ASSESSMENT REPORT ON PHASE II DRILLING ON THE TANTALUS RESOURCES LTD. TREATY CREEK PROJECT

ISKUT-SULPHURETS AREA
BRITISH COLUMBIA

B. Dewonck, F.G.A.C.

March 30, 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,872

OREQUEST

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SUMMARY

The Treaty Creek Project of Tantalus Resources Ltd. lies within the Iskut-Sulphurets area of northern B.C. (Figure 1), approximately 16 kilometres east of the Eskay Creek deposit of Calpine Resources Inc./Stikine Resources Ltd. and 10 kilometres north of the Sulphurets gold deposit of Newhawk Gold Mines Ltd./Corona Corp./Granduc Mines Ltd.

The drilling portion of the Phase II program on the Konkin Zone and the Goat Trail Zone commenced on September 22, 1989, approximately one month after the 1989 Phase I program was completed. The program was initiated after encouraging results were received from the Phase I program with hole TA-89-3 assaying 0.138 oz/ton gold over 4.09 m including 1.8 m of 0.249 oz/ton gold.

A total of 7 holes totalling 800.92 m were completed with 509.96 m in two holes on the Goat Trail Zone (holes TA89-5 and 6) and 290.96 m in five holes on the Konkin Zone (holes TA89-7 to 11). When combined with the Phase I program (holes TA89-1 to 4 on the Konkin Zone) a total of 11 holes totalling 1182.75 m were completed on the Treaty Creek Project during 1989. Costs of the Phase II program were approximately $175,000, of which $114,738.75 is being applied for assessment. This amount represents expenses incurred after Oct. 1, 1989 as indicated on the Statement of Work filed Jan. 5, 1990, however all results from Phase II are included in this report. These expenses are lower than declared on the Statement of Work and as a result the assessment applied to certain claims has been reduced.

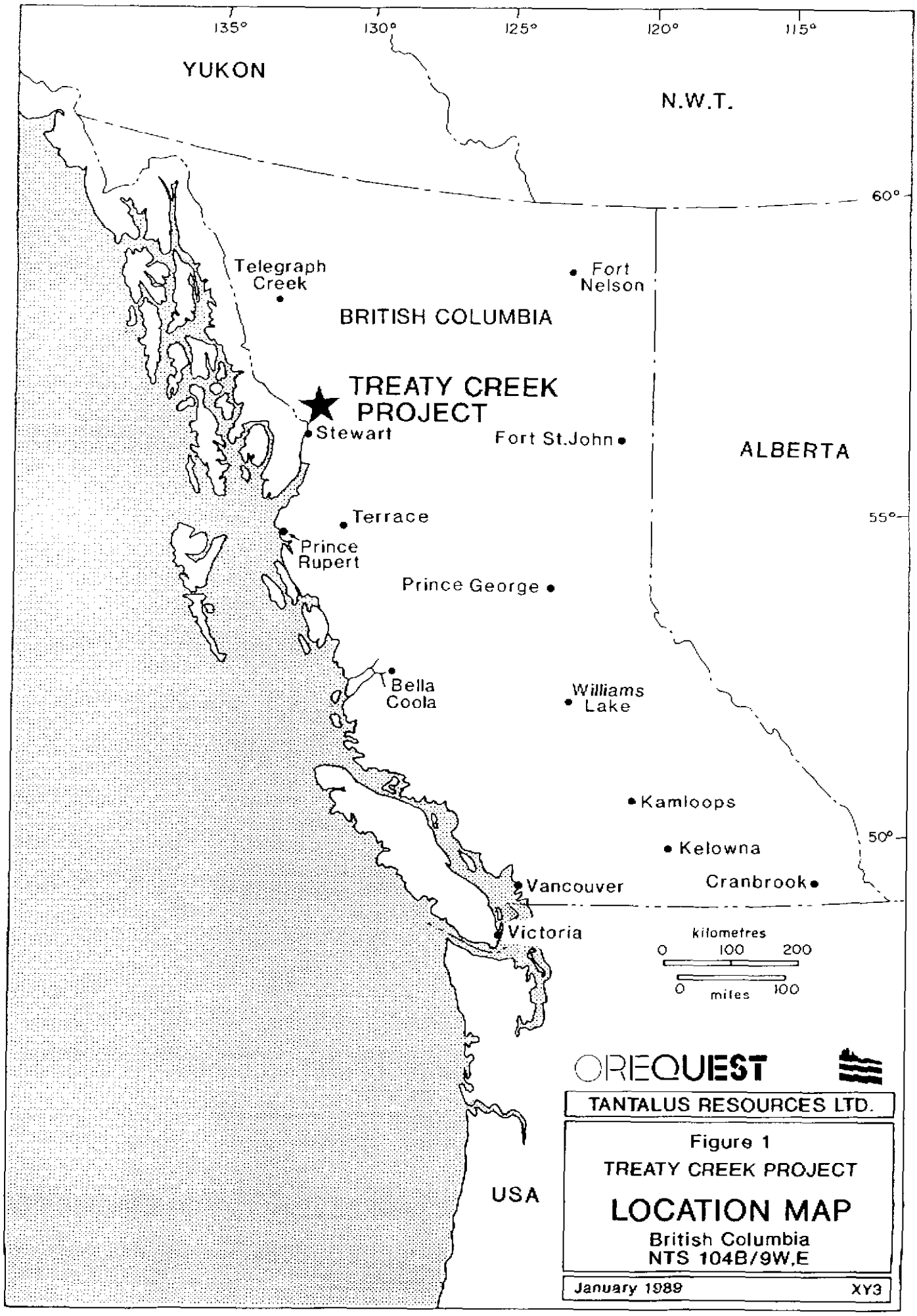
Drilling on the Goat Trail Zone involved 2 holes from one site to test a quartz-sericite-pyrite alteration zone in andesite lapilli tuff sampled on one of the rappel traverses. This zone was not clearly intersected in either hole though

broad areas of mineralization and/or alteration seen in drill core can be roughly correlated with the surface samples. Various massive pyrite zones were also intersected in the andesite lapilli tuff, however no surface expression of these zones was noted. Sericite and/or silica altered diorite was the lowermost lithology seen in both holes.

A maximum value of 0.155 oz/ton gold was returned from the Goat Trail drilling, TA-89-5, representing a 1.0 m intersection within the andesite lapilli tuffs. Lower grade, but strongly anomalous, intervals are present throughout the hole often associated with quartz-sericite-pyrite alteration zones. The above mentioned sample is part of a 22.3 m interval which averaged 938 ppb gold. The corresponding section in hole TA-89-6 averaged 542 ppb gold over 26.5 m within the andesite lapilli tuffs. Other significant intersections within the Goat Trail Zone include 28.5 m averaging 655 ppb and 630 ppb gold over 22.78 m from the basal diorite in holes TA-89-5 and 6 respectively.

On the Konkin Zone a steeper hole, TA-89-7, was drilled below holes TA-89-3 and 4 which returned a maximum value of 0.127 oz/ton gold over 1.5 m. The chlorite-epidote-gold horizon was intersected however it contained only moderately anomalous gold values. As in holes TA-89-3 and 4 a wide intersection of anomalous gold was encountered between 55.00 m and 103.20 m which assayed 414 ppb. The step out holes did not encounter any extension of the chlorite-epidote-gold horizon but did intersect anomalous gold values up to 0.039 oz/ton over 1.0 m and 428 ppb over 28.0 m in TA-89-10. Winter storms and heavy snowfall forced a shut down of the program prior to completing hole TA-89-11.

Further work is warranted on this area in light of the current information. The complete Phase II program should be implemented at the start of the 1990 field season. Costs to carry out the remainder of this program are estimated at $325,0000.


135°
130°
125°
120°
115°
YUKON
N.W.T.
60°
Telegraph Creek
Fort Nelson
BRITISH COLUMBIA
TREATY CREEK PROJECT
Stewart
Fort St.John
ALBERTA
Terrace
55°
Prince Rupert
Prince George
Bella Coola
Williams Lake
Kamloops
50°
Kelowna
Vancouver
Cranbrook
Victoria
kilometres
0 100 200
0 miles 100
USA
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TANTALUS RESOURCES LTD.
Figure 1
TREATY CREEK PROJECT
LOCATION MAP
British Columbia
NTS 104B/9W,E
January 1989
XY3

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INTRODUCTION

This report was prepared by OreQuest Consultants Ltd. at the request of Prime Explorations Ltd. on behalf of Tantalus Resources Ltd. The information contained herein is derived from supervision and execution of the field program, the references cited and familiarity with the Iskut-Sulphurets area gained by OreQuest on behalf of various clients in 1987, 1988 and 1989. It presents the results of the diamond drilling portion of the Phase II program on the Treaty Creek Project of Tantalus Resources. This second phase of drilling commenced September 22, 1989 and finished on October 9, 1989 approximately one month after the Phase I program was completed. The work was initiated after encouraging results were obtained from the Phase I drilling on the Konkin zone.

Drilling focused on the Konkin and Goat Trail Zones with 5 holes totalling 290.96m on the Konkin Zone and 2 holes totalling 509.96m on the Goat Trail Zone. A total of 800.92 m in 7 holes was completed during the Phase II program.

LOCATION AND ACCESS

The Treaty Creek Project is located about 80 kilometres north-northwest of Stewart, British Columbia in the Skeena Mining Division on claim maps 104B/9E and 104B/9W.

Access to the claims is by helicopter. Airstrips are located at the Johnny Mountain Mine, on Bronson Creek at the Snip deposit, both approximately 40 kilometre to the west, and at Snippaker Creek approximately 10 kilometre to the southwest. Float or ski-equipped aircraft can land on Tom MacKay Lake, 20 kilometres to the

west. The Bell-Irving Crossing (Bell II) on the Stewart-Cassiar Highway, approximately 25 kilometres to the east can also be used for shipment of supplies.

Frequent scheduled and charter flights from Smithers (330 kilometres to the southeast) to the Bronson Creek strip service the exploration and mining activity in the area. The Johnny Mountain airstrip is serviced regularly from Terrace. The Snippaker Creek airstrip would require improvement before use by small aircraft. Numerous helicopters are generally available in the area for casual charter during the summer field season. A year round winterized, helicopter supported camp has been established on the Eskay Creek property, 16 kilometres to the west.

PHYSIOGRAPHY AND VEGETATION

Elevations on the Treaty Creek property range from 1500 m in the valleys at the east side of the property up to 2175 m on the peaks to the west. Slopes range from moderate to very precipitous.

Low lying regions are vegetated by mature mountain hemlock and balsam. This changes to subalpine and alpine vegetation consisting of stunted shrubs and grasses. The claims cover the icefield at the head of Treaty, South Treaty and Atkins Glaciers. Much of the property is covered by ice.

A nunatak, exposed at high elevation along the northwestern flank of the Treaty Glacier, constitutes the priority area of interest on the Treaty Creek property. Slopes on this nunatak range from moderate to very steep.

Climate in the area is severe, particularly at the higher elevations. Heavy snowfalls in winter and rain in the short summer working season are typical of the Iskut-Sulphurets area. Inclement weather conditions and reliance on helicopter transport make this a high cost area to explore for minerals.

Pertinent to the drilling is the topography in the area of the Konkin and Goat Trail Zones. The zones are on a northeast slope which dips at approximately 30° down to the Treaty glacier. Most of the area is covered by fine to coarse talus ranging from several centimetres up to one metre square blocks. Drill pad construction is often a time consuming process as once a pad area is blasted out material upslope continually fills in the area cleared.

These are by no means insurmountable problems, merely conditions to be considered in planning further work to assure that adequate time is allowed to properly prepare drill site pads and adjust pre-planned hole azimuths if necessary.

CLAIM STATUS

The property is located in the Skeena Mining Division on maps 104B/9E and 9W centered at approximately 56°35'N latitude and 130°07'W longitude (Figure 2).

The Treaty property consists of 28 modified grid claims, the status of which is as follows:

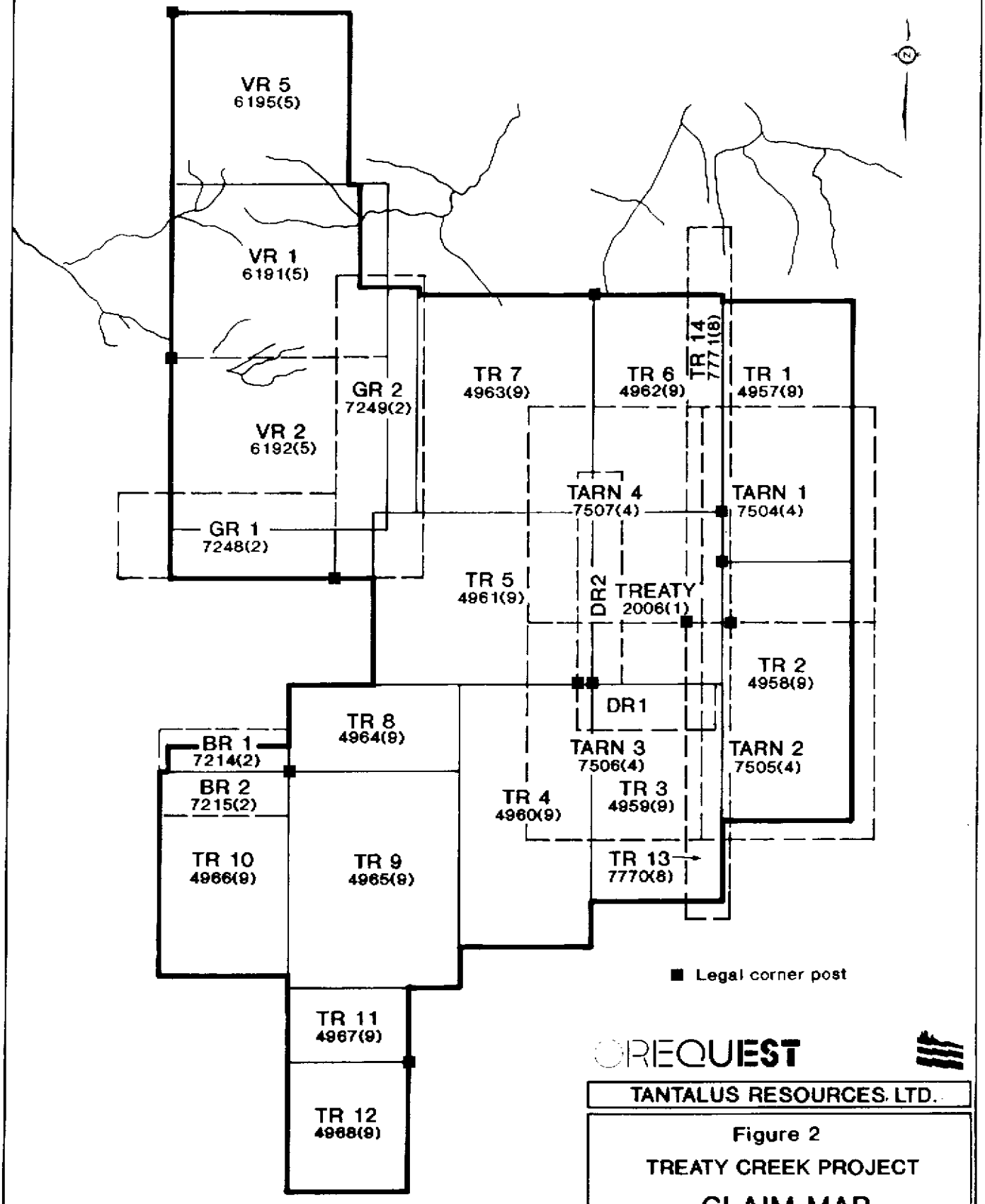

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Figure 2

TREATY CREEK PROJECT

CLAIM MAP

British Columbia
NTS 104B/9W,E

January 1989 XY3

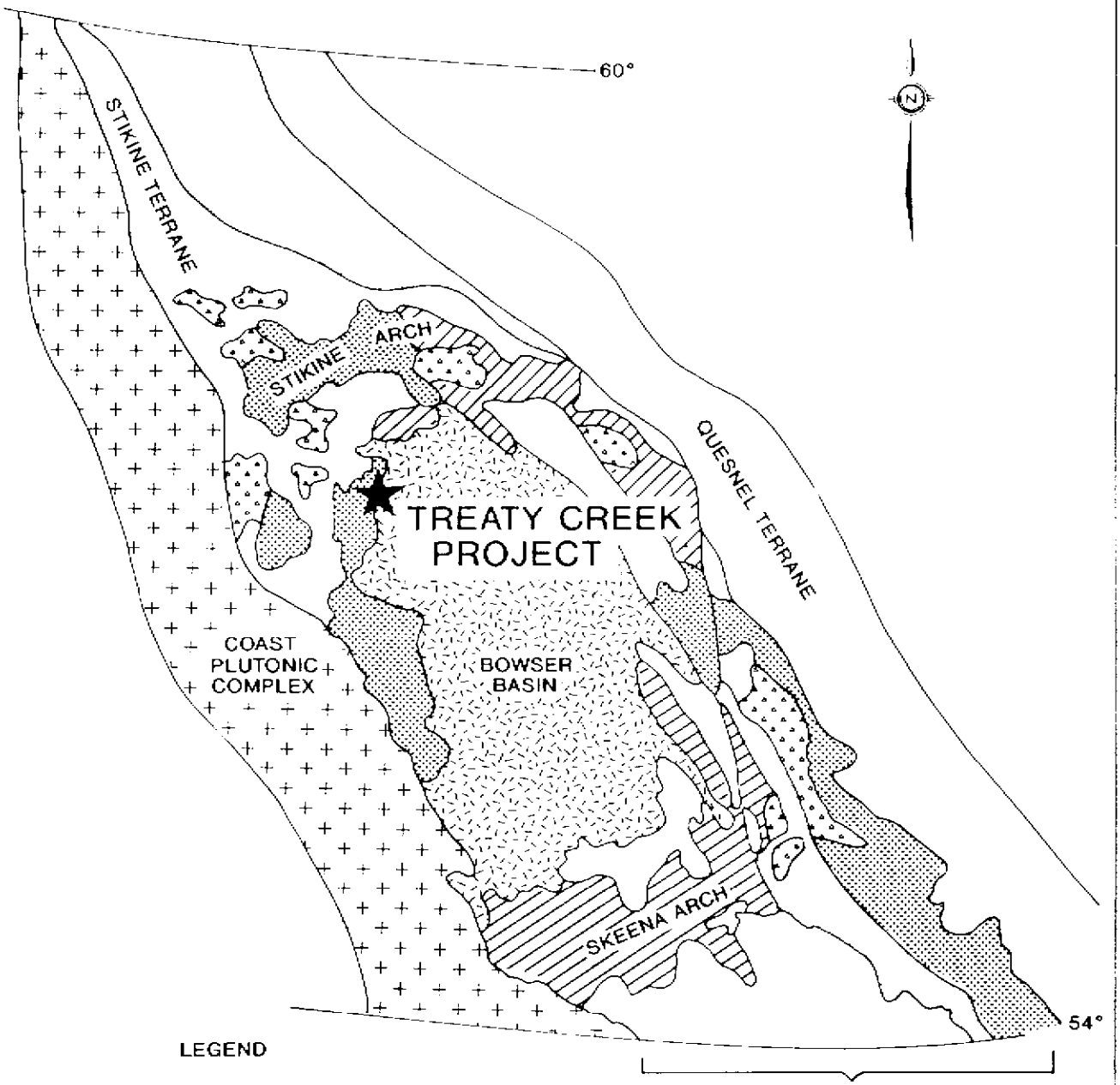
TABLE I - CLAIM STATUS

Claim Name	No. of Units	Record No.	Date of Record	Anniversary * Date
Treaty	12	2006	Jan. 9, 1980	Jan. 9/93
TR 1	18	4957	Sept. 30, 1985	Sept. 30/93
TR 2	18	4958	Sept. 30, 1985	Sept. 30/93
TR 3	15	4959	Sept. 30, 1985	Sept. 30/93
TR 4	18	4960	Sept. 30, 1985	Sept. 30/93
TR 5	20	4961	Sept. 30, 1985	Sept. 30/93
TR 6	15	4962	Sept. 30, 1985	Sept. 30/93
TR 7	20	4963	Sept. 30, 1985	Sept. 30/93
TR 8	8	4964	Sept. 30, 1985	Sept. 30/95
TR 9	20	4965	Sept. 30, 1985	Sept. 30/93
TR 10	15	4966	Sept. 30, 1985	Sept. 30/93
TR 11	6	4967	Sept. 30, 1985	Sept. 30/93
TR 12	9	4968	Sept. 30, 1985	Sept. 30/93
TR 13	8	7770	Aug. 6, 1989	Aug. 6/93
TR 14	8	7771	Aug. 6, 1989	Aug. 6/90
GR1	10	7248	Feb. 24, 1989	Feb. 24/93
GR2	14	7249	Feb. 24, 1989	Feb. 24/93
BR1	3	7214	Feb. 24, 1989	Feb. 24/95
BR2	3	7215	Feb. 24, 1989	Feb. 24/95
DR 1	4	7220	Feb. 10, 1989	Feb. 10/93
DR 2	5	7221	Feb. 10, 1989	Feb. 10/93
VR1	20	6191	May 25, 1987	May 25/93
VR2	20	6192	May 25, 1987	May 25/93
VR5	16	6195	May 25, 1987	May 25/93
Tarn 1	20	7504	April 7, 1989	April 7/93
Tarn 2	20	7505	April 7, 1989	April 7/93
Tarn 3	20	7506	April 7, 1989	April 7/93
Tarn 4	20	7507	April 7, 1989	April 7/90

* Dates based on acceptance of current assessment filing. Please note that these dates reflect a reduction of assessment on certain claims from what was originally indicated on the Statement of Work.

REGIONAL GEOLOGY AND MINERALIZATION

The property lies within the Intermontane Tectono-Stratigraphic Belt - one of five parallel, northwest-southeast trending belts which comprise the Canadian Cordillera (Figure 3). The claims cover the contact between the Stikine Terrane,



LEGEND

- Cache Creek Terrane
- Bowser Lake Group (mid-upper Jurassic
- Late Triassic volcanics
- Early Jurassic volcanics
- Late Triassic - early Jurassic Plutonics

Outline of terrane boundaries and major rock groups of the Jurassic and Triassic - modified from Thomson 1985

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Figure 3

TREATY CREEK PROJECT

REGIONAL GEOLOGIC SETTING

NW British Columbia
NTS 104B/9W,E

January 1989 XY3

which makes up most of the western half of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin.

Regional mapping indicates that the property is underlain by a large embayment of Upper Triassic to Lower Jurassic strata exposed along the western edge of the Bowser Basin which Grove (1986), who completed the first mapping and compilation of the entire region, has termed the Stewart Complex. This Complex is bordered by the Coast Plutonic Complex to the west, the Bowser Basin to the east, Alice Arm to the south and the Iskut River to the north.

