2023	L36+75N/3+75E	White to lt red/br weathering vuggy angular quartz float.Contains ≤10% vugs. Angular sericitized frags are present up to 30% Mn-Fe staining & up to 5% calcite present.		float 8cm	2.0	0.39
821-2021	L38+75N/4+00E	Quartz/chalcedony vein in dk grey fine grained dacite lapilli to ash tuff. Vein is brecciated,containing up to 10% angular frags.Chalcedony is white to grey & is often banded.Up to 10% vugs occur in vein & rarely small (≤0.5cm)quartz (cockade) crystals.Minor silicification is associated with vein boundries.		outcrop 4 x 6m vein 6cm	3.0	0.08
822-2024	L38+50N/7+50E	Rounded quartz cobble,contained 5% vugs & 10% sericitized wallrock frags(2-3cm angular).		6cm	5.0	0.25

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Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-2025	L38+25N/6+75E	Brecciated quartz,angular cobbles,cockade Up to 40% rx is vug, with individual quartz crystals up to 1cm long.Frags are same as wallrx & make up 30% of rx. Frag strongly sericitized.Contains fluorite crystal casts up to 1cm wide.		4 x 3m area	4.0	0.4
822-2026	L38+75N/5+00E	Angular brecciated quartz,contains up to 50% frags(angular 1-4cm);lt green sericitized tuff and dk red/br manganiferous frags from jasper bearing densely welded rhyolite crystal tuff. Quartz is cockade.Fluorite crystal casts up to 1.5cm wide occur.		4 x 8m area	6.0	1.06
822-2027	L38+25N/3+00E	Brecciated quartz vein,angular cobbles; cockade & contains up to 30% vugs.Up to 25% sericitized wallrx frags(<1-4cm long).		float 8cm	a)4.0 b)6.0	0.15 0.3
822-2028	L38+75N/2+75E	Subrounded to angular quartz float,cockade with crystals up to 0.3cm long.40% vugs,20% is sericitized wallrx frags; banded chalcedony.		float 10cm	a)6.0 b)3.0	0.13 0.07
822-2029	L38+00N/1+75E	Angular brecciated quartz vein;cockade Calcite & fluorite crystal casts;quartz crystals up to 0.3cm long.Silicified wallrx frags are green to dk br & make up 20% of sample.		float 20cm	a)3.0 b)3.0	.07 .02
822-6021	L37+50N/5+95E	Gossanous, fractured pale green saussuritized rhyolite lithic lapilli tuff. lite lithic lapilli tuff.		float 25 x 15cm	2.0 1.98% Fe	0.81 .066% Mn
822-6022	L37+50N/6+75E	Rusty grey weathering;sugary quartz & silicifed/brecciated tuff, euhedral (1-3mm)quartz along fractures & vugs with minor quartz replacement of calcite blades.		float 15 x 7cm	2.0	0.38
822-6023	L37+50N/6+75E	1-3mm seams of euhedral quartz surrounding breccia & vugs (3-5%).		float 15 x 7cm	2.0	0.4

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6024	37+50N/6+75E	Orange/rusty grey,breccia,silicified rx frag,vuggy quartz & quartz after calcite.		float 22 x 7cm	2.0	0.46
822-6025	L37+50N/6+95E	Very rusty (gossanous) tuff,fractured.		float 20 x 10cm	3.0	0.33
822-6026	L37+25N/4+50E	Gossanous lithic lapilli tuff,Fe-Mn as fracture coatings & seams.		float/subcrop 30 x 50cm	3.0	0.24
822-6027	L37+50N/4+25E	Dk red/br weathering,brecciated & fractured pale green silicified tuff? with 1% pyrite.		float 20 x 10cm	<2.0 3.72% Fe	1.48 0.448% Mn
822-6028	L37+50N/4+24E	1cm euhedral quartz crystals form radiating crusts around siliceous rusty rx breccia.		float 10 x 6cm	<2.0 1.47% Fe	0.91 0.102% Mn
822-6029	L37+10N/3+40E	From talus slope,dk br very altered & fractured tuff? gossanous limonitic staining with minor 0.5mm quartz crystals on face,vugs & fractures.		float 12 x 8cm	48.0	1.44
822-6030	L37+58N/3+35E	Alternating bands of(1-2cm wide) cockade & vuggy quartz veins & rusty red br Fe alteration;1% quartz after calcite blades,minor 1cm bands of silicified & brecciated wallrx.		float 26 x 15cm	1950	4.5
822-6031	L37+50N/1+30W	Quartz vein breccia,weathers rusty grey, 90% blue grey quartz,brecciated & pale green siliceous rx frags,2% orangey clay alteration & dk grey Mn staining.		float 30 x 18cm subangular	36.0	1.2
822-6032	L39+00N/1+75E	Beige/grey,sugary massive quartz surrounding orange altered tuffs,minor vuggy quartz cavities;subrounded float.		float 30 x 15cm	10.0	0.67
822-6033	L39+25N/1+75E	Vuggy euhedral quartz bands(1cm wide) surrounding rusty rx frags;20% massive quartz(rusty - grey/white).		float 4 x 12cm	7.0	<0.02
822-6034	L39+25N/1+75E 0.5m from 822-6033	Vuggy quartz vein material surrounding <1cm size rusty breccia & grey/white massive quartz with frags;+/- <1% broken quartz after calcite blades.		float 5 x 4; 3 x 4cm	27.0	1.5

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6035	L40+00N/4+50E	Vuggy quartz(10-15%) surrounding rusty silicified brecciated rx;1% (1-2mm) white quartz veins cross cutting.		float 9 x 15cm	3.0	0.51
822-6036	L39+50N/5+01E	Vuggy quartz breccia in rusty talus; 4 x 6cm 10% rusty angular altered rx frags(1-2cm);rare fluorite casts & broken quartz after calcite blades.		float	61.0	1.0
822-6037	L39+70N/5+10E	Rusty orange frags (silicified tuff?) in a grey/white quartz matrix with vuggy euhedral quartz surrounding breccia,1% fluorite casts.		float 4 x 10cm	1500	7.6
822-6038	L39+80N/5+80E	Rusty weathering;massive sugary quartz(70%) with limonitic vugs,surrounding beige silicifed breccia (10%); 20% 1-3mm white bands of euhedral quartz surrounding frags;rare fluorite casts.		float 25 x 15cm	140	2.6
822-6039	L39+81N/5+80E	Rusty weathering;silicified;quartz porphyritic rhyolite with 10% vuggy quartz veins.		float 36 x 40cm	29	0.81
822-6040	L39+24N/6+00E	1-2cm bands of vuggy euhedral quartz surrounding rusty angular siliceous frags;Fe & Mn staining;50% quartz, 50% breccia.		float 25 x 13cm	8.0	0.11
822-6100	4m in direction 206 from L30+50N 0+75E	Quartz float,creamy,rusty patches,fluorite casts & Mn staining.Rhyolite frags with quartz eyes.		float 2 x 1cm to 8 x 3cm	159	2.02
822-6101	8m in direction 088 from 30+50N/ 1+00E	Quartz float,cream with rusty patches; fluorite casts & Mn staining;frags of medium grey siliceous, porphyritic volcanic rx.		float 2 x 1cm to 5 x 4cm	2.0	<0.02
822-6102	3m @ 116 from 30+75N/1+00E & 3 pieces 10m @ 154 from 31+00N/0+75E	Quartz float white colour & banded, vuggy with rusty frags.		float 1 x 1cm to 2 x 3cm	2.0	1.6

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au *ppb*	Ag *ppm*
822-6103	2m @ 040 from 32+00N/0+25E	Quartz float,cream;banded & vuggy,locally drusy appearence;volcanic frags medium grey siliceous porphyritic; minor fluorite casts.		float 4 x 5cm to 0.5 x 1cm	3.0	0.22
822-6104	11m @ 138 from 31+75N/0+25E	Quartz float,cream with greenish tinge; fluorite casts;Mn staining.		float .5 x .5cm to 5 x 6cm	2.0	0.15
822-6105	6m @ 088 from 32+00N/0+25E	Quartz float,cream/green chalcedonic, few fluorite casts,minor Mn staining.		float 1 x 2cm to 5 x 7cm	2.0	0.33
822-6106	20m @ 353 from	Quartz float,cream white to colourless;		float	2.0	0.3
822-6107	32+25N/0+25E lower edge of snow patch	banded & vuggy with Mn staining between bands.		1 x 1cm to 6 x 10cm	2.0	0.19
822-6108	10m @ 018 from 33+25N/0+50W	Quartz float,cream,chalcedonic;banded & fluorite casts;minor needle like casts 1cm x 2cm;Mn staining.		float 0.5 x 0.5cm to 4 x 8cm	3.0	0.09
822-6058	L31+37N/1+20E	Reddish br weathering siliceous rx frags & dk green fine grained frags(altered tuff) surrounded by vuggy quartz & veins;banding-quartz veins & cockscomb quartz;minor Mn staining.		float 2 - 5cm	3.0	0.02
822-6059	L31+37.5N/1+20E	Rusty br weathered;altered vuggy quartz banded veins with minor fluorite casts in silicified tuff.		float 4 x 13cm	6.0	0.06
822-6060	L31+95N/0+99E	2-3mm vuggy bands of euhedral quartz surrounding 1-3cm siliceous frags;5% vugs, minor Mn staining.		several 3-5cm float	4.0	0.1
822-6061	L32+42N/0+75E	2-3mm bands of cockade vuggy quartz surrounding siliceous rx frags(rhyolite tuff?) also a 2cm band of grey quartz surrounding minor frags,<1% fluorite casts.		several 3-6cm float	3.0	0.02
822-6062	L34+26N/0+00	Rusty/grey massive quartz & banded vuggy quartz (2cm wide) with rusty br rx frags(<0.5cm).		float 3 x 6cm	3.0	0.03

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6063	L34+45N/0+50E	Vuggy rusty weathering 30% vuggy bands of quartz & 3% quartz after calcite blades,10% vugs.		float 10 x 18cm	3.0	1.0
822-5022	L32+20N/0+85E	Found in clay rich soil along linear quartz chalcedony & cockscomb quartz veinlets & stockwork within sericite altered brecciated tuff.		grab 1-3cm	6.0	0.47
822-6067	L33+42N/2+95E along strike of main structure	Dk br,Mn stained silicified welded rhyolite tuff;highly fractured with yellow/br limonitic alteration along fractures.		float 6 x 10cm	4.0	0.38
822-6068	L33+51N/3+00E	Dk br,Mn stained very silicieous(bleached rhyolite??)		float 7 x 10cm	4.0	0.06
822-6070	L35+25N/3+77E	Yellow green weathering;altered & stained granodiorite with 5% 2-3cm wide white massive quartz veins & 1% epidote veins;minor limonite along fractures.		float 12 x 8cm	4.0	1.2
822-6069	L35+05N/3+75E	Dk br,Mn stained very fractured & altered(porphyritic rhy-dacite? 2% rusty staining on fractures.		float 8 x 7cm	5.0	0.83
822-6071	L37+00N/3+45E 030 trending splay	Yellow/green altered tuff? with a 0.5cm wide vein of euhedral quartz(1%).		float 10 x 6cm	3.0	0.4
822-6072	L36+95N/3+50E	Vuggy quartz with some altered tuff & dendritic Mn staining.		several 3x4 to 1x3cm	3.0	0.53
822-6073	L36+80N/3+60E	Yellow green/br(altered rhyolite tuff?) very fine grained;rusty & Mn staining along fractures;3%(1-4mm)vuggy quartz veins.		float 8 x 5cm	2.0	0.68
822-6074	L36+95N/4+25E	Gossanous very siliceous rhyolite? with rusty(clay)& Mn alteration.		float 12 x 15cm	4.0	1.9
822-6075	L37+50N/3+30E upslope of 822-6030	Vuggy quartz with rusty red/br bands adjacent to wallrx,rare fluorite cast.		several 3-4cm	120	0.53

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6089	L38+08N/4+76E continuation of main structure	Vuggy quartz(0.5-3cm wide bands of euhedral quartz)surrounding tuff frags? minor cockade & banded chalcedonic quartz.		float 2-5cm	140	1.3
822-6090	L38+25N/4+80E	Breccia dk br/rusty on weathered surface, siliceous,1-3cm rhyolite frags surrounded by 0.5-1cm wide vuggy cockcade quartz veins <1% pyrite.		float 8 x 10cm	1600	3.2
822-6091	L38+55N/4+95E	Vuggy quartz veins surrounding green siliceous rx frags;2% rusty alteration along fractures,minor fluorite casts.		float 2-4cm	57.0	1.15
822-6092	L38+51N/5+01E	Vuggy bands of euhedral quartz .5-2cm wide surrounding angular siliceous frags (rhyolite?); fluorite casts;minor banded chalcedonic quartz;2% rusty alteration along fractures.		float 2-5cm	92.0	1.57
822-6093	L38+75/5+00E	Very fine white sugary quartz,3% rusty Mn alteration 1% fluorite casts;2% vuggy 2mm wide) quartz veins.		float	4.0 8 x 15cm	2.6
822-6094	L38+48N/5+10E	2cm wide veins of vuggy quartz surround siliceous frags;1% fluorite casts.		float 3 x 6cm	41	0.96
822-6095	L38+80N/5+20E	Vuggy & cockade quartz veins surrounding siliceous frags(30%);banded chalcedony between frags & euhedral quartz crystals, 1% fluorite casts.		float 6 x 10cm	3.0	0.5
822-6096	L38+85N/5+20E	Vuggy quartz(1-2cm long euhedral crystals) surrounding 10-20% br siliceous frags; 2% fluorite casts & very fine quartz after calcite blades;minor banded chalcedony.		float 2x3 to 4x10	13.0	0.7
822-6097	L38+88N/5+22E	Vuggy quartz(0.5-1cm wide bands) surrounding br/green siliceous frags; 1% fluorite casts.		float 3 x 4cm to 5 x 6	39.0	1.03
822-6098	L38+89N/5+15E	1cm wide vein of vuggy quartz surrounding 30% br/grey siliceous frags,5% banded chalcedony & milky white silica coating frags,1% pyrite?		float 10 x 15cm	403	4.8

AURUM GEOLOGICAL CONSULTANTS INC. ROCK SAMPLE LOCATION AND DESCRIPTION RECORD

Date: June, 1988 Project: WAT Claims Area: Skukum, Wheaton River Yukon

Sample No.	Location	Description	Attitude	Width	Analytical Results Au ppb	Ag ppm
822-6099	L38+90N/5+10E	Br green siliceous rx with 5% 2-4mm wide vuggy quartz veins;minor Mn staining;1% rusty br staining.		float 6 x 12cm	43.0	7.0
822-6109	L38+80N/4+70E	White grey massive & vuggy quartz sur-sounding 30% beige to yellow/green sub-angular rhyolite? frags(0.3-2cm);2% orange limonitic alteration & 1% Mn stain.		float 15 x 20cm	2.0	0.46
822-6110	L39+08N/5+15E	Grey sugary quartz with 30-40% beige to pale yellow breccia frags(<0.5cm).		float 10 x 20cm	2.0	1.38
822-6111	L39+10N/5+25E	Grey to beige quartz with breccia frags (20%);2% white clay alteration,Mn stain & 3% limonitic alteration(same as 822611O).		float 30 x 42cm	2.0	1.63
822-6112	L39+09N/5+25E	Grey/white sugary quartz with minor vugs & 3% white clay alteration;1-2% orange/rusty alteration;minor Mn stain.		float 15 x 10cm	<2.0	1.5
822-6113	L39+15N/5+25E	Vuggy quartz veins 2-3cm wide surround-ing pale yellow siliceous rx frags (40% 3-6cm in size);1-2% white clay alteration along fractures;minor banded chalcedony; <1% rusty pyrite?		float 9 x 10cm	1060	14.0
822-6114	L39+22N/5+25E	Very rusty/limonitic altered tuff?;grey br siliceous rx with pods of grey quartz with fluorite casts.		float 8 x 10cm	2.0	1.0
822-6115	L39+35N/5+15E	Very altered dk purple gossanous tuff??; with 5% 2-3mm wide vuggy quartz veins.		float 15 x 30cm	2.0	1.85
822-6116	L39+50/5+25E	Vuggy quartz veins surrounding beige/ green siliceous frags(20%);minor banded chalcedony;1% fluorite casts.		float 10 x 15cm	2.0	0.65
822-6117	L39+35N/5+35E	Grey quartz with 20% fractured pale yell-ow/beige frags;2% white clay alteration limonitic staining.		float 10 x 15cm	3.0	6.6
822-6118	L39+74N/5+00E near 822-6037 1500ppb Au	Vuggy quartz 1-2cm long euhedral quartz crystals with beige/br altered tuff?? frags;minor fluorite casts;		float 2-5cm	2.0	0.4

APPENDIX B

DRILL LOGS

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No 88-01 — Page 1 of 4

Property SAID-THE-WAT	NTS 105 D/6	Claim SAID9	Elevation 2112.1 m	Azimuth 332°	Length 61.57m	Dip -78°
Coordinates UTM 755803 0+25S 0+64E	Dip Tests ——— N/A	Advance 12.8m	Depth 60.2m	Date Collared JULY 07, 1988	Date Completed JULY 15, 1988
Purposes SIMPLE MAIN FAR SW ZONE STRUCTURE / ABANDONED HOLE	Drilled by CARON	Assays by Bondar-Clegg	Logged by PJM

	Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	SAMPLE COMMENTS	Au ppb	Ag ppm
	0.0	9.05	0	—	CASING							
PG1	9.05	10.70	93	0	RHY BX/XTAL/ASH TUFF - grey to varicoloured rhyolite bx with lenses (beds) of v. fine gr. ash tuff and xtal/lithic tuff - xtal/lithic tuff - pervasive minor argillic alteration, notes to chlorite - rhy. ash tuff - lt green v. fine grained - oriented 45 to 90° to C.A. - - bx - fragments to 1.5 cm (actually lapilli) - ash tuff - xtal tuff - flow banded rhyolite - patchy alteration (argillic) → sericite - v. lt. green replacement most conspicuous in ash layers STRUCTURES - core highly fractured and broken - Fe oxide clay fractures - most prominent orientations 0-45° to C.A. - beds oriented 45 to 90° to C.A.							
KG1	9.50	9.90			- gouge/highly broken core. - UC - NA LC - 90° to C.A. - fragments are xtal lithic/ash tuff from PG1 - up to 20-25% lt green, clay [redacted] mica? → sericite - up to 30-40% clay/mica? within 5cm of LC.	128251	9.50	9.90	.40m	G	2.0	0.6
PG1	9.90	10.36			- interval description as above: additional notes: core is broken in this interval, up to 50% of rock is ash tuff. - L.C. - NA - 75% clay is last 5-10 cm of interval.	128252	9.90	10.36	.46m	G	3.0	0.4
PG1	10.70	11.59	100	24	- DAC 176 / RHY? ~~dike~~ xtal tuff - dk. green - feldspar porphyritic - looks like all he would like to be a dacite dyke - very siliceous - possibly gz. flooded but doubtful - Contacts N.A. - quartz moderately fractured - some clay alt'n of fracture planes. - Hairline white grained (clay-like) material [illegible]							

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-01 Page 2 of 4

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	Sample Comments	Au ppb	Ag ppm
10.70	11.85			- continued.									
				- structures: fractures at all angles to C.A. - prominent orientation 70 to 90° to CA.									
PG 11.85	20.73	100	.85	RHY (DACITE?) LAPILLI/ASH TUFF - interbedded. lt. grey/green rhyolite - core highly broken with numerous small gouges.									
				STRUCTURES - prominent orientations 45° to 60° to C.A.									
				- small hair-like discontinuous fracture coatings (MnO?)	VNQ								
16.20				VEINING: cockade crystalline qtz at low ∠ to C.A. 0-10° widths to 1cm - white clay to 5% - assoc. w/ veining.									
PG 14.90	15.25			- GOUGE - clay / highly broken core. - U.C. NA. L.C. - 60° to C.A.	G		14.90	15.25	.35m	128253		10.0	0.18
15.25	15.54			- gouge	G		15.25	15.54	.29m	128254		15.0	0.10
							16.15	16.50	.35m	128255	- qtz veining ± clay	2.0	0.17
							16.50	17.0	.50m	128256	- broken core + porous material along fracture.	3.0	0.14
20.20	20.40			- CLAY GOUGE - prominent; rock frags to 20% remainder buff to lt. grey clay / U.C. 5° to C.A., L.C. - NA	G		19.9	20.2	.30m	128257	- upper margin of gouge.	5.0	0.10
				- rock frags are xtall tuff / ash tuff			20.20	20.60	.40m	128258	- gouge.	2.0	0.14
							20.60	20.73	.13m	128259	- lower margin of gouge.	3.0	0.20
PG 20.73	22.35	100	0.26	RHY-DACITE - LAPILLI/XTAL TUFF (BX IN PLACES)									
				- variicoloured; dominantly dk purple-grey blocks to 4cm of flow banded rhyolite									
				- ash layers occassionally altered to clay (± sericite) - imparting a green colour.									
				- veins chloritized in places = carbonate ± minor replacement of plag.									
				- 2-3% mag-hematite? frags to 5mm - moderately to strongly magnetic.									
				- zones of strong silicification - patchy - qtz flooding?									
				- carbonate pervasive throughout unit 1-2%.									
				STRUCTURES: core highly fractured; 0° to C.A. and 45° to CA. are prominent vein #.									
				- calcite clay fracture 45° and 0° to C.A.									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-01 Page 3 of 4

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
PG 22.35	30.05	100	.27	RHYOLITE LAPILLI TUFF - frags - fbrdy - - ash tuff - plag - mafics - avg size .2mm; up to 1cm in size - UC & LC gradational to dacite xtal/lapilli tuff (see above PG1)							
					28.7	29.7	1.0m	12860	- w/ 1% "clay" veinlets throughout sample interval.	2.0	0.32
30.05	30.60	100	.69	RHY. LAPILLI/XTAL TUFF see interval 20-73 to 22.35 - upper contact gradational. - lower contact obscured NA.							
PG 30.60	46.25	91.7	.07	RHY. LITHIC LAPILLI ± WELDED TUFF - bleached - rusty to buff - highly broken, much clay alteration, friability & lithogenic, to 20% - 30% - clay in fractures							
				STRUCTURES - bedding @ 55° to C.A. Imparted by flattened ash tuff fragments - fractures - many & pervasive, - typically hairline, delineated by Mn O, Fe O or clay - rarely qtz veins/veinlets/orient 0-45° to C.A. - veins - orientation prominent 0° to C.A. & 45° to C.A., lesser orientations at angles between 0 & 45° to C.A. - qtz, sericite?, white clay, negligible carbonate, qtz to 2 - ~~clay~~. Size <1mm - 1cm with stockwork either side to 3cm of.							
	38.75m				38.70	39.32	.62m	128271	- qtz veining to 5-10% of interval, 1-2cm width		
31.0	31.39			LOST							
					31.75	31.90	1.15m	128261	- broken + clay, 0.4 Lost.	2.0	0.37
32.10	32.40			GOUGE	32.10	32.40	.30m	128262	- clay gouge	2.0	0.40
32.40	32.75			Gouge - brown coal, gouge to 30% of material. L.C. ~50° C.A. U.C. ~50° C.A.	32.40	32.75	.35m	128263	- clay gouge	2.0	0.22
32.75	46.40				32.75	46.40	.65m	128264	- broken clay gouge	<2.0	0.40

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-01

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
33.90	34.10			- Gouge / QVN	G		33.90	34.10	.20m	128265	- clay gouge 90° - ~~rock~~ qtz veining <1cm ~10% of interval.	<2.0	0.45
					G		34.44	35.97	1.57	128266	33% rec	76.6	0.46
35.97	37.01			- Gouge / QVN - white to buff clay + rock/qtz veining) 1cm to 1%	G								
35.97	37.87			LOST / L.C. 40° to C.A.			35.97	37.40	1.43m	128267	.9m lost + .53m sample	2.0	0.36
~~37.87~~				-			37.40	37.85	.45m	128268		3.0	0.58
37.85	38.20			- Lower margin of adjoining gouge - rock highly clay altered, - v.f.g. white to lt. pink min coating fracs to 1% (rhodocrosite?)			37.85	38.20	.35m	128269		2.0	0.52
38.20	39.32			- broken & clay altered rock			38.20	38.70	.50m	128270		2.0	0.72
					QVN		38.70	39.32	.62m	128271	- qtz - vein (see 66001. p.3) 10% of interval.	5.0	0.50
				- Gouge, broken core / L.C. 50° to C.A.	G		39.32	39.90	.48m	128272		2.0	0.40
				- Gouge, broken core ± clay to 30% of interval - rock frags clay, lapilli to BR	G		40.75	41.20	.45m	128273		2.0	0.50
							42.85	43.75	.90m	128274		2.0	0.40
				- Lightly broken / clay gouge to 30% QVN @ 0° to CA	G		45.45	46.25	.80m	128275	42 vn. <5°,	44.0	0.40
PG 46.25	50.05			RHY LITHIC LAPILLI/XTAL TUFF ± WELDED - dk. purple grey (30.05 to 30.6m interval same)									
PG 50.05	61.57			RHYL LITHIC LAPILLI/XTAL TUFF/WELDED - base interval 30.6 to 46.25m)			51.45	52.00	.35	128276		2.0	0.18
	E.O.H.						52.00	52.65	.65	129277		<2.0	0.14

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-02 ABANDONED — Page 1 of 2

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
SAID-THE	105 D/16	SAID 3, 35	2112.1m	292°	32.6m	-74°

Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed
DP No.2 FARSW ZONE GRID 0+26S/0+64E. UTM 755803		9.0m	31.3m	July 16 '88	July 20 '88

Purposes: SAMPLE MAIN FARSW ZONE STRUCTURE / try wedge July 20, hole abandoned. — Drilled by: CARON — Assays by: Bonnigner-Magenta — Logged by: PJM

	Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
	0	1.44	0		- CASING				
PGI	1.44	10.10	100	—	- RHYOLITE XTAL/ASH TUFF: lt. to med. grey fine to extremely fine grained tuff.				
					- lenses (beds) of extremely fine grained ash tuff - grade into fine grained xtal tuff. - angles to core axis 40 to 45°				
					- intervals of intensely broken core - highly fractured. - prominent orientations 0° and 70 to 90° to core axis.				
					- minor clay gouges at 80- to 90° to core axis - 5-10cm in width				
					-				
PGI	10.10	12.80	100	.07	- RHYO-DACITE? - xtal/ash tuff (epiclastic): dominantly fine grained ash tuff over the interval - ~~med to lt~~ light to dk. grey				
					- ash tuff beds oriented 80° to 90° to core axis				
					- many 'soft sediment' features present - slump - load casts - faults				
					- white to pink clay-like material coating and filling fractures to 2-5mm widths (11.45m)				
PGT	12.80	13.40	100	.09	±WELDED lt green to dk grey (purple) RHYOLITE XTAL/LAPILLI TUFF / BRECCIA - ubiquitous lapilli tuff.				
					- essentially occupies remainder of hole length.				
					- over this interval rock is med to lt. grey - bleached - significant intermittent clay alteration: alteration of ash tuff frags (?) to green clay (dickite ?) series				
					- ash tuff intervals common upto 10-20cm width - 60° to C.A.				
					- MnO dendrites ubiquitous on fractures				
	12.80	13.00			- highly broken core.				
	14.63	14.80			- highly broken core				
					STRUCTURES - bedding - common orient. 60° to C.A. - irregular contacts of lapilli tuff and sediment features				

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-02 Page 2 of 2

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.			
				- STRUCTURES cont.:									
12.10	14.45			VEINING - between ~60° to C.A. to 4mm width - regular constant orientation 60° to C.A. (i.e. parallels bedding in tuffs) - quartz sole mineral - milky translucent to gray - variable	QVN		13.10	13.72	.62m	128278	QVN - drusy - open space coating fractures	10.0	0.16
							13.72	14.45	.73m	128279	- typical "low temp" stockwk textures; ≤1.5 vnlets/metre	5.0	0.26
13.10	13.20			- pervasive clay alteration at HW of veinlet. - clay gouge to 30%.	G								
				(- ash tuff in vicinity of vning is lt-green in colour. and pervasively altered to clay.)									
	14.45			- fractures oriented 45° to C.A. but ~85° from ash tuff/lapilli tuff bedding.									
				- bedding in lapilli defined by welding of ash tuff fragments to 1cm oriented ~ 80-90° to veining (see entry above)									
14.63	14.85			- rubbly core.									
				- fractures as oriented throughout interval - with addition of bleached (buff) selvages to 2mm either side.									
15.40	16.00			RHY. ASH TUFF									
16.90	18.10			- minor clay alteration & gouge (10%) and veining (to 2cm) 40° to C.A.; ≤1.5 vnlets per m.			16.90	17.50	.60m	128280	- textures as above - "low temp."	4.0	0.13
							17.50	18.10	.60m	128281		6.0	0.11
18.10	19.00			- altered Lapilli tuff between intervals of qz veining; 5% clay gouge - otherwise patchy alteration to clay 20%			18.10	19.00	.90m	128282		2.0	0.32
19.00	19.15			- gouge/highly broken core.			19.00	19.15	.15m	128283		5.0	0.10
RQD 19.00	23.40			RHY. ASH TUFF: core highly broken, fractured; bedding 55° to 65° to C.A. orientations 30°, 80° to C.A. - ~90° to bedding. - clay coating fractures 2mm in width. - L.C. 45° to C.A.									
RQD 23.40	32.60	100	0.30	- U.C. 45° to C.A. RHY. XTAL/LAPILLI/ASH TUFF: welded. - flattening of ash frags 55° to C.A.; magnetite 27.75 to 32.60			24.70	25.05	.35m	129284	QVN - clay gouge 30% frags 50% clay to 10%, highly broken core.	8.0	0.41
							26.98	27.08	.28m	128285		2.0	0.13
29.00	30.60			- as above but altered, altered ash frags to 20% clay; nodules to 1cm dia.			29.00	30.60	.70m	129286		6.0	0.06

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-03 — Page 1 of 12

Property SAID-THE	NTS 105 D/6	Claim SAID 9	Elevation 2112.1m	Azimuth 292°	Length 454' 138.4	Dip -80°
Coordinates UTM 755803 01265 07646	Dip Tests N/A	Advance 24.03 m	Depth 136.3m	Date Collared JULY 21, 1988	Date Completed JULY 29, 88	
Purposes SIMPLE MAIN FARSW ZONE STRUCTURES / wanted to go deeper → couldn't drill	Drilled by CARON DIAMOND DRILLING	Assays by BARRINGER-MAGENTA	Logged by PJM			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
0	7.0	0	0	- CASING				
PGT 7.0	18.62	89	.04	- RHYOLITE (XTAL) LAPILLI TUFF / INTERBEDDED W/ INTERVALS OF ~~RHYOLITE~~ RHYOLITE ASH TUFF - lt grey to md grey-green - LAPILLI TUFF: locally extensively altered.. - entire interval highly broken (altered) core - alteration is a mild pervasive. - bleaching (argillization?) - much Mn ± wh. to clay along fractures - minor Fe staining - ash is conspicuous by lt. grey colour and extremely fine gravel texture; ash layers very irregular. STRUCTURES - bedding - graded in xtal tuff intervals; orientation 85° TO C.A. (DIP 75°) ash tuff bedding: same as xtal tuff. - contorted - v. minor shears at 40-50° to C.A. to 5cm in width - dominantly sericite (green) + clay mixture.				
PGT 18.62	30.70 26.30	100	0.26	RHYOLITE XTAL ± LAPILLI WELDED TUFF (DACITE ±?) - dk green - "classic" xtal tuff to ~21.0m - welded tuff definitely flattened ash fragments/calcite lenses @ ~85° to C.A. alteration: hardly none: rock is fairly fresh - minor chloritization of mafics: - xtal + lapilli tuff contain characteristic jasper-like fragments to 1.5cm that are magnetic - these rock fragments are diagnostic of rhyo-dacite xtal/welded tuff. - matrix of tuff slightly to moderately magnetic → ilmenite?. if so little alteration to leucoxene - mild carbonatization of matrix → plag replaced by calcite. ~~HHH~~ carbonatization is indicate of the more mafic rocks - possibly more dacitic than rhyolitic / patchy silicification e.g. 22.95m				

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03 Page 2 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
				STRUCTURES - minor fracturing & shearing with attendant alteration fronts - rarely exceed 10cm of sericitization/argillization - carbonate filling fracs to 1-2mm. ORIEN in 10° and 45° TO CORE AXIS - L.C. gradational to ~~26.90~~ 30.70m									
50 26.90	30.70			ALTERED RHYOLITE XTAL/LAPILLI TUFF - WELDED. - same rock as intervals above and below - intermediate to intense pervasive argillic alteration - U.C. marked by qz vein + pink clay-like material. - qz is typical cockade milky to clear with euhedral terminations + additional sug-filling mineral - pale yellow to buff sub to euhedral rhombohedrons ?? → possible K-spar ??	QZVN	2cm	26.50	26.90	1.4m	128371	- altered HW to shear + qz veining	2.0	0.59
					QZVN	2cm?	26.90	27.00	.10m	128372	- qz veining to 2cm ± spr? K spar? veining to 10% of interval	116.0	0.35
							27.00	27.15	.15m	128373	- altered FW to shear above.	2.0	0.8
				STRUCTURES - rock is greatly sheared - mod clay + sericite? in-part. lt green colour. - shear orientations parallel U.C. giving 40° TO core axis & 60° dip of structure - qz veins to 2cm in width adjacent to sheared sericitized lapilli tuff - total width of shear ~10cm									
30.70	37.49	100	.10	RHYOLITE/~~DACITE~~ XTAL/LAPILLI TUFF - Locally extensively altered adjacent to minor shears eg. 33.53m - rock as interval 18.62m to 26.90m.									
				STRUCTURE - minor shear c.a. 33.53 - fracture orientations - low ∠ (0-10°) + moderate (45°) to C.A.									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
37.49	40.95	100	.35	RHYOLITE LAPILLI WELDED TUFF - similar to interval 18.62 m to 26.90 m - welding more prominent in this interval - strongly welded - ash tuff frags to 3 cm along long axis - pervasively altered to sericite/clay mixture other alteration: matics to chlorite/hematite (minor); plag. particularly in gndmass → carbonate STRUCTURES - bedding defined by flattened ash tuff fragments orientation 85° to C.A. = dip 15°, 15° fractures: fairly devoid of any mineralization, minor clay + iron oxides; orient. 10°-15° and 50° to 70° to core axis.
40.95	47.70 ~~47.90~~			RHYOLITE XTAL/LAPILLI TUFF - varicoloured to med. grey-green frags: flow banded rhyolite, jasper? (magnetic), ash tuff, plagioclase matics - avg size 2-3 mm, irregular ALTERATION - mild chloritization/hematization of matics; mild carbonatization of plag.; esp. in groundmass STRUCTURES: faint bedding oriented 65°-70° TO CORE AXIS. shears: not true shears - extensively altered along fractures - orient. 35° to C.A.
44.40	47.90 70			- rock as above but variably altered (sericitized/argillized) most prominent evidence of alteration is bleaching to lt. green - buff - and significant decrease in hardness
47.90 70	54.40	100	0.0	ALTERED RHYOLITE XTAL/LAPILLI TUFF: → WELDED extensive, pervasive sericitization, argillization ± carbonatization - Core is very broken and rubbly - alteration to 40% clay/sericite imparts light green colour to ash tuff fragments which constitute ± 50%. - pink clay-like mineral coating fractures - milky qz veinlets ~1mm < 1% of interval.

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
47.70	47.90	.20m	K 125257		5.0	0.54
47.90	48.40	.50m	125258		4.0	0.54
48.40	49.07	.67m	125261		3.0	0.40
49.07	49.60	.53m	125262		2.0	0.39
49.60	50.20	.60m	125263		3.0	0.40
50.20	51.00	.80m	125264		2.0	0.45
51.00	51.45	.45m	125265		82.0	0.46
51.45	52.20	.75m	125266		3.0	0.44
52.20	52.65	.45m	125267		3.0	0.56

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
PGT 54.40	66.95	100	0.SL	~ALTERED RHYOLITE XTAL/LAPILLI WELDED TUFF: (see interval 44.40 to 44.70m - identical rock.)
				ALTERATION: in form of bleaching - sericite/clay alteration of ash tuff fragments - occassionaly feoxide staining and coating fractures- notably in vicinity of alteration fronts e.g.
				- no carbonatization
	55.47			- minor open space texture qz vein to .5cm - bladed texture characteristic.
55.55	56.00			- silicified welded tuff - little other alteration to speak of - results in a dark green-purple rock - extremely hard.
				- minor carbonatization of feldspar
				implication → silicification + carbonatization (to some extent)
				STRUCTURES: fracture sets: 10° to C.A.; 70° to 80° to C.A.
				- same orientations for v. minor inlets of qz < 2mm in width.
58.00	—			- more prominent veins @ 58.0 m - with attendant selvedges
				- MnO, clay/sericite, qz → symmetrically from selvedge inwards
				- bedding: 80° to 85° to core axis.
				- veining makes angle of 85° with bedding / 45° to core axis
60.20	60.30			- intervals of highly sericite rich - altered ash tuff fragments - upto
61.40	61.50			70% of interval is flattened ash tuff fragments - bedding orient. same as rest of interval.
65 65.60	66.95			- extensively silicified rhy welded tuff; dark grey colour otherwise rock is as above
				- epidote on fractures
GI 66.95	69.95		?	ALTERED RHYOLITE XTAL/LAPILLI ± WELDED TUFF
				ALTERATION: up to 30% of rock altered to clay/sericite mixture giving light green to buff colour
67.40	73.11			- core is highly fractured, broken, rubbly for interval.