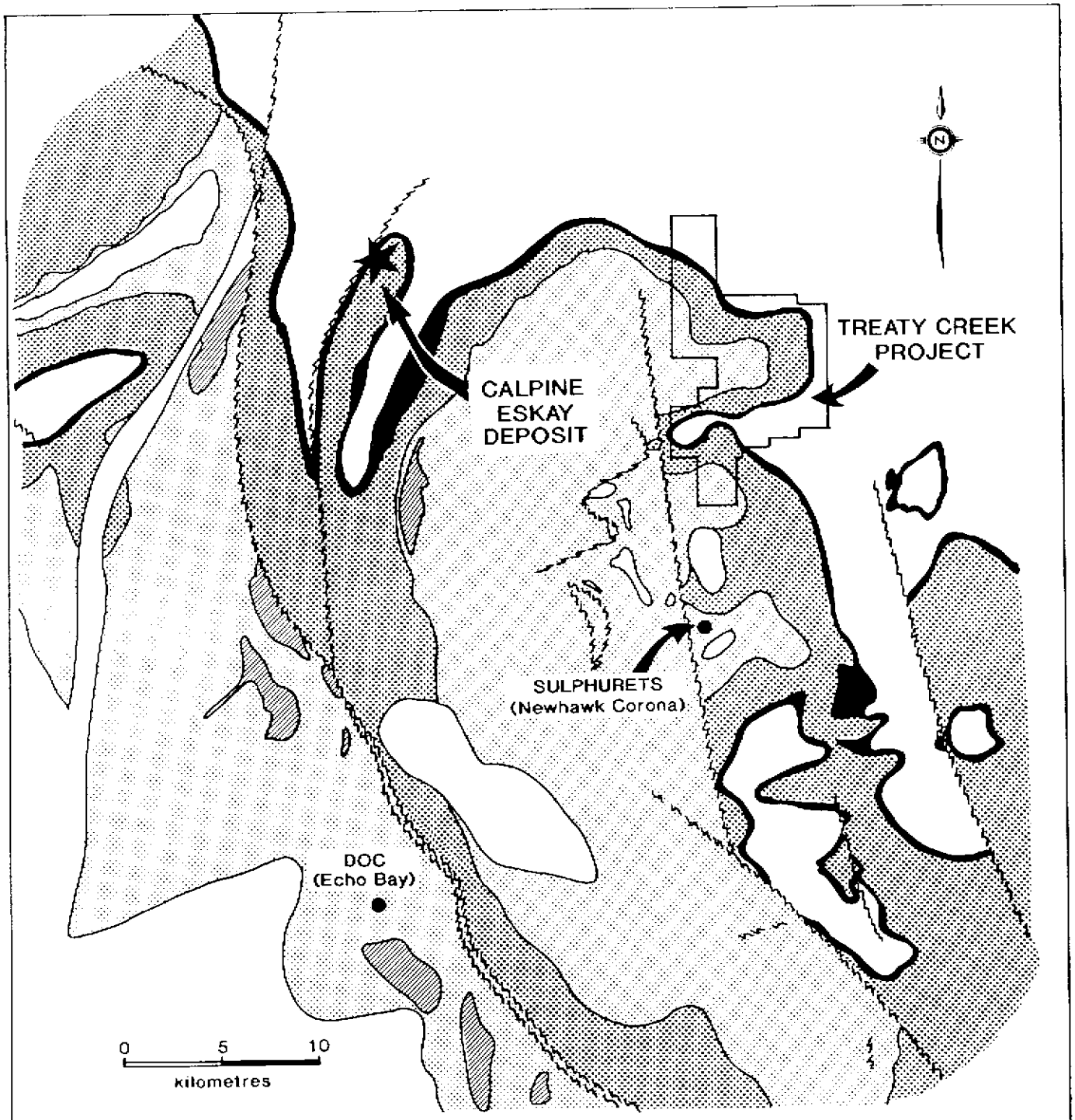
The Stewart Complex is well known as the setting for the Iskut, Sulphurets, Stewart, and Alice Arm (Kitsault) precious metal mining camps (Alldrick, 1989, p.233). The oldest units in the Stewart Complex are Upper Triassic epiclastic volcanics, marbles, sandstones, and siltstones. These are overlain by sedimentary and volcanic rocks of the Hazelton Group. However, precise nomenclature for early to Middle Mesozoic strata is still evolving and several workers have proposed differing subdivisions within the Hazelton Group (eg. Grove, 1986; Alldrick, 1989). Most generally the Group has been subdivided into the Lower Jurassic Unuk River and Betty Creek Formations, Middle Jurassic Salmon River Formation and the Upper Jurassic Nass Formation (Grove, 1986). Upper Jurassic sedimentary rocks were identified as the Nass Formation by Grove (Grove, 1986) and included by him in the Hazelton Group. More recently the Salmon River Formation has been included in the Middle Jurassic Spatzizi Group, underlying the late Middle Jurassic Ashman Formation which is considered part of the Bowser Group (Alldrick, 1989). Alldrick has studied the facies changes within the Stewart Complex, using an andesitic stratovolcano model to establish proximal, intermediate and distal members, which accumulated in

both subaerial and submarine environments, and added the Mt. Dilworth Formation between the Betty Creek and Salmon River Formations (Figure 4).

The Unuk River Formation consists predominantly of volcanic rocks and sediments which include lithic tuffs, pillow lavas with carbonate lenses, and some thin bedded siltstones. It forms an angular unconformity with the underlying Upper Triassic units. Betty Creek Formation rocks are characterized by bright red and green volcaniclastic agglomerates, with sporadic intercalated andesitic flows, pillow lavas, chert, and some carbonate lenses. These unconformably overlie the Unuk River Formation. The Mt. Dilworth Formation consists of dacitic to rhyolitic lapilli to ash tuffs and flows with argillaceous sediments. The Salmon River Formation is a thick assemblage of intensely folded colour banded siltstones and lithic wackes that form a conformable to disconformable contact with the underlying Betty Creek or Mt. Dilworth Formation. Weakly deformed dark coloured argillites and wackes of the Ashman Formation unconformably overlie the Salmon River Formation.

These volcanic and sedimentary successions were intruded by the Coast Plutonic Complex during the Cretaceous and Tertiary periods. A wide variety of intrusive phases is present including granodiorite, quartz monzonite, and diorite. Small satellite plugs from the larger batholiths can be important for localizing mineralization.

Major structural features of the Stewart Complex include the western boundary contact with the Coast Intrusive Complex. The northern boundary is at the Iskut River where extensive deformation has thrust Paleozoic strata south across Middle



Regional Geology from Alldrick, 1989

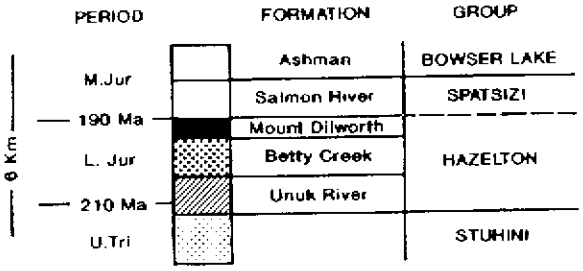


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Figure 4

TREATY CREEK PROJECT

REGIONAL GEOLOGY

British Columbia

NTS 104B/9W,E

January 1989 XY3

Jurassic and older units. Younger faulting has also occurred around the Iskut River. A line of Quaternary volcanic flows marks the southern limit of the complex and the Meziadin Hinge defines the eastern border.

The Stewart area has been mined actively since the early 1900's and is one of the most prolific mining districts in British Columbia (Grove, 1971). Mineralization in this camp has been classified into three categories: precious metal bearing fissure and replacement veins, massive sulphide deposits and gold-bearing porphyry copper deposits (Grove, 1986)

More recent exploration and development activity has focused on vein and fissure vein gold mineralization in the northern part of the Stewart Complex in the Iskut River-Sulphurets area where several new discoveries have been made. As summarized by Alldrick et al (1989):

> *"Country rocks are Upper Triassic to Lower Jurassic Hazelton Group andesitic pyroclastics and related sedimentary rocks. Characteristic ore minerals include electrum, native gold and silver, as well as silver sulphosalts. Base metals are present in recoverable amounts in some deposits. The ore deposits and alteration assemblages are typical of mesothermal to epithermal vein systems in island arc environments. Combined age dates from lead isotope studies indicate that the early Jurassic volcanic and intrusive host rocks and the mineralization are essentially coeval; they formed about 195 million years ago. This age is similar to deposits in the Stewart and Alice Arm mining camps to the south, and the Toodoggone camp to the east - all hosted in Hazelton Group Rocks.*
>
> *All original discoveries resulted from prospecting programs, although follow-up rock geochemistry surveys have identified additional mineral zones nearby and induced polarization surveys have successfully delineated high-sulphide areas within large alteration zones. Typical prospect evaluation involves initial sampling of blasted bedrock trenches*

followed by large-diameter diamond drilling. Regionally, the two mining camps stand out as strong geochemical anomalies in gold and silver, but associated or "pathfinder" elements differ between the camps: the Iskut area is anomalous in lead, zinc, copper, and cobalt; the Sulphurets area is anomalous in copper, arsenic, antimony, mercury, barium, and fluorine."

The Iskut-Sulphurets belt is at a relatively early stage of exploration as new surface showings continue to be found. Despite its frontier status, two new gold mines have begun production (Skyline Gold Corp.'s Johnny Mountain Mine and Catear Resources Ltd.'s Goldwedge) and two more properties are in advanced stages of underground development and in-fill drilling (Cominco Ltd./Prime Resources Corp.'s Snip deposit and Newhawk/Corona/Granduc's West Zone). Reserves of the four largest Au-Ag deposits are to date moderate in tonnage but impressive in grade. All are at least partly open along strike and to depth.

The Iskut area originally attracted interest at the turn of the century when prospectors, returning south from the Yukon goldfields searched for placer gold and staked bedrock gossans. In the 1970's the porphyry copper boom drew exploration into the area. The new era of gold exploration began with the 1979 option of the Sulphurets claim block by Esso Minerals Canada and the 1980 acquisition of the Mount Johnny claims by Skyline Explorations Ltd. Skyline commissioned its mill in July, 1988. Cominco Ltd. and Prime Resources Corp. are projected to announce a feasibility decision on the adjacent Snip deposit in early 1990. There has been limited production from Catear Resources Ltd.'s Goldwedge Zone where the mill was commissioned in June 1988.

Beyond these projects, and except for limited early placer gold recovery from some creeks, the area has had no mineral production history. Since 1979, more than 70 new mineral prospects have been identified, though ground acquisition was relatively slow until the fall of 1987 when the promising results of summer exploration programs became known and the provincial government announced the upcoming release of analytical results from a regional stream sediment survey. By April 1988, all open ground had been staked. More than 60 companies hold ground in the Iskut-Sulphurets belt but to date only small areas within this 40x80 kilometre district have received extensive exploration.

In the Sulphurets Creek camp, southwest of the Treaty Creek Project, near Brucejack Lake, the West Zone of Newhawk Gold Mines Ltd./Granduc Mines Ltd./Corona Corporation is reported to contain 854,072 tons grading 0.354 oz/ton gold and 22.94 oz/ton silver while the Snowfield Gold Zone and Sulphurets Lake Gold Zone are bulk tonnage low grade deposits containing 7.7 million tons of 0.075 oz/ton gold and 20 million tons of 0.08 oz/ton gold respectively (GCNL August 24, 1989). Catear Resources Ltd.'s Goldwedge Zone is reported to contain 140,437 tons of 0.827 oz/ton gold in a similar setting.

The Doc deposit, located to the southwest of the Treaty Creek Project, hosts 470,000 tons grading 0.27 oz/ton gold and 1.31 oz/ton silver, within a series of high grade but narrow quartz veins. Echo Bay Mines Ltd. has recently dropped its option on the property.

On the Snip property the Twin Zone, a 3 to 25 ft. thick discordant shear vein cuts a thickly bedded sequence of intensely carbonatized feldspathic wackes and

siltstones. Twin Zone reserves in all categories have been reported as 1,032,000 tons of 0.875 oz/ton gold (Prime Resources, 1989). This does not include additional reserves which may be developed outside the Twin Zone when mining begins. Twin Zone mineralization occurs in a banded shear zone comprising alternating bands of massive calcite, heavily disseminated to massive pyrite, crackle quartz and thin bands of biotite-chlorite.

At the Johnny Mountain deposit, reserves in all categories are estimated at 876,000 tons of 0.55 oz/ton gold and 1.00 oz/ton silver with copper, zinc, and lead (Northern Miner, Aug. 21, 1989). Five major areas of gold-bearing sulphide are known. The most important Stonehouse Zone consists of sulphide-potassium feldspar-quartz vein and stockwork systems which have been only partly explored.

The most recently discovered and perhaps the most exciting gold mineralization occurs on the Eskay Creek property, located 16 kilometres to the west of the Treaty Creek property. At the original 21 Zone discovery gold grading up to 0.73 oz/ton over 96.5 ft, occurs in several distinct lithologies in a 300 ft. wide fault zone at a contact between Lower Jurassic Mt. Dilworth Formation volcanics and sediments (Northern Miner, 1988 p.20; Calpine Resources Incorporated News Release January 6, 1989). More recent results have returned 0.875 oz/ton gold over 682.2 ft. (CA89-109), 91.8 ft. of 0.453 oz/ton gold and 16.91 oz/ton silver (CA89-93) and 55.8 ft of 0.867 oz/ton gold and 19.92 oz/ton silver (CA89-101 - Calpine news release, August 21, 1989). The 21 Zone has now been traced over a minimum strike length of 1300 m and remains open at depth and to the northeast.

The E & L deposit is also situated in the area west of the Treaty Creek property. This deposit was worked in the 1960's and early 1970's by trenching, drilling and 460 m of underground development, and has proven reserves of 3.2 million tons of 0.8% nickel and 0.6% copper (MEMPR, Minfile). Mineralization consisting of disseminated pyrrhotite, chalcopyrite with minor pentlandite, pyrite and bornite occurs in a small stock of altered coarse grained gabbro.

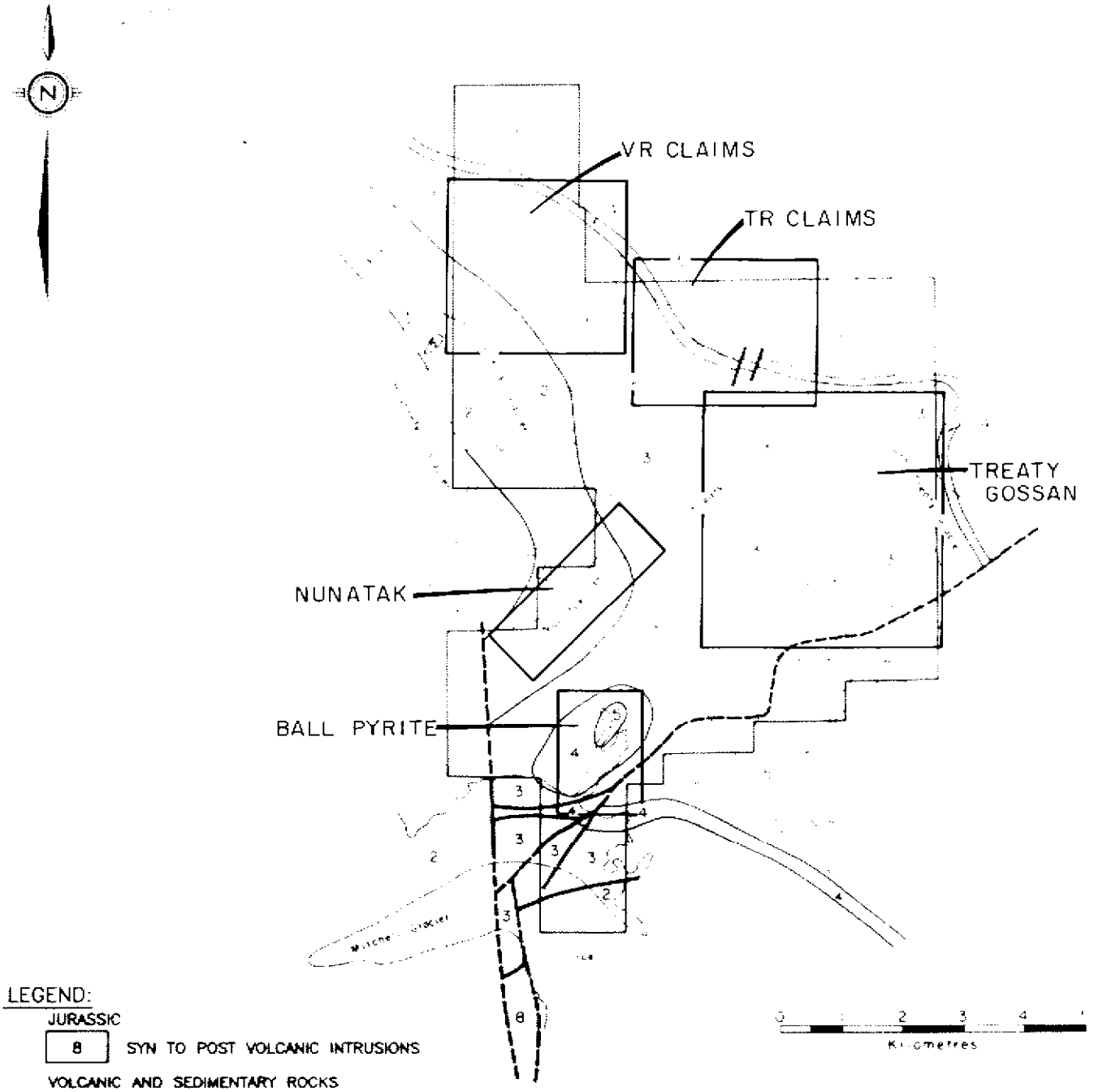
PROPERTY GEOLOGY

A detailed description of the property geology including individual showings is contained in the report by Chapman, Raven, and Walus (January 8, 1990). In summary the central core of the property is underlain largely by Lower Jurassic andesitic volcanics and clastic sediments of the Betty Creek Formation, part of the Hazelton Group. To the northeast of this core are dacitic to rhyolitic volcanics of the Mt. Dilworth Formation also of Lower Jurassic age. The Mt. Dilworth Formation is in turn overlain by sediments of the Middle Jurassic Salmon River Formation. Southwest of the central core, are andesitic volcanics of the Upper Unuk River Formation. The extreme southern end of the property comprises a complex fault block series of Mt. Dilworth, Betty Creek and Upper Unuk River Formations (Figure 5).

HISTORY AND PREVIOUS WORK

The following is a chronological summary of the work completed on the present day Treaty Creek property as compiled from available reports.

1929-1930 Prospectors Williams and Knipple were reported to have discovered gold and arsenic mineralization from two unknown locations in the area now covered by the TR claims. Consolidated Mining and Smelting



LEGEND:

JURASSIC

8 SYN TO POST VOLCANIC INTRUSIONS

VOLCANIC AND SEDIMENTARY ROCKS
TRIASSIC TO JURASSIC

MIDDLE JURASSIC SPATSIZI GROUP

5 SILTSTONE SEQUENCE
Salmon River Formation – sandstone, siltstone

LOWER JURASSIC HAZELTON GROUP

4 FELSIC VOLCANIC SEQUENCE
Mount Dilworth Formation – rhyolite to dacitic volcanics

3 PYROCLASTIC – EPICLASTIC SEQUENCE
Betty Creek Formation – pyroclastic volcanics and sediments

2 ANDESITE SEQUENCE
Upper Unuk River Formation – andesite sequence

1 LOWER SEDIMENTARY SEQUENCE
(Lower Unuk River Formation) – clastic sediments

SYMBOLS

GEOLOGIC CONTACT approximate

FAULT (defined, inferred)

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Figure 5

TREATY CREEK PROJECT

PROPERTY GEOLOGY AND INDEX MAP

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

Co. visited the 57 claim property, took samples but did not continue the option on the claims.

1950's — Several prospecting syndicates explored the Treaty Creek area.

1953 — Prospectors Williams and Knipple found a small silver bearing sulphide vein. In addition, several large float boulders containing tetrahedrite were found in the Treaty glacier; no source was located.

1966-1967 — In an attempt to promote interest in the Portand Canal-Iskut area of B.C., the government Department of Mines carried out a regional mapping program. The government geologists reported discontinuous lead zinc veins on the present day property. A magnetic anomaly was also discovered at the junction of the Treaty Creek and South Treaty glaciers.

1967-1980 — The claims were staked several times but were allowed to lapse with no recorded work.

1980-1981 — E & B Explorations optioned the claims from E. Kruchkowski and carried out a regional prospecting and geological mapping program. No significant mineral occurrences were discovered.

1984 — Teuton Resources Corp. acquired the claims and carried out a small program of prospecting and stream sediment sampling. One sample of a mineralized boulder returned a value of 5800 ppb Au. A silt sample taken at the junction of the Treaty Creek and South Treaty Glaciers contained 510 ppb Au.

1985 — Further mapping, prospecting and a heavy mineral stream sediment survey was carried out by Teuton Resources. One heavy metal silt sample from the western portion of the property returned a value of 4200 ppb Au. Native sulphur mineralization was discovered in a pyritic alteration zone.

1986 — Teuton carried out further rock geochemistry sampling which returned values as high as 925 and 990 ppb Au from the area southeast of the 1985 anomalous stream sample.

1987 — Teuton continued exploration with more rock and silt sampling. Rock samples as high as 28.0 oz/ton gold over 1.2 m enabled the company to expand to a detailed rock sampling, hand trenching and a 184.5 m drill program. Inclement weather limited the effectiveness of the detailed work and the program was prematurely shut down.

1988 — Teuton followed up the successful 1987 program with blasting, trenching and sampling of the known mineralized zones. A grid was placed over the main area of interest on which a magnetometer survey and geological mapping were conducted. Several reconnaissance rock and soil lines were put in to test areas southwest, northeast and east of the main area of interest.

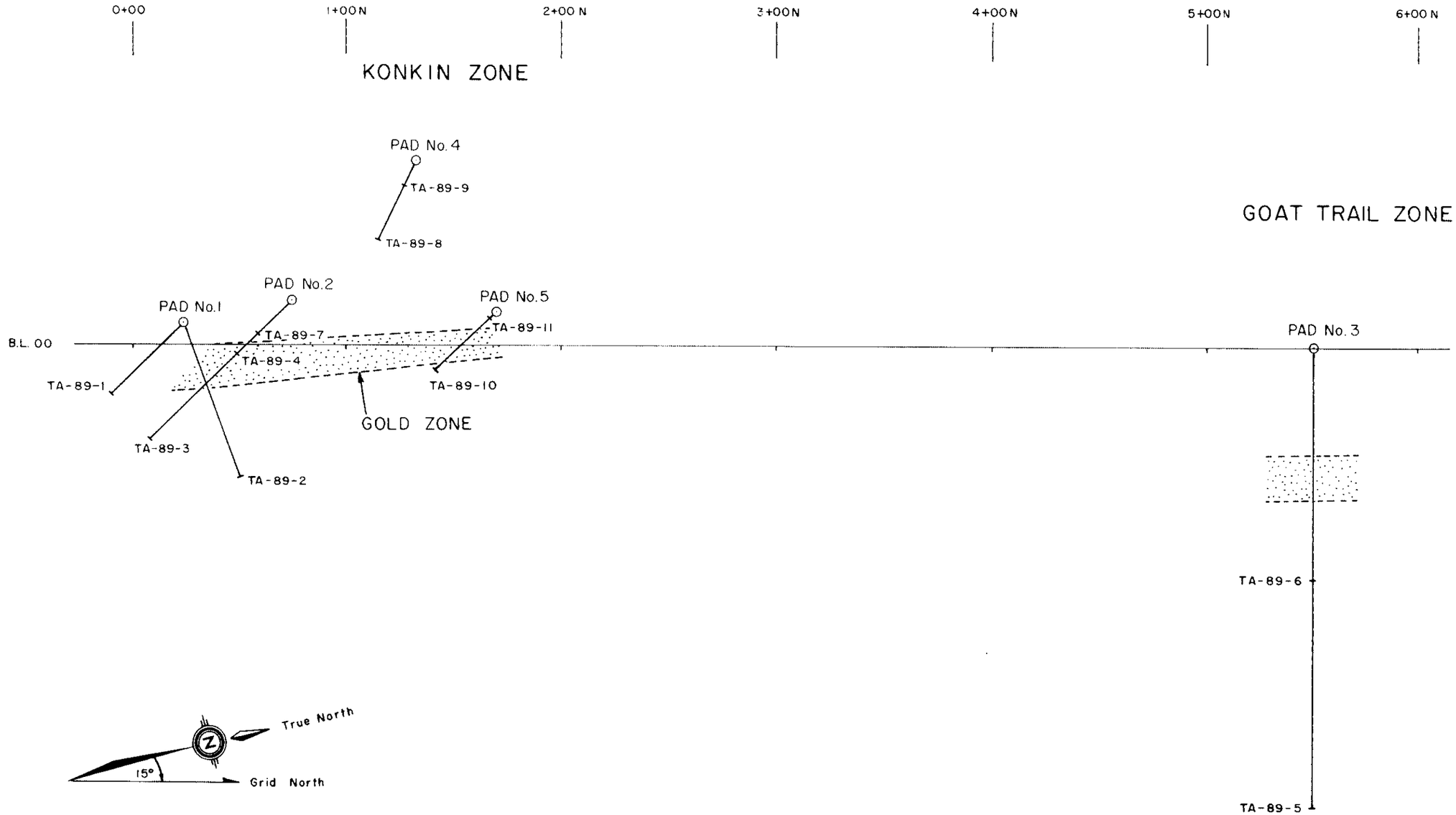

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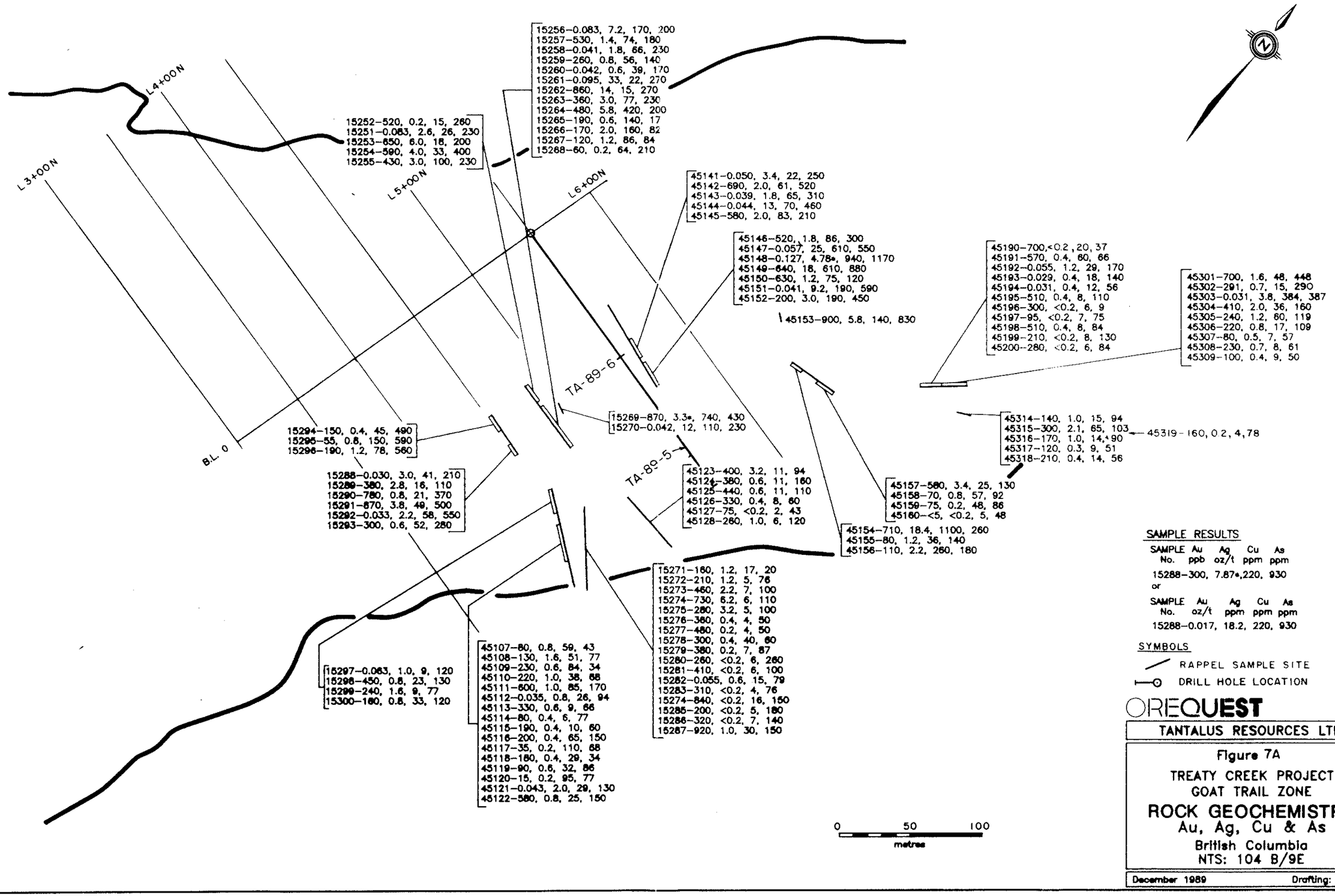
Figure 7