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
52.65	53.40	.75m	128296		2.0	~~0.5~~ 0.6
53.40	54.40	1.0m	128297		2.0	0.4
65.60	66.20	.60m	128374		2.0	0.12
66.20	66.95	.75m	12875		2.0	2.0
67.40	68.40	1.0m	128298		2.0	0.47
68.40	68.65	.25m	128299		2.0	0.25
68.65	68.95	.30m	128300		3.0	0.50

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
68.95	73.21			STRUCTURES: qz veining ± jasper ± pink clay mineral	QVN		68.95	69.90	.95m	128301	qz vning ~5% OF INTERVAL	3.0	0.53
				qz veins: cockade close to milky with euhedral terminations	QVN		69.90	70.10	.20m	128302		34.0	1.40
				width to 3cm - adjacent rock pervasively sericitized argillized	QVN		70.10	70.92	.82m	128303		51.0	0.58
				- qz veining to 5% of interval	QVN		70.92	71.62	.70m	128304		31.0	0.80
				orientations: 45° - 55° to core axis	QVN		71.62	72.07	.45m	128305		2.0	1.00
					QVN		72.07	72.60	.53m	128306		2.0	0.40
				quartz - typically euhedral terminations cockade milky qz	QVN		72.60	73.21	.61m	128307		37.0	1.18
				- v. fine grained grey (frosted in appearance) veins milky qz									
				- pink clay-like mineral (rhodrosite?) in core of ~~cockade~~ drusy qz veinlets → ∴ later / rhodonite also closely intermixed with									
				calcite along fractures (especially in andesitic (dacitic?) dyke). (see below)									
				ALTERATION:									
				silicification: locally intense in proximity to veining; rocks gray in colour implying sericitization/argillization prior to silicification.									
72.60	73.21			- GOUGE - to ~25% of interval. - marks lower contact of structure?									
				- 20% clay, 10% qz veining - remainder argillized dty. lapilli tuff fragments.									
73.21	78.61			ALTERED (SHEARED) RHY. LAPILLI TUFF:			73.87	74.33	.46m	128308		3.0	0.31
							75.20	76.00	.80m	128309		2.0	0.48
				ALTERATION: sericitization/chloritization followed by local qz flooding			76.20	76.88	.68m	128310		3.0	0.37
				76.88 → 77.03m silicified, & 76.0 → 76.88m			77.03	78.15	1.12m	128311		3.0	0.15
							78.15	78.61	.46m	128312		3.0	0.28
				- much rhodocrosite? & MnO staining along fractures									
				- core lightly broken & rubbly - v. fissured or gouge eg. 77.03 → 78.61m									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
78.61	80.50	100	?	ALTERED (SHEARED) ANDESITE (DACITE?) DYKE : (weakly porphyritic)
				- rock is a lt to med green fine grained andesite - pervasively altered to variable degrees
				ALTERATION: sericitization / chloritization / argillization minor carbonatization of plag. phenos. -
				- carbonate veinlets @ low to moderate angles to C.A. are characteristic.
79.45	80.05			- rock is greatly sheared, orient: eg. 79.90m 35° to C.A. (dip: 65°) shear is defined by a combination of chlorite lenses and carbonate veinlets along shear planes.
				- close association between calcite along fractures and pink clay-like mineral (rhodonite); up to 3% calcite as veinlets, 1% rhodonite
80.50	88.70	52	?	RHYOLITE ASH TUFF (± BRECCIA) : light grey-green extremely fine grained with weak to moderate brecciation defined by jasper filled fractures and thin (1-3mm) veinlets of red grey to clear quartz.
				ALTERATION: sericitization (± argillization) - imparts green colour to rock
				STRUCTURES: see note on brecciation above.
83.0	83.90			LOST
84.0	85.47			LOST
86.0	86.95			LOST
87.78	88.18			LOST
88.18	88.70			LOST

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
78.61	78.86	.25m	128313		3.0	0.20
78.86	79.45	.59m	128314		3.0	0.11
79.45	80.05	.60m	128315		8.0	0.16
80.05	80.50	.45m	128316		2.0	0.71
80.50	81.50	1.0m	128317	- alteration.	2.0	0.40
81.50	83.82	.32m	128318	- 1.9m LOST	2.0	0.30
83.82	85.65	1.83	128319	- 1.47m LOST	3.0	0.35
85.65	87.17	1.52	128320	- .95m LOST	84.0	4.7025 opt
87.17	88.70	1.52	128321	- 1.22m LOST	28.0	1.8050 opt

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03 Page 7 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION		Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
88.70	98.45	~~35~~ 67	?	ALTERED RHYOLITH XTAL/ASH TUFF: interbedded ash tuff horizons with xtal tuff; rock is light to med. grey, highly broken for most of the interval with several small gouges		88.70	90.70	1.0m	128322	1.42 m LOST	2.0	16.80
						90.70	91.44	.74m	128323		2.0	2.20
						95.50	96.4	.90m	128324	gouge	2.0	0.06
						96.40	97.0	.60m	128325	.20 m LOST	2.0	2.05
				ALTERATION:		97.0	98.0	1.0m	128326	.25 m LOST	3.0	0.47
				- extensive sericitization, notable in feldspars - to 20%		98.0	98.45	.45m	128327	gouge.	4.0	0.64
				- minor carbonatization of feldspars (most calcite is present as fracture fillings to 1%)								
				- clay alteration of groundmass 10-20%								
				- minor chloritization of mafics 10%.								
				STRUCTURES								
90.70	91.44			gouge - 35% of interval is clay/ser. ~~montmorillonite~~ kaolinite? ± calcite	G.							
93.40	93.50			gouge - 30% clay/sericite mixture.	G							
95.50	96.40			orientations 30-45° to core axis. (70°-55° dip).								
				gouge - 30% sericite, 40% clay, 5% calcite, 25% altered rock frags.	G							
98.0	98.45			gouge	G							
				bedding in tuffs: 45° to C.A. (dip 55°)								
89.00	89.52			LOST								
90.0	90.50			LOST								
92.39	92.96			LOST								
93.0	93.40			LOST								
94.0	94.44			LOST								
96.0	96.39			LOST								
97.0	97.76			LOST								

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03 Page 8 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	SAMPLE COMMENTS.	Au ppb	Ag ppm
98.45	102.72	96.5	—	RHYOLITE LAPILLI TUFF (intermediate ASH TUFF) - med green to red-brown variedamed. - highly broken core with short gouge intervals.			98.45	99.50	1.05	128328		4.0	0.58
							99.50	100.10	.60m	128329		4.0	0.20
				- alteration: argillic + sericite - mafics - bags - minor carbonatization.			100.10	101.19	1.09m	128330		2.0	0.50
				- mild brecciation.						128331	→ NO SAMPLE; TAG DESTROYED.		
				- fragments to 5cm: ash tuff, xtal tuff, flow banded rhyolite									
				ALTERATION:									
				sericitization - most pervasive fine grained ash tuffs, imparting a light green colour. e.g. 102.52 → 102.72 m									
				argillic - pervasive. mild to moderate - exhibited as varying degrees of hardness in plag. phenos, ash tuff frags and groundmass.									
				carbonatization - brecciation (see below); and weak replacement of plag. calcite <1% replacement; 1% as veinlets.									
101.0	101.15		→	LOST									
				STRUCTURES:									
				brecciation; gouge: e.g. 99.50 - 100.10m - brecciation defined by calcite veinlets <1mm; dominant orientation @ low angles to core axis → 10-15°									
101.19	101.9			gouge: v. sheared 40% clay/sericite (gouge); trace carbonate, FeOxides rocks fragments to 2cm → 60% - argillic/sericite alteration. no orientations.	G		101.19	101.90	.71m	128332	- clay gouge - 40% clay - sericite	<2.0	0.20
							101.90	102.72	.82m	128333		<2.0	0.28
102.72	109.60	95	—	ALTERED (BRECCIATED) RHYOLITE LAPILLI TUFF - variedcolored grey-green to lightgrey red brown; highly broken; moderate weak brecciation - several clay fault (slickensided) gouge intervals			102.72	103.28	.56m	128334		2.0	0.25
107.0	107.12			LOST									
				ALTERATION: rock is coarse lapilli tuff ~~unless~~ oxidized in places - hematitized ash tuff and fine banded rhyolite.									
				- pervasive + intense argillic alteration esp. proximal to gouge zones (See structure note below)									
				- in other places rock is relatively fresh									
107.29	107.49			LOST									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
				ALTERATION - cont. : mild carbonatization - particularly in gouge									
				- more competent intervals are silicified eg. 103.58 → 103.95m									
							D						
↓				STRUCTURE	G		103.28	103.58	.30m	128335	- clay gouge to 60% of interval	2.0	0.30
103.28	103.58			gouge : clay gouge to 60% of interval ; grey-brown clay (no carbonate, no sericite) mildly argillized rock fragments			103.58	103.95	.37m	128336	- rhy bx (lapillibx)	2.0	0.30
							103.95	104.70	.75m	128337	gouge.	<2.0	0.21
107.90	108.81			gouge - 30% clay - sericite / hematite gouge.			104.70	105.40	.70m	128338	- gouge.	<2.0	0.60
							105.40	106.50	1.1m	128339		<2.0	0.35
103.95	104.70			- strong gouge - clay, slickensided. (105m no orientations)			106.50	107.0	.50m	128340		2.0	0.27
104.70	105.40			clay to 40% of interval. - green - sericite? (also appears that bo zone dickite (kaolinite?)			107.90	108.81	.91m	128341	ngouge - cal	<2.0	0.36
							108.81	109.30	.49m	128342	gouge - calcite veining	<2.0	0.14
				- much hematite staining - in clay gives the appearance of rhodonite			109.30	109.60	.30m	128343		3.0	0.70
				- minor calcite stringers to 1mm. <1%.									
				- hematite 1-2%									
				- clay 40%									
				- dickite ? / 0%									
↓													
108.81	109.30			gouge - veiny - 60% of interval - clay + sericite -									
				10% calcite veining - v. sheared. lamellar calcite - lamellae defined									
				by soft black material → graphite? - probably MnO									
				orientation - calcite vn / gouge boundary 60° to core axis / dip = 40°									
P67													
109.60	114.80	95	—	GORNYOLITE COARSE CLASTIC altered coarse rhyolite [illegible] red-			109.60	[illegible]	12 .53m	128344		<2.0	0.24
				brown red fragments to [illegible] in matrix of dense clay rhy			110.13	110.[illegible]	.57m	128345	- gouge	<2.0	0.48
				- fragments are [illegible] boundaries - a [illegible] glance			110.70	111.[illegible]	.86m	128346	- 10% clay gouge - oxidized.	<2.0	0.92
				appears to be [illegible] boundaries			111.56	112.0	.44m	128347		2.0	0.6
110.70	110.90			LOST			112.0	112.20	.20m	128348	- fault gouge - highly sericitized	2.0	0.18
112.47	112.67			LOST.			112.20	112.55	.35m	129349	- oxidized	2.0	0.40
				ALTERATION									
				- most of interval is strongly silicified overprint of									
				hematitization and local sericitization of ash tuff frags.									
				- argillization + sericitization - in fault gouges eg. ~~111.56 - 12~~									
				intense & pervasive replacement of rock by 112.0-112.2m									
				clay / sericite in vns - ~~some~~ of which have shear sericitization									
				occurs only ~~at~~ in selvages of frags (this is true throughout)									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 89-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
				entire hole - complete replacement of plag phenocrysts by ?sericite ? - minor carbonatization → manganese oxide fracture coatings
				STRUCTURES: - principal fracture sets: 0-10° & 45-90° to core axis. - no orientation as shear → all fucked up !
114.80	120.20	100	—	RHYOLITE WELDED TUFF - dk grey-purple - stg weakly pyritic rock - in places pale (brownish-purple) coloured → evidence of mild oxidation → how? weird but true !
				- rock ~~with~~ fairly fresh & intact - classic typical & characteristic of your garden variety Skukum Group rhyolite welded tuff - however ! lacks characteristic jasper-like fragments exhibiting moderate to strong magnetism → I don't know why ???
				[redacted]
				[redacted]
				very [redacted] places [redacted] stg shearing (gouge) only near [redacted] with dyke. (orientation N/A) i.e. ~118.66 → 120.20 m where rock is intensely broken & moderately argillized - much carbonate in fractures (this feature is characteristic of the dykes (see note below.) - white clay-like material fairly common (~1%) along fractures ; ? carbonate, kaolinite ??

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
115.40	116.40	1.0m	128350		<2.0	0.2
116.40	117.40	1.0m	128351		<2.0	0.22
117.80	118.66	.86m	128352	~ oxidized	<2.0	0.22
118.66	119.0	.34m	128353		<2.0	0.3
119.0	119.50	.50m	128354		<2.0	0.32
119.50	119.80	.30m	128355	- altered, clay gouge - U.P. fractures ?	2.0	0.32
119.80	120.20	.40m	128356	- altered tuff / dyke contact obscured.	2.0	0.47

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
120.20	126.60	100	0.0	ALTERED DACITE (ANDESITE?) DYKE :
				- pervasive argillic + silicification of light to med. green dyke rock - weakly porphyritic - plag. feldspar.
				- upper and lower contacts obscured by shearing
				ALTERATION
				argillic - pervasive alteration - forms clay in groundmass - most of interval is broken, rubbly + clay gouge 124.0 → 126.60m.
				STRUCTURES -
				calcite veining characteristic - veining 3% of interval - <1mm to 1cm - avg. 3mm - white fine grained calcite - preferred orientations moderate angles to C.A. (50-65° dom.)
126.60	126.92			RHYOLITE LAPILLI TUFF - sheared [illegible] contact [illegible] dacite dyke. this interval is largely broken up to gouge [illegible] tuff rock [illegible] calcite veining
126.92	127.42			FAULT
				ALTERATION [illegible] mildly [illegible] alteration, [illegible] feldspar [illegible].
126.80	126.90			[illegible] rhyolite [illegible] fragments strongly quartz flooded [illegible] to carbonate veining @ 126.92 m.
				STRUCTURES
				- carbonate veining - no orientations measurable - veins to 2cm thick - moderately crowded, [illegible] carbonate white to light [illegible] - Fe carbonate + calcite ? - [illegible] - [illegible] by very fine grained [illegible] material → [illegible]

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
120.20	121.0	.80m	128357		2.0	0.22
121.0	121.90	.90m	128358		2.0	0.90
121.90	122.30	.40m	128359		2.0	0.28
122.30	123.0	.70m	128360		2.0	0.22
123.0	123.80	.80m	128361		<2.0	0.11
123.80	124.10	.30m	128362		<2.0	0.26
124.10	124.80	.70m	128363		2.0	0.11
124.80	125.60	.80m	128364		2.0	0.2
126.60	126.0	.40m	128365		<2.0	0.16
126.0	126.60	.60m	128366		2.0	0.20
126.60	126.90	.30m	128367	- gouge, argillic alteration.	<2.0	0.82
126.90	[illegible]	1.12	128368	- carbonate veining - gouge.	<2.0	0.27

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03 Page 12 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
128.02	129.10	100	N/A	RHYOLITE LAPILLI TUFF / QUARTZ VEINING	VNQ		128.02	128.75	.73m	129369	- qz vning to 5% of interval.	22.0	0.69
				- variegated - light to md. green to green brown - altered, highly broken and veined tuff			128.75	129.10	.35m	128370	"	2.0	0.17
				- % veining to 30% of the interval - balance of interval is altered (predominantly silicified) rhyolite tuff.									
				ALTERATION									
				- in intervals not veined rock is pervasively quartz flooded. eg. 126.80 to 126.90m									
				STRUCTURES:									
				quartz veining - 50/50 ratio of v. fine grained "sugary" textured light grey quartz, and fine grained predominantly milky white quartz exhibiting bull toy, moraine type space-filling textures i.e. comparable to dusty to weakly bladed.									
				- relationship between grey quartz & milky quartz; partially associated in contact and partially gradational → in some instances the relationship is texturally unclear.									
				- vein attitudes N/A generally - N/A planar structures.									
				- minor Fe carbonate disseminated quartz									
129.10	138.68 E.O.H.	100	.88	RHYOLITE LAPILLI TUFF dark grey to black welded [illegible] fragments exhibiting well [illegible] fabric; [illegible] rare [illegible] to 5mm [illegible] centimetres [illegible] to core axis.									
				STRUCTURES - bedding defined by welding (fiamme & flattened rock fragments) orientation 65° to core axis (dip 35° → 40°)									
				- microveinlets [illegible] filling very fine (<.5mm) veinlets parallel to bedding (65°) &									
				- fracturing [illegible] (45° & 85° to c.a.)									

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-04 — Page 1 of 3

Property SAID-THE	NTS 105D/6	Claim SAID 9	Elevation 2102.4m	Azimuth 325°	Length 158.8m	Dip -78°
Coordinates L1+98S 0+76E	Dip Tests -77°	Advance 33.0m	Depth 155.3	Date Collared JULY 30, 1988	Date Completed AUG. 07, 1988	
Purposes TEST MAIN FARSW ZONE STRUCTURE		Drilled by CAIRON		Assays by BARRINGER-MAGENTA	Logged by PJM	

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				OVERB				
1.44	12.75	100	0.65	RHYOLITE LAPILLI ASH/CRYSTAL- BEDDED TUFF - lt grey-to med green grey - fairly fract interbedded intervals of lapilli tuff/ash tuff/ crystal tuff.				
				STRUCTURES- - bedding c/a to core axis through out interval - fractures at high angle to C.A. @ 90° (dip - 30-80° dip)				
				LOST				
21.44	21.54			LOST				
39.42	39.52			LOST				

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04 Page 2 of 2

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
102.75	105.65	100	0.9	DACITE? DYKE - light green fine grained - weakly porphyritic
				- mild carbonate replacement of plag.
				- U.C. 50° to core axis (62° dip)
	103.9			1cm clear to milky quartz vein @ 20° to core axis (82° dip)
105.65	106.92	100	?	SILICIFIED, DACITE DYKE?
				- extremely fine grained light grey green mildly porphyritic rock.
				- pervasive silicification - associated with weak "brecciation" defined by hairline fractures & stockwork ~~blea~~ mildly bleached selvedge.
				- weak to moderate replacement of plag. by carbonate
				- fractures 10° & 45° to core axis - MnO on fractures.
				- weak brecciation - hairline fractures - mild bleaching to 3mm selvedge.
				- stronger shears exhibit 1-2mm bright green → sericite ± chlorite
106.92	113.35	100	0.9	RHYOLITE CRYSTAL TUFF - M. green-grey fairly monotonous interval of mildly altered tuff.
				- characteristic Aldgen crystals to 4.5mm - idiomorphic - in places has appearance of flow textures → glomeroporphyritic
				ALTERATION - weak silicification (& fluids) discontinuous - associated with fracture.
				- mild carbonatization of plag.
111.46	112.50			- intense silicification
				STRUCTURE - fractures at 10° & 45° to core axis (~vertical to 57° dip to S)
				- carbonate ± MnO along fractures to 1mm
				- veining (veinlets 1-2mm - 3 very rarely)

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
105.65	106.25	.60m	128376	- pervasive silicification - quart stockwork.	<2.0	0.59
106.25	106.92	.67m	128377	- as above. ~~3.0 cut~~	3.0	0.15

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 83-04 Page 3 of 8

	Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	SAMPLE REMARKS	Au ppb	Ag ppm
P	113.15	113.35	100	1.0	ALTERED RHYOLITE LAPILLI BEDDED TUFF/BRECCIATED - altered and qz flooded - ; lt to med green - imparted by alteration.			113.15	113.35	.20m	128378 ~~Au + Ag~~	- intense shearing - sericitization + chlorite qz flooding.	2.0	1.72
					ALTERATION - to 90-100% quartz flooding after sericitization - fragments to 1.5cm of sericite and flooded lapilli tuff. - strong sericitization of shear boundary - followed by qz veining - fine lenses "wisps" of manganese? parallel to shear boundary. - STRUCTURES - brecciation defined by grey to clear quartz veining to several mms and up to 30% of rock. - shear orientation : 40° to core axis. (72° dip) - L.C. N/A									
P	113.35	113.55	100	0	GOUGE - HW OF VEINING - rust-brown clay gouge to 80% of interval.	G		113.35	113.55	.20m	128379	- intense clay gouge : HW of veining - ~~Au + Ag~~ - 80% clay.	2.0	1.43
					- clay gouge ; 1-3% calcite as veinlets ? - rock fragments to 20% - altered argillized lapilli / xtal tuff - much MnO + minor carbonate and Fe Oxide. - no orientations (see above interval)									
P	113.55	114.25	100	0	ALTERED RHYOLITE LAPILLI TUFF - v. light grey to white argillized / sericitized tuff. - minor silicification and veining			113.55	114.25	.70m	128380 ~~Au + Ag~~	- qz-cc vning in altered (sil., argil.) tuff ; vning 5-10%	5.0	2.00
					ALTERATION - argillization - pervasive in groundmass and ash tuff fragments sericitization - ash frags [illegible] MnO - fractures + matrix [illegible] - silicification to [illegible] in vicinity [illegible] e.g. 114.05m :									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
				STRUCTURES - veining to 5-10% of interval									
				- med. grey to clear and milky quartz veins - milky material in places is late than grey qtz - in other places relationship is ambiguous									
				- veinlets as minor to moderate stockwork - dominant orientation not discernable - width to several mms as well as patches									
										~~106.0 T.C.~~			
					VNQC		114.25	114.60	.35m	128381	qz-cal vning - early grey qz followed	106.0	1.06
P 114.25	115.0	100	.4	VEIN QUARTZ - CALCITE ± GOUGE						128382	by milky, drusy qz + cc.		
				- veining to 70% of interval - weakly brecciated	VNBC		114.60	115.0	.40m	~~[illegible]~~	- as sample above; 8cm gouge	82.0	0.48
				- 8cm gouge 114.80-114.88m							114.80 - 114.88m		
				Quartz 50-60%									
				- grey to clear quartz closely intergrown - cockade textured mantling extensively altered rock fragments (up to 30% of interval)									
				CALCITE to clear fine grained sparry calcite									
				- late open space filling massive white calcite - intimately associated with dark brown to black amorphous material - most probably MnO (graphite a possibility?) - MnO? mantles large accumulations of carbonate and is intimately intermixed as specks and patches.									
				Gouge - light green gouge material - mixture clay/sericite - 40° to core axis (72° dip)									
P 115.0	122.90	100	0	INTENSELY ALTERED RHYOLITE LAPILLI TUFF ± QUARTZ VEINING			115.0	116.0	1.0m	128383	~~[illegible]~~	40.0	0.90
				- lapilli tuff as initial - interval - bedded but bedding not discernable in this interval			116.0	117.0	"	128384	~~[illegible]~~	2.0	0.59
				ALTERATION:			117.0	118.0	"	128385	~~[illegible]~~	2.0	0.80
				SILICIFICATION - in association with closely stockwork (see structures)			118.0	118.50	.50m	128386	~~[illegible]~~	2.0	0.55
				- results in completely silicified sections of core to a maximum of 10cm			118.50	119.18	.68m	128387	clay gouge to 75% of interval.	5.0	0.45
				- silicification after sericitization and after argillization (fault associated alteration) 40-70% quartz			119.18	119.30	1.12m	128388	50% qz vening, 50% clay gouge.	2.0	0.28
							119.30	120.30	1.0m	128389	veining to 5% - gouge 10%	3.0	0.52
							120.30	121.20	.90m	128390	silicification + minor gouge	3.0	0.56
							121.20	121.85	.65m	128391	strongly argillized + clay gouge to 60%	22.0	0.44
							121.85	122.80	.95m	128392	as above.	2.0	0.72
							122.80	122.90	.10m	128393	pervasive argillization	2.0	0.71
				ARGILLIZATION + SERICITIZATION - most prominent in ash tuff fragments - intensity of alteration extreme to very extreme assessed by the colouration of rock and by presence → it seems characteristic and to									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04 Page 5 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
				strong sericite/clay replacement; white (moss spots) stockwork network veinlets; complete replacement - 30 to 100% mixture									
				- dickite? waxy green clay-like material in fractures. <1%									
				- minor FeO, staining and coatings, also pockets of pyrite (relict pyrite?)									
				STRUCTURES									
118.50	119.18			CLAY GOUGE - 75% clay in gouge interval.									
				- rock fragments silicified and veined by clear drusy to cockade quartz to .5cm									
				- veining 5% of interval							} see sample entries on previous page.		
				- lower contact with veined interval									
119.18	119.38			- 50% QUARTZ VEINING: light green to milky quartz - intervals between low temperature chalcedonic texture and better developed banding to cockade quartz.	VNQ								
121.20	122.8			- gouge: strongly argillic? and gouged; highly broken							} see sample entries on previous page		
				ALTERATION (cont)									
				- pink very soft (clay-like) material to 10% locally (e.g. 122.2m)									
				- same material as logged in previous holes - Mn bearing??									
P 122.90	127.71	100	—	ALTERED RHYOLITE LAPILLI TUFF			122.90	123.90	1.0m	128394	- pervasive silicification and argillization	3.0	0.44
				- interval as previous principal interval with less veining and less intense			123.90	124.90	1.0m	128395	- as above + min quartz veining - steep @ 123.70 - .98m	2.0	0.27
				argillic alteration and gouge/clay.			124.90	125.90	"	128396	- silicification	2.0	0.53
							125.90	126.90	"	128397	- 2cm quartz vein @ 126.40m; otherwise as above.	2.0	0.47
							126.90	127.71	.81m	128398	- as above - no veining.	3.0	0.4
P 127.71	139.4	73	.06	ALTERED RHYOLITE ASH TUFF - light green-grey aphanitic fine grained			127.71	128.71	1.0m	128399		2.0	0.32
				- core highly broken (cf. RQD); evidence of several small shears →	VNQ		128.71	129.71	"	128400	- .2m lost	<2.0	0.30
				clay & rubbly core			129.71	130.75	1.04m	128401	- .3m lost	3.0	0.57
				- weak brecciation (actually close to min veinlets at 10-20/metre									
129.51	129.71			LOST									
130.45	130.75			LOST									
				* from about 135 to lower boundary of interval; mid-light									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04 Page 6 of 9

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
				ALTERATION
				- combined sericitization / argillization
				- clay alteration to 10%
				- sericite / clay alteration of ash tuff groundmass to ~20% of rock volume.
				- much mm a fractures / associated with pink clay-like mineral coating fractures to 3%
				STRUCTURES.
				- fractures (mm-cm scale) - 0° + 80° to core axis
				- mm a brecciation defined by grey to clear quartz veinlets with selvedge of gouge - like material & Fe specks on fractures.
				- in vicinity of these veinlets rock is intensely bleached to white - bleached envelopes to 1cm total width - veinlets to 1mm width - no dominant orientations for veinlets
133.25	133.32			gouge - brown clay / sericite / rock frags
				veinlets 50° to core axis (62° dip) - probably distorted attitude for the strongly sheared dip of the structure in this hole.
133.32	136.96			LOST
136.96	137.46			LOST
137.52	137.92			LOST
138.25	138.45			LOST
138.53	139.40			GOUGE/SHEAR - highly broken & sheared core - up to 30-40% clay gouge + sericite → i.e. the characteristics are very slightly wavy & subparallel sheared material (possible kaolinized clay is halloysite - dickite)
				- big rock fragments of ash tuff to lapilli tuff
				ALTERATION: sericite / clay (kaolinite - dickite) - light green discoloration on white weathered ash & partial groundmass - 40-50%
				3% light pink waxy clay-like mineral (see next page for more alteration notes)
				STRUCTURES - Upper contact not discernable - Lower contact 60° to core axis (dip = 32°)
				- calcite + hematite vein 1cm parallel to lower contact attitude

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
130.75	131.75	1.0m	128402	Au, Ag, Mn geochem; qz + jasper veinlets	<2.0	0.31
131.75	132.75	"	128403	- as above Au, Ag & Mn	2.0	0.39
132.75	133.25	.50m	128404	- as above not Mn analysis	2.0	0.46
133.25	134.0	.75m	128405	- as above .4m lost	2.0	0.42
138.53	139.40	.87m	128406	0.4m LOST; gouge, intense argillic & sericitic alteration; qz veinlets - milky to grey	<2.0	0.47

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 8804 Page 7 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
				ALTERATION CONTINUED:
				- 3-5% of 2 to 4 mm pods dravite - possibly relict pyrite? - in places appears to have been sub to subedral precursor mineral
				- MnO to 1-2% along fractures as dendrites & irregular veinlets & wisps/patches - typically associated with the pink clay-like material as in other holes.
139.40	141.70	100.	.2	ALTERED RHYOLITE (WELDED) LAPILLI TUFF:
				- light green to gray weakly argillized/quartz flooded lapilli tuff.
				- weakly welded.
				ALTERATION: entire flooding is irregular in patches - seemingly unrelated to any veinlet development
				- sericitization preceded quartz flooding; groundmass pervasively ??
				- patch of red brown - jasper? to 3%, rifles in patches and subtle to subedral crystals - chloritized.
140.13	141.73			LOST.
				STRUCTURES
				- weak welding orientation: 60° to core axis (220° dip)
				- calcite veins to 1 cm in width - white to grey with minor Fe oxide staining; attitude: 30-35° to core axis (71-82° dip); frequency of calcite veins <1 per metre; this attitude for calcite veins persists to dyke interval 1 below
				- upper contact is sharp described in last interval (dip 320)
141.62	[illegible]			- lower contact is sharp - 5 cm of red brown clay gouge to green
				- micro fracture brecciation <1 cm wide, cemented by calcite ± silica; core these fractures most prominent in last 1m of interval

Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
140.81	141.70	.89m	128407	- lower portion of interval / veinlet gouge adjacent to dacite dyke.	<20	0.6

206L, 500C, 500D, 500D, 500D, 500D, 206

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04 Page 8 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
p 141.70	153.70	100	0.40	DACITE DYKE - fairly non-descript pale grey fine grained biotite hbl(?) locally amygdaloidal and calcite veined							
				ALTERATION - pervasive mild carbonatization of groundmass - calcite amygdules 1% 2% of interval - in order of 2-5mm							
				STRUCTURES - fractures at 10°, 45°, 60° primarily 90° to core axis - numerous healing fracs. - calcite veining - attitudes as above - frequency 6 per metre range from 1cm to 15mm width. Occasional orientations ~~60° CA~~ but identical mineralogy - white to rusty spacing 45° CA calcite. - MnO on fracture or alteration - rubiginous <1%							
					143.56	144.10	.54m	128403	- interval of <5% calcite veining in dacite dyke	2.0	0.03
p 153.90	156.0	100	0.35	RHYOLITE LAPILLI WELDED TUFF - dark grey - purple welded tuff - lower unit - characteristic foliation lapilli & shard welding -							
END OF HOLE											
				ALTERATION - 153.90 - 156.0 - intense sericitization (argillic alt) irregular stain - sericite/clay veins to pervasive with stain - scaly - ~~at~~ groups completely replaced							
153.90	156.0			- highly bleached & altered - alteration ~~not~~ intense between 154.90 & 155.55.	154.85	155.95	1.1m	128405	- altered rhyolite lapilli welded tuff	14.0	0.15
				STRUCTURES: fractures irregular but predominantly at high angles to C.A. → 75-85° also 45° to C.A. (55° dip, 35° dip ±) - numerous healing fractures in altered stone - irregular carbonate veinlets appear to be random veinlets to 3% of interval each. & veining 80-85° to C.A. - (Bed = 42-41°)							

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-05 — Page 1 of 1

Property SAID-TAE	NTS 105 D/6	Claim SAID 9	Elevation 2103.4m	Azimuth 353°	Length 39.62	Dip -84° ABANDONED
Coordinates L/+985 0+76E	Dip Tests N/A	Advance 4.14	Depth 39.40m	Date Collared AUG. 08, 1988	Date Completed AUG 10/88	
Purposes TEST MAIN FAR SW ZONE STRUCTURE : HOLE ABANDONED - down hole problem	Drilled by CARON	Assays by NONE	Logged by DJM			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
0.	2.1	0	—	OVERBURDEN					
2.1	39.62	100		- INTERBEDDED ASH/CRYSTAL/LAPILLI RHYOLITE TUFF.					- no samples.

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-06 Page 1 of 1

Property SAID-TIE	NTS 105D/6	Claim KUKU 95	Elevation 2103.4m	Azimuth —	Length 6.1m	Dip -90°
Coordinates L/+985 0+76E	Dip Tests N/A	Advance 0m	Depth 6.1m	Date Collared Aug. 10, 1988	Date Completed ABANDONED Aug 11, 1988	
Purposes TEST MAIN FAR SW ZONE STRUCTURE - HOLE ABANDONED → NOT ON RTA GROUND.	Drilled by CARON	Assays by NONE	Logged by PJM			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	
0	2.8	0	—	OVERBURDEN					
2.8	6.1			INTERBEDDED RHYOLITE LAPILLI (± ASH/CRYSTAL) TUFF					- no samples

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-07 — Page 1 of 2

Property SAID - THE	NTS 105 D/6	Claim SAID 8	Elevation 2103.4m	Azimuth 358°	Length 138.10 m	Dip -82°
Coordinates 11+98S 0+76E	Dip Tests N/A	Advance 19.22m	Depth 136.76m	Date Collared AUG 11, 1988	Date Completed ABANDONED Aug 20/88	
Purposes TEST MAIN FARSHORE ZONE STRUCTURE : HOLE ABANDONED AFTER DEVIATION TO BE IN ZONE	Drilled by CARON	Assays by BARRINGER-MAGENTA	Logged by PJM			

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Cu Pb Zn As Sb ~~8 20 36~~	Au ppb	Ag ppm
0	1.72	0	0	CASING					~~8 20 36~~ 6.0 <1.0		
1.72	100.35	100	.88	RHYOLITIC ASH/CRYSTAL/LAPILLI REDEPOSITED ~~WELDED~~ TUFF							
				- irregular interbedded interval of v. fine grained light grey ash tuff - med grey to light grey ash tuff & coarse lithic (ie. ash to lapilli in composition) lapilli tuff							
				- bedding by way of alteration:							
				- dom. ash tuff/lapilli couplets as flow banded rhyolite & rhyolite ash tuff - grey to dk grey - avg thk 4.6cm avg range 1cm → 3cm							
				STRUCTURES: bedding noted @ 85° to C.A = dip 23° - defined by flattened ash fragments in lapilli & pinches in ash tuff intervals							
	42.10			ALTERATION: occasional intense bleaching & sericite alteration ~~kaolin~~ - bleaching & sericitization - green coloration.							
100.05	102.76	100	0.92	SILICIFIED ~~DACITE~~ ANDESITE FLOW? - strongly porphyritic, v. fine grained groundmass - grey-green							
				- strong glomeroporphyritic texture defined by phenocrysts - 10 trachytic texture							
				- very hard.	128428	100.05	101.05	1.0m	5, 14, 102, 1, <1.0 - grey ~~<1%~~ chalcopyrite	4.0	0.08
				- grades into dk grey to light grey phase - with more glomeroporphyritic texture	128429	101.05	102.05	"	5, 17, 76, 1, <1.0 - grey <1% chalcopyrite	3.0	0.10
				dk grey phase → typical glomeroporphyritic andesite - phenocrysts (clusters) in appearance with plag - to 25% of rock	128430	102.05	102.76	.71m	"	2.0	0.70
				- plag to 15% - subhedral laths, glomeroporphyritic texture 2 - 4mm - possible py - cpy - disseminations in matrix <1%					4, 5, 76, <1, <1.		
				STRUCTURE: ~~core~~ contact 75° to core axis							
				- minor fracture at low to mod angle to core axis 10-40° ~~with~~ pyrite <1%							
				- 30cm core margin is slightly sericitized							
				- lower contact still ~~with~~ rhyolitic tuff & ~~core~~ at 85° to core axis							

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07

	Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
R	107.35	109.22	100	0.55	ANDESITE (DACITE?) DYKE - light to med. green fine grained andesite (no qtz eyes) dyke. - weakly amygdaloidal ALTERATION: weak carbonatization → calcite amygdules and calcite replaced plag in groundmass. - alteration of total contact characterized by sericite (shearing appearance) and minor controllable calcite veinlets + bright green alteration → epidote - prophyllite? STRUCTURES: characteristic calcite veinlet 1 3mm oriented at 40° and 0-60° to core axis (68 ½ and 82°N and 72°N dips) - upper contact 80° → 85° to core axis - over a 30cm interval alteration fronts defined at either end i.e. 107.05 to 107.35 - alteration - lower contact sharply defined @ 45° to C.A. - marked solely by 3mm calcite veinlet.
P	109.22	111.40	100	0.92	RHYOLITE CRYSTAL TUFF? - silicified? light to medium green - grained moderately porphyritic tuff? - trough call: possibly a flow plus? - not entirely sure it's a tuff - plag + everything else crystally replaced by silica. - pyrite & calcite/dolomite veinlets with sericite (HBL) < 1%? STRUCTURES - upper contact - see note from above interval lower contact with dyke not sharp but very irregular - fracture + rare epidote? veinlets at 45° to C.A (horz dips).

Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Au ppb	Ag ppm
109.22	110.32	1.1m	128431	9	8	89	<1	<1		
				silicified; <1% py?					2.0	0.15
110.32	111.40	1.08m	128432	"					2.0	0.14
				7	10	107	<1	<1		

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07 Page 3 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
P 111.40	111.86	100	0.65	ANDESITE DIKE - med. green, fine grained weakly porphyritic. xtal tuff?
				ALTERATION: - minor carbonate replacement presumably of plags in groundmass. - hypabiss? and mylonit plag. phens to calcite.
				STRUCTURES - flow banding? or bedding? oriented @ 60° to C.A. - L.C. sharp and altered? oriented @ ~65° to C.A. - minor calcite veinlets low angle to C.A 0°-10° -
P 111.86	117.40	100	0.68	RHYOLITE CRYSTAL (+LAPILLI) ✓ BEDDED TUFF - med. grey-green silicified tuffy - grandiorite frags in the bedded tuffs? - to 1cm. ~10-15%. ALTERATION: pervasive intense silicification - not clear where rhyolite crystal tuff and intrusive phase begins - very hard rock. - very min calcite replacement of mafic mineral cryst. & plag. STRUCTURES: calcite veinlets 1mm to 2 mm widths oriented at low angle to C.A. 0-20° (dip 60°-90°) - fractures at 80° & 45° to C.A. L.C - sharp but somewhat irregular - at ~85° to C.A. (23° dip) defined by fine black (ash?) layer, bedded layers at 23? → weakly glomeroporphyritic U.C - see note with above unit

Interval From	Interval To	Core Width	Sample No.