TREATY CREEK PROJECT
KONKIN & GOAT TRAIL ZONES

DRILL HOLES – PLAN VIEW

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR



SAMPLE RESULTS

SAMPLE No.	Au ppb	Ag oz/t	Cu ppm	As ppm
15288–300,	7.87*,	220,	930	

or

SAMPLE No.	Au oz/t	Ag ppm	Cu ppm	As ppm
15288–0.017,	18.2,	220,	930	

SYMBOLS

RAPPEL SAMPLE SITE

DRILL HOLE LOCATION

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Figure 7A

TREATY CREEK PROJECT
GOAT TRAIL ZONE

ROCK GEOCHEMISTRY
Au, Ag, Cu & As

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

DIAMOND DRILLING

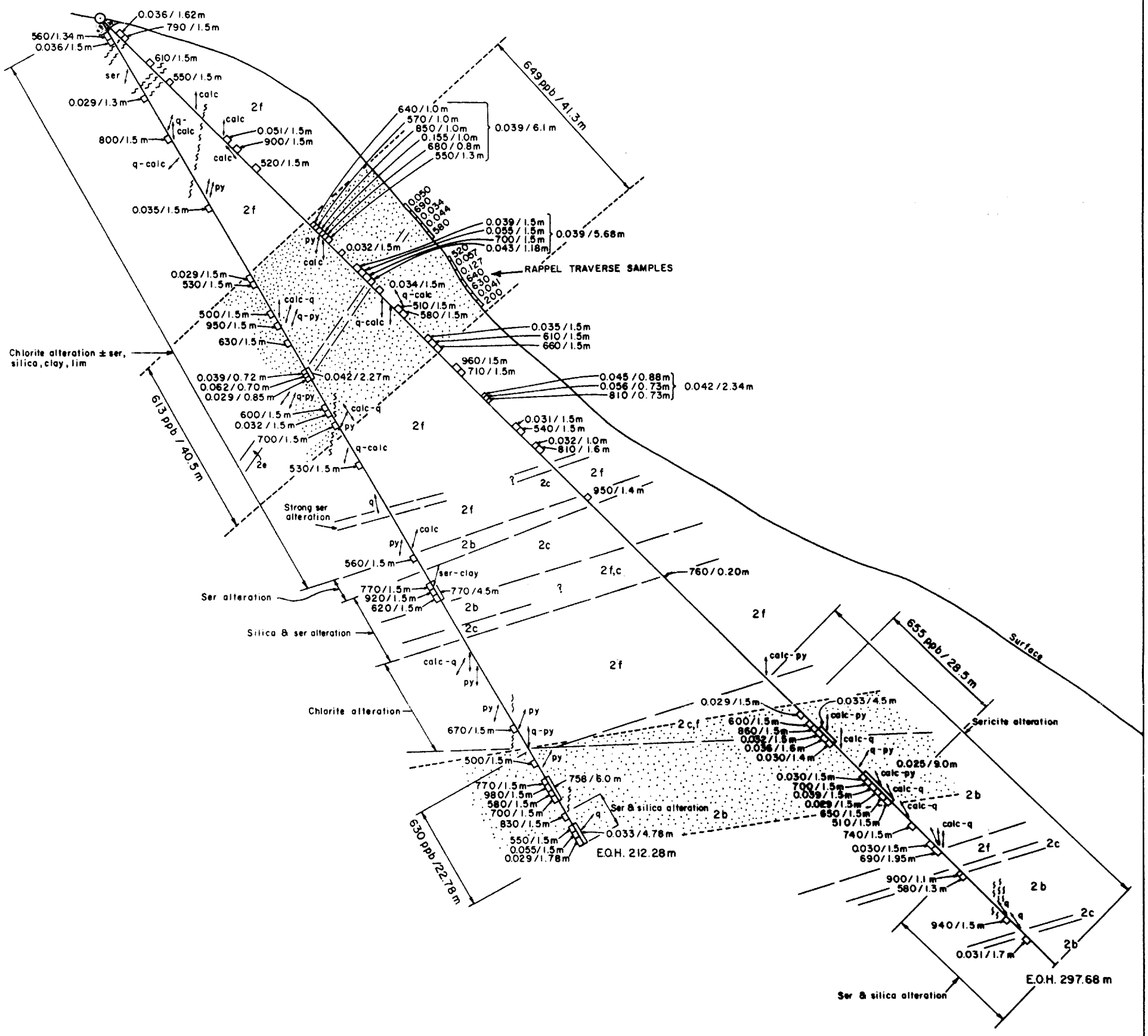
The second phase of drilling on the property began in late September approximately one month after the Phase I work program, which included drilling, was completed. The objectives of this second phase were two fold; to continue testing of the Konkin Zone and expand the area of known mineralization, and on the Goat Trail Zone to determine whether the anomalous results obtained on surface could be repeated at depth (Figure 6).

The program consisted of 7 holes totalling 800.92m with 509.96m in 2 holes on the Goat Trail Zone and 290.96m in 5 holes on the Konkin Zone. The drilling was carried out by Falcon Drilling Ltd. of Prince George, B.C. utilizing a portable fly drill of their own design, core size was BGM. The entire core for each hole was split with half sent to TSL Laboratories in Saskatoon, Saskatchewan for analyses and the other half stored on site at the old Teuton camp just below the Konkin Zone. Generally the assay interval was 1.5m with shorter intervals over the sulphide rich sections and some longer intervals, usually at fault zones, in areas of poor recovery. The core was analyzed for gold, silver, copper and arsenic.

Goat Trail Zone

The target on this zone was a section of quartz-sericite altered andesite lapilli tuff which contains quartz pods and stringers up to 5 cm wide hosting up to 5% disseminated cubic pyrite. On surface two zones were encountered, one 10 m wide and a lower section 11.6 m wide, along one of the rappel traverse (Figure 7, 7A). The latter interval was very strongly fractured and sheared with propylitic and limonite alteration and is believed to be part of a fault zone which trends 032°/58° northwest. Surface samples 45147 and 45148 assayed 0.057 and 0.127 oz/ton

LOOKING NORTH



SYMBOLS

- VEIN
- FAULT
- LITHOLOGIC CONTACT
- 590/0.5m — GOLD ASSAY (ppb) over INTERVAL (metres)
- 0.067/0.8m — GOLD ASSAY (oz/t) over INTERVAL (metres)
- OVERBURDEN

NOTE: ONLY GOLD VALUES OF ≥500 ppb ARE PLOTTED

LOW GRADE GOLD ZONE

LEGEND:

2a	CHLORITE–EPIDOTE–GOLD HORIZON
2b	DIORITE
2c	DACITE – tr – 5% py
2d	DACITE – 5 – 20% py
2e	DACITE >20% py
2f	ANDESITE LAPILLI–CRYSTAL TUFF – tr –5% py
2g	ANDESITE LAPILLI–CRYSTAL TUFF >5% py

ABBREVIATIONS

q	QUARTZ
feld	FELDSPAR
calc	CALCITE
carb	CARBONATE
ep	EPIDOTE
hem	HEMATITE
lim	LIMONITE
ser	SERICITE
cpy	CHALCOPYRITE
py	PYRITE

0 10 20 30 40 50
metres

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Figure 8

TREATY CREEK PROJECT
GOAT TRAIL ZONE

DRILL SECTION TA–89–5 & 6

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

gold and 25.0 ppm and 4.78 oz/ton silver over consecutive intervals of 1.0 m and 2.0 m respectively. The drill was set up atop a small knoll topographically above the rappel traverse containing the above samples.

Hole TA-89-5 (105°/-45°, Figure 7) was collared in andesite lapilli tuff and, with minor exceptions, remained in this unit to 150.60m. Sulphide content in the form of pyrite averaged 1-3% with local sections up to 7-10%. From 150.60 m to 227.10 m the dominant lithology is intercalated aphanitic andesite and dacite with 1-3% pyrite. Diorite with sericite and silica alteration is dominant from 227.10 m to the end of the hole at 297.68 m. Pyrite is the only sulphide present averaging 2-5% with local sections of 5-7%.

Anomalous gold mineralization is widespread throughout the hole though a trend was observed with the better results concentrated in the andesite lapilli tuff and the diorite with few anomalous results from the section of intercalated dacite and andesite.

Intersections of note in the andesite lapilli tuff are described below. From 64.90 m to 71.00 m, a section with 7-10% pyrite, assayed 1344 ppb (0.039 oz/ton) gold over 6.1m including 0.155 oz/ton gold over 1.0 m from 67.90 m to 68.90 m. The interval from 78.50 m to 84.18 m assayed 0.039 oz/ton gold over 5.68 m including 0.055 oz/ton gold over 1.5 m from 80.00 m to 81.50 m. Pyrite content in this section, averaged 1-3%, with the exception of 83.00 m to 84.18m where 30-40% massive and disseminated pyrite was intersected which assayed 0.043 oz/ton gold over 1.18 m. This corresponds to the upper rappel traverse zone sampled on surface which yielded 5 assays between 580 ppb and 0.050 oz/ton gold.

Sporadic anomalous assays (7 in total) ranging from 510 ppb gold to 0.035 oz/ton gold are located from 91.50 m to 105.0 m. These likely correspond to the lower rappel traverse zone from which sample #45148 assayed 0.127 oz/ton gold and 4.78 oz/ton silver over a 2.0 m chip. Down dip projections from surface measurements would place this surface sample at the 0.035 oz/ton gold (0.8 ppm silver) intersection from 100.50 m to 102.00 m.

Overall this zone from 63.7 m through 105.0 m returned an average grade of 649 ppb gold over 41.3 m. From 119.38 m to 120.84 m 30-40% massive and disseminated pyrite assayed 0.056 oz/ton and 810 ppb gold over two consecutive 0.73 m lengths. The interval directly above this zone assayed 0.045 oz/ton gold over 0.88 m and when included as a weighed average with the sulphide zone gives 0.042 oz/ton gold over 2.34 m. Alteration in the andesite lapilli-tuff is dominated by chlorite which is pervasive throughout the unit. Lesser amounts of sericite, silica, clay, and limonite were also observed. Generally speaking the high gold values are associated with sericite alteration which is present either within the anomalous intervals or proximal to them.

Below the sulphide zone sporadic gold values are present, in the 100's of ppb's down to the lower contact of the intercalated andesite/dacite unit at 227.1 m.

Anomalous gold intersections in the diorite from a discrete zone at the upper contact, with isolated anomalies ranging from 580 ppb to 0.031 oz/ton gold below this level. A 28.5 m interval from 218.0 m to 246.5 m returned an average value of 655 ppb gold. Within this zone are two intervals, the upper of which occurs at

221.00 m to 228.50 m and assayed 0.028 oz/ton gold over 7.5 m including 0.033 oz/ton gold over 4.5 m at the contact between the diorite and the overlying unit. Disseminated pyrite, varied between 1-3%, with only minor calcite-pyrite veining, the better assays were derived from the more strongly sheared and broken core.

The second zone, from 237.50 m to 246.50 m assayed 0.025 oz/ton gold over 9.0 m including 0.034 oz/ton gold over 3.0 m at the centre of the zone. Sulphide content as disseminated pyrite averaged 3-5%. Only minor quartz-pyrite, quartz-calcite and calcite-pyrite veins were noted as possible sources of gold enrichment in otherwise fairly competent core. Alteration in the diorite is predominantly weak pervasive sericitization with local silicification. The silicification becomes more notable below 268.70 m.

Hole TA-89-6 (105°/-60°, Figure 7), as in TA-89-5, was collared in andesite lapilli tuff and remained in this unit to 137.90 m. Disseminated pyrite averages 1-5% with one exception from 90.28 m to 92.55 m where 30-40% massive pyrite was intersected. From 137.90 m to 188.00 m consisted of intercalated diorite, dacite, rhyolite? and andesite. Sulphides occur as disseminated pyrite from trace to 3%. Light grey medium grained chlorite-sericite-silica altered diorite occurs from 188.00 m to the end of the hole at 212.28 m.

Anomalous gold mineralization, as in hole TA-89-5 is confined largely to the andesite lapilli tuff and the diorite. One exception is a 4.5 m wide section of aphanitic dacite, a unit that contained no anomalous gold values in TA-89-5 but assayed 770 ppb gold from 145.00 m to 149.50 m in hole TA-89-6.

Intersections of note in the andesite lapilli tuff are described below. A total of five isolated gold anomalies ranging from 530 ppb to 0.036 oz/ton gold were encountered between 3.66 m and 66.00 m. The interval from 66.0 m to 106.5 m correlates with the surface rappel traverses and the 41.3 m of 649 ppb gold in hole TA-89-5. From 90.28 m to 92.55 m the tuff contains 30-40% massive pyrite in a rock completely altered to quartz-sericite schist. This section assayed 0.042 oz/ton gold and 16.7 ppm silver over 2.27 m including 0.062 oz/ton gold over 0.70 m.

Results of the two holes and the surface sampling indicates a 30° to 45° west dipping mineralized horizon up to 40 m thick. As in hole TA-89-5 sporadic lower gold values occur down to the intercalated diorite, dacite, rhyolite?, andesite contact. The alteration assemblage is similar to that seen in hole TA-89-5 however pervasive chloritization is dominant throughout the andesite lapilli tuff. More localized are silica, sericite, clay, and limonite alteration with higher gold values again associated with the sericitization.

A section of highly fractured aphanitic dacite exhibiting moderate silicification and sericitization with 2-3% disseminated pyrite assayed 770 ppb gold over 4.5 m from 145.00 m to 149.50 m. This is the only intersection of significance in the interval of intercalated lithologies.

In hole TA-89-6 anomalous gold intersections in the diorite occur throughout the interval producing an average grade of 630 ppb gold over 22.78 m. The anomalous values start at the contact with the overlying aphanitic andesite and continue to the end of the hole at 212.28 m. The highest results obtained in this section occur at the base of the hole with the last two intervals assaying 0.055

oz/ton and 0.029 oz/ton gold respectively. Chloritization is pervasive however sericitization and silicification are patchy with the intensity of silicification increasing with depth. The pyrite content is low with only 1-2% present as disseminated crystals.

Unfortunately this hole ended in the mineralized zone. At the time of drilling it was believed the hole had gone far enough to have intersected the rappel traverse quartz-sericite-pyrite alteration zone. The assays from the diorite in hole TA-89-5 were not known and it was not assumed from visual evidence that the diorite would contain anomalous gold values. Linking the mineralized zones in the upper portion of the diorite unit produces a relatively flat lying horizon, 15-20°, which is approximately 25 m thick. In light of the information now available any further drilling on the Goat Trail Zone should extend well into or through this diorite unit to expand on the mineralization currently outlined.

Konkin Zone

The target of interest on this zone was the chlorite-epidote-gold bearing horizons outlined on surface from work done in 1987/88 by Teuton and from the 1989 Phase I program. Phase II drilling was carried out as a follow up to the four holes completed during the Phase I program in an attempt to expand the zone at depth and along strike.

Hole TA-89-7 (151°/-80°, Figure 8) was collared at the same site as holes TA-89-3 and 4. The hole was collared in diorite which continued to a depth of 19.20 m. Only a trace of disseminated pyrite was evident in the diorite. From 19.20 m

LOOKING SOUTHWEST

TA-89-3
(Az 151°, -45°)
Elev 1555m

TA-89-4
(Az 151°, -60°)
Elev 1555 m

NORTHERN CHLORITE-EPIDOTE GOLD HORIZON

TR-88-4

TR-89-36

0.051/1.06 m
0.069/1.0m
0.240/1.0m
0.260/0.8 m
0.036/1.29 m
0.249/1.8m
0.138/4.09m
0.0034/246m
0.133/059m
0.053/305m
0.127/1.5m
510/1.5m
310 ppb / 38 m
660/1.0m
990/1.0 m
790/1.0m
930/1.0 m
0.049/1.0 m
0.081/0.8 m
0.043/3.8m
615/2.0m
530/1.0m
700/1.0m
728 ppb / 22.1 m
680/15m
0.069/13m
E.O.H. 69.84m
720/1.5 m
818/5.4 m
0.041/1.10m
540/1.10m
880/1.10m
600/1.10m
650/1.00 m
760/1.5 m
560/1.5 m
740/1.5 m
687/4.5 m
560/1.5m
414 ppb / 48.2 m
730/1.5 m
530/1.5 m
530/1.10m
0.110/0.22 m
0.036/1.0m
0.046/1.0m
640/0.94 m
0.059/1.06m
0.041/4.0m
0.038/0.20m
E.O.H. 129.62m

calc
ep
2b
calc-hem
ep-hem
CHLORITE ALTERATION ± carb, ep, hem
calc-ep-hem
2f
2a
py
2d
2c
2e
2d,e
calc-py
lim-clays
CHLORITE ALTERATION ± SILICA and PINKISH K-FELDSPAR ALTERATION
CHLORITE, ep, silica, ser ALTERATION
CHLORITE ALTERATION ± carb, ep, silica, hem
py-q
ser-py
2d andesite
SILICA ALTERATION ± ser, chlorite, hem, ep, lim
q-ep
2c,f
carb, ser, hem alteration

TA-89-7
(Az. 151°, -80°)
E.O.H. 123.52 m

LEGEND:

2a	CHLORITE-EPIDOTE-GOLD HORIZON
2b	DIORITE
2c	DACITE – tr – 5% py
2d	DACITE – 5 – 20% py
2e	DACITE >20% py
2f	ANDESITE LAPILLI-CRYSTAL TUFF – tr –5% py
2g	ANDESITE LAPILLI-CRYSTAL TUFF >5% py

SYMBOLS

- VEIN
- FAULT
- LITHOLOGIC CONTACT
- 590/0.5m — GOLD ASSAY (ppb) over INTERVAL (metres)
- 0.067/0.8m — GOLD ASSAY (oz/t) over INTERVAL (metres)
- OVERBURDEN

NOTE ONLY GOLD VALUES OF ≥500 ppb ARE PLOTTED

ABBREVIATIONS

q	QUARTZ
feld	FELDSPAR
calc	CALCITE
carb	CARBONATE
ep	EPIDOTE
hem	HEMATITE
lim	LIMONITE
ser	SERICITE
cpy	CHALCOPYRITE
py	PYRITE

LOW GRADE GOLD ZONE

0 5 10
metres

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Figure 9

TREATY CREEK PROJECT
KONKIN ZONE

DRILL SECTION TA-89-3,4 & 7

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

to 39.04 m is a strongly chloritized andesite tuff that contains few calcite and quartz veins and trace to 2% disseminated pyrite.

Alteration throughout both units is dominated by chloritization. The diorite also contained some carbonate, epidote and hematite stringer veins. Additional alteration of note in the andesite lapilli tuff is weak to moderate silicification and a faint pinkish stain, possibly a potassic feldspar alteration.

From 39.04 m to 44.24 m the chlorite-epidote-gold horizon ("skarn" zone, as described by others) was encountered. Pyrite ranged from 5-40% as disseminations, massive sections, and 1-2 mm wide stringers generally at 40° to 60° to the core axis. Alteration includes chlorite, epidote, silica and local sericite. From 44.24 m to 55.00 m massive andesite and andesite tuff contain disseminated pyrite from trace to 2% with the interval directly below the chlorite-epidote-gold horizon containing 3-5% pyrite. From 55.00 m to 103.20 m is a dacitic feldspar porphyry which contains 1-5% pyrite as disseminations and stringer veins. Within this dacite is a sulphide rich zone from 63.10 m to 68.50 m containing 7-10% pyrite as disseminations and stringer veins. Alteration of the dacitic feldspar porphyry is dominated by pervasive silicification. Sericite, chlorite, hematite, epidote and limonite are present to a lesser extent usually as small veins or fracture coatings. The remainder of the hole, from 103.20 m to 123.52 m is composed of intermixed dacite and andesite pyroclastics with trace to 3% disseminated pyrite.

Mineralized intercepts of note are discussed below. From 26.50 m to 28.00 m a 1.5 m long interval assayed 0.127 oz/ton gold. This relates to the 0.133 oz/ton gold over 0.59 m in hole TA-89-4 from a highly fractured section of andesite

containing occasional 1 mm wide pyrite veins. These anomalous intersections do not appear to line up with those obtained in hole TA-89-3 but intense faulting was noted in this area in all three holes and may have resulted in some displacement.

The chlorite-epidote-gold horizon itself contained only two elevated gold assays averaging 615 ppb gold over 2.0 m at 41.00 m to 43.00 m. Better results were obtained from the underlying dacitic sulphide zone, 63.10 m to 68.50 m, which assayed 818 ppb gold over 5.0 m including 0.041 oz/ton gold over 1.10 m. A few metres below this zone, a section of dacitic material assayed 687 ppb gold over 4.5 m from 71.50 to 76.00 m. Below this a few isolated gold anomalies of 530 to 730 ppb are encountered down to 101.10 m.