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
P 117.40	121.20	100	0.72	RHYOLITE CRYSTAL/LAPILLI DENSELY WELDED TUFF: dark grey to purple-black very dense, hard tuff.									
				- pyroclasts avg. 1cm - range <1mm to 3.5cm									
				- characteristic clasts (potash?) 5-10% to 30%.									
				ALTERATION: either extremely silica rich or quartz flooded.									
				STRUCTURE:									
				- bedding defined by welded ash fragments (lenses) orientation 75° to C.A. = 33° dip.									
				- minor discontinuous stems - sericitized.									
				Fractures - 10°, 80° to core axis									
P 121.20	124.65	100	0.81	ALTERED RHYOLITE CRYSTAL/LAPILLI DENSELY WELDED TUFF			121.20	121.62	.40m	128410	- silicification	4.0	0.72
				- light green - weakly to moderately brecciated			121.62	122.62	1.0m	128411	"	3.0	0.02
				- intervals above but altered			122.62	123.40	.78m	128412	"	3.0	0.02
				ALTERATION: pervasive intense silicification - to 80% typically		QVN	123.40	123.90	0.50m	128413	- 5-10% grey milky qz veining & silicification	56.0	0.45
				by sericitization of ash fragments - imparts light grey green colour.		QVN	123.90	124.65	.75m	128414	- as above; 3% veining	3.0	0.39
				c.f. 5-10% minute bipyramidal quartz phenocrysts, weak foliation, weak fracture stockwork/brecciation.									
				STRUCTURE: weak brecciation defined by v. min stem/veinlets of chlorite, sericite, fine grained pinkish grey quartz									
				- fractures: 80-90° to C.A. & 30° to 45° to C.A.									
				- most prominent veining: Interval 123.20 to 123.75 m - grey quartz veinlets to 5mm @ 75° to C.A. (125°) to core axis									

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07 Page 5 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
P 124.65	125.27	100	0	CLAY GOUGE - up to 70% strong clay gouge; 30% strongly altered rock fragments → dk/olate lapilli/crystal tuff (welded?) - light green to grey to brown locally - clay/sericite mixture - 60% sericite clay mixture - 10% pure clay - hard to finely laminated hygroscopic - light clay colour Rock frags: 30% - ad tuff/crystal tuff - pervasive sericitic alteration - brown red spots & patches - gypsum - about 1% pyrite remains - altered from pristine strongly welded tuff. STRUCTURE: upper contact - strips 75° to core axis = 33° dip L.C. - distinct but not measurable - light to medium grey & white to form total ~ 2% of interval - only ~~was~~ observable is altered rock frags: orientation not measurable - 1-2% calcite as patches and veinlets??	G		124.65	125.27	.62m	128415	- intense clay gouge alteration	2.0	0.3
P 125.27	125.80	100	0	CALCITE VEIN/BRECCIA/GOUGE - 60% of interval is calcite vein material - with 20% rock fragments and 20% mixture clay/sericite gouge material - vein: white to buff/minor to wide staining massive calcite - occassional sparry calcite 3 to 5% - sericite/clay - light green intermixed with carbonate vein material STRUCTURES: upper contact sharp but not measurable (see note in interval above) - lower contact gradational to strongly altered dk/olate welded tuff + gouge.	CVN	G	125.27	125.80	.53m	128416	60% calcite veinz + clay gouge	4.0	0.12

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Au ppb	Ag ppm
125.80	133.20	100	0	ALTERED (GOUGE/VEINED) RHYOLITE CRYSTAL LAPILLI TUFF			125.80	126.60		128417						3.0	0.12
				- light to med grey and green intensely altered and broken tuff.													
				- locally fe oxid stain; usually associated with clay gouge < 1%.													
				- ALTERATION: carbonate rock flooding or sericitized followed by silicification.													
				- silicification is highly irregular and alternates with zones of intense fault gouge and clay alteration.													
				- rare core intervals of quartz veining.													
				- silica bleaching, especially of ash tuff fragments.													
				- med clay/sl-clay-like substance clay fractures to 2mm width.													
				GENERAL STRUCTURES:													
				- brecciation: defined by micro fracture filled variably with white clay, gouge, pink clay like material.													
				- intense clay and gouge are for most of the interval.													
				- for specific structure intervals see entries below:													
126.60	127.25			CLAY GOUGE: 55% clay gouge as in interval 125.27 to 125.80m	G		126.60	127.25	.65m	128418	- clay gouge to 55%					2.0	0.38
							127.25	127.90	.70m	128419	- altered rhyolite welded tuff					3.0	0.62
127.90	128.41			- QUARTZ VEINING TO 15%	QVN		127.90	128.40	.50m	128420	8, 20, 36, 6, <1 - 15% quartz veining.					4.0	1.20
				- 15% quartz veining, altered rhyolite welded tuff			128.40	129.40	1.0m	128421	5, 15, 51, 12, <1 - altered rhyolite welded tuff					<2.0	1.25
							129.40	130.40	"	128422	9, 33, 5 12% pink clay. as above					3.0	0.88
				VEINING - grey to milky, cockade, drusy veins to 2cm in width. Fe oxid stain clay alt boundaries - quartz at low a/c to C.A 0-20° (92° to tuff at 88° dip → N.B. not considered indicative of major structure)			130.40	131.50	1.1m	128423	as above. 9, 16, 65, 4, <1					2.0	1.00
				- local pink tint to veining - inclusions of pink clay like material in veining?													
131.50	131.75			CLAY GOUGE - 70% clay/sericite gouge - med carbonate - calcite vein material in white to buff (local cut by) to 15% - 30% altered rock fragments	G		131.50	131.75	.25m	128424	- 4, 25, 50, 4, <1					3.0	0.41
				- ac. 50° to core axis (58° l.a.) → probably close to main structural plane - LC. 40° to C.A (dip = 68° - mod dip to the													

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07 Page 7 of 8

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Au ppb	Ag ppm
				- spotted patches to 5% of dark grey-black - to centimetre (iron Ti appears to be relict biotite) suggest graphite & chlorite relicts after possibly fine grained dacite clasts. - possibly MnO												
							131.35	131.80	1.05m	128425						2.0	0.53
											- altered rhyolite welded tuff ± gouge material 5, 11, 62, 2, <1.0						
R 132.80	133.20			GOUGE - 50% gouge material & 50% altered rhyolite welded tuff	G		132.80	133.20	.40m	128426	- 50% gouge material 7, 21, 66, 2, <1.0					2.0	0.45
				gouge: mixture of clay (kaolinite/chlorite) and sericite, ile. - 20% quartz & sericite intense sericite altered material 30% - such fragments are pervasively sericitized rock by argillic alteration - - less pronounced silicification than in more competent intervals → rotted													
				- 5% clay-like pink material - but little to none MnO on fractures.													
P 133.20	133.35	100	0	QUARTZ VEIN - 70% red grey pink to clear vein material - mostly sericitic to 30% altered rock fragments - red grey quartz is intergrown intimately with sericitized fine textured vein material - veins 15% - display euhedral quartz termination - 1mm	QVN		133.20	133.35	.15m	128427	- 70% veining - red. grey - & altered rock frags 12, 19, 27, 4, <1.0					13.0	1.04
				- such fragments are strongly altered (sericite/argillic) ash tuff or brecciated ash tuff & welded tuff													
				- upper and lower contacts are ~~flat~~ sharp but not measurable.													

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-07 Page 2 of 2

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.			
133.35	138.15	17.7	0	ALTERED RHYOLITE WELL/LAMELLY WELDED TUFF ?									
				- recovery from this print is incorrect - lots of core and lost core.									
				- reduced to BQ @ 133.35									
				- no veining in rubble - what is a poor showing for core									
	138.15			END OF HOLE.									

AURUM GEOLOGICAL CONSULTANTS INC. — **DIAMOND DRILL LOG** — HOLE No. 88-08 — Page 1 of 6

Property	NTS	Claim	Elevation	Azimuth	Length	Dip
SAID-THE	105 D/16	THE 17	2051.5 m	325°	238.05 m	-81°

Coordinates	Dip Tests	Advance	Depth	Date Collared	Date Completed
UTM GRID	-78° at E.O.H.	37.24m	235.12m	AUGUST 21, 1988	Aug 28/88

Purposes: TEST AT DEPTH MAIN NE ZONE STRUCTURE — Drilled by: CHIBAN D.D. — Assays by: BARRINGER-MAGENTA — Logged by: PJM

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
0.0	1.80	0	—	CASING				
				~~massive~~ ~~fault~~ - silicified				
P 1.80	45.82	100	0.51	2: dark grey-purple vitreous ~~accessorily~~ densely welded tuff				
				- moderately hard (siliceous quartz flooded) densely welded ~~tuff~~				
				- rare carbonate veinlets of play pleochroic.				
				- have spots ?? - may fractures or veining with a two dimensional fenestral appearance.				
				STRUCTURES:				
				dominant fracture orientation: 45°+60°, 30° to core axis				
				- veinlets of quartz & carbonate: frequency 1 per metre.				
				width averages 1-2mm				
				- carbonate: buff to iron stained - calcite - minor				
				- quartz: milky grey to clear.				
				- rarely, local gypsum veinlets.				
				- welding: is not prominent but there is definitely the closely packed lithic lapilli tuff				
P 45.82	61.15	100	0.46	ALTERED: RHYOLITE CRYSTAL/LITHIC LAPILLI WELDED TUFF - locally weakly brecciated				
				- milky grey to buff-green mottled and patchy stained, well indurated tuff -				
				- typically 5-10% ash tuff matrix				
				ALTERATION: - pervasive fine grained silicification and/or ash tuff matrix - weak to moderate patchy chloritization of buff-green				
				- moderately calcareous 5-10%				
				- pervasive weak hematite staining				

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-03 Page 2 of __

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.
				gg floodi.						
				- local 0.1-5cm subhedral bodies (relict volc ometh?) now "rotted" with destructive ox/brown ms^{ph}(FeO) pervasive alteration.						
				STRUCTURES:						
				- dominant structure = bedding defined by welded ash fragments @ 45° to core axis (dip = 64°)						
57.65	59.80			- alteration bad → sericite-chlorite stone to 70% of rock followed by gg flood; is						
				- weak to locally moderate brecciation: defined by numerous small (avg. <1") <1cm fractures outlined by a mixture of sericite/chlorite? in fracture.						
				- in the more brecciation appears as up to centimetre silicified ash tuff fragments in a matrix of pervasively fine grained grey-light green sericite - quite brecciated ash tuff?						
				- dominant fracture orientations: (N.B. not the microfractures noted above) 45°, 30° to core axis (dips: 68° → 64°)						
				- isolated strongly sericitized/silicified clasts to <10cm eg. 51.7m to 51.82m - clay to 60% sericite 20%? - minor lithic fragments		G				
				- clay is highly hygroscopic buff white to pistachio green - suggest kaolinite (kaolinite group, at least?)						
52.70	54.00			- bedding more precisely defined in ash lenses @ 52.70 → 54.00m 30° to C.A. = dip 78°						
				- brecciation attenuated						
	56?			- 10cm interval of white lithic crystal tuff: rock frags to 8mm in fine grained kaolinitized groundmass. 3cm band of strongly silicified sericitized tuff → alteration front.						
				LS - alteration as following interval.						

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-09 Page 3 of 6

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppb	Au ppb	Ag ppm
P. 61.15	[illegible]	100	1.75	GRANODIORITE (ALTERED) - grey to grey-green medium grained equigranular (locally) slightly to moderately altered granite-granodiorite.											
				- quartz to 40%											
				- feldspar 30-35%											
				- mafics - as chlorite - hornblende - biotite ? - 15%					20% chloritized mafics						
									25-30% feldspar						
									35% quartz						
									15% →						
				ALTERATION:											
				- silicification - pervasive to 20-30% - of modal volume - estimate based on flooding of plag. and K-spar - developed moderately											
				- sericitization - to 5-7% - intimately associated with mafics into and patches to weak to intense, and veinlets up to several mm's in width											
				- chloritization ± carbonatization											
				- pervasive alteration of mafics											
				- near upper contact 10cm of argillic bleaching - mafics to locally altered & locally oxidized veinlets (some veinlets that are sericite filled have gone on to be argillic)											
				STRUCTURES:											
				upper contact: 60° to core axis (dip = 49°) - oxidized by 3cm altered alteration - clay/sericite pervasive - to 90% - gradational argillic alteration, bleaching to 61.30m											
				- sericite ± epidote filling irregularly walled fractures @ 65° to core axes - veinlets are 2-3 mm in width ~ 6-10 per metre											
61.95	71.15			- pervasive epidote alteration - related to a seam ? - ur. 90° to C.A.											
[illegible]	93.40			ANDESITE DYKE - originally dark altered margin to host granodiorite. - upper contact sharp at high angle - brecciated - 20-30% quartz followed by [illegible] to...											
161.70	162.05			Quartz veining - pale grey coarse quartz to 50% of interval	161.70	162.05	.35m	129433	18, 8, 105, <1, <1 - [illegible]					2.0	0.21
162.70	[illegible]			- [illegible]	162.70	163.05	.35m	129434	- [illegible]					3.0	0.26
									7, 9, 96, <1, <1						

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 83-05 Page 4 of —

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.		Au ppb	Ag ppm
				fractures: 45-55° to core axis, 90-80° to core axis									
163.71	175.6	100	1.2	ALTERED/FRACTURED/JOINTED CONGLOMERATE:									
				- granite to granodiorite rock as above interval.									
				- altered core (clay) with attached gouge clay/pyrite lobs;									
				limonite to 10% as well as gelling alteration.									
				ALTERATION:									
				- silicification									
				+ gelligenite									
				STRUCTURES							4, 5, 70, 2, <1		
164.27	164.55			gouge: pervasive gouge; 10% altered vein material, 15% red fragments		G	164.27	164.55	1.28m	128435	gouge + calcite, qz, pyrite	2.0	10.20
				in clay + granitic gouge - white to light green in colour			164.55	165.55	1.0m	128436	altered + gouge 5, 11, 8, 87, 4, <1	3.0	6.60
				45-50° to C.A. + 10% pyrite veined alteration to several ± pyrite			165.55	166.55	1.0m	128437	" 7, 11, 84, 12, <1	5.0	0.20
				± quartz.			166.55	167.55	"	128438	" 3, 10, 76, 16, <1	<2.0	0.66
				- fracture orientation: 1) gouge at 80-85° & 45° to C.A. (20°, 65° dip)			167.55	168.55	"	128439	" 4, 9, 61, <1, <1	<2.0	0.32
				2) - calcite vein & altered as noted above.			168.55	169.55	"	128440	" 3, 6, 58, 10, <1	2.0	0.35
171.05	171.62			Generally 3.0% of altered - red, grey rounded angular veined			169.55	170.50	.95m	128441	" < 1, 12, 8, 73, 8, <1	2.0	0.40
				& fine angular C.A.			170.50	171.05	.55m	128442	altered 8, 7, 126, 8, <1	<2.0	0.27
							171.05	171.62	.57m	128443	grey veined 4, 4, 108, 6, <1	<2.0	0.23
							171.62	172.20	.58m	128444	- altered 4, 5, 87, 4, <1	2.0	0.27
172.20	173.30			Gouge: 50% gouge ± 5-10% calcite veining at 45° & C.A.			172.20	173.30	1.1m	128445	- altered + gelligenite gouge 5, 9, 84, 9, <1	<2.0	0.22
							173.30	173.95	.65m	128446	- altered 6, 10, 86, 8, <1	3.0	0.20
							173.95	174.10	.15m	128447	- gouge 4, 4, 72, 5, <1	2.0	0.11
173.95	174.10			- pink clay-like material to 10% alt. fractures			174.10	175.10	1.0m	128448	-altered 13, 6, 65, 9, <1	2.0	0.13
				- 1cm calcite gouge at 45° C.A. (dip: 70°)			175.10	175.60	.50m	128449	altered 5, 7, 79, 2, <1	2.0	0.12

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-08 Page 5 of 12

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION			Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Au ppb	Ag ppm
177.55	[illegible]			Altered gouge ± 90°. Lithic plastic clay - buff. Sharp lower contact planar - oriented 90° to C.A. Fault zone orientation 45-50° (dip - 60-65°)			177.55	177.80	.25m	128450	- fault gouge. 15, 33, 116, 28, <1					8.0	4.46
178.5	220.0	100	0.70	GRANODIORITE: - as above with net 1% quartz veinlets. Fracture 45-50° to C.A. - minor calcite veining 1% 1-5cm wide <1 parallel. - non visible gold in gouge (see assay below)													
215.20	220.0			- altered granodiorite: carbonatization of feldspars to 10%. - small <1mm to .5mm calcite veinlets oriented 40° to C.A. - patchy carbonate replacement of feldspars. - grades to core argillic alteration towards gouged and dry fractured core @ 220.0m. - quartz veining and floods 1 to 20-25%. - green-grey mottled appearance not - chloritic/sericitic alteration of mafic/felsic minerals?			215.20	216.00	.80m	128451	6, 6, 90, 2, <1 - carbonatization ± qtz flooding 13, 4, 60, 11, 1, 32 ppm	3.0	0.1
							216.00	217.00	1.0m	128452		4.0	0.2
							217.00	218.00	1.0m	128453	" 5, 6, 100, 6, <1	4.0	0.2
220.00	228.85	92	0.4	ALTERED (GOUGED) VEINED GRANODIORITE.			220.00	220.56	.56m	128454	- altered 10, 8, 67, 14, <1	2.0	0.5
					G		220.56	221.00	.44m	128455	- gouge to 8% 16, 62, 7, <1	4.0	0.41
220.56	221.0			HW gouge to veined altered; 10% gouge to milky silicified qz veining			221.00	222.25	1.25m	128456	- qtz veining 4, 11, 44, 4, <1	3.0	2.07 (.7m LOST)
221.3	222.00			LOST.			222.25	223.00	.75m	128457	- altered ± gouge 5-20% - 35% qtz veining 5, 10, 34, 4, <1	3.0	1.15
221.0	222.25			- veined granodiorite			223.00	223.70	.70m	128458	- as above 4, 8, 32, 4, <1	2.0	1.58
				- L.C. pure clay gouge: buff to rust; oriented 80° to C.A. (dip = 70°)			223.70	224.55	.85m	128459	- as above 5, 9, 36, 2, <1	2.0	0.47
							224.55	225.55	1.0m	128460	- as above 12, 5, 33, 1, <1	2.0	0.29
							225.55	226.30	.75m	128461	- as above 13, 9, 40, 2, <1	2.0	0.18

AURUM GEOLOGICAL CONSULTANTS INC. DIAMOND DRILL LOG HOLE No. 88-04/88-05 Page 6 of 6

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION
				- weak to moderate brecciation hyfrac'd by qz flooding throughout interval.
				- < 1% fine stringers of qtz
228.75	229.05			- bottom of gouged/altered interval marked by 60% clay gouge. orientation ~ 50° to C.A (61° dips)
	238.05			END OF HOLE

Interval From	Interval To	Core Width	Sample No.	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Au ppb	Ag ppm
226.30	227.10	.80m	128462	6, 8, 43, 4, 21					3.0	0.34
				- altered grey volcanics + qz floods, weak silicification of feld. - fine clay gouge at both 2cm of interval.						
227.10	228.00	.90m	128463	8, 7, 50, 4.0, <1 - altered grey volcanics					4.0	0.18
228.00	228.75	.75m	128464	9, 6, 42, 4, <1					3.0	0.53
228.75	229.85	1.1m	128465	- gouge to 60% altered rock frags. 13, 14, 35, 2.0, <1					~~3.0~~ 2.0	~~0.53~~ 0.38

APPENDIX C

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 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 15th day of December 1988.