A section of 40-50% massive pyrite from 101.10 m to 101.32 m assayed 0.110 oz/ton gold over 0.22 m. Comparison of this intersection with similar intervals in holes TA-89-3 and 4 show that they may all be related to a steeply northwest dipping structure. In each case a zone of massive pyrite occurs in the hanging wall of a fracture system. Assay values are highest in hole TA-89-3 near surface however the pyrite lens is thickening with depth. There are no gold assays over 500 ppb below this small band of massive pyrite. The entire dacitic unit from 55.00 m to 103.20 m assayed 414 ppb gold over 48.2 m.

Another interpretation of the mineralization could combine the wide low grade horizons from all three holes into a steeply (55°) dipping zone approximately 35 m thick which would incorporate the surface exposures of the chlorite-epidote-gold horizons.

MOSTLY ANDESITE LAPILLI–TUFF WITH MINOR AMOUNTS OF OTHER LITHOLOGIES.
VERY POOR RECOVERY THROUGHOUT BOTH HOLES AVERAGING 10–20%.
RECOVERY IS MOSTLY OF RUBBLE AND ROCK CHIPS (OFTEN ROUNDED).
HOLES ARE BELIEVED TO HAVE BEEN DRILLED IN A LARGE TALUS SLOPE AND
NEVER ACTUALLY REACHED COMPETENT ROCK.BOTH HOLES WERE ABANDONED.

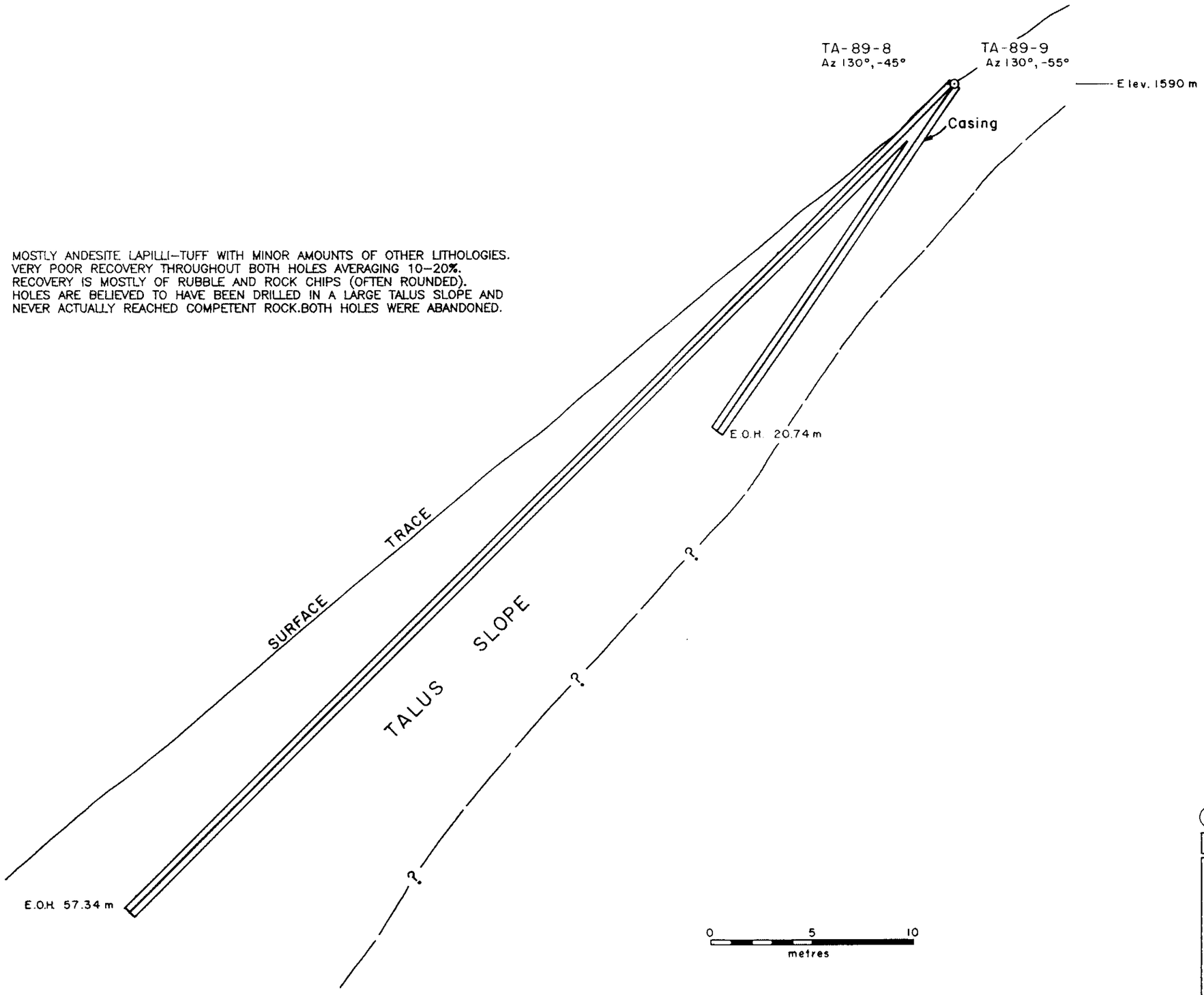

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Figure 10

TREATY CREEK PROJECT
KONKIN ZONE

DRILL SECTION TA–89–8 & 9

British Columbia
NTS: 104 B/9E

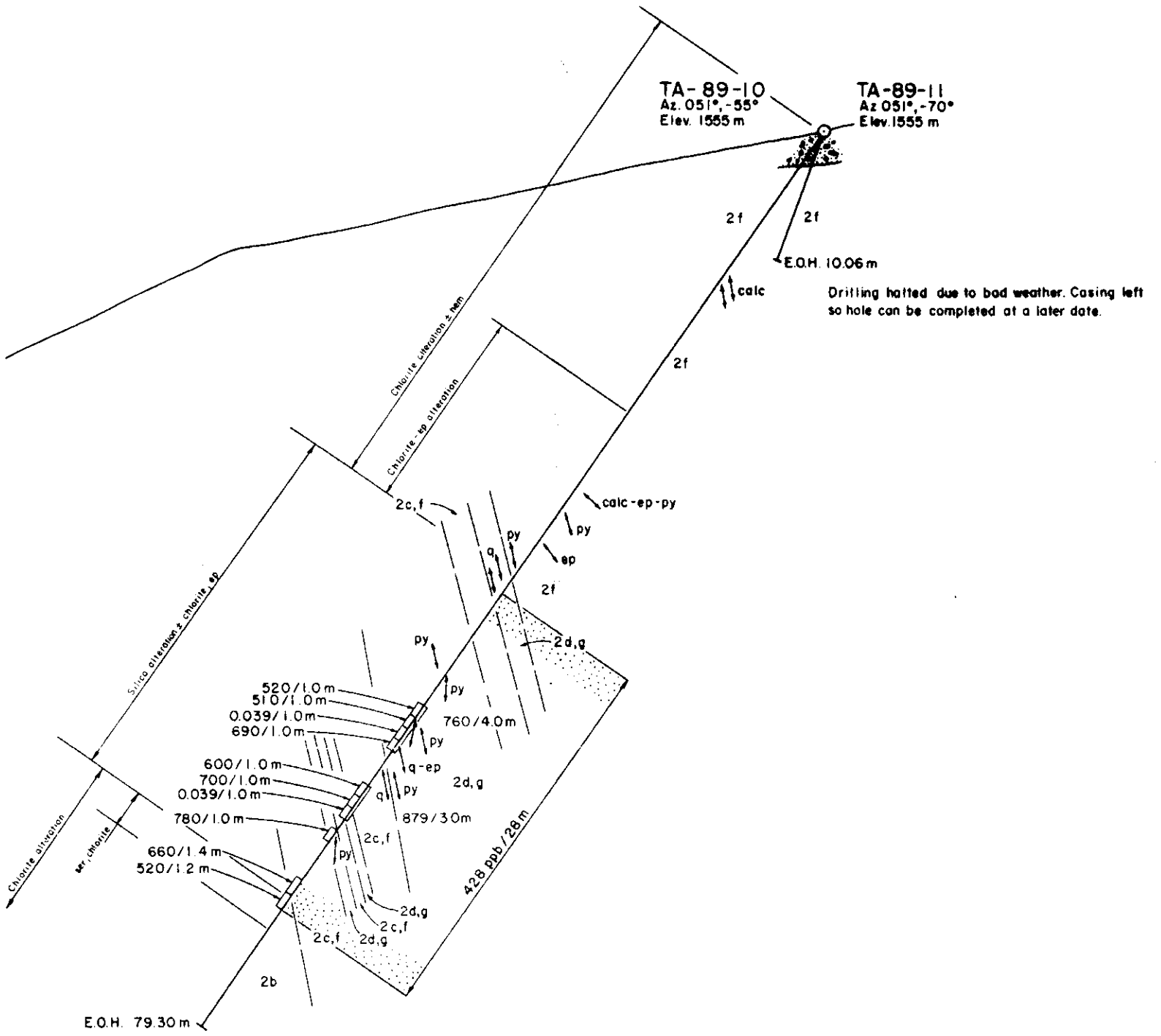
December 1989 Drafting: RWR

Holes TA-89-8 (130°/-45°) and TA-89-9 (130°/-55°, Figure 9) were collared to test the Konkin Zone as a 50 m stepout from holes TA-89-3, 4 and 7. Difficulties were encountered in establishing the pad where planned so the site had to be relocated up slope due to slope angle and coarse talus. It is believed that the holes intersected talus throughout their length which consisted of andesite-lapilli tuff with other minor intermixed lithologies. Recovery was very poor, averaging 10-20% rubble and rock chips. TA-89-8 was drilled to a depth of 57.34 m with all the core contained in only three core boxes. Hole TA-89-9 was abandoned when it appeared to be undergoing the same problem as TA-89-8.

Hole TA-89-10 (151°/-55°, Figure 10) was the second stepout hole on the Konkin Zone an additional 50 m from the site of TA-89-8 and 9. The hole was collared in andesite and andesite lapilli tuff which was intersected down to 39.80 m. Disseminated pyrite and minor stringer veins averaged trace to 3% with local sections of up to 5%. Underlying the andesites is a feldspar porphyritic dacite and andesite with elevated pyrite content from 39.80 m to 67.80 m. Pyrite averages 3-5% with local sections of 7-10% in the form of disseminations and stringer veins. Diorite occupies the bottom of the hole from 67.80 m to 79.30 m. Pyrite occurs as disseminated grains generally in trace quantities but locally up to 3% within the diorite. The chlorite-epidote-gold horizon was not intersected.

Alteration in the andesite lapilli tuff is largely chlorite with epidote becoming more abundant approaching the sulphide zone. Pyrite content increases in the epidote altered sections. Hematite is present as small disseminated blebs and is quite common on fracture surfaces. Weak to moderate silicification is found throughout the sulphide zone with lesser chloritization and epidotization. The top

LOOKING SOUTHWEST



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LOW GRADE GOLD ZONE

LEGEND:

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2g	ANDESITE LAPILLI–CRYSTAL TUFF >5% py

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cpy	CHALCOPYRITE
py	PYRITE

0 5 10
metres

OREQUEST

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Figure 11

TREATY CREEK PROJECT
KONKIN ZONE

DRILL SECTION TA–89–10 & 11

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

of the diorite is substantially chloritized and sericitized decreasing to just chloritization of mafic minerals with increasing depth.

No assays over 500 ppb gold were obtained until deeper in the hole. From 51.00 m to 55.00 m assayed 764 ppb gold over 4.0 m including 0.039 oz/ton gold over 1.0 m from 53.00 m to 54.00 m. Sulphide content is elevated relative to the sulphide zone as a whole in this section. From 58.00 m to 61.00 m is a section which assayed 879 ppb gold over 3.0 m including 0.039 oz/ton gold over 1.0 m from 60.00 m to 61.00 m. One metre below this zone is an isolated anomaly of 780 ppb gold and 12.0 ppm silver. The remaining anomalous gold values occur at the andesite-diorite contact returning 660 ppb gold over 1.40 m in andesite and 520 ppb gold over 1.20 m in diorite. All but one of the gold assays over 500 ppb lie within the sulphide zone. The entire sulphide zone from 39.80 m to 67.80 m at the diorite contact assayed 428 ppb gold over 28.0 m.

Hole TA-89-11 (151°/-70°) was collared at the same site as TA-89-10 to test the mineralization in TA-89-10 at depth. The hole was abandoned after drilling only 10.06 m as increasingly bad weather forced an early end to the drill program. The casing was left in the hole so that it may be completed during the next program.

Discussion

Drilling completed during this Phase II program focused on extending the chlorite-epidote-gold horizons of the Konkin Zone both at depth and along strike and testing the anomalous gold values received from the Goat Trail Zone rappel traverses.

Drilling on the Konkin Zone during the Phase I program indicated that the gold bearing horizons may not be as thick or continuous as indicated by surface mapping. Results of the Phase II program confirm this with only one hole intersecting the gold bearing horizon, TA-89-7, from the same site as TA-89-3, 4. This hole encountered 0.127 oz/ton gold over 1.5 m in a strongly sheared andesite. Other anomalous results were obtained from a sulphide rich dacitic zone lower in the hole which although of lower grade was significantly longer. The entire sulphide bearing dacite zone assayed 414 ppb gold over 48.2 m from 55.00 m to 103.20 m.

The step out holes were unsuccessful in extending the strike length of the high grade chlorite-epidote-gold horizons. Two step outs were planned at 50 m intervals to the north from the site of holes TA-89-3, 4 and 7. Drilling problems were encountered at the first site due to excessive depths of talus with neither hole encountering bedrock, before being abandoned. This area will require drilling to determine whether or not the horizons can be extended.

At the second site 100 m north of TA-89-3, 4 and 7 hole TA-89-10 was successfully completed while TA-89-11 was abandoned due to severe weather problems. Although TA-89-10 did not intersect the chlorite-epidote-gold horizon it did encounter a 28.0 m long sulphide zone in intercalated andesite and dacite which yielded assays of up to 0.039 oz/ton gold over 1.0 m, the zone as a whole assayed 428 ppb gold.

When comparing these wider low grade intersections it is apparent that they form a regular band, approximately 35 m wide, which if extended to surface would incorporate both mapped chlorite-epidote-gold horizons. Drill hole TA-89-4 was not

long enough to fully penetrate the interval however it did exhibit anomalous results to the bottom of the hole, 728 ppb over 22.1 m. Lithologic control for this mineralization with the exception of TA-89-3 appears to be the dacitic horizon associated with zones of sericitization, silicification and elevated pyrite content. A similar wide low grade zone, 428 ppb gold over 28 m, was intersected in TA-89-10 again within the dacite horizon.

Extrapolating between holes, TA-89-3, 4, 7, and TA-89-10 produces a north northeast trending, west dipping zone 110 m long. This was also intersected in TA-89-2 where the dacite horizon returned 253 ppb over 30 m. The higher grade intervals within this sequence are not easily correlatable and are probably related to more localized features such as ground preparation or host rock geochemistry.

A subvertical fracture system may be responsible for the better intersections in hole TA-89-3, 4 and 7. Each intersection occurs in the hanging wall of a pyrite bearing fracture zone with the thickness of the massive pyrite vein appearing to increase in the steeper holes at greater depth. Accurate measurements of the pyrite veins to core angle were not possible due to the fractured nature of the core, however the bulk of the faulting and fracturing where measurable appears to be subvertical.

A similar situation exists with the upper intersections which assayed over 0.1 oz/ton gold. In holes TA-89-4 and 7 they occur in the hanging wall of an extensive shear zone.

Sulphide mineralization is represented exclusively by pyrite occurring predominantly as disseminated crystals up to 2-3 mm in size, less commonly in the form of blebs and patches and sporadically as small veins and pods. Pyrite was also a component of quartz and quartz-calcite veins. Pyrite bearing veins occur at various angles to the core axis but most commonly show a steep to subvertical dip. Alteration encountered in these drill holes includes chloritization, sericitization, silicification and local argillic alteration.

Gold does not appear to be restricted to any specific rock type, although the dacite is more consistently anomalous, nor do the mapped faults exert any obvious structural control over its distribution. Faulting is important however for creating the extensive fracture patterns which provide ground preparation and act as a conduit for subsequent hydrothermal systems.

Gold deposition is partially connected with the processes of pervasive sericitization, silicification and chloritization, reflecting hydrothermal activity, during which disseminated gold bearing pyrite was deposited. Additional gold was introduced along with pyrite, calcite-pyrite, and quartz-calcite-pyrite veins however these are volumetrically small and generally not of exceptionally high grade.

Two holes were drilled on the Goat Trail Zone to test anomalous results obtained at surface from an 11.6 m wide quartz-sericite-pyrite alteration zone which was chip sampled during the course of a rappel traverse.

As in the drilling on the Konkin Zone wide intersections of low grade gold values were intersected in holes TA-89-5 and 6 with narrower intervals of higher grade material, up to .155 oz/t over 1.0 m, scattered throughout. These form two discrete horizons the upper of which occurs in the andesite lapilli tuffs and correlates with the surface samples collected on the rappel traverse. This delineates a 40° west dipping zone approximately 40 m thick averaging 649 ppb gold in TA-89-5 and 613 ppb gold in TA-89-6. A second horizon occurs within the diorite unit at its upper contact with the intercalated andesite, dacite unit. Results from holes TA-89-5 and 6 averaged 655 ppb and 630 ppb gold over 28.5 m and 22.78 m respectively from a flat lying, 10-20° west dipping, horizon approximately 20 m thick. Again local higher grade intervals are present with up to 0.055 oz/t gold over 1.5 m.

In the Goat Trail Zone the mineralization shows a greater correlation with the observed trends of the geology in that it occurs subparallel to the dip of the units. Controls over the mineralization appear to be similar to those at the Konkin zone in the area of stronger sericite and silica alteration contain the better gold values.

CONCLUSIONS AND RECOMMENDATIONS

The drilling portion of the Phase II program on the Treaty Creek Project of Tantalus Resources Ltd. was terminated early due to inclement weather conditions. A total of 7 holes totalling 800.92 m were completed with 509.96 m in two holes on the Goat Trail Zone and 290.96 m in five holes on the Konkin Zone. When combined with the Phase I program a total of 11 holes totalling 1182.75 m were completed on the Treaty Creek Project.

Drilling on the Konkin Zone has met with limited success. The first hole completed, TA-89-7, from the same site as holes TA-89-3 and 4 intersected the chlorite-epidote-gold horizon though with only weakly anomalous gold assays. The best assay of the hole, 0.127 oz/ton gold over 1.5 m was derived from an intensely sheared andesite zone above the horizon. The wide interval of low grade gold values noted in holes TA-89-3 and 4 was encountered however which indicates that the mineralizing event continues at depth.

The first 50 m step out from holes TA-89-3, 4 and 7 was the site of drilling problems with both holes intersecting only talus material. This site was abandoned and a further 50 m step out was undertaken. One hole at the step out, TA-89-10 was successfully completed, it did not intersect the chlorite-epidote-gold horizon but did encounter a 28.0 m long sulphide zone with assays of up to 0.039 oz/ton gold over 1.0 m. The entire sulphide zone assayed 428 ppb gold over 28.0 m. The last hole at this set up was abandoned due to severe weather conditions though the casing was left in the hole so it may be completed at a later date.

Mineralization at the Konkin Zone as encountered in holes TA-89-3, 4, 7 and 10 delineates a broad north northeast trending zone of pervasive but variable sericitization, silicification, chloritization and epidotization containing widespread low grade (310-428 ppb) gold values. Within this zone are localized areas of higher grade material (0.260, 0.240, 0.110 oz/t gold). As defined by the current drilling the zone is 110 m along strike and approximately 30 m thick, dipping at 45° to 55° to the west. It is hosted by a dacitic unit in all by hole TA-89-3 which occurs in the overlying andesite lapilli tuff.

Two holes were completed on the Goat Trail Zone from the same set up with both holes intersecting a broad zone of anomalous gold in the upper third (andesite lapilli tuff) and lower third (diorite) of each hole. These intersections of anomalous gold include 649 ppb gold over 41.3 m in TA-89-5 and 613 ppb gold over 40.5 m in the corresponding interval in TA-89-6. The alteration zone sampled on surface lies within this broad mineralized horizon. The lower mineralized horizon forms a relatively flat lying, 10°-20°, zone predominantly within the diorite at its upper contact with the intercalated unit. Grades of 655 ppb and 630 ppb gold were received over 28.5 m and 22.78 m intervals in holes TA-89-5 and 6 respectively. In the diorite the mineralization appears to be related to the degree of sericitization and silicification.

Although ore grade intersections are scarce within the areas drilled there are extensive zones of highly anomalous gold values as noted previously. These are indicative of a large and widespread mineralizing event, as outlined on surface by the nunatak scale alteration zone. The spectacular gold values obtained from the Konkin Gold Pit indicate that, locally at least, conditions are conducive to the formation of economic grades. Additional drilling will be required to further define the controls on the mineralizing event and the depositional characteristics of the host rocks as well as expanding the strike length and down dip extension of both the Konkin and Goat Trail Zones. In addition the projected zone of intersection of the two mineralized horizons in the Goat Trail area should be evaluated by drilling.

Additional drilling is required to adequately test the extensive mineralized alteration zone partially outlined on the nunatak. In addition further surface

work is necessary to define the source and distribution of gold mineralization on the Treaty Gossan and other showings defined by the Phase I work program. Costs of this work are estimated at $325,000.

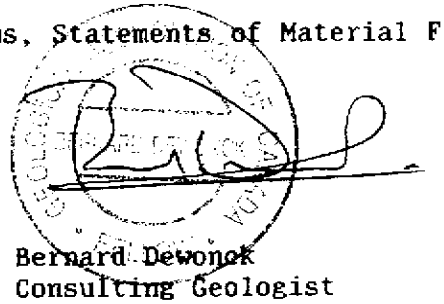
STATEMENT OF COSTS

Wages	DAYS	RATE			
G. Cavey	5	$500		$ 2,500.00	
W. Raven	22	$390		8,580.00	
J. Chapman	8.5	$425		3,162.50	
A. Walus	28.5	$300		8,550.00	
S. Conley	12	$250		3,000.00	
F. Brodie	6.5	$250		1,625.00	
T. McGowen	1.38	$250		345.00	
W. Egg	1	$320		320.00	
G. Prenevost	2	$280		560.00	
E. Hards	1	$300		300.00	
B. Lewis	1.75	$300		525.00	
M. Wren	13.25	$24/hr		318.00	
B. Gowans	18.25	$28/hr		511.00	
			Total	$30,296.50	$ 30,296.50
Mobilization/Demobilization (pro rated from Iskut project)					$ 6,153.73
Support Costs					13,742.31
Transport					18,961.37
Communications					220.39
Camp Costs					923.80
Drilling					21,729.87
Analyses					8,626.46
Report					13,634.32
Total					$114,288.75

CERTIFICATE of QUALIFICATIONS

I, Bernard Dewonck, of 11931 Dunford Road, Richmond, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1974) and hold a BSc. degree in geology.
2. I am an independent consulting geologist retained by OreQuest Consultants Ltd. of 306-595 Howe Street, Vancouver, British Columbia.
3. I have been employed in my profession by various mining companies since graduation.
4. I am a Fellow of the Geological Association of Canada.
5. I am a member of the Canadian Institute of Mining and Metallurgy.
6. This report is based on a review of information listed in the Bibliography and supervision of the project.
7. Neither OreQuest Consultants Ltd. nor myself have or expect to receive direct or indirect interest in the property or in the securities of Tantalus Resources Ltd.
8. I consent to and authorize the use of the attached report and my name in the Companies' Prospectus, Statements of Material Facts or other public document.



Bernard Dewonck
Consulting Geologist

DATED at Vancouver, British Columbia, this 30th day of March, 1990.

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APPENDIX A

DRILL LOGS

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-5	Bearing	105	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	SEPT.23,1989
Property	TANTALUS	Dip-Collar	-45									Completed	SEPT.26,1989
Location	ISKUT	Length	297.68									Drill Co.	FALCON
NTS	1048/9E	Units	METRES									Drill No.	
Claim No.	TR 5	Elevation	1555.00									Drill For.	

Logged by	A. WALUS												
Checked by													
Core	BGM												
Target	GOAT TRAIL Z												
Comments:													

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	3.05				CASING - OVERBURDEN										
3.05	61.10				ANDESITE LAPILLI - CRYSTAL TUFF Dark green rock is composed of angular andesite fragments up to 5 - 6 cm in size set in fine grained groundmass in which broken feldspar crystals are the main constituent. Both andesite fragments and groundmass are moderately to strongly chloritized. Some sections are weakly to very strongly pervasively replaced by sericite. Very few short sections show silicification, clay alteration and enrichment in pyrite. There are few calcite and calcite-quartz veins 0.1 - 1.0 cm wide mostly at 45 degrees to core axis. Pyrite content 1 - 5%. It occurs as disseminated euhedral to subhedral crystals up to 2 mm in size, lesser as small blebs and sporadically as massive variety.										
3.05	4.88		ch		-100% recovery, moderately to badly broken core, in parts limonitic.	2-3	16001	3.05	4.88	1.83	200		2.4	98	74
4.88	6.50		ch		-100% recovery, moderately to badly broken core, in parts limonitic.	1-2	16002	4.88	6.50	1.62	>1000	.036	4.6	140	53
6.50	8.00		ch,sr,o		-100% recovery, moderately to badly broken core, at 6.50 to 7.50 - strong sericite alteration (soft rock) and abundant limonite = Fault Zone.	1-2	16003	6.50	8.00	1.50	790		7.2	190	250
8.00	9.50				-100% recovery, solid core, minor limonite on fractures.	<1	16004	8.00	9.50	1.50	35		0.6	170	33
9.50	11.00				-100% recovery, solid core, minor limonite on fractures.	<1	16005	9.50	11.00	1.50	150		0.6	98	17
11.00	12.50				-100% recovery, solid core, minor limonite on fractures.	1-2	16006	11.00	12.50	1.50	110		1.0	130	12
12.50	14.00				-100% recovery, solid core, minor limonite on fractures.	1-2	16007	12.50	14.00	1.50	120		1.4	340	65
14.00	15.50				-100% recovery, solid core, minor limonite on fractures.	1-2	16008	14.00	15.50	1.50	610		1.4	620	22
15.50	17.00		ch,cl,o		-100% recovery, solid core, minor limonite on fractures, at 16.80 to 17.00 - rock chips and clay-limonite fault gouge = Fault Zone.	1-2	16009	15.50	17.00	1.50	180		0.8	770	80
17.00	18.50		ch,o		-95% recovery, solid core, at 18.30 to 18.40 - rock chips and limonitic gouge = Fault Zone.	2-3	16010	17.00	18.50	1.50	280		1.4	740	94
18.50	20.00		ch,o		-95% recovery, solid core, at 18.80 to 18.90 and 19.70 to 19.90 - rock chips and limonitic gouge = Fault Zones.	2-3	16011	18.50	20.00	1.50	240		1.6	600	310
20.00	21.50		ch		-100% recovery, solid core, minor limonite.	3-4	16012	20.00	21.50	1.50	550		1.2	361	260
21.50	23.00		ch		-100% recovery, solid core, minor limonite.	3-5	16013	21.50	23.00	1.50	250		0.6	290	23
23.00	24.50		ch		-100% recovery, solid core, minor limonite.	3-5	16014	23.00	24.50	1.50	410		0.6	340	40
24.50	26.00		ch		-100% recovery, solid to badly broken core, presence of limonite.	2-3	16015	24.50	26.00	1.50	150		<.2	270	26
26.00	27.50		ch		-100% recovery, solid to badly broken core, presence of limonite.	2-3	16016	26.00	27.50	1.50	360		0.8	290	26
27.50	29.00		ch		-100% recovery, solid to badly broken core, presence of limonite.	3-4	16017	27.50	29.00	1.50	75		0.4	290	22

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
62.20	64.90				ANDESITE LAPILLI - CRYSTAL TUFF As described in the interval 3.05 to 61.10 m.										
62.20	63.70		ch		-100% recovery, moderately broken core.	1-2	16041	62.20	63.70	1.50	190		1.4	380	69
63.70	64.90		ch		-100% recovery, moderately broken core.	1-2	16042	63.70	64.90	1.20	480		1.8	300	58
64.90	69.70				ANDESITE LAPILLI - CRYSTAL TUFF Section with 7 - 10% pyrite. It occurs as disseminated euhedral to subhedral cubes up to 2 mm in size and in sections as massive variety. Parts of the core are very strongly replaced by sericite and clays.										
64.90	65.90		ch,srcl		-100% recovery, moderately broken core, at 64.90 to 65.05 - the rock almost completely replaced by sericite and clays, at 65.05 to 65.25 - very strong replacement by calcite and quartz.	7-10	16043	64.90	65.90	1.00	640		3.6	240	120
65.90	66.90		ch		-100% recovery, moderately broken core.	7-10	16044	65.90	66.90	1.00	570		17.0	670	1200
66.90	67.90		ch		-100% recovery, moderately broken core.	7-10	16045	66.90	67.90	1.00	850		1.6	250	42
67.90	68.90		ch	55	-100% recovery, moderately broken core, at 68.30 to 68.36 - vein of massive pyrite (80 - 90%) at 55 degrees to core axis.	7-10	16046	67.90	68.90	1.00	>1000	.155	7.2	370	110
68.90	69.70		ch,srcl	45	-100% recovery, badly broken core, in many parts the rock is replaced by sericite and possibly clays, at 69.70 - very distinct contact of sericite altered rock with underlying unaltered rock at 45 degrees to core axis.	7-10	16047	68.90	69.70	.80	680		1.2	490	55
69.70	83.00				ANDESITE LAPILLI - CRYSTAL TUFF As described in the interval 3.05 to 61.10 m.										
69.70	71.00		ch	45	-100% recovery, solid core, a few calcite veins 0.5 - 1.0 cm wide at 45 degrees to core axis.	1-2	16048	69.70	71.00	1.30	550		1.2	120	56
71.00	72.50		ch		-100% recovery, solid core.	1-2	16049	71.00	72.50	1.50	420		0.4	200	36
72.50	74.00		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	2-3	16050	72.50	74.00	1.50	310		0.4	140	220
74.00	75.50		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	2-3	16051	74.00	75.50	1.50	>1000	.032	0.8	230	68
75.50	77.00		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	2-3	16052	75.50	77.00	1.50	460		1.0	350	41
77.00	78.50		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	1-2	16053	77.00	78.50	1.50	340		0.6	100	68
78.50	80.00		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	1-2	16054	78.50	80.00	1.50	>1000	.039	1.8	75	110
80.00	81.50		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	2-3	16055	80.00	81.50	1.50	>1000	.055	5.0	180	260
81.50	83.00		ch		-100% recovery, moderately broken core, some calcite-quartz veins 2 - 3 mm wide randomly oriented, minor limonite on fractures.	1-2	16056	81.50	83.00	1.50	700		2.6	190	51

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
83.00	84.18				ANDESITE LAPILLI - TUFF / SULPHIDE ZONE Section with 30 - 40% massive and lesser disseminated pyrite, moderate silicification.										
83.00	84.18		ch,srcl		-Sulphide Zone, 100% recovery, moderately to badly broken core, moderate silicification, minor limonite, at 84.00 to 84.18 - sericite-clay altered rock.	30-40	16057	83.00	84.18	1.18	>1000	.042/.044	28.0	700	590
84.18	119.38				ANDESITE LAPILLI - CRYSTAL TUFF As described in the interval 3.05 to 61.10 m.										
84.18	85.50		ch		-100% recovery, solid core, minor limonite.	2-3	16058	84.18	85.50	1.32	430		1.2	250	94
85.50	87.00		ch,sr,s		-100% recovery, badly broken core, in some sections strong sericite replacement and moderate silicification, minor limonite.	1-2	16059	85.50	87.00	1.50	>1000	.034	1.8	340	60
87.00	88.50		ch	45	-100% recovery, solid core, minor limonite, some calcite-quartz veins 1 - 3 mm wide mostly at 45 degrees to core axis.	1-2	16060	87.00	88.50	1.50	280		0.6	210	87
88.50	90.00		ch	30	-100% recovery, solid core, a few calcite-quartz veins mostly at 30 degrees to core axis.	2-3	16061	88.50	90.00	1.50	120		0.4	130	86
90.00	91.50		ch	45	-100% recovery, solid core, one 0.5 cm wide pyrite vein at 45 degrees to core axis.	2-3	16062	90.00	91.50	1.50	440		1.6	280	240
91.50	93.00		ch,sr		-100% recovery, a few sections moderately to strongly replaced by sericite.	2-3	16063	91.50	93.00	1.50	510		2.0	170	63
93.00	94.50		ch		-100% recovery, solid core.	2-3	16064	93.00	94.50	1.50	580		0.4	210	25
94.50	96.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16065	94.50	96.00	1.50	210		0.4	130	17
96.00	97.50		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16066	96.00	97.50	1.50	360		0.8	40	100
97.50	99.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	2-3	16067	97.50	99.00	1.50	460		0.8	210	200
99.00	100.50		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	2-3	16068	99.00	100.50	1.50	110		<.2	100	26
100.50	102.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16069	100.50	102.00	1.50	>1000	0.035	0.8	200	74
102.00	103.50		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16070	102.00	103.50	1.50	610		0.4	200	37
103.50	105.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16071	103.50	105.00	1.50	660		0.2	250	33
105.00	106.50		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16072	105.00	106.50	1.50	270		1.0	290	150
106.50	108.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16073	106.50	108.00	1.50	110		0.2	210	31
108.00	109.50		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	<1	16074	108.00	109.50	1.50	210		<.2	140	13
109.50	111.00		ch		-100% recovery, fairly solid core, a few quartz-calcite veins 2 - 5 mm wide at different attitudes.	1-2	16075	109.50	111.00	1.50	960		8.0	280	170

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
111.00	112.50		ch,sr,s	-100% recovery, moderately broken core, the whole interval is weakly to moderately pervasively sericitized and in a few sections moderately silicified.	1-2	16076	111.00	112.50	1.50	710		9.2	260	51
112.50	114.00		ch,sr,s	-100% recovery, moderately broken core, the whole interval is weakly to moderately pervasively sericitized and in a few sections moderately silicified.	1-2	16077	112.50	114.00	1.50	230		1.2	470	43
114.00	115.50		ch,sr	-100% recovery, moderately broken core, the interval is moderately to very strongly replaced by sericite.	1-2	16078	114.00	115.50	1.50	370		1.0	240	30
115.50	117.00		ch,sr	-100% recovery, the interval is weakly to moderately pervasively sericitized.	<1	16079	115.50	117.00	1.50	65		0.2	90	5
117.00	118.50		ch,sr	-100% recovery, the interval is weakly to moderately pervasively sericitized.	<1	16080	117.00	118.50	1.50	350		0.8	210	92
118.50	119.38		ch,sr	-100% recovery, the interval is weakly to moderately pervasively sericitized.	2-3	16081	118.50	119.38	.88	>1000	.045	12.0	330	52
119.38	120.84			ANDESITE LAPILLI - CRYSTAL TUFF / SULPHIDE ZONE Section almost completely replaced by sericite and pyrite. Average pyrite content 30 - 40%. It is massive with lesser disseminated.										
119.38	120.11		sr	-100% recovery, moderately broken core to rock chips.	30-40	16082	119.38	120.11	.73	>1000	.056	20.6	590	4000
120.11	120.84		sr	-100% recovery, moderately broken core to rock chips.	30-40	16083	120.11	120.84	.73	810		14.8	640	510
120.84	140.00			ANDESITE LAPILLI - CRYSTAL TUFF As described in the interval 3.05 to 61.10 m.										
120.84	122.00		ch	-100% recovery, fairly solid core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16084	120.84	122.00	1.16	100		1.0	120	120
122.00	123.50		ch	-100% recovery, fairly solid core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16085	122.00	123.50	1.50	75		0.6	98	73
123.50	125.00		ch	-100% recovery, fairly solid core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16086	123.50	125.00	1.50	250		0.8	110	240
125.00	126.50		ch	-100% recovery, fairly solid core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16087	125.00	126.50	1.50	90		0.4	50	32
126.50	128.00		ch	-100% recovery, fairly solid core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16088	126.50	128.00	1.50	45		0.4	33	29
128.00	129.50		ch,s	-100% recovery, moderately broken core, moderate to strong silicification.	5-7	16089	128.00	129.50	1.50	>1000	.031	12.4	240	200
129.50	131.00		ch	-100% recovery, moderately broken core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	3-5	16090	129.50	131.00	1.50	540		4.2	74	380
131.00	132.50		ch	-100% recovery, moderately broken core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	2-3	16091	131.00	132.50	1.50	440		2.0	66	100
132.50	134.40		ch	-100% recovery, moderately broken core, some irregular quartz-calcite veins 1 - 3 mm wide at different attitudes.	1-2	16092	132.50	134.40	1.90	260		0.4	160	15
134.40	135.40		ch,sr,s	-100% recovery, badly broken core, strong silicification and sericitization, at 135.20 to 135.40 - section of massive pyrite 80 - 90%.	10-15	16093	134.40	135.40	1.00	>1000	.032	1.8	170	73

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
135.40	137.00		ch,sr,s		-100% recovery, strongly broken core, in sections moderate to strong silicification and sericitization.	1-2	16094	135.40	137.00	1.60	810		3.2	180	550
137.00	138.50		ch		-100% recovery, moderately broken core.	1-2	16095	137.00	138.50	1.50	110		0.4	49	9
138.50	140.00		ch,sr		-100% recovery, badly broken core, in sections strong to very strong sericite alteration.	<1	16096	138.50	140.00	1.50	190		0.4	73	13
140.00	141.50				APHANITIC DACITE Light grey-brown aphanitic rock. In sections moderate to strong sericite alteration. At the end of interval intercalated with underlying aphanitic andesite. Traces of pyrite.										
140.00	141.50				-100% recovery, moderately to badly broken core.	tr	16097	140.00	141.50	1.50	75		<.2	65	14
141.50	150.60				APHANITIC ANDESITE Dark green, aphanitic, in very few sections extremely fine grained andesite. Moderate to strong chloritization, in a few sections weak silicification. Scarce quartz and calcite veining (1 - 5 mm wide) at different attitudes. Pyrite content less than 1%, it occurs as disseminated euhedral to subhedral cubes up to 2 - 3 mm in size.										
141.50	143.00		ch		-100% recovery, badly broken core to rock chips.	<1	16098	141.50	143.00	1.50	55		0.4	32	15
143.00	144.50		ch		-100% recovery, badly broken core.	<1	16099	143.00	144.50	1.50	35		<.2	24	6
144.50	146.00		ch		-100% recovery, badly broken core.	<1	16100	144.50	146.00	1.50	310		<.2	24	4
146.00	147.50		ch		-100% recovery, badly broken core.	<1	16101	146.00	147.50	1.50	240		<.2	4	3
147.50	149.00		ch		-100% recovery, badly broken core.	<1	16102	147.50	149.00	1.50	130		<.2	65	24
149.00	150.60		ch		-100% recovery, badly broken core.	<1	16103	149.00	150.60	1.60	110		<.2	78	6
150.60	153.40				DIORITE ? Very strongly sericite altered rock. Finely disseminated pyrite 2 - 3%. Minor calcite and chlorite.										
150.60	152.00		sr		-100% recovery, moderately broken core.	2-3	16104	150.60	152.00	1.40	950		1.2	110	11
152.00	153.40		sr		-100% recovery, moderately broken core.	2-3	16105	152.00	153.40	1.40	290		0.4	67	7
153.40	165.40				APHANITIC DACITE Light grey-brown to greenish-brown rock with aphanitic texture. In sections the rock is weakly to moderately silicified and contains quartz veins 1 - 5 mm wide at different attitudes. Minor pyrite (<1%) as disseminated grains. There are two short sections of clay-sericite replacement.										
153.40	155.00		sr,cl		-100% recovery, moderately broken core, at 153.40 to 154.00 - very strong clay-sericite replacement.	<1	16106	153.40	155.00	1.60	300		0.6	59	6
155.00	156.50				-100% recovery, moderately broken core.	<1	16107	155.00	156.50	1.50	80		<.2	6	3
156.50	158.00				-100% recovery, moderately broken core.	<1	16108	156.50	158.00	1.50	390		0.4	98	5

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
158.00	159.50		sr,cl		-100% recovery, moderately broken core, at 158.90 to 158.95 - strong clay-sericite replacement.	<1	16109	158.00	159.50	1.50	400		0.8	74	6
159.50	161.00				-100% recovery, moderately broken core.	<1	16110	159.50	161.00	1.50	45		0.2	41	5
161.00	162.50				-100% recovery, moderately broken core.	<1	16111	161.00	162.50	1.50	20		<.2	8	210
162.50	164.00				-100% recovery, moderately to strongly broken core, minor limonite on fractures.	<1	16112	162.50	164.00	1.50	55		.2	10	150
164.00	165.40				-100% recovery, moderately to strongly broken core, minor limonite on fractures.	<1	16113	164.00	165.40	1.40	20		<.2	9	130
165.40	175.68				INTERCALATED APHANITIC DACITE AND ANDESITE Mixed rock, probably originated as a result of magmatic exsolution. In parts of the core dacite comprises thin (1 - 3 mm) exsolution layers in andesite at 80 to 90 degrees to core axis. In sections moderate silicification. Pyrite - traces as disseminated grains.										
165.40	167.00				-100% recovery, moderately broken core.	tr	16114	165.40	167.00	1.60	85		.2	3	10
167.00	168.50				-100% recovery, moderately broken core.	tr	16115	167.00	168.50	1.50	380		0.4	4	8
168.50	170.00				-100% recovery, moderately broken core.	tr	16116	168.50	170.00	1.50	350		<.2	10	10
170.00	171.50				-100% recovery, moderately broken core.	tr	16117	170.00	171.50	1.50	15		.2	3	8
171.50	173.00				-100% recovery, moderately to badly broken core.	tr	16118	171.50	173.00	1.50	300		.2	82	25
173.00	174.50				-100% recovery, moderately to badly broken core.	tr	16119	173.00	174.50	1.50	40		<.2	2	3
174.50	175.68				-100% recovery, moderately to badly broken core.	tr	16120	174.50	175.68	1.18	95		.2	1	4
175.68	175.88				CLAY-SERICITE GOUGE / SULPHIDE ZONE Contains 20 - 30% pyrite.										
175.68	175.88				-100% recovery, soft gouge.	20-30	16121	175.68	175.88	.20	760		3.6	250	160
175.88	207.60				APHANITIC ANDESITE Same as 141.50 to 150.60 interval.										
175.88	177.50		ch		-100% recovery, fairly solid core.	tr	16122	175.88	177.50	1.62	300		0.8	63	33
177.50	179.00		ch		-100% recovery, fairly solid core.	-	16123	177.50	179.00	1.50	290		0.2	8	5
179.00	180.50		ch		-100% recovery, fairly solid core.	-	16124	179.00	180.50	1.50	410		<.2	71	6
180.50	182.00		ch		-100% recovery, fairly solid core.	-	16125	180.50	182.00	1.50	460		0.4	50	4
182.00	183.50		ch		-100% recovery, fairly solid core.	tr	16126	182.00	183.50	1.50	280		.2	86	6
183.50	185.00		ch		-100% recovery, fairly solid core.	-	16127	183.50	185.00	1.50	310		.2	43	6
185.00	186.50		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	tr	16128	185.00	186.50	1.50	300		.2	79	6
186.50	188.00		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	-	16129	186.50	188.00	1.50	120		.2	29	3
188.00	189.50		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	tr	16130	188.00	189.50	1.50	490		.2	57	3
189.50	191.00		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	-	16131	189.50	191.00	1.50	390		<.2	100	6

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
191.00	192.50		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	tr	16132	191.00	192.50	1.50	200		<.2	150	3
192.50	194.00		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	tr	16133	192.50	194.00	1.50	60		<.2	50	7
194.00	195.50		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	-	16134	194.00	195.50	1.50	60		<.2	57	6
195.50	197.00		ch		-100% recovery, fairly solid core, a few calcite and quartz veins 1 - 3 mm wide at different attitudes.	-	16135	195.50	197.00	1.50	80		<.2	78	37
197.00	198.50			90	-100% recovery, moderately to strongly broken core, at 197.80 to 198.10 - dyke of aphanitic dacite, contact with aphanitic andesite sharp at 90 degrees to core axis.	tr	16136	197.00	198.50	1.50	45		<.2	57	81
198.50	200.00		ch		-100% recovery, moderately broken core.	-	16137	198.50	200.00	1.50	10		<.2	42	8
200.00	201.50		ch		-60% recovery, mostly badly broken core.	tr	16138	200.00	201.50	1.50	110		<.2	50	20
201.50	203.00		ch		-60% recovery, mostly badly broken core.	-	16139	201.50	203.00	1.50	70		<.2	57	10
203.00	204.50		ch		-60% recovery, mostly badly broken core.	1	16140	203.00	204.50	1.50	55		<.2	7	21
204.50	206.00		ch		-60% recovery, mostly badly broken core.	1	16141	204.50	206.00	1.50	100		<.2	35	16
206.00	207.60			45	-100% recovery, fairly solid core, some calcite-quartz veins 1 - 2 mm wide at different attitudes, one calcite-pyrite vein 1 mm wide at 45 degrees to core axis.	<1	16142	206.00	207.60	1.60	240		0.4	120	18
207.60	227.10				INTERCALATED APHANITIC DACITE AND ANDESITE In sections moderate silicification. Some calcite-quartz veins 1 - 3 mm wide at different attitudes. 1 - 5% pyrite as disseminated euhedral to subhedral crystals up to 2 mm in size.										
207.60	209.00				-100% recovery, moderately broken core.	1-2	16143	207.60	209.00	1.40	270		0.4	77	19
209.00	210.50				-100% recovery, moderately broken core.	1-2	16144	209.00	210.50	1.50	90		<.2	70	4
210.50	212.00				-100% recovery, moderately broken core.	2-3	16145	210.50	212.00	1.50	300		1.0	160	25
212.00	213.50				-100% recovery, moderately broken core.	3-5	16146	212.00	213.50	1.50	120		0.4	140	23
213.50	215.00				-100% recovery, moderately broken core.	1-2	16147	213.50	215.00	1.50	20		<.2	35	4
215.00	216.50				-100% recovery, moderately broken core.	1-2	16148	215.00	216.50	1.50	20		<.2	50	3
216.50	218.00				-100% recovery, moderately broken core.	1-2	16149	216.50	218.00	1.50	190		<.2	22	5
218.00	219.50				-100% recovery, moderately broken core.	2-3	16150	218.00	219.50	1.50	>1000	.029	1.4	86	9
219.50	221.00				-100% recovery, moderately broken core.	<1	16151	219.50	221.00	1.50	170		0.4	140	6
221.00	222.50				-100% recovery, moderately broken core.	<1	16152	221.00	222.50	1.50	600		1.0	100	13
222.50	224.00				-100% recovery, moderately broken core.	1-2	16153	222.50	224.00	1.50	860		1.4	150	39
224.00	225.50				-100% recovery, badly broken core to rock chips.	2-3	16154	224.00	225.50	1.50	>1000	.032	1.8	520	900
225.50	227.10		sr	45	-100% recovery, badly broken core to rock chips, one calcite-pyrite vein 2 mm wide at 45 degrees to core axis. Moderate pervasive sericitic alteration.	2-3	16155	225.50	227.10	1.60	>1000	.036	1.2	300	150
227.10	261.95				DIORITE Light grey, medium grained diorite. Mafic minerals are completely chloritized and diffused. The whole interval is weakly sericitized and some parts are weakly to moderately silicified. Some calcite and calcite-quartz veins 0.1 - 1.0 cm wide at different attitudes were										