Thomas Garagan, B.Sc.,FGAC

APPENDIX D

STATEMENT OF COSTS

STATEMENT OF COSTS WAT 1-27 CLAIMS

A. Geology and Geochemistry

1. Labour: Aurum Geological Personnel

T. Garagan: project supervision, geological mapping, expediting;
August 11, August 12(1/2), August 28, 1988
2.5 days @ $250/day $ 650.00

J. Wegenast: project supervision, geological mapping, geochemical sampling; June 12,15,16,17, July 3,6, 1988
6 days @ $240/day $ 1,440.00

P. Maheux: project supervision, geochemical sampling;
July 6,7, 1988
2 days @ $220/day $ 440.00

D. Paul: geological mapping, geochemical sampling;
July 6,14,16-19,21,23-31, August 1,8,9,16,18,21(1/2),1988
21.5 days @ $220/day $ 4,730.00

C. Hood: geological mapping, geochemical sampling;
July 2,6-8,11,12,14,16-20,25,27-28,30, August 14,20, 1988
18 days @ $160/day $ 2,880.00

R. Young: geochemical sampling, prospecting;
July 2,3,7-12,17,19,20, 1988
11 days @ $160/day $ 1,760.00

J. Hunt: geochemical sampling;
August 8, 1988
1 day @ $160/day $ 160.00

M. Schaffler: geochemical sampling;
July 2,3,7-12,18-20, 1988
11 days @ $120/day $ 1,320.00

Total Labour Costs, Geology &
Geochemical Sampling $ 13,355.00

2. Helicopter:

Bell 206 on charter from Heli-dyamics Ltd. Helicopter Charter Services of Whitehorse. Based in Whitehorse June 8-July 4 and August 23-28; based in camp, Wheaton River District July 5-August 22;
17.5 hours @ $571/hr(includes fuel and oil): $ 9,992.50

Total Helicopter Costs $ 9,992.50

3. Geochemistry:

Analyzed by Barringer-Magenta Lab (Alberta) Ltd. of Calgary, Alberta.

907 soil sample preparations @ $1.00/sample	$ 907.00
97 rock sample preparations @ $3.75 each	$ 363.75
1004 Au,Ag analyses FA/AA @ $8.50/sample	$ 8,534.00
Total Geochemical costs	$ 9,804.75

4. Camp Costs:

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

73 mandays @ $30/manday	$ 2,190.00

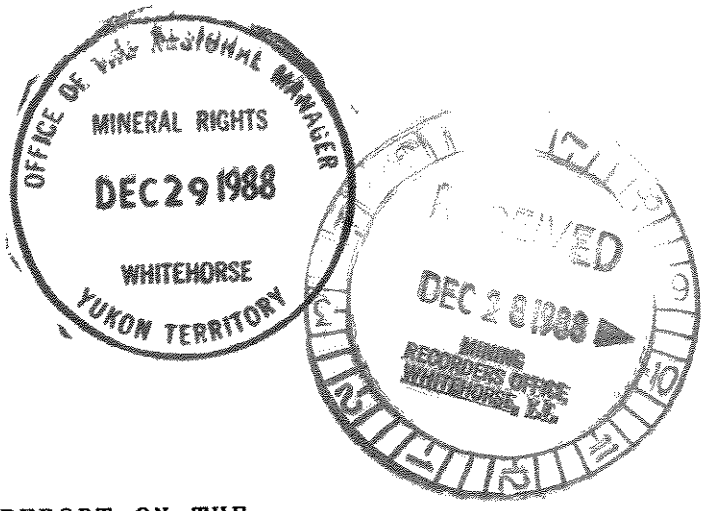
5. Field Supplies:

Sample bags, flagging tape,maps etc. approximately	$ 800.00
Total Costs Geology and Geochemistry	**$ 36,142.25**

B. Line Cutting (Gridding):

Total 48 line kilometers, contacted to M.J.Moreau Enterprises Ltd. Box 5282, Whitehorse, Y.T.
$ 80.65/line kilometer

Total Line Cutting Costs	$ 3,871.00
Total Actual Costs for Assessment	**$ 40,013.25**
Total Actual Costs Filed for Assessment	**$ 13,500.00**



REPORT ON THE 1988 EXPLORATION ACTIVITIES on the SAID-THE-WAT CLAIMS

Part B
Figures

09 2.e 2.8

FIGURE 2B

LOCATORS SKETCH OF

PLUS 101 to 111 CLAIMS and PLUS 10F to 65F FRACTIONAL CLAIMS

WHITEHORSE MINING DISTRICT

QUAD 105 D/6

SCALE 1 : 10,000

500 250 0 250 500 1000 metres

LOCATED BY : B.D. MACLEAN

B.D. MacLean AUGUST 13th to 18th, 1968

UNDERHILL & UNDERHILL
ENGINEERS & SURVEYORS
WHITEHORSE, YUKON
VANCOUVER, B.C.

365

171 - 25 A

365

approximate claim group perimeter

WAT CLAIMS

SAID CLAIMS

PLUS CLAIMS

THE CLAIMS

limit of geological mapping

WAT GRID

NORTHEAST ZONE

CENTRAL ZONE

CENTRAL GRID

SOUTHWEST ZONE

FAR SW ZONE GRID

FAR SW ZONE

GLACIER ZONE GRID

GLACIER ZONE

CREEK VEIN

Main Structure

Wolverine Circue

Summit Creek

LAKE

60°15'

135°25'

CREEK VEIN

50m 0 50m

METRES

LEGEND

LITHOLOGIES

TERTIARY

7	rhyolite porphyry to alaskite*
6	rhyolite, dacite dykes maybe related to unit 7
5	andesite dykes
4	andesite flows, tuffs, dacite flows
3	dacite & rhyolite tuffs, bedded ash & lapilli tuffs, clast dominated ash flows, epiclastic sediments
2	rhyolitic lithic lapilli tuff, welded tuff

JURASSIC to CRETACEOUS

1	granodiorite, diorite, quartz monzonite, la-fine grained diorite dyke

*unit 7 contact modified after Kerr Addison, 1986

SYMBOLS

- geological contact (defined, approximate, assumed)
- fault
- bedding, vein, dyke (inclined)
- jointing (inclined)
- quartz vein float outside main structure
- limit of geological mapping
- access tote road
- claim boundary
- bleached clay rich soil
- elevation contour 10m interval
- lake, creek
- 1987 rock sample-float, sample number/ Au in ppb, Ag in ppm
- 1987 rock sample-outcrop, sample number/ Au in ppb, Ag in ppm
- 1988 rock sample-float, sample number/ Au (ppb), Ag(ppm), As(ppm), Sb(ppm), Cu(ppm), Pb(ppm), Zn (ppm) unless otherwise indicated
- 1988 rock sample-outcrop, sample number/ Au (ppb), Ag (ppm), As(ppm), Sb(ppm), Cu(ppm), Pb(ppm), Zn(ppm) unless otherwise indicated
- 1986 rock sample-float
- UTM coordinates

ABBREVIATIONS

VNQC - quartz-calcite vein material
VNQ - quartz vein material
po - pyrrhotite
py - pyrite
fl - fluorite
mag - magnetite

NOTE: - SAID, THE, WAT & PLUS internal fractions included in the claim boundary, surveyed by Underhill & Underhill of Whitehorse, September 1988.
- However claim boundary relative to this topography map is approximate.

100m 0 100 200 300 400 500 600 700m

SCALE IN METRES

092628

PACIFIC TRANS - OCEAN RESOURCES LTD.

SAID, THE & WAT CLAIMS

WHITEHORSE MINING DISTRICT

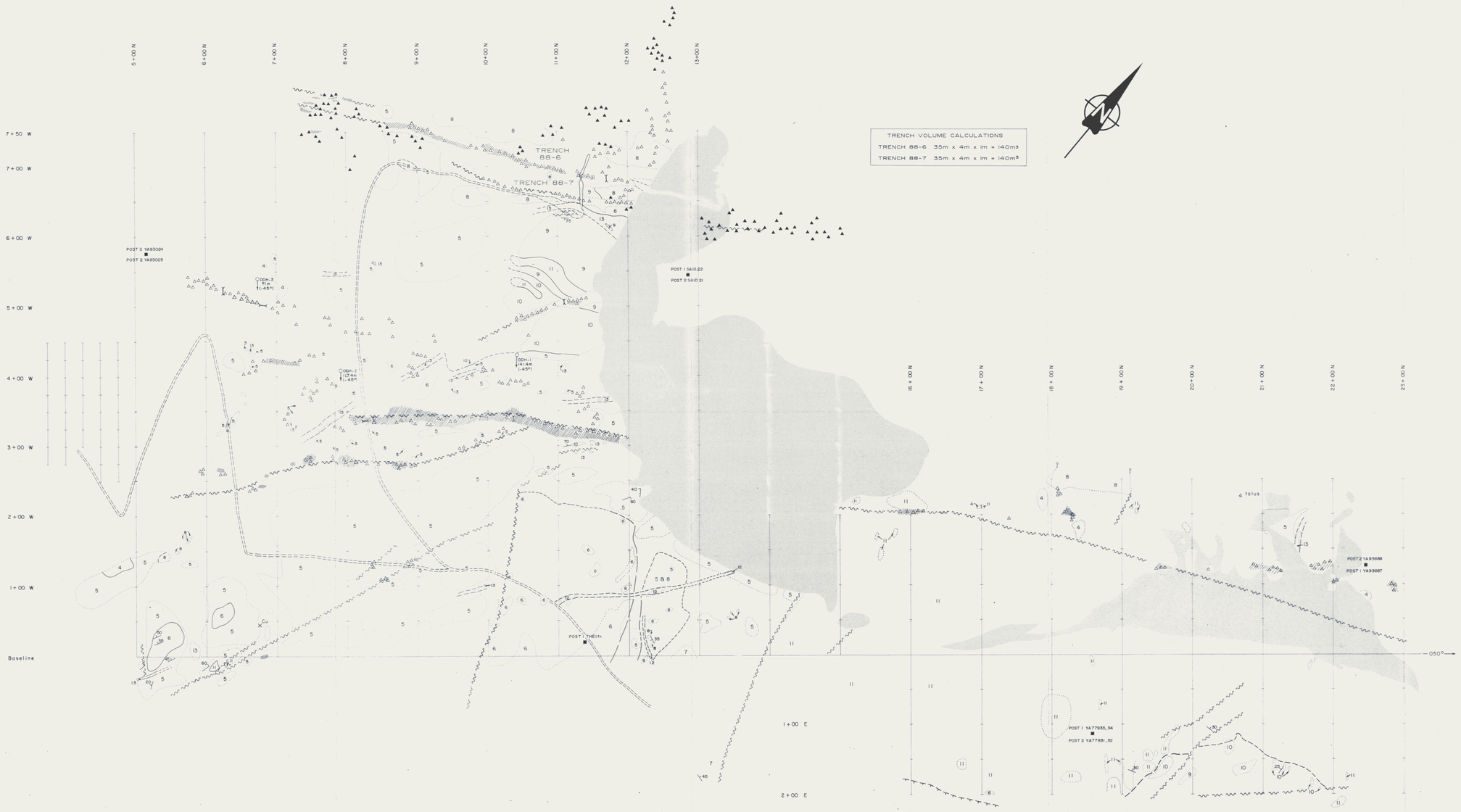
1987 & 1988

GEOLOGY and ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 105 D/3&6	DRAWN BY TAG/PJM	SCALE 1:10,000	FIGURE 3

366


approximate claim group perimeter
WAT CLAIMS
SAID CLAIMS
PLUS CLAIMS
THE CLAIMS
WAT GRID
BASELINE - CENTRAL GRID
BASELINE - FAR SW ZONE
Wolverine Cirque
Creek
SAMPLE No. Au ppb Ag ppm
8261002 4 0.2
8261003 2 0.4
8261004 2 0.16
8261005 2 0.37
8261006 6 0.15
8261007 <2 0.2
8261008 2 0.21
8261009 NS
8261043 2 0.41
8261044 2 0.48
8261045 <2 0.22
8261046 <2 0.22
8261047 <2 0.08
8261048 2 0.34
8261049 <2 0.33
8261050 <2 0.5
8261051 2 0.12
8261052 3 0.68
8261053 2 0.23
8261054 NS
8261055 2 0.13
8261056 3 0.1
8262035 2 0.59
8262036 60 5.86
8262037 70 0.23
8262038 40 0.84
8262039 50 0.12
8262040 40 0.84
8262041 30 0.21
8262042 30 0.18
8262043 30 0.21
8262044 30 0.18
8262045 30 0.21
8262046 30 0.18
8262047 30 0.21
8262048 NS
8262049 30 0.18
8262050 30 0.21
8262051 30 0.18
8262052 NS
8262053 30 0.18
8262054 30 0.21
8262055 30 0.18
8262056 30 0.21
8262057 30 0.18
8262058 30 0.21
8262059 30 0.18
8262060 30 0.21
8262061 30 0.18
8262062 30 0.21
8262063 30 0.18
8262064 30 0.21
8262065 30 0.18
8262066 30 0.21
8262067 30 0.18
8262068 30 0.21
8262069 30 0.18
8262070 30 0.21
8262071 NS
8262072 30 0.18
8262073 30 0.21
8262074 30 0.18
8262075 30 0.21
8262076 30 0.18
8262077 30 0.21
8262078 30 0.18
8262079 30 0.21
8262080 30 0.18
8262081 30 0.21
8262082 30 0.18
8262083 30 0.21
8262084 30 0.18
8262085 30 0.21
8262086 30 0.18
8262087 30 0.21
8262088 30 0.18
8262089 30 0.21
8262090 30 0.18
8262091 30 0.21
8262092 30 0.18
8262093 30 0.21
8262094 30 0.18
8262095 30 0.21
8262096 30 0.18
8262097 30 0.21
8262098 30 0.18
8262099 30 0.21
8262100 30 0.18
8262101 30 0.21
8262102 30 0.18
8262103 30 0.21
8262104 30 0.18
8262105 30 0.21
8262106 30 0.18
8263076 2 0.2
8263077 3 0.2
8263078 <2 0.37
8263079 <2 0.3
8263080 2 0.83
8263081 <2 0.28
8263082 2 2.5
8263083 3 0.5
8263084 320 3.44
8263085 <2 0.76
8263086 7 0.12
8263087 <2 0.6
8263088 <2 0.48
8263089 <2 0.46
8263090 <2 0.37
8263091 2 2.85
8263092 2 0.89
8263093 <2 0.98
8263094 <2 0.52
8263095 <2 0.1
8263096 <2 1.6
8263097 <2 0.16
8263098 <2 0.47
8263099 <2 0.36
8263100 4 0.36
8263101 3 0.6
8263102 3 0.3
8263103 3 0.24
8263104 2 0.17
8263105 2 0.15
8263106 2 0.2
8263107 2 0.15
8263108 2 0.2
8263109 2 0.2
8263110 2 0.2
8263111 2 0.2
8263112 2 0.2
8263113 2 0.2
8263114 2 0.2
8263115 2 0.2
8263116 2 0.2
8263117 2 0.2
8263118 2 0.2
8263119 2 0.2
8263120 2 0.2



TRENCH VOLUME CALCULATIONS

TRENCH 88-6 35m x 4m x 1m = 140m3

TRENCH 88-7 35m x 4m x 1m = 140m³

LEGEND

LITHOLOGIES

TERTIARY : MOUNT SKUKUM GROUP

- 13 rhyolite, dacite dykes
- 12 andesite dykes
- 11 andesite flows, minor tuff, minor dacite, 11a ; andesite tuffs
- 10 dacite tuff, light green well bedded ash and lapilli tuffs, some interlayered epiclastics
- 9 dacite lithic lapilli tuff ; clast dominated ash flows
- 8 rhyolite, maroon and grey; tan, flow banded, brecciated
- 7 rhyolite ash tuff, platy, light brown
- 6 rhyolite welded tuff to densely welded tuff similar to unit 4, dark purple to pink
- 5 rhyolite ash flows tuffs - lithic lapilli tuffs with up to 5% granodiorite clasts
- 4 rhyolite welded tuff to densely welded tuff with up to 5% granodiorite clasts, dark purple

JURASSIC to CRETACEOUS

- 3 granodiorite
- 2 diorite

PROTEROZOIC

- 1 YUKON GROUP : amphibolite

SYMBOLS

- geological contact (defined, assumed)
- fault
- 60 bedding, inclined
- 75 jointing, inclined
- outcrop & subcrop area
- bleached & clay rich soil
- Cu malachite stained boulders
- 1987 quartz, quartz-calcite, quartz-fluorite vein float
- 1988 quartz, quartz-calcite, quartz-fluorite vein float
- 1986 trench
- TRENCH 88-7 1988 trench boundary, with number
- DDH-2 1986 drill collar location
- POST 2 YA93024 / POST 2 YA93025 claim post location, with claim number and grant number
- 4WD road
- picketed & slope corrected grid (wing lines every 25m)
- snow & ice, semi-permanent

50m 0 50 100 150m

SCALE IN METRES

092628

PACIFIC TRANS - OCEAN RESOURCES LTD.

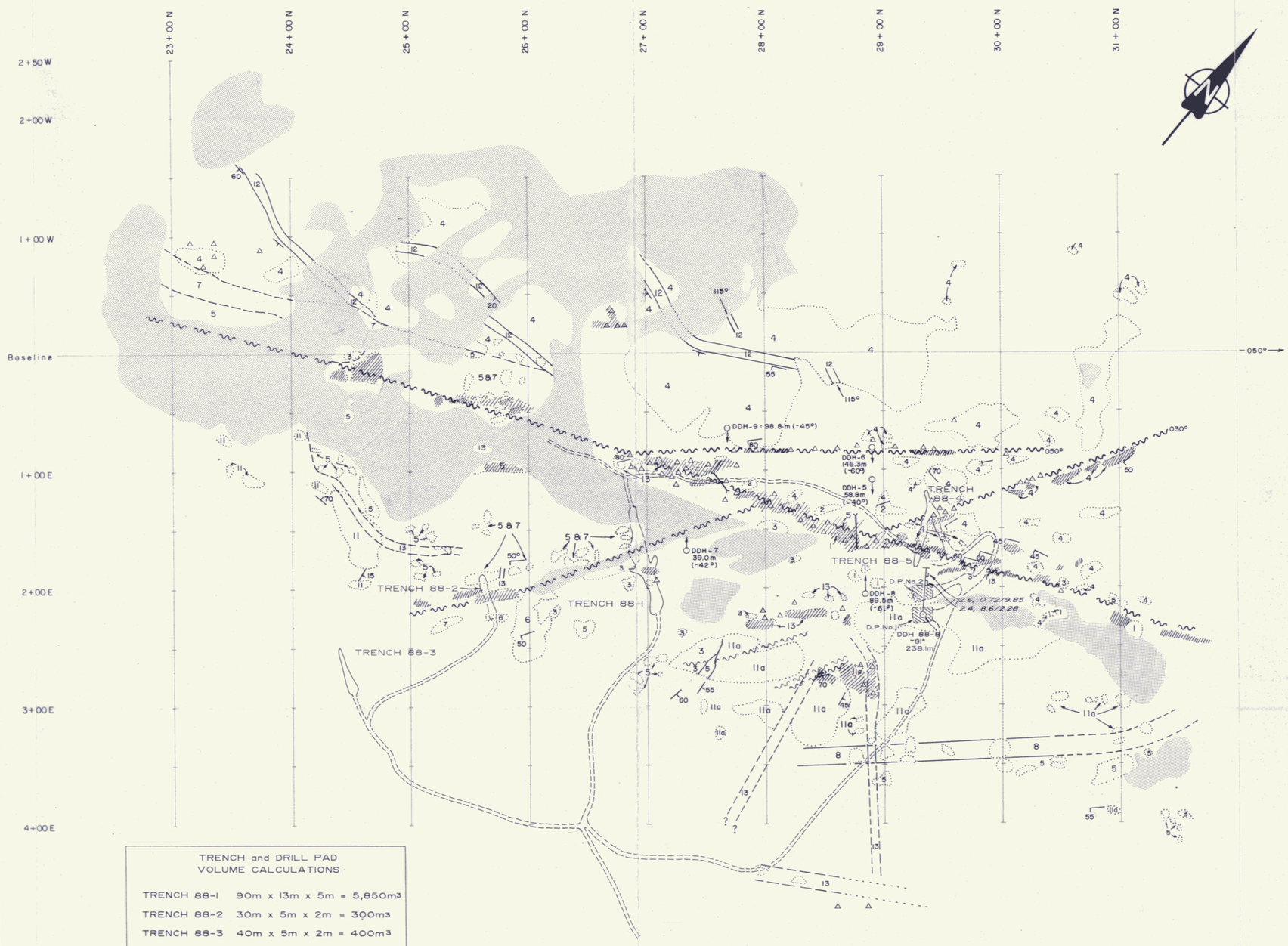
SAID - THE CLAIMS

WHITEHORSE MINING DISTRICT

L 5N to L 23N GEOLOGY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 105D/3&6	DRAWN BY TAG/PJM	SCALE 1:2,500	FIGURE : 5