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
					noted. Pyrite content 1 - 5%, it occurs as disseminated euhedral to anhedral crystals reaching 1 mm in size and much less often as blebs and irregular small patches. Sporadic pyrite was noted in quartz and calcite veins.										
227.10	228.50				-100% recovery, badly broken core to rock chips, the interval is moderately sericitized.	1-2	16156	227.10	228.50	1.40	>1000	.030	1.2	220	100
228.50	230.00				-100% recovery, moderately broken core.	1-2	16157	228.50	230.00	1.50	120		0.4	140	40
230.00	231.50			45	-100% recovery, moderately broken core, one calcite-quartz vein 3 mm wide at 45 degrees to core axis.	3-5	16158	230.00	231.50	1.50	240		0.4	170	50
231.50	233.00				-100% recovery, moderately broken core.	2-3	16159	231.50	233.00	1.50	130		1.2	220	350
233.00	234.50				-100% recovery, moderately broken core.	2-3	16160	233.00	234.50	1.50	330		0.8	170	57
234.50	236.00				-100% recovery, moderately broken core.	2-3	16161	234.50	236.00	1.50	340		0.4	130	11
236.00	237.50			80	-100% recovery, solid core, at 237.10 to 237.17 - quartz vein containing 20 - 30% massive pyrite at 80 degrees to core axis.	3-5	16162	236.00	237.50	1.50	390		1.0	110	19
237.50	239.00				-100% recovery, fairly solid core.	3-5	16163	237.50	239.00	1.50	>1000	.030	1.0	150	3
239.00	240.50				-100% recovery, fairly solid core.	3-5	16164	239.00	240.50	1.50	700		0.6		
240.50	242.00			30	-100% recovery, fairly solid core, a few veins of calcite and pyrite-calcite 2 - 3 mm wide, mostly at 30 degrees to core axis.	3-5	16165	240.50	242.00	1.50	>1000	.039	1.0		
242.00	243.50				-100% recovery, fairly solid core.	3-5	16166	242.00	243.50	1.50	>1000	.029	0.6		
243.50	245.00				-100% recovery, fairly solid core.	2-3	16167	243.50	245.00	1.50	650		0.4		
245.00	246.50			30	-100% recovery, fairly solid core, one calcite-quartz vein 1.0 cm wide at 30 degrees to core axis.	2-3	16168	245.00	246.50	1.50	510		0.4		
246.50	248.00				-100% recovery, solid core.	3-5	16169	246.50	248.00	1.50	230		0.4		
248.00	249.50				-100% recovery, solid core.	3-5	16170	248.00	249.50	1.50	90		<.2		
249.50	251.00			30	-100% recovery, solid core, a few calcite-quartz veins 1 - 2 mm wide at 30 degrees to core axis.	3-5	16171	249.50	251.00	1.50	70		0.4		
251.00	252.50				-100% recovery, fairly solid core, some irregular calcite-quartz veins 1 - 5 mm wide.	2-3	16172	251.00	252.50	1.50	120		0.6		
252.50	254.00				-100% recovery, fairly solid core, some irregular calcite-quartz veins 1 - 5 mm wide.	2-3	16173	252.50	254.00	1.50	740		1.8		
254.00	255.50				-100% recovery, fairly solid core, some irregular calcite-quartz veins 1 - 5 mm wide.	2-3	16174	254.00	255.50	1.50	210		0.6		
255.50	257.00				-100% recovery, fairly solid core, some irregular calcite-quartz veins 1 - 5 mm wide.	2-3	16175	255.50	257.00	1.50	110		0.6		
257.00	258.50				-100% recovery, fairly solid core, some irregular calcite-quartz veins 1 - 5 mm wide.	2-3	16176	257.00	258.50	1.50	110		0.4		
258.50	260.00			30	-100% recovery, solid core, a few calcite-quartz veins 1 - 3 mm wide mostly at 30 to 45 degrees to core axis.	3-5	16177	258.50	260.00	1.50	>1000	.030	1.0		
260.00	261.95			45	-100% recovery, fairly solid core, at 261.30 - fracture filling 2 mm quartz vein at 45 degrees to core axis, strong enrichment in pyrite on both sides of the vein. At 261.80 to 261.95 - clay-sericite gouge with 10 - 15% pyrite, distinct contact with upper unaltered diorite at 45 degrees to core axis.	3-5	16178	260.00	261.95	1.95	690		0.8		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
261.95	266.60				APHANITIC ANDESITE Dark green aphanitic rock. It is moderately chloritized and contains some irregular calcite and quartz veins and replacement patches.										
261.95	263.50		ch		-100% recovery, moderately broken core, fractures covered by sericite and calcite.	-	16179	261.95	263.50	1.55	140		0.4		
263.50	265.00		ch		-100% recovery, moderately broken core, fractures covered by sericite and calcite.	-	16180	263.50	265.00	1.50	80		0.4		
265.00	266.60		ch		-100% recovery, moderately broken core.	-	16181	265.00	266.60	1.60	65		0.4		
266.60	268.70				APHANITIC DACITE Dark brownish-grey aphanitic rock. Weak brecciation healed by quartz. The rock is strongly silicified and contains 3 - 5% very fine disseminated pyrite. Strong clay-sericite replacement at the beginning of interval.										
266.60	267.60				-100% recovery, at 266.70 to 267.00 - badly broken core to rock chips, moderate sericite alteration. At 267.00 to 267.10 - rock almost completely replaced by clays and sericite. Remainder of the interval is fairly broken core.	3-5	16182	266.60	267.60	1.00	310		0.6		
267.60	268.70				-100% recovery, moderately broken core, minor limonite on fractures.	3-5	16183	267.60	268.70	1.10	900		0.8		
268.70	286.80				DIORITE General description same as for 227.10 to 261.95 interval. The rock has stronger silicification compared to the previous diorite interval.										
268.70	270.00		s		-100% recovery, solid core, minor limonite on fractures.	3-5	16184	268.70	270.00	1.30	580		0.4		
270.00	271.50		s		-100% recovery, solid core, minor limonite on fractures.	3-5	16185	270.00	271.50	1.50	100		0.4		
271.50	273.00		s		-100% recovery, solid core, minor limonite on fractures.	3-5	16186	271.50	273.00	1.50	160		0.4		
273.00	274.50		s		-100% recovery, solid to badly broken core.	2-3	16187	273.00	274.50	1.50	140		0.4		
274.50	276.00		s		-80% recovery, at 274.80 to 275.10 - mostly rounded rock chips and clay-sericite-limonite gouge. Remainder of interval is badly broken core with limonite on fractures. Fault Zone from 274.80 to 275.10.	2-3	16188	274.50	276.00	1.50	140		1.0		
276.00	277.50		s		-100% recovery, solid core, limonite on fractures.	5-7	16189	276.00	277.50	1.50	260		0.4		
277.50	279.00		s		-90% recovery, at 277.50 to 277.90 and 278.50 to 279.00 - badly broken core to rock chips and abundant limonite, a few slickenside surfaces were noted = Fault Zone. Remainder of the interval is badly broken core with limonite on fractures.	5-7	16190	277.50	279.00	1.50	190		0.6		
279.00	280.50		s	20	-100% recovery, moderately to badly broken core with limonite on fractures, at 280.00 to 280.50 - badly broken core to rock chips with more abundant limonite = Fault Zone. Some quartz veins 1 - 3 mm wide at 20 degrees to core axis.	3-5	16191	279.00	280.50	1.50	65		<.2		
280.50	282.00		s		-100% recovery, moderately to badly broken core, limonite on fractures.	5-7	16192	280.50	282.00	1.50	60		0.4		
282.00	283.50		s		-100% recovery, solid core.	3-5	16193	282.00	283.50	1.50	940		0.4		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
283.50	285.00		ch		-100% recovery, fairly solid core, at 284.40 to 285.00 - interval is moderately chloritized.	3-5	16194	283.50	285.00	1.50	320		1.2		
285.00	286.80		ch	25	-100% recovery, fairly solid core, moderate chloritization, a few quartz veins 2 - 4 mm wide at 20 to 30 degrees to core axis along with a few vugs filled with quartz crystals were seen.	3-5	16195	285.00	286.80	1.80	120		0.4		
286.80	288.30				APHANITIC DACITE Dark brownish-grey rock. Weak brecciation healed by quartz. The rock is strongly silicified and contains 3 - 5% very fine disseminated pyrite.										
286.80	288.30				-100% recovery, moderately to badly broken core.	3-5	16196	286.80	288.30	1.50	300		0.6		
288.30	297.68				DIORITE Same as 277.10 to 261.95 interval.										
288.30	290.00		s		-100% recovery, solid to badly broken core, some irregular quartz veins at different attitudes.	3-5	16197	288.30	290.00	1.70	>1000	.031	0.6		
290.00	291.50		s		-100% recovery, fairly solid core, a few irregular quartz veins 1 - 5 mm wide at different attitudes.	3-5	16198	290.00	291.50	1.50	380		0.4		
291.50	293.00				-100% recovery, fairly solid core, a few irregular quartz veins 1 - 5 mm wide at different attitudes.	3-5	16199	291.50	293.00	1.50	210		<.2		
293.00	294.50				-100% recovery, fairly solid core, a few irregular quartz veins 1 - 5 mm wide at different attitudes.	1-2	16200	293.00	294.50	1.50	170		0.4		
294.50	296.00				-100% recovery, fairly solid core, a few irregular quartz veins 1 - 5 mm wide at different attitudes.	1-2	16201	294.50	296.00	1.50	220		0.4		
296.00	297.68				-100% recovery, fairly solid core, a few irregular quartz veins 1 - 5 mm wide at different attitudes.	1-2	16202	296.00	297.68	1.68	180		0.4		
297.68					END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-6	Bearing	105	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	SEPT.26,1989
Property	TANTALUS	Dip-Collar	-60									Completed	SEPT.28,1989
Location	ISKUT	Length	212.28									Drill Co.	FALCON
NTS	104B/9E	Units	METRES									Drill No.	
Claim No.	TR 5	Elevation	1555.00									Drill For.	

Logged by A. WALUS
Checked by
Core BGM
Target GOAT TRAIL Z
Comments:

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	3.66				CASING - OVERBURDEN										
3.66	64.50				ANDESITE LAPILLI - CRYSTAL TUFF Dark green rock consists of angular andesite fragments (not always easily recognizable in the core) up to 5 cm in size set in abundant groundmass composed mainly of broken feldspar crystals. The whole interval is moderately to strongly chloritized and in places weakly calcitized. Some sections show weak to moderate silicification and weak to complete sericitization. There are some quartz and calcite-quartz veins 0.1 to 1.0 cm wide at different attitudes. Pyrite content is 1 - 5%, only a few short sections with higher pyrite content were noted. It occurs chiefly as disseminated euhedral to subhedral cubes up to 2 mm in size, much less often as blebs and irregular patches of massive pyrite, occasionally thin (mostly 1 - 2 mm) pyrite, calcite-pyrite and quartz-pyrite veins at prevalent attitudes about 45 degrees to core axis were noted.										
3.66	5.00	ch,s,o			-100% recovery, moderately to badly broken core, moderate silicification, a few irregular 1 mm wide pyrite veinlets at different attitudes were noted, in some parts the rock is limonitic, at 4.10 to 4.20 - section almost completely replaced by sericite and limonite = Fault Zone.	2-3	16203	3.66	5.00	1.34	560		6.2		
5.00	6.50	ch			-100% recovery, moderately broken core to rock chips, limonite on fractures, some irregular quartz veining 1 - 2 mm wide at different attitudes.	1-2	16204	5.00	6.50	1.50	>1000	.036	6.2		
6.50	8.00	ch,o		45	-100% recovery, moderately to badly broken core, limonite on fractures, there are two calcite-pyrite veins 1 - 2 mm wide at 45 degrees to core axis, at 6.50 to 6.60 - rock chips with limonitic gouge = Fault Zone.	1-2	16205	6.50	8.00	1.50	130		7.4		
8.00	9.50	ch			-100% recovery, moderately to badly broken core, at 8.20 to 8.40 - limonitic rock chips = Fault Zone.	1-2	16206	8.00	9.50	1.50	350		3.2		
9.50	11.00	ch			-100% recovery, fairly solid core.	1-2	16207	9.50	11.00	1.50	140		1.0		
11.00	12.50	ch			-100% recovery, fairly solid core.	1-2	16208	11.00	12.50	1.50	90		1.0		
12.50	14.00	ch		45	-100% recovery, fairly solid core, some calcite, sericite and limonite on fractures, at 12.60 - 1.0 cm wide sericite vein at 45 degrees to core axis.	1-2	16209	12.50	14.00	1.50	230		4.4		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
14.00	15.50		ch	80	-100% recovery, solid core, two calcite-quartz veins 1.0 cm wide at 80 degrees to core axis.	1-2	16210	14.00	15.50	1.50	290		2.0		
15.50	17.00		ch,o		-100% recovery, moderately broken core, at 15.90 to 16.00 - rock chips and clay-sericite-limonite gouge = Fault Zone.	1-2	16211	15.50	17.00	1.50	260		1.0		
17.00	18.50		ch		-100% recovery, fairly solid core, limonitic rock at the end of interval.	3-5	16212	17.00	18.50	1.50	450		1.4		
18.50	19.70		ch		-100% recovery, moderately broken core, pyrite partly replaced by limonite, at 18.50 to 18.70 - partial replacement by clay-sericite-limonite.	3-5	16213	18.50	19.70	1.20	160		1.0		
19.70	21.00		ch,o		-80% recovery, all strongly limonitic rock chips and gouge = Fault Zone.	1-2	16214	19.70	21.00	1.30	>1000	.029	1.8		
21.00	22.50		ch		-100% recovery, moderately to badly broken core, some irregular calcite-quartz veining at different attitudes, minor limonite.	3-5	16215	21.00	22.50	1.50	210		1.0		
22.50	24.00		ch		-100% recovery, moderately broken core, minor limonite.	1-2	16216	22.50	24.00	1.50	90		0.8		
24.00	25.50		ch		-100% recovery, moderately broken core, some limonite.	1-2	16217	24.00	25.50	1.50	160		1.0		
25.50	27.00		ch		-100% recovery, solid core.	3-5	16218	25.50	27.00	1.50	50		0.8		
27.00	28.50		ch		-100% recovery, solid core, a few calcite-quartz veins 2 - 5 mm wide at different attitudes.	3-5	16219	27.00	28.50	1.50	75		0.6		
28.50	30.00		ch		-100% recovery, solid to moderately broken core.	3-5	16220	28.50	30.00	1.50	55		0.6		
30.00	31.50		ch	45	-100% recovery, fairly solid core, at 30.00 to 30.50 - a set of calcite-quartz (one of sericite) veins 0.5 - 2.0 cm wide mostly at 45 degrees to core axis.	3-5	16221	30.00	31.50	1.50	800		1.0		
31.50	33.00		ch	30	-100% recovery, fairly solid core, a few calcite-quartz veins 2 - 3 mm wide at 30 degrees to core axis.	3-5	16222	31.50	33.00	1.50	250		0.8		
33.00	34.50		ch	80	-100% recovery, moderately broken core, a few calcite-quartz and pyrite veins 2 - 3 mm wide mostly at 80 degrees to core axis.	3-5	16223	33.00	34.50	1.50	280		2.0		
34.50	36.00		ch		-100% recovery, fairly broken core.	3-5	16224	34.50	36.00	1.50	110		0.4		
36.00	37.50		ch		-100% recovery, fairly broken core, at 37.10 to 37.40 - badly broken core and some limonite and a few vuggy fractures filled with quartz crystals.	3-5	16225	36.00	37.50	1.50	65		0.4		
37.50	39.00		ch		-100% recovery, moderately broken core, minor limonite on fractures.	3-5	16226	37.50	39.00	1.50	110		0.6		
39.00	40.50		ch,o		-100% recovery, fairly solid core, at 40.10 to 40.20 - limonitic rock chips and gouge = Fault Zone.	3-5	16227	39.00	40.50	1.50	300		0.4		
40.50	42.00		ch		-100% recovery, fairly solid core.	3-5	16228	40.50	42.00	1.50	120		0.2		
42.00	43.50		ch		-100% recovery, fairly solid core.	3-5	16229	42.00	43.50	1.50	240		0.2		
43.50	45.00		ch,sr		-100% recovery, fairly solid core, at 44.20 to 44.40 - strong sericite alteration.	3-5	16230	43.50	45.00	1.50	450		1.6		
45.00	46.50		ch		-100% recovery, fairly solid core, calcite and sericite on fractures.	3-5	16231	45.00	46.50	1.50	100		0.8		
46.50	48.00		ch		-100% recovery, fairly solid core, calcite and sericite on fractures.	2-3	16232	46.50	48.00	1.50	15		0.6		
48.00	49.50		ch	45	-100% recovery, fairly solid core, calcite and sericite on fractures, 2 mm wide pyrite veiin at 45 degrees to core axis.	2-3	16233	48.00	49.50	1.50	>1000	.035	0.8		
49.50	51.00		ch	45	-100% recovery, solid core, one pyrite vein 2 mm wide at 45 degrees to core axis.	1-2	16234	49.50	51.00	1.50	150		0.6		
51.00	52.50		ch		-100% recovery, solid core.	1-2	16235	51.00	52.50	1.50	15		0.4		
52.50	54.00		ch		-100% recovery, solid core.	1-2	16236	52.50	54.00	1.50	200		0.6		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
54.00	55.50		ch		-100% recovery, solid core.	1-2	16237	54.00	55.50	1.50	100		0.6		
55.50	57.00		ch		-100% recovery, moderately to strongly broken core.	1-2	16238	55.50	57.00	1.50	40		0.6		
57.00	58.50		ch,sr		-80% recovery, mostly strongly broken core to rock chips, in sections moderate pervasive sericite alteration, some limonite on fractures.	2-3	16239	57.00	58.50	1.50	200		1.2		
58.50	60.00		ch		-100% recovery, moderately broken core.	1-2	16240	58.50	60.00	1.50	250		2.0		
60.00	61.50		ch		-100% recovery, moderately broken core.	1-2	16241	60.00	61.50	1.50	100		1.0		
61.50	63.00		ch,sr		-95% recovery, moderately to badly broken core, in sections the rock is moderately to strongly sericitized.	1-2	16242	61.50	63.00	1.50	50		0.8		
63.00	64.50		ch,sr		-95% recovery, moderately to badly broken core, in sections the rock is moderately to strongly sericitized.	1-2	16243	63.00	64.50	1.50	75		0.6		
64.50	66.00				APHANITIC ANDESITE Dark green rock strongly chloritized, in places weak to moderate sericitization.										
64.50	66.00		ch,sr		-90% recovery, strongly shattered core, some hematite on fractures, in places weak to moderate sericite alteration.	1-2	16244	64.50	66.00	1.50	220		0.6		
66.00	90.28				ANDESITE LAPILLI - CRYSTAL TUFF As described in interval 3.66 to 64.50 m.										
66.00	67.50		ch,sr		-90% recovery, moderately to strongly broken core, the interval is moderately to very strongly sericitized.	3-5	16245	66.00	67.50	1.50	>1000	.029	4.0		
67.50	69.00		ch,sr		-100% recovery, moderately broken core, weak sericitization.	2-3	16246	67.50	69.00	1.50	530		1.0		
69.00	70.50		ch		-100% recovery, fairly solid core.	3-5	16247	69.00	70.50	1.50	290		0.4		
70.50	72.00		ch		-100% recovery, moderately broken core, some calcite and sericite on fractures, on a few fractures slickensides were noted.	2-3	16248	70.50	72.00	1.50	490		1.2		
72.00	73.50		ch,s		-100% recovery, moderate silicification, in some places patches of semimassive to massive pyrite.	5-7	16249	72.00	73.50	1.50	310		17.		
73.50	75.00		ch	30	-100% recovery, solid core, a few calcite-quartz veins mostly at 30 degrees to core axis.	3-5	16250	73.50	75.00	1.50	470		1.0		
75.00	76.50		ch,sr		-100% recovery, moderately broken core, at 75.90 to 76.00 - very strong sericite replacement.	3-5	16251	75.00	76.50	1.50	500		0.8		
76.50	78.00		ch		-100% recovery, solid core.	3-5	16252	76.50	78.00	1.50	460		0.6		
78.00	79.50		ch		-80% recovery, moderately broken core.	2-3	16253	78.00	79.50	1.50	950		0.6		
79.50	81.00		ch		-80% recovery, moderately broken core.	2-3	16254	79.50	81.00	1.50	350		0.4		
81.00	82.50		ch		-80% recovery, moderately broken core.	2-3	16255	81.00	82.50	1.50	360		0.6		
82.50	84.00		ch	45	-75% recovery, fairly solid core, two quartz-pyrite veins 2 mm wide at 45 degrees to core axis.	3-5	16256	82.50	84.00	1.50	630		0.6		
84.00	85.50		ch	45	-75% recovery, solid core, one pyrite-quartz vein 2 mm wide at 45 degrees to core axis.	3-5	16257	84.00	85.50	1.50	210		0.6		
85.50	87.00		ch		-75% recovery, fairly solid core.	3-5	16258	85.50	87.00	1.50	300		1.0		
87.00	88.50		ch		-100% recovery, moderately broken core.	2-3	16259	87.00	88.50	1.50	120		0.6		
88.50	90.28		ch,sr		-100% recovery, moderately broken core, weak sericitization.	3-5	16260	88.50	90.28	1.78	430		0.8		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
90.28	92.90				SULPHIDE ZONE Section with 30 - 40% massive pyrite in completely quartz-sericite altered rock. Then pyrite enrichment to 92.90 m.										
90.28	91.00		s,sr		-100% recovery, badly broken core to rock chips, 5 cm section with clays.	30-40	16261	90.28	91.00	.72	>1000	.039	34.		
91.00	91.70		s,sr		-100% recovery, badly broken core to rock chips.	30-40	16262	91.00	91.70	.70	>1000	.062	8.0		
91.70	92.55			10	-100% recovery, fairly solid core, one calcite-quartz vein 1 cm wide at 10 degrees to core axis.	5-7	16263	91.70	92.55	.85	>1000	.029	9.2		
92.55	92.90				-100% recovery, solid core, massive pyrite throughout.	50-60	16264	92.55	92.90	.35	340		12.		
92.90	137.90				ANDESITE LAPILLI - CRYSTAL TUFF As described in the interval 3.66 to 64.50 m.										
92.90	94.40		ch	45	-100% recovery, fairly solid core, at 93.30 - a 3 cm wide irregular quartz-pyrite vein approximately 45 degrees to core axis, at 94.00 to 94.30 - strong calcite-quartz replacement.	3-5	16265	92.90	94.40	1.50	160		7.0		
94.40	96.00		ch	45	-100% recovery, solid core, at 95.10 to 95.26 - rock chips and strong sericite alteration, two pyrite veins 2 mm wide at 45 degrees to core axis.	3-5	16266	94.40	96.00	1.60	240		5.8		
96.00	97.50		ch		-100% recovery, moderately broken core, some irregular calcite-quartz veins at different attitudes.	2-3	16267	96.00	97.50	1.50	200		5.0		
97.50	99.00		ch		-100% recovery, moderately to badly broken core.	3-5	16268	97.50	99.00	1.50	110		1.0		
99.00	100.50		ch		-100% recovery, moderately to badly broken core.	3-5	16269	99.00	100.50	1.50	600		0.8		
100.50	102.00		ch		-100% recovery, moderately broken core, at 101.20 to 101.40 - rock chips (some of them rounded) = Fault Zone.	2-3	16270	100.50	102.00	1.50	>1000	.032	0.8		
102.00	103.50		ch	0	-100% recovery, moderately broken core, one calcite-quartz vein 1 cm wide at 0 degrees to core axis.	2-3	16271	102.00	103.50	1.50	430		1.0		
103.50	105.00		ch		-100% recovery, fairly solid core.	2-3	16272	103.50	105.00	1.50	700		0.4		
105.00	106.50		ch,sr	55	-100% recovery, solid core, a few pyrite veins 1 mm wide at 55 degrees to core axis, at 106.10 to 106.50 - moderate to strong sericite replacement (the rock texture is recognizable).	3-5	16273	105.00	106.50	1.50	410		4.6		
106.50	108.00		ch,sr,s		-100% recovery, solid core, at 106.50 to 106.90 - strong sericite replacement, at 106.90 to 107.30 - strong quartz replacement.	2-3	16274	106.50	108.00	1.50	240		4.2		
108.00	109.50		ch		-100% recovery, solid core.	1-2	16275	108.00	109.50	1.50	140		<.2		
109.50	111.00		ch	45	-100% recovery, solid core, a few calcite-quartz veins 1 - 2 mm wide at 45 degrees to core axis.	1-2	16276	109.50	111.00	1.50	140		<.2		
111.00	112.50		ch		-100% recovery, fairly solid core.	2-3	16277	111.00	112.50	1.50	110		0.8		
112.50	114.00		ch		-100% recovery, fairly solid core.	2-3	16278	112.50	114.00	1.50	55		<.2		
114.00	115.50		ch		-100% recovery, fairly solid core.	2-3	16279	114.00	115.50	1.50	530		0.8		
115.50	117.00		ch,sr		-100% recovery, moderately broken core, weak to strong sericitization.	1-2	16280	115.50	117.00	1.50	440		0.8		
117.00	118.50		ch		-100% recovery, fairly solid core.	1-2	16281	117.00	118.50	1.50	150		1.2		
118.50	120.00		ch		-100% recovery, moderately to badly broken core.	1-2	16282	118.50	120.00	1.50	130		<.2		
120.00	121.50		ch		-100% recovery, moderately to badly broken core.	2-3	16283	120.00	121.50	1.50	370		1.0		
121.50	123.00		ch,sr		-100% recovery, moderately broken core, at 121.50 to 121.80 - moderate to strong replacement by sericite.	1-2	16284	121.50	123.00	1.50	130		<.2		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
123.00	124.50			ch	-100% recovery, moderately to badly broken core.	1-2	16285	123.00	124.50	1.50	35		<.2		
124.50	126.10			ch 20	-100% recovery, moderately broken core, a few quartz veins 2 - 3 mm wide mostly at 20 degrees to core axis, the end of the interval weakly sericitized.	2-3	16286	124.50	126.10	1.60	310		1.6		
126.10	128.18				Section very strongly to completely replaced by sericite and in a few places by clay with 1 - 5% disseminated pyrite.										
126.10	127.10			sr	-100% recovery, strongly broken core.	1-5	16287	126.10	127.10	1.00	270		<.2		
127.10	128.18			sr	-100% recovery, strongly broken core.	1-5	16288	127.10	128.18	1.08	75		0.4		
128.18	130.00			ch	-100% recovery, moderately broken core, calcite and sericite on fractures.	1-2	16289	128.18	130.00	1.88	60		<.2		
130.00	131.50			ch	-100% recovery, moderately broken core, calcite and sericite on fractures.	1-2	16290	130.00	131.50	1.50	120		<.2		
131.50	133.00			ch	-100% recovery, moderately broken core, calcite and sericite on fractures.	2-3	16291	131.50	133.00	1.50	270		<.2		
133.00	134.50			ch	-100% recovery, moderately broken core, calcite and sericite on fractures.	2-3	16292	133.00	134.50	1.50	270		<.2		
134.50	136.00			45	-100% recovery, moderately to strongly broken core, at 135.80 to 135.90 - vein containing 80 - 90% massive pyrite at approximately 45 degrees to core axis.	2-3,85	16293	134.50	136.00	1.50	210		3.2		
136.00	137.90			ch 50	-100% recovery, moderately to badly broken core, one calcite vein 2 cm wide at 50 degrees to core axis. Interval moderately to very strongly replaced by sericite and in a few places by clay, disseminated pyrite 1-2%.	1-2	16294	136.00	137.90	1.90	200		0.4		
137.90	142.13				DIORITE Almost white due to moderate to strong sericitization, in places weak silicification. Very weakly preserved fabric. Disseminated pyrite 1 - 3%.										
137.90	139.40			sr	-100% recovery, moderately to badly broken core.	1-3	16295	137.90	139.40	1.50	560		0.4		
139.40	140.90			sr	-100% recovery, moderately broken core, a few fractures are filled with sericite and clays (different attitudes).	-	16296	139.40	140.90	1.50	460		0.6		
140.90	142.13			sr	-100% recovery, moderately broken core, a few fractures are filled with sericite and clay (different attitudes).	1-3	16297	140.90	142.13	1.23	400		0.4		
142.13	150.40				APHANITIC DACITE Medium grey aphanitic rock. Moderate silicification and in sections sericitization. The rock is brecciated in many parts and healed by quartz. There are some 1 - 3 mm wide calcite-quartz veins at different attitudes. Pyrite content is 1 - 3%. It occurs as disseminated crystals up to 1 mm in size and much less often as blebs up to 0.5 cm in size.										

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
142.13	143.50		sr		-100% recovery, moderately to badly broken core, in places moderate sericite replacement.	1-2	16298	142.13	143.50	1.37	140		0.4		
143.50	145.00		sr		-100% recovery, moderately to badly broken core, in places moderate sericite relacement.	2-3	16299	143.50	145.00	1.50	180		0.4		
145.00	146.50		sr		-100% recovery, moderately to badly broken core, in places moderate sericite replacement.	2-3	16300	145.00	146.50	1.50	770		0.6		
146.50	148.00		sr		-100% recovery, moderately to badly broken core, in places moderate sericite replacement.	2-3	16301	146.50	148.00	1.50	920		0.4		
148.00	149.50		sr	60	-100% recovery, moderately to badly broken core, in places moderate sericite replacement, at 148.00 - there is a 2 cm sericite-clay vein at 60 degrees to core axis.	2-3	16302	148.00	149.50	1.50	620		0.6		
149.50	150.40		sr		-100% recovery, moderately to badly broken core, in places moderate sericite replacement.	2-3	16303	149.50	150.40	.90	460		0.4		
150.40	156.40				DIORITE Light grey, medium grained rock. Mafic minerals are completely chloritized and diffused. The whole interval is weakly to moderately sericitized and in sections silicified. The rock texture is weakly preserved. There are some quartz and calcite-quartz veins 0.1 - 1.0 cm wide at different attitudes. Pyrite 1 - 2% as disseminated euhedral to anhedral crystals up to 1 mm in size sporadically as small blebs up to 3 - 4 mm in size.										
150.40	152.00		sr		-100% recovery, fairly solid core, weak to moderate sericitization.	1-2	16304	150.40	152.00	1.60	360		<.2		
152.00	153.50		sr		-100% recovery, fairly solid core, weak to moderate sericitization.	1-2	16305	152.00	153.50	1.50	200		<.2		
153.50	155.00		sr		-100% recovery, solid core.	1-2	16306	153.50	155.00	1.50	170		0.4		
155.00	156.40		sr,cl		-100% recovery, solid core, at 156.00 to 156.40 - the rock is strongly to completely replaced by sericite and clay.	1-2	16307	155.00	156.40	1.40	150		0.6		
156.40	159.60				APHANITIC RHYOLITE ? Light creamy rock, near the bottom intercalated with aphanitic andesite. Traces of pyrite.										
156.40	158.00		sr,cl		-100% recovery, moderately to badly broken core, at 156.50 to 156.67 - strongly brecciated rock, healed by sericite and clay.	tr	16308	156.40	158.00	1.60	30		0.4		
158.00	159.60				-100% recovery, fairly broken core.	tr	16309	158.00	159.60	1.60	20		<.2		
159.60	188.00				APHANITIC ANDESITE Dark green moderately chloritized rock. Very few quartz and calcite-quartz veins at different attitudes. Near the top the rock is mixed with aphanitic dacite and/or rhyolite? To the bottom the rock becomes fine grained, passing very gradually to diorite. Pyrite up to 3% as disseminated cubes, much less often as patches up to 1 cm in size, sporadically as 1 - 2 mm wide veins at different attitudes.										

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
159.60	161.00		ch		-100% recovery, fairly solid core, the rock is mixed with aphanitic dacite or rhyolite?	<1	16310	159.60	161.00	1.40	110		<.2		
161.00	162.50		ch		-100% recovery, fairly solid core, the rock is mixed with aphanitic dacite or rhyolite?	<1	16311	161.00	162.50	1.50	160		0.4		
162.50	164.00		ch	30	-100% recovery, solid to strongly broken core, one calcite-quartz vein 0.5 cm wide at 30 degrees to core axis, at 162.90 to 163.40 - increased pyrite content to 3 - 5% and strong sericite replacement in places.	3-5	16312	162.50	164.00	1.50	480		0.4		
164.00	165.50		ch	75	-100% recovery, moderately to strongly broken core, some quartz veins mostly at 75 degrees to core axis.	2-3	16313	164.00	165.50	1.50	75		<.2		
165.50	167.00		ch	30	-100% recovery, solid core, one pyrite vein 1 mm wide at 30 degrees to core axis.	1-2	16314	165.50	167.00	1.50	70		<.2		
167.00	168.50		ch		-100% recovery, fairly solid core.	1-2	16315	167.00	168.50	1.50	50		<.2		
168.50	170.00		ch		-100% recovery, fairly solid core.	1-2	16316	168.50	170.00	1.50	140		<.2		
170.00	171.50		ch		-100% recovery, fairly solid core.	<1	16317	170.00	171.50	1.50	85		0.4		
171.50	173.00		ch		-100% recovery, fairly solid core.	1-2	16318	171.50	173.00	1.50	70		<.2		
173.00	174.50		ch		-100% recovery, fairly solid core.	<1	16319	173.00	174.50	1.50	70		0.4		
174.50	176.00		ch	45	-100% recovery, moderately to strongly broken core, one pyrite vein 1 mm wide at 45 degrees to core axis.	<1	16320	174.50	176.00	1.50	200		<.2		
176.00	177.50		ch,sr		-100% recovery, mostly badly broken core, at 177.10 to 177.40 - moderate to strong sericite replacement.	<1	16321	176.00	177.50	1.50	60		0.4		
177.50	179.00		ch		-100% recovery, solid to badly broken core.	<1	16322	177.50	179.00	1.50	55		<.2		
179.00	180.50		ch		-80% recovery, solid core, at 179.80 to 180.50 - badly broken core to rock chips (some of them rounded) = Fault Zone.	<1	16323	179.00	180.50	1.50	110		<.2		
180.50	182.00		ch		-80% recovery, at 180.50 to 181.00 - mostly rock chips, the remainder fairly broken core.	<1	16324	180.50	182.00	1.50	210		0.6		
182.00	183.50		ch	80	-100% recovery, moderately to strongly broken core, at 182.30 to 183.50 - dyke of aphanitic dark grey dacite and a few veins of pyrite 1 mm wide at 60 degrees to core axis, two quartz veins 1 cm wide at 80 degrees to core axis.	1-2	16325	182.00	183.50	1.50	670		1.0		
183.50	185.00		ch		-100% recovery, moderately broken core.	tr	16326	183.50	185.00	1.50	50		<.2		
185.00	186.50		ch		-100% recovery, fairly solid core, fine grained texture.	<1	16327	185.00	186.50	1.50	150		1.0		
186.50	188.00		ch		-100% recovery, fairly solid core, fine grained texture.	-	16328	186.50	188.00	1.50	210		0.6		
188.00	207.50				DIORITE Same as 150.40 to 156.40 interval.										
188.00	189.50			30	-100% recovery, solid core, a few quartz and pyrite veins 1 - 3 mm wide at 30 degrees to core axis.	1-2	16329	188.00	189.50	1.50	75		0.6		
189.50	191.00				-100% recovery, fairly solid core.	1-2	16330	189.50	191.00	1.50	470		1.0		
191.00	192.50			30	-100% recovery, fairly solid core, a few quartz veins mostly at 30 degrees to core axis.	1-2	16331	191.00	192.50	1.50	500		2.2		
192.50	194.00				-100% recovery, fairly solid core.	1-2	16332	192.50	194.00	1.50	440		0.6		
194.00	195.50			60	-100% recovery, fairly solid core, a few 1 mm wide pyrite veins at approximately 60 degrees to core axis.	1-2	16333	194.00	195.50	1.50	200		0.4		

DIAMOND DRILL HOLE REPORT

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FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
195.50	197.00				-100% recovery, fairly solid core.	1-2	16334	195.50	197.00	1.50	770		0.6		
197.00	198.50				-100% recovery, fairly solid core.	1-2	16335	197.00	198.50	1.50	980		0.6		
198.50	200.00				-100% recovery, fairly solid core.	1-2	16336	198.50	200.00	1.50	580		0.8		
200.00	201.50				-100% recovery, fairly solid core.	1-2	16337	200.00	201.50	1.50	700		0.8		
201.50	203.00				-100% recovery, fairly solid core.	1-2	16338	201.50	203.00	1.50	170		0.4		
203.00	204.50				-100% recovery, fairly solid core.	1-2	16339	203.00	204.50	1.50	710		1.0		
204.50	206.00				-100% recovery, fairly solid core, at 204.80 to 204.90 - rock chips and sericitic gouge = Fault Zone.	<1	16340	204.50	206.00	1.50	830		1.0		
206.00	207.50				-100% recovery, fairly solid core.	1-2	16341	206.00	207.50	1.50	570		1.0		
207.50	212.28				DIORITE The interval is much more strongly silicified than diorite intervals lying above. In sections the rock is intercalated with aphanitic dacite.										
207.50	209.00		s		-100% recovery, moderately to badly broken core.	<1	16342	207.50	209.00	1.50	550		1.2		
209.00	210.50		s		-100% recovery, moderately to badly broken core.	<1	16343	209.00	210.50	1.50	>1000	.055	2.6		
210.50	212.28		s	80	-100% recovery, solid core, a few quartz veins 0.5 cm wide at 80 degrees to core axis.	1-2	16344	210.50	212.28	1.78	>1000	.029	2.0		
212.28					END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-7	Bearing	-151	Depth Dip Azimuth Test	Depth Dip Azimuth Test	Started	SEPT.28,1989	Logged by	A. WALUS
Property	TANTALUS	Dip-Collar	-80			Completed	OCT.1,1989	Checked by	
Location	ISKUT	Length	123.52			Drill Co.	FALCON	Core	BGM
NTS	104B/9E	Units	METRES			Drill No.		Target	"SKARN"
Claim No.	TR 5	Elevation	1555.00			Drill For.		Comments:	

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	3.66				CASING - OVERBURDEN										
3.66	17.90				DIORITE Greenish-grey coloured, medium grained, equigranular diorite. Mafic minerals completely chloritized. There are some calcite, epidote and hematite veins 1 - 3 mm wide mostly at 30 to 40 degrees to core axis. Traces of pyrite.										
3.66	5.20				-90% recovery, moderately to strongly broken core.	tr	16345	3.66	5.20	1.54	25		0.4		
5.20	7.00				-95% recovery, moderately to strongly broken core, at 5.20 to 5.55 - badly broken core and rock chips with minor limonite, a few slicken-sides were noted = Fault Zone.	tr	16346	5.20	7.00	1.80	5		<.2		
7.00	8.50				-100% recovery, fairly solid core.	tr	16347	7.00	8.50	1.50	<5		<.2		
8.50	10.00				-100% recovery, fairly solid core.	-	16348	8.50	10.00	1.50	10		<.2		
10.00	11.50				-100% recovery, fairly solid core.	tr	16349	10.00	11.50	1.50	5		<.2		
11.50	13.00			30	-100% recovery, fairly solid core, a few calcite, hematite and epidote veins 1 - 3 mm wide mostly at 30 degrees to core axis.	tr	16350	11.50	13.00	1.50	25		<.2		
13.00	14.50			40	-100% recovery, fairly solid core, some calcite, hematite and epidote veins approximately 40 degrees to core axis.	tr	16351	13.00	14.50	1.50	5		<.2		
14.50	16.00				-100% recovery, moderately broken core.	tr	16352	14.50	16.00	1.50	5		<.2		
16.00	17.90				-100% recovery, fairly solid core, some calcite, hematite and epidote veins at approximately 40 degrees to core axis.	tr	16353	16.00	17.90	1.90	10		<.2		
17.90	19.20				ANDESITE TUFF - CONTACT WITH DIORITE Interval in most parts strongly altered to sericite and lesser clays. In some sections also strongly silicified and oxidized to limonite. Disseminated pyrite 1 - 2%.										
17.90	19.20		sr,d,s		-90% recovery, badly broken core to rock chips, at 18.20 to 18.30 - strongly limonitic rock chips and gouge = Fault Zone.	1-2	16354	17.90	19.20	1.30	340		1.2		
19.20	39.04				ANDESITE TUFF Dark green coloured rock with very vague texture due to strong chloritization and less advanced silicification and possibly K-feldspar alteration. There are some calcite and quartz veins 1 - 3 mm wide at different attitudes. In most of the interval pyrite content up to 2%.										

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
19.20	20.74		ch,s,k?		-100% recovery, moderately broken core, at 20.54 to 20.74 - rock chips and clays-limonite gouge = Fault Zone.	tr	16355	19.20	20.74	1.54	130		<.2		
20.74	22.00		ch,s,k?		-90% recovery, mostly badly broken core.	tr	16356	20.74	22.00	1.26	100		<.2		
22.00	23.50		ch,s,k?	45	-100% recovery, moderately to badly broken core, a few calcite veins mostly at 45 degrees to core axis.	tr	16357	22.00	23.50	1.50	25		0.8		
23.50	25.00		ch,s,k?		-90% recovery, mostly badly broken core, at 24.60 to 24.75 - slightly limonitic small rock chips = Fault Zone.	tr	16358	23.50	25.00	1.50	20		0.4		
25.00	26.50		ch,s,k?		-90% recovery, mostly badly broken core, in sections strong silicification, some irregular quartz-calcite veining at different attitudes, minor limonite, at 26.10 to 26.30 - small limonitic rock chips = Fault Zone.	1-2	16359	25.00	26.50	1.50	100		0.4		
26.50	28.00		ch,s,k?	30	-100% recovery, moderately to badly broken core, a few pyrite veins 1 mm wide at 30 degrees to core axis.	1-2	16360	26.50	28.00	1.50	>1000	.149/.105	1.2		
28.00	29.50		ch,s,k?		-100% recovery, fairly broken core, minor limonite.	1-2	16361	28.00	29.50	1.50	300		<.2		
29.50	31.00		ch,s,k?		-90% recovery, moderately broken core, at 30.20 to 31.00 - rock chips and minor limonite.	1-2	16362	29.50	31.00	1.50	510		1.0		
31.00	32.50		ch,s,k?		-90% recovery, badly broken core to rock chips, there is some limonite and a few slickensides were noted.	2-3	16363	31.00	32.50	1.50	90		0.4		
					Fault Zone Within Andesite Tuff from 30.20 to 39.04 m.										
32.50	34.00		ch,s,k?		-90% recovery, badly broken core to rock chips, there is some limonite and a few slickensides were noted, there is limonitic gouge in a few places.	1-2	16364	32.50	34.00	1.50	70		0.4		
34.00	35.50		ch,s,k?		-90% recovery, badly broken core to rock chips, there is some limonite and a few slickensides were noted, there is limonitic gouge in a few places.	1-2	16365	34.00	35.50	1.50	80		<.2		
35.50	37.50		ch,s,k?		-80% recovery, badly broken core to limonitic rock chips, a few slickensided surfaces were seen.	1-2	16366	35.50	37.50	2.00	10		0.4		
37.50	39.04		ch,s,k?		-80% recovery, badly broken core to limonitic rock chips, a few slickensided surfaces were seen.	1-2	16367	37.50	39.04	1.54	65		0.4		
39.04	44.24				SULPHIDE ZONE - "SKARN" Mineralization developed in andesite tuff is represented by massive to semimassive pyrite , lesser as disseminated euhedral to subhedral crystals up to 2 mm in size. Sporadically 1 - 2 mm pyrite veins having attitude of 40 to 60 degrees to core axis were noted. Pyrite content ranges from 5 - 40%. At 39.04 to 42.09 interval, part of the core was lost due to mislatching, recovery was about 50%.										
39.04	40.00		ch,s		-40% recovery, fairly broken core.	5-7	16368	39.04	40.00	.96	120		0.6		
40.00	41.00		ch,s	40	-40% recovery, fairly broken core, two pyrite veins 1 mm wide at 40 degrees to core axis.	15-20	16369	40.00	41.00	1.00	300		1.0		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
63.10	68.50				SULPHIDE ZONE The zone developed in porphyritic dacite is formed by pyrite occuring mostly as massive to semimassive variety, lesser as disseminated crystals and occasionally as 1 - 5 mm wide often irregular veins at 40 to 60 degrees to core axis. Pyrite content is 7 - 10%. Strong silicification.										
63.10	64.20		s	50	-95% recovery, at 63.10 to 63.70 - mostly rock chips and gouge = Fault Zone, the remainder is moderately broken core, a few veins of pyrite up to 5 mm wide at 40 to 60 degrees to core axis.	-	16385	63.10	64.20	1.10	>1000	.041	0.8		
64.20	65.30		s	40	-100% recovery, moderately broken core, a few pyrite veins at 40 degrees to core axis.	7-10	16386	64.20	65.30	1.10	540		0.8		
65.30	66.40		s	40	-100% recovery, moderately broken core, a few pyrite veins at 40 degrees to core axis.	7-10	16387	65.30	66.40	1.10	880		0.6		
66.40	67.50		s		-100% recovery, solid core.	7-10	16388	66.40	67.50	1.10	600		0.4		
67.50	68.50		s	45	-100% recovery, fairly solid core, some pyrite veins up to 5 mm wide approximately 45 degrees to core axis.	7-10	16389	67.50	68.50	1.00	650		0.6		
68.50	103.20				FELDSPAR PORPHYRITIC DACITE ? As described in the interval 55.00 to 63.10 m.										
68.50	70.00		s		-100% recovery, moderately broken core.	2-3	16390	68.50	70.00	1.50	190		0.4		
70.00	71.50		s		-100% recovery, moderately broken core, the rock is weakly brecciated and healed partly by pyrite.	3-5	16391	70.00	71.50	1.50	450		0.4		
71.50	73.00		s	40	-100% recovery, badly broken core to rock chips, two pyrite veins 2 mm wide at 20 degrees to core axis, and two pyrite veins 1 - 2 cm wide at 60 degrees to core axis, some fractures are covered by pyrite. Probable Fault Zone.	3-5	16392	71.50	73.00	1.50	760		0.4		
73.00	74.50		s	20	-100% recovery, badly broken core to rock chips = Fault Zone. A few pyrite veins 1 - 2 mm wide at 20 degrees to core axis.	3-5	16393	73.00	74.50	1.50	560		0.4		
74.50	76.00		s		-100% recovery, moderately broken core, at 75.64 to 75.71 - section of 80 - 90% massive pyrite, a few pyrite veins 1 - 2 mm wide at different attitudes.	3-5,85	16394	74.50	76.00	1.50	740		1.0		
76.00	77.50		s		-100% recovery, moderately broken core.	2-3	16395	76.00	77.50	1.50	390		0.2		
77.50	79.00		s	45	-100% recovery, at 78.00 to 78.50 - badly broken core to small rock chips = Fault Zone. The remainder moderately broken core, a few pyrite veins mostly at 45 degrees to core axis.	3-5	16396	77.50	79.00	1.50	330		0.4		
79.00	80.50		s		-90% recovery, fairly broken core, at 79.00 to 79.40 - small rock chips and gouge = Fault Zone.	2-3	16397	79.00	80.50	1.50	560		<.2		
80.50	82.00		s		-95% recovery, moderately broken core, at 81.20 to 81.70 - all rubble and rock chips = Fault Zone.	2-3	16398	80.50	82.00	1.50	150		0.2		
82.00	83.50		s		-100% recovery, fairly solid core.	2-3	16399	82.00	83.50	1.50	60		0.6		
83.50	85.00		s		-100% recovery, moderately to badly broken core, some hematite and limonite on fractures.	1-2	16400	83.50	85.00	1.50	140		0.4		
85.00	86.50			20	-100% recovery, moderately broken core, at 86.10 to 86.30 - all rubble and rock chips = Fault Zone. A few quartz-epidote veins 1 - 5 mm	2-3	16401	85.00	86.50	1.50	480		0.4		