368



TRENCH and DRILL PAD
VOLUME CALCULATIONS

TRENCH 88-1	90m x 13m x 5m = 5,850m³
TRENCH 88-2	30m x 5m x 2m = 300m³
TRENCH 88-3	40m x 5m x 2m = 400m³
TRENCH 88-4	45m x 5m x 3m = 675m³
TRENCH 88-5	60m x 5m x 3m = 900m³
DRILL PAD No. 1	16m x 14m x 2m = 448m³
DRILL PAD No. 2	16m x 14m x 2m = 448m³

LEGEND

LITHOLOGIES

TERTIARY : MOUNT SKUKUM GROUP

- 13 rhyolite, dacite dykes
- 12 andesite dykes
- 11 andesite flows, minor tuff, minor dacite, IIa ; andesite tuffs
- 10 dacite tuff, light green well bedded ash and lapilli tuffs, some interlayered epiclastics
- 9 dacite lithic lapilli tuff : clast dominated ash flows
- 8 rhyolite, maroon and grey, tan, flow banded, brecciated
- 7 rhyolite ash tuff, platy, light brown
- 6 rhyolite welded tuff to densely welded tuff similar to unit 4, dark purple to pink
- 5 rhyolite ash flows tuffs - lithic lapilli tuffs with up to 5% granodiorite clasts
- 4 rhyolite welded tuff to densely welded tuff with up to 5% granodiorite clasts, dark purple

JURASSIC to CRETACEOUS

- 3 granodiorite
- 2 diorite

PROTEROZOIC

- 1 YUKON GROUP : amphibolite

SYMBOLS

- geological contact (defined, assumed)
- fault
- bedding, inclined
- jointing, inclined
- outcrop & subcrop area
- bleached & clay rich soil
- quartz, quartz-calcite, quartz-fluorite vein float
- trench (1986)
- TRENCH 88-2 1988 trench boundary, with trench number
- DDH-8 1986 drill collar location
- 88-8 1988 diamond drill hole; 2.6, 0.72/9.85; 2.2, 1.80/13.3; collar; vein and/or shear intersection; significant mineralization/vein geochemical analyses/Au ppb, Ag ppm
- D.P. No. 2 drill pad with number
- picketed & slope corrected grid (wing lines every 25m)
- cat road
- snow & ice, semi-permanent

50m 0 50 100 150m
METRES

092628

PACIFIC TRANS - OCEAN RESOURCES LTD.

SAID - THE CLAIMS
WHITEHORSE MINING DISTRICT

NE ZONE
L23N to L3N
GEOLOGY

Aurum Geological Consultants Inc. | SEPTEMBER, 1988
NTS 105 D/3&6 | DRAWN BY TAG/PJM | SCALE 1:2,500 | FIGURE : 6

369



LEGEND

LITHOLOGIES

TERTIARY
EOCENE
MOUNT SKUKUM GROUP

- 15 rhyolite, dacite dykes
- 14 andesite dykes
- 13 andesite flows, minor tuff, minor dacite, 13a andesite tuffs
- 12 dacite tuff, light green well bedded ash and lapilli tuffs, some interlayered epiclastics
- 11 dacite lithic lapilli tuff: clast dominated ash flows
- 10 rhyolite, maroon and grey, tan, flow banded and brecciated
- 9 rhyolite ash tuff, platy, light brown
- 8 rhyolite welded tuff to densely welded tuff similar to unit 4, dark purple to pink
- 7 rhyolite ash flow tuffs – lithic lapilli tuffs with up to 5% granodiorite clasts
- 6 rhyolite welded tuff to densely welded tuff with up to 5% granodiorite clasts, dark purple
- 5 rhyolite to dacite lithic lapilli ash tuff (± welded) with up to 20% granodiorite clasts, orange to grey
- 4 4a porphyritic andesite flows, 4b minor andesite tuff, 4c andesite tuff breccia

JURASSIC to CRETACEOUS

- 3 granodiorite
- 2 diorite

PROTEROZOIC

- 1 YUKON GROUP: amphibolite

SYMBOLS

- area of outcrop and subcrop
- geological contact (defined, approximate)
- fault (approximate, inferred)
- jointing, inclined, vertical
- bleached and clay rich soil
- quartz, quartz-calcite, quartz-fluorite vein float
- snow and ice, semi-permanent
- picketed and slope corrected grid, wing lines every 25m
- claim post location (POST 1, YA77943)
- grant number

50m 0 50 100 150m
METRES

092628

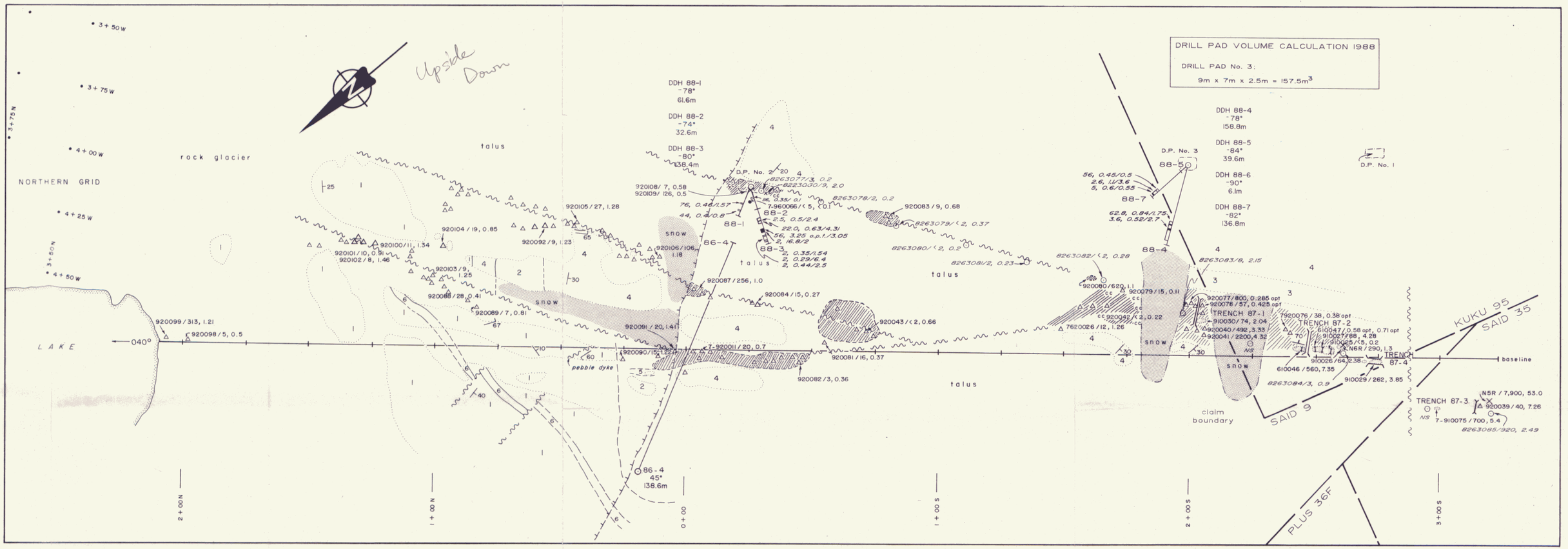
PACIFIC TRANS - OCEAN RESOURCES LTD.

WAT CLAIMS
WHITEHORSE MINING DISTRICT

L3IN to L40N
GEOLOGY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 105 D/3	DRAWN BY DP	SCALE 1:2500	FIGURE: 7

370



LEGEND

LITHOLOGIES

TERTIARY

- 6 — feldspar porphyritic dacite dyke
- 5 — andesite dyke, dark green
- 4 — bedded ash tuffs, lapilli tuffs and epiclastic sediments
- 3 — andesite flows, feldspar porphyritic
- 2 — rhyolite breccia with abundant angular flow banded rhyolite clasts
- 1 — welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

SYMBOLS

- geological contact (defined, assumed)
- fault
- bedding, inclined (also attitude of vein)
- jointing, inclined
- zone of clays in soil and outcrop
- vein outcrop
- narrow veins
- quartz vein float
- calcite vein float
- outcrop
- 1986 BQ diamond drill hole, number, dip, length
- blasted drill pad
- grid baseline
- ridge
- rock chip sample: sample no./ Au (ppb), Ag (ppm) unless otherwise indicated
- rock grab sample (float): sample no. / Au (ppb), Ag (ppm) unless otherwise indicated
- 1987 soil sample/Au(ppb), Ag(ppm)
- 1986 sample / Au(ppb), Ag(ppm)
- 1987 trench locations
- 1988 diamond drill hole, number, dip, length
- vein and/or shear intersection
- significant mineralization (veining)
- end of diamond drill hole and number
- geochemical analyses Au ppb, Ag ppm/ metres
- claim boundary (Underhill & Underhill, 1988 Survey)
- 1988 soil sample location, sample number/ Au ppb, Ag ppm
- 1988 rock (grab) sample, sample number/ Au ppb, Ag ppm
- NS — no sample taken

092628

10m 0 10 20 30 40 50m

SCALE IN METRES

PACIFIC TRANS-OCEAN RESOURCES LTD.

SAID - THE CLAIMS

FAR SW ZONE
GEOLOGY & ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc. | SEPTEMBER, 1988

NTS 105 D/3 | DRAWN BY TAG / NH | SCALE 1:1,000 | FIGURE : 8

371

ROCK GEOCHEMISTRY
TRENCH 88-5

SAMPLE No.	INTERVAL	Au (ppb)	Ag (ppm)
8216015	1m	3	0.29
8216016	1m	4	0.33
8216017	1m	2	0.13
8216018	1m	2	0.24
8216019	1m	2	0.34
8216020	1m	3	0.19
8216021	1m	2	1.25
8216022	1m	2	1.6
8216023	1m	2	0.53
8216024	1m	2	1.6
8216025	1m	3	3.25
8216026	1m	3	3.05
8216027	1.5m	3	1.97
8216028	0.73m	3	1.84
8216029	0.62m	8	3.25
8216030	0.70m	9	3.4
8216009	1.15m	2	5.66
8216010	1.15m	2	0.9
8216038	1m	2	2.32
8216039	1m	5	1.86
8216040	1m	3	5.2
8216041	1m	4	1.46
8216042	1m	3	1.6
8216043	1m	2	1.03
8216044	1m	2	1.6
8216045	1m	2	2.42
8216046	1m	3	3.6
8216047	1m	2	2.77
8216048	1m	2	0.81
8216049	1m	2	1.14
8216050	1m composite	2	1.32
8216051	1m composite	3	0.73
8216052	1m composite	2	0.13
8216053	1m composite	2	0.12
8216054	1m composite	2	0.3
8216055	1m composite	3	0.48
8216056	1m composite	<2	0.3
8216057	1m	3	0.4
8216058	1m	5	1.1
8216059	1m	3	0.17
8216060	1m	2	0.39
8216061	1m	3	0.24
8216062	1m	3	0.36
8216063	1m	2	0.4
8216064	1m	2	0.96
8216065	1m composite	2	0.53
8216066	1m composite	2	0.75
8216067	1m	2	0.6
8216068	1m	80	0.86
8216069	1m composite	3	0.43
8216070	1m composite	5	0.15
8216071	1m composite	<2	0.63
8216072	1m	3	0.64
8216073	1m	4	0.19
8216006	grab	44	3.6
8216007	grab	42	5.2
8216008	grab	61	4.45
8216009	grab	83	4.35

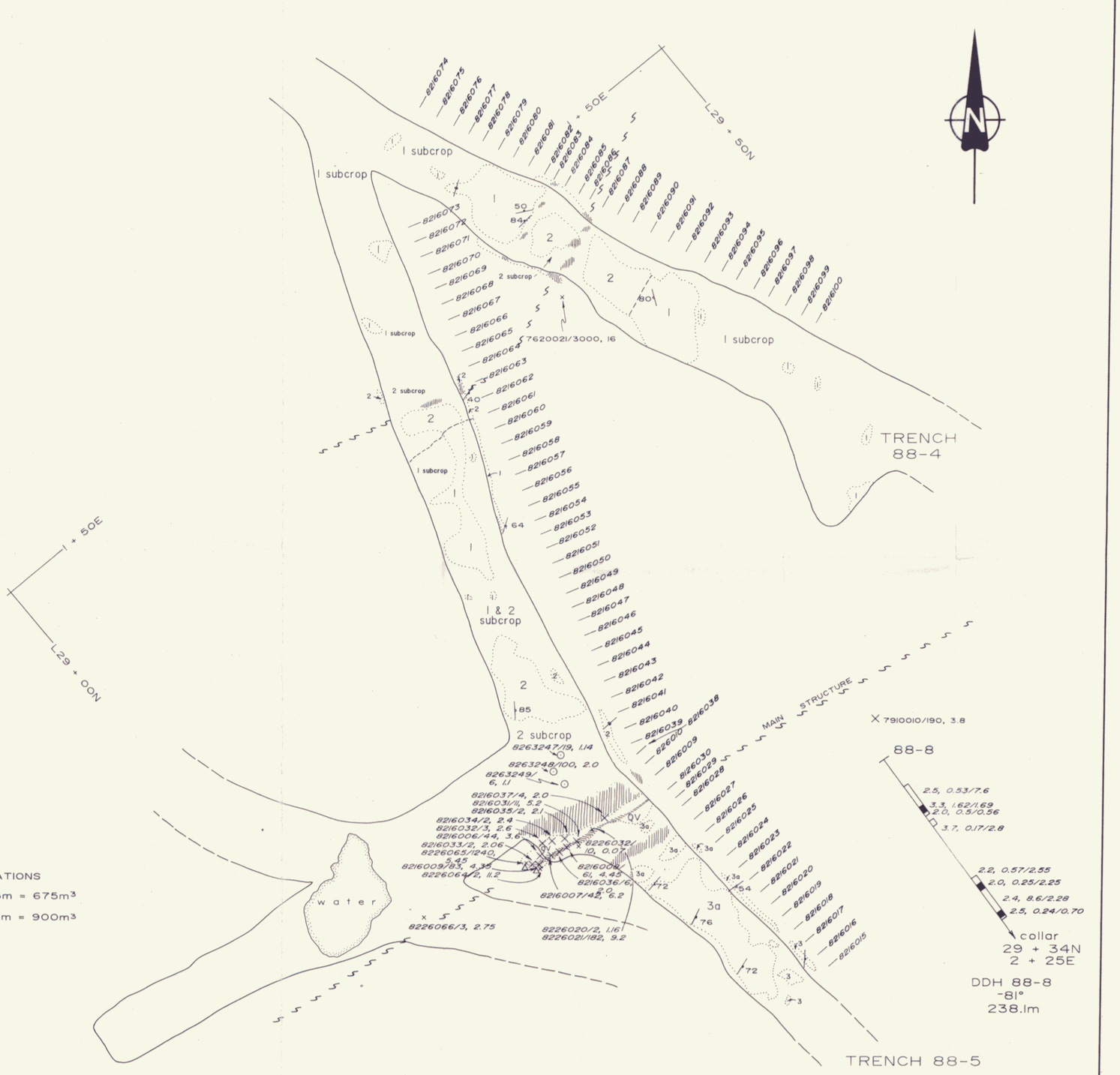
TRENCH 88-4

SAMPLE No.	INTERVAL	Au (ppb)	Ag (ppm)
8216074	1m	3	0.11
8216075	1m composite	2	0.1
8216076	1m composite	8	0.33
8216077	1m	3	0.27
8216078	1m	<2	0.72
8216079	1m	5	0.67
8216080	1m	<2	0.78
8216081	1m	5	1.06
8216082	1m	2	0.61
8216083	0.3m	2	0.8
8216084	1.2m	<2	0.59
8216085	0.7m	<2	0.27
8216086	0.8m	<2	0.85
8216087	1m	2	1.82
8216088	1m	<2	0.43
8216089	1m	<2	0.4
8216090	1m	2	1.34
8216091	1m	<2	0.12
8216092	1m	13	0.81
8216093	1m	2	0.99
8216094	1m	3	0.38
8216095	1m	<2	0.24
8216096	1m	2	0.69
8216097	1m composite	2	1.24
8216098	1m composite	<2	0.58
8216099	1m	2	0.87
8216100	1m composite	2	1.08

TRENCH VOLUME CALCULATIONS

Trench 88-4 : 45m x 5m x 3m = 675m³

Trench 88-5 : 60m x 5m x 3m = 900m³



LEGEND

LITHOLOGIES

TERTIARY
EOCENE

- 3 — clay altered rhyolite/dacite, 3a silicified
- 2 — silicified rhyolite welded tuff ± minor quartz, mn veinlets and clay alteration
- 1 — rhyolite welded tuff ± up to 1% granodiorite clasts, dark purple

SYMBOLS

- area of outcrop
- geological contact (approximate)
- 50 — jointing (inclined, vertical)
- inferred approximate fault structure
- QV — quartz veining (15-30%)
- rust-brown to red alteration in quartz vein
- clay gouge with up to 30% broken rock (unit 2 or 3a)
- ΔΔ — quartz, quartz-fluorite vein float
- — 8216057 — chip sample location (location approximately middle of trench)
- X 8216034/2, 2.4 — 1988 rock sample location, sample number/Au ppb, Ag ppm
- x 8226064/2, 11.2 — 1988 float sample location, sample number/Au ppb, Ag ppm
- ⊙ 8263248/100, 2.0 — 1988 soil sample location, sample number/Au ppb, Ag ppm
- X 7910010/190, 3.8 — 1987 rock sample location, sample number/Au ppb, Ag ppm
- x 7620021/3000, 16 — 1987 float sample location, sample number/Au ppb, Ag ppm
- 88-8 — plan projection of termination of diamond drill hole 88-8
  - vein and/or shear intersection
  - significant mineralization/veining
  - geochemical analyses, Au ppb, Ag ppm/metres
  - 2.2, 0.57/2.55

5m 0 5 10m
METRES

08 20 28

PACIFIC TRANS - OCEAN RESOURCES LTD.

THE CLAIMS
WHITEHORSE MINING DISTRICT

NE ZONE
GEOLOGY & GEOCHEMISTRY

GEOLOGICAL ASSOCIATION OF CANADA — F. CRAGAN — FELLOW

Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 105 D/3	DRAWN BY DP	SCALE 1:200	FIGURE: 9

372

TRENCH VOLUME CALCULATIONS
TRENCH 88-6 35m x 4m x 1m = 140m³
TRENCH 88-7 35m x 4m x 1m = 140m³

FLAT ZONE
TRENCH 88-6
TRENCH 88-7
SAID 21 & 22
snow
snow
snow
050°

LEGEND

- ×920052/3, 2.68 — 1987 rock (float) sample location, sample number/ Au ppb, Ag ppm, unless otherwise noted
- ⊠ 922205B/5b, 0.47 — 1988 rock (float) sample location, sample number/ Au ppb, Ag ppm, unless otherwise noted
- fault
- 1987 located quartz, quartz-calcite, quartz-fluorite float
- 1988 located quartz, quartz-calcite, quartz-fluorite float
- bleached and clay rich soil
- TRENCH 88-7 — trench boundary (1988), with trench number
- cat trail, 4WD road
- grid location, wing lines every 25m
- snow & ice, semi-permanent
- ■ claim post location

50m 0 50 100 150m
SCALE IN METRES

092I 28

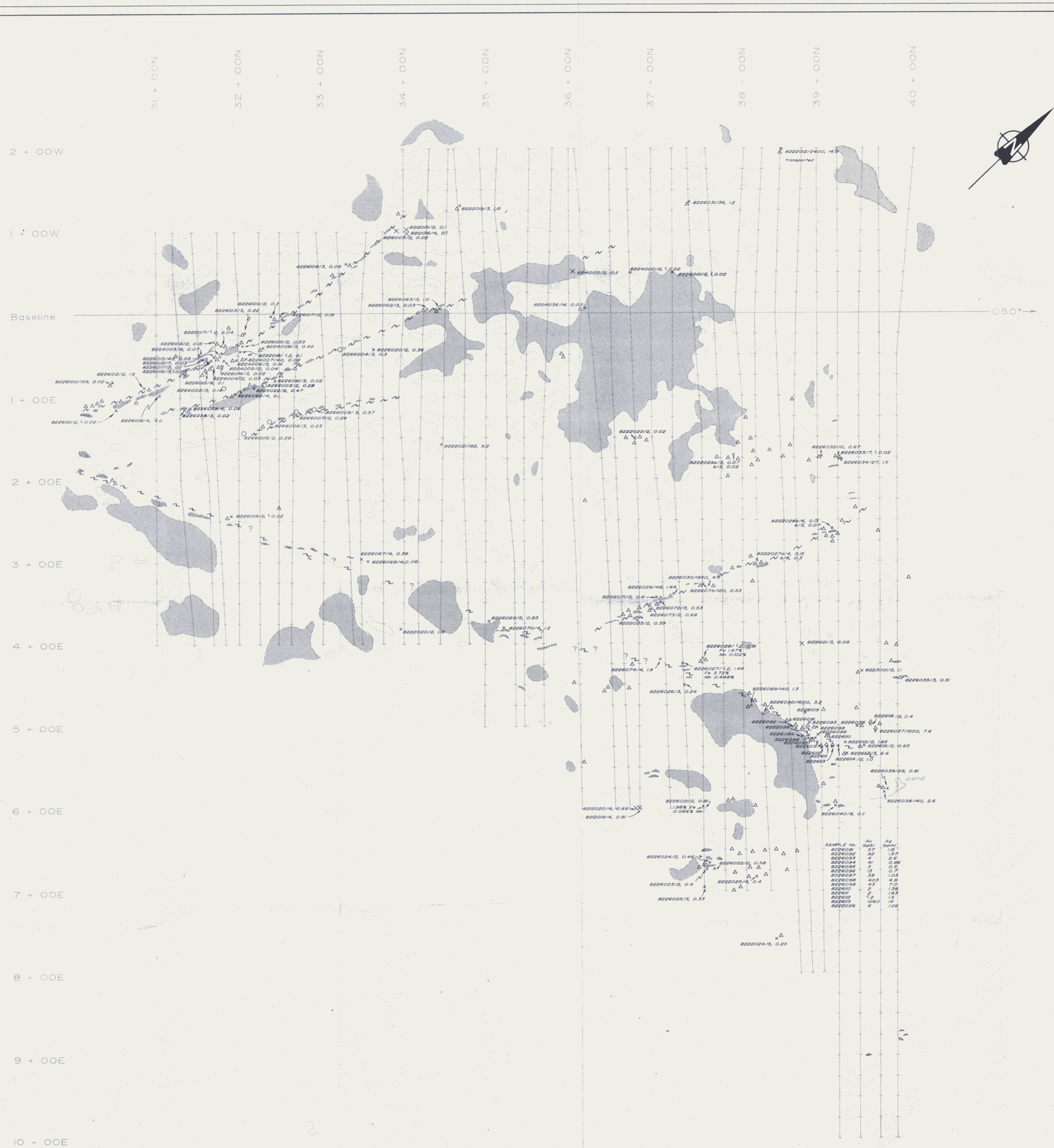
PACIFIC TRANS - OCEAN RESOURCES LTD.

SAID - THE CLAIMS
WHITEHORSE MINING DISTRICT

L 5N to L 23N
ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 105 D/3 & 6	DRAWN BY TAG/PJM	SCALE 1:2,500	FIGURE 10

373



SAMPLE No.	Au (ppb)	Ag (ppm)
8226091	57	1.15
8226092	32	1.37
8226093	4	2.6
8226094	41	0.96
8226095	3	0.5
8226096	13	0.7
8226097	39	1.03
8226098	403	4.8
8226099	43	7.0
8226100	2	1.38
8226101	2	1.63
8226102	1.2	1.5
8226103	1060	14
8222026	6	1.06

LEGEND

X8212015/2, 0.1 — rock (outcrop) sample location, sample number/ Au ppb, Ag ppm

x 8222022/2, 0.02 — rock (float) sample location, sample number/ Au ppb, Ag ppm

O8266008/3, 0.57 — soil sample location, sample number/ Au ppb, Ag ppm

fault approximate, inferred

bleached and clay rich soil

quartz, quartz-calcite, quartz-fluorite float

snow and ice, semi-permanent

grid location, wing lines every 25m

NOTE: - all samples taken during the 1988 field season

50m 0 50 100 150m
METRES

092628

PACIFIC TRANS - OCEAN RESOURCES LTD.

WAT CLAIMS

L3IN to L40N
ROCK GEOCHEMISTRY

Aurum Geological Consultants Inc.		SEPTEMBER, 1988	
NTS 105 D/3	DRAWN BY DP	SCALE 1:2500	FIGURE: 11

374



LEGEND

- soil sample location, Au ppb, Ag ppm
- NSS — not sampled due to snow cover
- NS — not sampled - other
- Q — quartz in float
- area of outcrop
- approximate area of snow cover
- grid location

GEOCHEMICAL ANALYSIS

- silver contours at 0.6 ppm & 1.0 ppm intervals

092628.

50m 0 50 100 150m
METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

WAT CLAIMS

WHITEHORSE MINING DISTRICT

L31N to L40N
SOIL GEOCHEMISTRY

Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 105 D/3	DRAWN BY DP	SCALE 1:2500	FIGURE: 12

375

NW

SE

Baseline
0 + 55S

DDH 88-2, 88-3

D.P. No. 2

2110m A.S.L.

2090m

2070m

2050m

2030m

2010m

1990m

1970m

920087/256, 1.0
920084/15, 0.27
projected on to section from 2m to NE

920081/16, 0.37
projected on to section from 7m to the SW

approximate surface profile

Vq

116, 0.35/0.1
Vq

ESK4

DDH 88-2
-74°
32.6m
107 ft
Azimuth 292°

2.5, 0.5/2.4
22.0, 0.63/4.31
qz veining 5% of interval

ESK5

Vca

56, 3.25 o.p.t./3.05m
(29% recovery)
2, 16.8/2.0
(29% recovery)

2, 0.35/1.54

2, 0.29/6.4

2, 0.44/2.5

ESK5-6

ESK1

DDH 88-3
-80°
138.4m
454 ft
Azimuth 292°

LEGEND

LITHOLOGIES

TERTIARY

EOCENE

SKUKUM GROUP

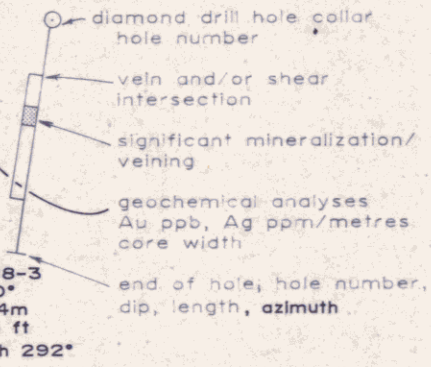
- ESK6 — rhyolite, dacite dykes
- ESK5 — andesite dykes
- ESK4 — bedded ash tuffs, lapilli tuffs and epiclastic sediments
- ESK3 — andesite flows, minor tuff, minor dacite, andesite tuffs
- ESK2 — rhyolite welded tuff to densely welded tuff, dark purple to pink
- ESK1 — rhyolite welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

JURASSIC to CRETACEOUS

- Kgd1 — altered granodiorite
- Kgd — granodiorite

SYMBOLS

- geological boundary: approximate / inferred
- fault, shear: inferred
- overburden, talus
- veining, Vq-minor quartz veining, Vca-minor calcite veining
- silicification
- argillization
- D.P. — drill pad
- × 920081/16, 0.37 — rock (float) sample, sample number/ Au ppb, Ag ppm



- diamond drill hole collar: hole number
- vein and/or shear intersection
- significant mineralization/ veining
- geochemical analyses Au ppb, Ag ppm/metres core width
- end of hole, hole number, dip, length, azimuth

092628

0 10 20m

METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

SAID - THE CLAIMS
WHITEHORSE MINING DISTRICT

FAR SW ZONE

CROSS SECTION 0 + 55S - 292°

LOOKING NORTHEAST

Aurum Geological Consultants Inc. | SEPTEMBER, 1988

NTS 105 D/3 | DRAWN BY PJM | SCALE 1:500 | FIGURE: 13a

NW

SE

Baseline
0 + 55S

DDH 88-1

D.P. No. 2

2110m A.S.L.

2090m

2070m

2050m

2030m

2010m

1990m

1970m

920078/256, 1.0
920084/15, 0.27
projected on to section from 22m to SW

approximate surface profile

Vq

Esk_4

76, 0.46/1.57

44, 0.4/0.8

DDH 88-1
-78°
61.6m
202.1ft
Azimuth 332°

LEGEND

LITHOLOGIES

TERTIARY

EOCENE

SKUKUM GROUP

- Esk_6 rhyolite, dacite dykes
- Esk_5 andesite dykes
- Esk_4 bedded ash tuffs, lapilli tuffs and epiclastic sediments
- Esk_3 andesite flows, minor tuff, minor dacite, andesite tuffs
- Esk_2 rhyolite welded tuff to densely welded tuff, dark purple to pink
- Esk_1 rhyolite welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

JURASSIC to CRETACEOUS

- Kgd_1 altered granodiorite
- Kgd granodiorite

SYMBOLS

- geological boundary: approximate / inferred
- fault, shear: inferred
- overburden, talus
- veining, Vq-minor quartz veining, Vca-minor calcite veining
- silicification
- argillization
- D.P. drill pad
- × 920078/256, 1.0 — rock (float) sample, sample number/ Au ppb, Ag ppm
- diamond drill hole collar, hole number
- 76, 0.46/1.57 — vein and/or shear intersection
- significant mineralization/ veining
- geochemical analyses Au ppb, Ag ppm/metres core width
- DDH 88-1 -78° 61.6m 202.1ft Azimuth 332° — end of hole, hole number, dip, length

092628

10m 0 10 20m
METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

AID - THE CLAIMS
WHITEHORSE MINING DISTRICT

FAR SW ZONE

CROSS SECTION 0 + 55S - 332°

LOOKING NORTHEAST

Aurum Geological Consultants Inc. | SEPTEMBER, 1988

NTS 105 D/3 | DRAWN BY PJM | SCALE 1:500 | FIGURE: 13b

GEOLOGICAL ASSOC. OF CANADA T. A. GARAGAN FELLOW

NW

SE

Baseline
1 + 77S

Claim Boundary

TRENCH 87-1

projection from 18m SW of plane of section

DDH 88-4 & 88-6

D.P. No. 3

DDH 88-6
-90°
6.1m
20ft

2110m A.S.L.

2090m

2070m

2050m

2030m

2010m

1990m

1970m

approximate surface profile

920077/800, 0.285 o.p.t.

920078/57, 0.425 o.p.t.

920040/432, 3.33
920041/2200, 4.32

stockwork veining

veining at least 30% of interval

ESK4

ESK6

silicified dacite dyke

Vq, Vca

62.8, 0.84/1.75

70% veining

3.6, 0.52/2.7

Vq

Vca

40% fault gouge

ESK1

DDH 88-4
-78°
158.8m
521ft
Azimuth 325°

DDH 88-7
-82°
136.8m
449ft
Azimuth 325°

LEGEND

LITHOLOGIES

TERTIARY

EOCENE

SKUKUM GROUP

- E_{SK_6} rhyolite, dacite dykes
- E_{SK_5} andesite dykes
- E_{SK_4} bedded ash tuffs, lapilli tuffs and epiclastic sediments
- E_{SK_3} andesite flows, minor tuff, minor dacite, andesite tuffs
- E_{SK_2} rhyolite welded tuff to densely welded tuff, dark purple to pink
- E_{SK_1} rhyolite welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

JURASSIC to CRETACEOUS

- Kgd_1 altered granodiorite
- Kgd granodiorite

SYMBOLS

- geological boundary approximate / inferred
- fault, shear inferred
- overburden, talus
- veining, Vq-minor quartz veining, Vca-minor calcite veining
- silicification
- argillization
- D.P. drill pad
- x 920040/432, 3.33 rock (float) sample, sample number/ Au ppb, Ag ppm
- diamond drill hole collar, hole number
- vein and/or shear intersection
- significant mineralization/ veining
- geochemical analyses Au ppb, Ag ppm/metres core width
- end of hole, hole number, dip, length, azimuth

09 26 28

10m 0 10 20m

METRES

TRANS - OCEAN RESOURCES LTD.

GRID - THE CLAIMS

WHITEHORSE MINING DISTRICT

FAR SW ZONE

CROSS SECTION 1 + 77S - 325°

LOOKING NORTHEAST

Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 105 D/3	DRAWN BY PJM	SCALE 1:500	FIGURE: 14a

NW

SE

Claim Boundary

DDH 88-5, 6 & 7

D.P. No. 3

DDH 88-6
-90°
6.1m
20ft

approximate surface profile

920080/620, 1.1

ESK4

DDH 88-5
-84°
39.6m
130ft
Azimuth 353°

2110m – A.S.L.
2090m–
2070m–
2050m–
2030m–
2010m –
1990m –
1970m –

ESK4
ESK4
ESK3
ESK4
ESK6
silicified dacite dyke
ESK4
ESK1
Vq
56, 0.45/0.5
Vca
Vca
2.6, 1.1/3.6
qz veining to 15%
ESK1
5, 0.6/0.55
qz

DDH 88-7
-82°
136.8m
449ft
Azimuth 358°

LEGEND

LITHOLOGIES
TERTIARY
EOCENE
SKUKUM GROUP

- ESK6 — rhyolite, dacite dykes
- ESK5 — andesite dykes
- ESK4 — bedded ash tuffs, lapilli tuffs and epiclastic sediments
- ESK3 — andesite flows, minor tuff, minor dacite, andesite tuffs
- ESK2 — rhyolite welded tuff to densely welded tuff, dark purple to pink
- ESK1 — rhyolite welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

JURASSIC to CRETACEOUS

- Kgd1 — altered granodiorite
- Kgd — granodiorite

SYMBOLS

- geological boundary approximate / inferred
- fault, shear inferred
- overburden, talus
- veining, Vq-minor quartz veining, Vca-minor calcite veining
- silicification
- argillization
- D.P. — drill pad
- × 920080/620, 1.1 — rock (float) sample, sample number, Au ppb, Ag ppm

2.6, 1.1/3.6 — diamond drill hole collar, hole number; vein and/or shear intersection; significant mineralization/veining; geochemical analyses Au ppb, Ag ppm/metres core width; end of hole, hole number, dip, length, azimuth

DDH 88-7
-82°
136.8m
449ft
Azimuth 358°

092628

10m 0 10 20m
METRES

PACIFIC TRANS - OCEAN RESOURCES LTD.

SAID - THE CLAIMS
WHITEHORSE MINING DISTRICT

FAR SW ZONE

CROSS SECTION 1 + 77S - 358°

LOOKING NORTHEAST

Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 105 D/3	DRAWN BY PJM	SCALE 1:500	FIGURE: 14b

NW

SE

1 + 50E

2 + 00E

DDH 88-8

TRENCH 88-05

projected on the plane of section from 24m to the SW

D.P. No. 2

2050m A.S.L.

approximate surface profile exaggerated due to off section projection of trench

D.P. No. 1

2030m

Esk_6

Esk_1

Esk_1 silicified

Esk_1 argillized

2010m

?

Esk_6

1990m

Kgd_1

?

1970m

Esk_2

1950m

Kgd

1930m

1910m

Vq

2.5, 0.24/0.7

1890m

dominant fault gouge orientation 70°

2.2, 2.79/7.78

(includes 2.4, 8.6/2.28)

20°/45° dip on fault gouge intervals

2.0; 0.25/2.25

Vca 10% calcite veining

Kgd_1

2.2, 0.57/2.55

1870m

Kgd

1850m

3.7, 0.17/2.8

Vca

Kgd_1

2.0, 0.5/1.56

3.3, 1.62/1.69

Vq

10-20% qz veining (220-222m)

1830m

2.5, 0.53/7.6

Kgd_1

10m 0 10 20m

METRES

DDH 88-8

-81°

238.1m

781.2ft

Azimuth 325°

092628

LEGEND

LITHOLOGIES

TERTIARY

EOCENE

SKUKUM GROUP

- Esk_6 rhyolite, dacite dykes
- Esk_5 andesite dykes
- Esk_4 bedded ash tuffs, lapilli tuffs and epiclastic sediments
- Esk_3 andesite flows, minor tuff, minor dacite, andesite tuffs
- Esk_2 rhyolite welded tuff to densely welded tuff, dark purple to pink
- Esk_1 rhyolite welded tuff, purple and green with locally up to 15% subrounded granodiorite clasts and 10% feldspar crystals

JURASSIC to CRETACEOUS

- Kgd_1 altered granodiorite
- Kgd granodiorite

SYMBOLS

- geological boundary: approximate / inferred
- fault, shear inferred (2.0, 0.25/2.2)
- overburden, talus
- veining, Vq-minor quartz veining, Vca-minor calcite veining
- silicification
- argillization
- D.P. drill pad
- diamond drill hole collar, hole number
- vein and/or shear intersection
- significant mineralization/ veining
- geochemical analyses Au ppb, Ag ppm/metres core width
- end of hole, hole number, dip, length, azimuth

DDH 88-8 -81° 238.1m 781.2ft Azimuth 325°

376

GEOLOGICAL ASSOC. OF CANADA — P.A. CRAIG — FELLOW

TRANS - OCEAN RESOURCES LTD.

AID - THE CLAIMS

WHITEHORSE MINING DISTRICT

NE ZONE

CROSS SECTION 29 + 32N - 325°

LOOKING NORTHEAST

Aurum Geological Consultants Inc.			SEPTEMBER, 1988
NTS 105 D/3	DRAWN BY PJM	SCALE 1:500	FIGURE: 15