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
					wide mostly at 20 degrees to core axis.										
86.50	88.00				-100% recovery, fairly solid core.	1-2	16402	86.50	88.00	1.50	75		0.4		
88.00	89.50				-100% recovery, fairly solid core.	2-3	16403	88.00	89.50	1.50	150		0.6		
89.50	91.00				-100% recovery, fairly solid core, there are some calcite and quartz-pyrite-epidote veins 2 - 10 mm wide at different attitudes.	1-2	16404	89.50	91.00	1.50	110		0.4		
91.00	92.50			30	-100% recovery, fairly solid core, there are some calcite-hematite veins 2 - 5 mm wide mostly at 30 degrees to core axis.	2-3	16405	91.00	92.50	1.50	65		0.4		
92.50	94.00				-100% recovery, moderately broken core, some calcite and hematite on fractures.	2-3	16406	92.50	94.00	1.50	210		0.4		
94.00	95.50				-100% recovery, moderately to strongly broken core, some calcite and hematite on fractures.	3-5	16407	94.00	95.50	1.50	730		0.8		
95.50	97.00			70	-100% recovery, moderately to badly broken core, one pyrite vein at 70 degrees to core axis, calcite and hematite on fractures.	1-2	16408	95.50	97.00	1.50	110		0.8		
97.00	98.50				-100% recovery, moderately broken core, minor calcite, hematite and sericite on fractures.	1-2	16409	97.00	98.50	1.50	530		1.2		
98.50	100.00				-100% recovery, moderately broken core, minor calcite, hematite and sericite on fractures.	2-3	16410	98.50	100.00	1.50	290		0.6		
100.00	101.10			45	-100% recovery, moderately broken core, minor calcite, hematite and sericite on fractures, there are a few epidote veins 1 - 2 mm wide mostly at 45 degrees to core axis.	2-3	16411	100.00	101.10	1.10	530		0.6		
101.10	101.32				Section with 40 - 50% massive pyrite.										
101.10	101.32				-100% recovery, moderately broken core.	40-50	16412	101.10	101.32	.22	>1000	.114/.106	3.6		
101.32	103.20				-100% recovery, moderately broken core.	2-3	16413	101.32	103.20	1.88	370		0.4		
103.20	104.80				ANDESITE Greenish-grey, very fine grained rock. Pyrite content is <1%, mostly in small (2 - 3 mm) amygdules together with quartz and calcite, lesser as disseminated grains.										
103.20	104.80				-100% recovery, solid core.	<1	16414	103.20	104.80	1.60	70		0.4		
104.80	123.52				MIXED DACITE AND ANDESITE PYROCLASTICS Grey coloured pyroclastic rock composed of angular fragments up to 2 cm in size of light brown aphanitic dacite and dark green andesite set in abundant altered groundmass. Fractures are covered by calcite, sericite and hematite. Pyrite up to 3%, mostly as disseminated crystals, lesser as tiny blebs.										
104.80	106.30				-100% recovery, moderately to badly broken core.	<1	16415	104.80	106.30	1.50	85		0.6		
106.30	108.00				-100% recovery, moderately to badly broken core, calcite, sericite and hematite on fractures.	2-3	16416	106.30	108.00	1.70	280		0.2		
108.00	109.50				-100% recovery, mostly badly broken core, at 108.50 to 109.00 - mostly rubble and rock chips and surface with slickensides; calcite, sericite and hematite on fractures = Fault Zone.	<1	16417	108.00	109.50	1.50	70		0.4		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
109.50	111.00				-100% recovery, moderately to badly broken core, calcite, sericite and hematite on fractures.	<1	16418	109.50	111.00	1.50	100		0.2		
111.00	112.50				-100% recovery, moderately to badly broken core, calcite, sericite and hematite on fractures.	<1	16419	111.00	112.50	1.50	85		0.4		
112.50	114.00				-100% recovery, moderately to badly broken core, at 112.50 to 113.00 - all rubble and rock chips and gouge = Fault Zone.	2-3	16420	112.50	114.00	1.50	110		1.2		
114.00	115.50				-100% recovery, fairly solid core.	2-3	16421	114.00	115.50	1.50	60		0.6		
115.50	117.00				-100% recovery, fairly solid core, minor calcite and sericite on fractures.	2-3	16422	115.50	117.00	1.50	15		0.8		
117.00	118.50			30	-100% recovery, fairly solid core, minor calcite and sericite on fractures, two pyrite veins 1 mm wide at 30 degrees to core axis.	2-3	16423	117.00	118.50	1.50	30		1.2		
118.50	120.00				-100% recovery, fairly solid core, minor calcite and sericite on fractures.	1-2	16424	118.50	120.00	1.50	30		1.0		
120.00	121.50				-100% recovery, fairly solid core, minor calcite and sericite on fractures.	1-2	16425	120.00	121.50	1.50	40		1.0		
121.50	123.52				-100% recovery, moderately to badly broken core.	-	16426	121.50	123.52	2.02	250		2.0		
	123.52				END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-8	Bearing	-130	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	OCT. 1, 1989	Logged by A. WALUS
Property	TANTALUS	Dip-Collar	-45									Completed	OCT. 4, 1989	Checked by
Location	ISKUT	Length	57.34									Drill Co.	FALCON	Core BGM
NTS	104B/9E	Units	METRES									Drill No.		Target
Claim No.	TR 5	Elevation	1590.00									Drill For.		Comments:

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	10.37				CASING - OVERBURDEN										
10.37	57.34				Mostly andesite lapilli-tuff but other rock types were noted too. Very poor recovery ranging from 10 to 20%. Mostly rubble and rock chips (often rounded), sporadically short pieces of core. All these strongly suggest that the hole was drilled in talus, that is why no no samples were taken.										
	57.34				END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-9	Bearing	-130	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	OCT. 4, 1989
Property	TANTALUS	Dip-Collar	-55									Completed	OCT. 6, 1989
Location	ISKUT	Length	20.74									Drill Co.	FALCON
NTS	104B/9E	Units	METRES									Drill No.	
Claim No.	TR 5	Elevation	1590.00									Drill For.	

Logged by	A. WALUS															
Checked by																
Core	BGM															
Target																
Comments:																

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	4.27				CASING - OVERBURDEN										
4.27	20.74				Mostly andesite lapilli-tuff but some other rock types were noted. Very poor recovery ranging from 10 to 20%. Mostly rubble and rock chips (often rounded). All these strongly indicate that the hole was drilled in talus, that is why no samples were taken.										
	20.74				END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No. TA 89-10 | Bearing -151 | Depth Dip Azimuth Test | Depth Dip Azimuth Test | Started OCT. 6, 1989 | Logged by A. WALUS
Property TANTALUS | Dip-Collar -55 | Completed OCT. 9, 1989 | Checked by
Location ISKUT | Length 79.30 | Drill Co. FALCON | Core B6M
NTS 104B/9E | Units METRES | Drill No. | Target
Claim No. TR 5 | Elevation 1555.00 | Drill For. | Comments: "SKARN"

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	3.05				CASING - OVERBURDEN										
3.05	4.27				OVERBURDEN Mostly rounded rock chips of different kinds of rocks.										
4.27	15.50				ANDESITE LAPILLI - CRYSTAL TUFF Dark green to reddish-green rock, moderate chloritization, in sections presence of disseminated hematite. No visible sulphides.										
4.27	7.32		ch		-30% recovery, moderately broken core to rock chips.	-	16427	4.27	7.32	3.05	20		.6		
7.32	8.82		ch		-40% recovery, moderately broken core to rock chips.	-	16428	7.32	8.82	1.50	65		1.0		
8.82	10.37		ch		-40% recovery, moderately broken core to rock chips.	-	16429	8.82	10.37	1.55	20		.8		
10.37	11.87		ch	45	-65% recovery, moderately broken core, at the end of the interval some calcite veins 1 - 4 mm wide mostly at 45 degrees to core axis.	-	16430	10.37	11.87	1.50	10		.8		
11.87	13.70		ch	45	-65% recovery, moderatey to badly broken core, at the beginning of the interval some calcite veins 1 - 4 mm wide at 45 degrees to core axis.	-	16431	11.87	13.70	1.83	.8		10		
13.70	15.50		ch		-65% recovery, badly broken core to rock chips.	-	16432	13.70	15.50	1.80	10		.8		
15.50	39.80				ANDESITE Dark green very fine grained rock, moderate chloritization. In sections weak to moderate epidote alteration and presence of reddish aphanitic dacite (?) in the form of very irregular areas with unclear diffused borders. Some calcite, quartz, epidote, pyrite veins 1 - 10 mm wide at different attitudes. Very common hematite on fractures. Pyrite content up to 5% as disseminations, sporadically as semi-massive to massive. It is strongly related to epidote altered sections with dacite (?) insertions.										
15.50	17.00		ch		-95% recovery, moderately broken core to rock chips.	<1	16433	15.50	17.00	1.50	15		.8		
17.00	18.50		ch		-95% recovery, moderately broken core to rock chips.	<1	16434	17.00	18.50	1.50	40		.8		
18.50	20.00		ch		-95% recovery, at 18.80 to 19.10 - rubble and rounded rock chips (fault), the remainder is badly broken core.	<1	16435	18.50	20.00	1.50	10		.4		
20.00	21.80		ch		-60% recovery, mostly slightly limonitic rubble and rounded rock chips - fault zone?	<1	16436	20.00	21.80	1.80	55		.6		
21.80	23.30		ch		-85% recovery, mostly badly broken core.	<1	16437	21.80	23.30	1.50	200		.4		
23.30	25.00		ch		-85% recovery, mostly badly broken core.	<1	16438	23.30	25.00	1.70	70		.4		

DIAMOND DRILL HOLE REPORT

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
25.00	26.50		ch,e		-100% recovery, moderately broken core, moderate epidote alteration, at 25.90 to 26.30 - the rock intruded (very irregularly) by reddish aphanitic dacite (?), at the same interval the most intense epidote alteration and elevated pyrite content.	1-3	16439	25.00	26.50	1.50	70		.6		
26.50	28.00		ch		-100% recovery, moderately to badly broken core, minor epidote alteration.	tr	16440	26.50	28.00	1.50	50		.8		
28.00	29.50		ch		-100% recovery, moderately to badly broken core, some calcite, quartz, epidote veining at different attitudes, weak pervasive epidote alteration.	1-2	16441	28.00	29.50	1.50	45		.6		
29.50	31.00		ch,e		-100% recovery, moderately to badly broken core, in sections epidote alteration and irregular insertions of dacite? (rather of replacement type); pyrite as disseminated grains.	2-5	16442	29.50	31.00	1.50	320		1.2		
31.00	32.50		ch,e	80	-100% recovery, moderately to badly broken core, in sections epidote alteration and irregular insertions of dacite? (rather of replacement type), a few calcite-epidote-pyrite veins at approximately 80 degrees to core axis.	<1	16443	31.00	32.50	1.50	85		.8		
32.50	34.00		ch,e	50	-Same as 16442 interval and at 33.10 - 1 cm wide vein containing 40 - 50% semimassive pyrite at 50 degrees to core axis.	1-2	16444	32.50	34.00	1.50	35		.4		
34.00	35.50		ch,e		-Same as 16442 interval.	3-5	16445	34.00	35.50	1.50	90		.4		
35.50	37.00		ch	70	-100% recovery, moderately to badly broken core, one epidote vein 2 - 3 mm wide at 70 degrees to core axis.	1-2	16446	35.50	37.00	1.50	110		.4		
37.00	38.50		ch,e		-100% recovery, moderately to badly broken core, the interval is moderately epidotized and very irregularly replaced by reddish aphanitic dacite (?), pyrite 3 - 5% as disseminated grains, sporadically as semimassive to massive.	3-5	16447	37.00	38.50	1.50	430		2.6		
38.50	39.80			45	-Same as 16447 interval, and there is one irregular pyrite vein 2 - 3 mm wide at 45 degrees to core axis.	3-5	16448	38.50	39.80	1.30	230		.4		
39.80	66.40				FELDSPAR PORPHYRITIC DACITE OR ANDESITE - SULPHIDE ZONE Grey coloured rock consisting of 20 - 30% feldspar phenocrysts 2 - 5 mm in length set in aphanitic groundmass. In sections the texture is very poorly preserved. Alterations include weak to moderate silicification, chloritization and epidotization. In some places there are very irregular insertions of reddish aphanitic dacite (?) with unclear diffused borders. There are very few quartz and epidote veins 1 - 5 mm wide mostly at 20 to 45 degrees to core axis. Pyrite occurs as disseminated euhedral to anhedral crystals up to 2 mm in size and as a massive form as blebs and irregular replacement patches, spordically forming 3 - 10 mm wide veins having attitudes of 20 to 45 degrees to core axis. Pyrite content ranges from 2 to 10%.										
39.80	41.00		s	45	-100% recovery, fairly solid core, a few quartz veins 1 - 2 mm wide at 45 degrees to core axis.	5-7	16449	39.80	41.00	1.20	380		.6		
41.00	42.00		s	45	-100% recovery, fairly solid core, a few quartz veins 1 - 2 mm wide at 45 degrees to core axis.	5-7	16450	41.00	42.00	1.00	190		.4		

DIAMOND DRILL HOLE REPORT

HOLE # : IA 89-10 PAGE # 3 of 4

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
42.00	43.00				-100% recovery, moderately broken core.	2-3	16451	42.00	43.00	1.00	90		.4		
43.00	44.00				-100% recovery, moderately broken core.	3-5	16452	43.00	44.00	1.00	65		.2		
44.00	45.00				-95% recovery, at 44.00 to 44.50 - badly broken core, at 44.50 to 45.00 - all rubble and rock chips (fault zone?).	3-5	16453	44.00	45.00	1.00	70		.6		
45.00	46.00				-90% recovery, all rubble and rock chips with minor limonite - fault zone?	5-7	16454	45.00	46.00	1.00	430		1.0		
46.00	47.00		ch		-100% recovery, badly broken core.	7-10	16455	46.00	47.00	1.00	260		.6		
47.00	48.00		ch	30	-100% recovery, badly broken core, there is one veins of massive pyrite 1 cm wide at 30 degrees to core axis.	5-7	16456	47.00	48.00	1.00	280		.8		
48.00	49.00			45	-100% recovery, fairly broken core, one pyrite vein 0.5 cm wide at 45 degrees to core axis.	5-7	16457	48.00	49.00	1.00	110		.8		
49.00	50.00		s		-100% recovery, moderately to badly broken core.	5-7	16458	49.00	50.00	1.00	290		.8		
50.00	51.00		s		-100% recovery, mostly badly broken core.	5-7	16459	50.00	51.00	1.00	260		.6		
51.00	52.00		s	45	-100% recovery, fairly solid core, one pyrite vein 0.5 cm wide at 45 degrees to core axis.	7-10	16460	51.00	52.00	1.00	520		.8		
52.00	53.00			20	-100% recovery, moderately broken core, one pyrite vein 3 mm wide at 20 degrees to core axis.	5-7	16461	52.00	53.00	1.00	510		1.7		
53.00	54.00				-100% recovery, moderately to badly broken core.	5-7	16462	53.00	54.00	1.00	>1000	.039	2.4		
54.00	55.00		e	45	-100% recovery, fairly solid core, the rock in sections intruded by reddish aphanitic dacite (?), a few quartz and epidote veins at 45 degrees to core axis.	5-7	16463	54.00	55.00	1.00	690		1.7		
55.00	56.00		s,e	45	-100% recovery, fairly solid core, interval intruded by aphanitic dacite (?), there are 2 pyrite veins 4 and 10 mm wide at 45 degrees to core axis.	5-7	16464	55.00	56.00	1.00	350		1.7		
56.00	57.00		e	45	-100% recovery, solid core, a few quartz veins at 45 degrees to core axis.	2-3	16465	56.00	57.00	1.00	390		1.0		
57.00	58.00				-100% recovery, moderately to badly broken core.	3-5	16466	57.00	58.00	1.00	490		1.8		
58.00	59.00		s,e		-100% recovery, fairly solid core, the rock intruded by aphanitic dacite(?).	3-5	16467	58.00	59.00	1.00	600		1.2		
59.00	60.00		s,e		-100% recovery, fairly solid core, the rock intruded by aphanitic dacite (?).	3-5	16468	59.00	60.00	1.00	700		1.2		
60.00	61.00		ch,e		-100% recovery, moderately broken core, at 60.60 to 61.00 - dyke of very fine grained andesite.	7-10	16469	60.00	61.00	1.00	>1000	.036/.043	2.6		
61.00	62.00				-100% recovery, moderately broken core.	3-5	16470	61.00	62.00	1.00	140		1.4		
62.00	63.00			30	-100% recovery, moderately broken core, one pyrite vein 1 cm wide at 30 degrees to core axis.	5-7	16471	62.00	63.00	1.00	780		12.0		
63.00	64.00		s,e		-100% recovery, fairly solid core, interval is strongly replaced by aphanitic dacite (?).	3-5	16472	63.00	64.00	1.00	380		.8		
64.00	65.00		s,e		-100% recovery, fairly solid core, interval is strongly replaced by aphanitic dacite (?).	3-5	16473	64.00	65.00	1.00	180		.8		
65.00	66.40				-100% recovery, moderately broken core, in many places the rock intruded by aphanitic dacite (?).	3-5	16474	65.00	66.40	1.40	170		1.0		
66.40	67.80				ANDESITE LAPILLI - TUFF ? -CONTINUATION OF SULPHIDE ZONE Very strongly chloritized rock but fragmented texture still										

GOAT TRAIL ZONE
SEE FIGURES 15 & 16

UPPER ZONE

TR 5
SW CORNER
TR 8

15378 - Cu >20,000, Ag >50, As >1000, Au 130 ppb
15379-190
15380-90
15381-280
15382-50
15383-0.062
15384-130
15385-940
15386-970
15387-260
15388-40
15389-110
15375-0.031
15376-0.039
15377-750

15937
-0.060

15304-450

MAIN GRID B.L.

KONKIN GOLD PIT

KONKIN ZONE
SEE FIGURES 9 & 10

L 6+00 N
L 5+00 N
L 4+00 N
L 3+00 N
L 2+00 N
L 1+00 N
L 0+00

2b
2f
2i
2o
2k
2h
2l

LEGEND:

- 2b — DIORITE
- 2f,g — ANDESITE LAPILLI – TUFF WITH DYKES OF APHANITIC ANDESITE
- 2h — HEAVILY SILICIFIED DIORITE WITH WEAKLY PRESERVED FABRIC CONTAINING DISSEMINATED PYRITE UP TO 3–5%
- 2i — SEDIMENTARY SEQUENCE OF ALTERNATING BEDS OF LIMESTONE, SILTSTONE, MUDSTONE, AND CONGLOMERATE, OFTEN SUBSTANTIALLY SILICIFIED WITH DISSEMINATED PYRITE (LESSER CHALCOPYRITE) UP TO 3–5% (MAX 10–20%) SEQUENCE IS CUT BY DYKES OF DIORITE (LESSER GRANITE, HORNBLENDE–AUGITE PORPHYRY AND MINOR RHYOLITE)
- 2j — SEDIMENTARY – VOLCANIC SEQUENCE CONSISTING OF ANDESITE CRYSTALLINE TUFF, ANDESITE LAPILLI–TUFF, VOLCANIC SANDSTONE AND IN LARGE PART, OF DARK BANDED SILTSTONE.
- 2k — ALTERATION ZONES WITH STRONG SERICITE, SILICA, PYRITE, LIMONITE, CLAYS, CALCITE, CHLORITE
- 2l — DOLOMITE
- 2m — SILICEOUS SHALE
- 2n — LIMESTONE
- 2o — ALTERED GRANITE (?)

TRACE OF AIRBORNE MAG TREND
TRACE OF GROUND MAG TRENDS TUETON GRID
△15937 / 0.060, 940 — ROCK SAMPLE LOCATION & ASSAY TAG NUMBER; GOLD IN oz/t, ppb
RAPPEL TRAVERSES

Au IN SOILS >2000 ppb
Au IN SOILS >1500 ppb

0 100 200
metres

OREQUEST

TANTALUS RESOURCES LTD.

Figure 6

TREATY CREEK PROJECT

NUNATAK GEOLOGICAL COMPILATION (EAST SHEET)

British Columbia
NTS: 104 B/9E

December 1989 Drafting: RWR

DIAMOND DRILL HOLE REPORT

HOLE # : TA 89-10 PAGE # 4 of 4

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
					recognisable. Pyrite 5 - 7% as blebs and irregular patches.										
66.40	67.80			ch	-100% recovery, moderately broken core, some limonite on fractures.	5-7	16475	66.40	67.80	1.40	660		3.4		
67.80	79.30				DIORITE Dark grey, medium grained, equigranular rock. Mafic minerals are completely chloritized. There are some calcite, epidote, hematite and quartz veins 1 - 10 mm wide at different attitudes. The top of interval is substantially chloritized and lesser sericitized. Pyrite up to 3% as disseminated grains.										
67.80	69.00			ch	-100% recovery, fairly solid core, strong chloritization.	2-3	16476	67.80	69.00	1.20	520		2.6		
69.00	70.50			sr	-100% recovery, moderately broken core, moderate sericitization.	<1	16477	69.00	70.50	1.50	70		1.2		
70.50	72.00				-100% recovery, fairly solid core.	<1	16478	70.50	72.00	1.50	25		.8		
72.00	73.50				-100% recovery, fairly solid core.	<1	16479	72.00	73.50	1.50	<5		.4		
73.50	75.00				-100% recovery, fairly solid core.	<1	16480	73.50	75.00	1.50	<5		.6		
75.00	76.50				-100% recovery, fairly solid core.	1-2	16481	75.00	76.50	1.50	30		.5		
76.50	78.00				-100% recovery, fairly solid core.	<1	16482	76.50	78.00	1.50	15		1.6		
78.00	79.30				-100% recovery, moderately to strongly broken core, minor limonite on fractures.	<1	16483	78.00	79.30	1.30	10		2.4		
	79.30				END OF HOLE										

DIAMOND DRILL HOLE REPORT

Hole No.	TA 89-11	Bearing	-151	Depth	Dip	Azimuth	Test	Depth	Dip	Azimuth	Test	Started	OCT. 9, 1989
Property	TANTALUS	Dip-Collar	-70									Completed	OCT. 9, 1989
Location	ISKUT	Length	10.06									Drill Co.	FALCON
NTS	104B/9E	Units	METRES									Drill No.	
Claim No.	TR 5	Elevation	1555.00									Drill For.	

Logged by A. WALUS
Checked by
Core BGM
Target "SKARN"
Comments:

FROM	TO	ROCK TYPE	ALT	FOL C/A	DESCRIPTION	% SULPHIDE	SAMPLE No.	FROM	TO	LENGTH	Au ppb	Au opst	Ag ppm	As ppm	Cu ppm
	2.74				CASING - OVERBURDEN										
2.74	10.06				ANDESITE LAPILLI - CRYSTAL TUFF Dark green, moderately chloritized rock. In places disseminated hematite. No visible sulphides.										
2.74	5.18			ch	-35% recovery, mostly badly broken core.	-	16484	2.74	5.18	2.44	5		.8		
5.18	7.01			ch	-40% recovery, mostly badly broken core.	-	16485	5.18	7.01	1.83	5		.8		
7.01	8.51			ch	-45% recovery, moderately broken core to rock chips.	-	16486	7.01	8.51	1.50	5		.4		
8.51	10.06			ch	-45% recovery, moderately broken core to rock chips.	-	16487	8.51	10.06	1.55	95		.6		
	10.06				END OF HOLE Drilling halted due to bad weather. Hole will be completed next year.										

APPENDIX B

ASSAY PROCEDURES AND REPORTS

T S L LABORATORIES
DIVISION OF BURGENER TECHNICAL ENTERPRISES LIMITED
2 - 302 - 48th STREET,
SASKATOON, SASKATCHEWAN
S7K 6A4
☎ (306) 931-1033 FAX: (306) 242-4717

OreQuest Consultants Ltd.
306 - 595 Howe Street
Vancouver, B.C.
V6C 2T5

Jan.9/90

1 - SAMPLE PREPARATION PROCEDURES
Rock and Core

- Entire sample is crushed, riffled and the subsequent split is pulverized to -150 mesh.

Soils and Silts
- Sample is dried and sieved to -80 mesh.

2 - FIRE ASSAY PROCEDURES
Geochem Gold (Au ppb) -
A 30g subsample is fused, cupelled and the subsequent dore' bead is dissolved in aqua rega. The solution is then analyzed on the Atomic Absorption.

Assay Gold (Au oz/ton) -
A 29.16g subsample is fused, cupelled and the subsequent dore' bead is parted with a dilute nitric acid solution. The gold obtained is rinsed with DI water, annealed and weighed on a microbalance.

3 - Geochem Silver (Ag ppm) -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay Silver (Ag oz/ton) -
A 2.00g sample is digested with 15mls HCl plus 5mls HNO3 for 1 hour in a covered beaker; diluted to 100mls with 1:1 HCl. The solution is run on the Atomic Absorption.

4 - BASE METALS
Geochem - A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the Atomic Absorption.

Assay - A 0.500g sample is taken to dryness with 15mls HCl plus 5mls HNO3, then redissolved with 5mls HNO3 and diluted to 100mls with DI H20. The solution is run on the Atomic Absorption.

con't...

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5. ICAP Geochemical Analysis -
A 1g subsample is digested with 5mls of aqua rega for 1 1/2 to 2 hours, then diluted with DI H20. The solutions are then run on the ICAP.

6. Heavy Mineral Concentrates -
The sample is initially wet sieved through -1700 micron, then placed on a shaker table. A heavy liquid separation is performed, Methylene Iodide, (S.G. - 3.3); diluted to give a S.G. of 2.96. The heavies were then analyzed for Au by Fire Assay plus an ICAP Scan.

Yours truly,

Bernie Dunn

Bernie Dunn

BD/vh

TSL LABORATORIES
DIV BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor-Box 10, 808 West Hastings
Vancouver, B.C.
V6C 2X6

REPORT No. S7570

INVOICE #: 12313
P.O.: 8005/R-1380

SAMPLE(S) OF Core

DDH - TA - 89 - 5

Alex Walus
Project TANTALUS (TREATY)

TA - 89 - 5
START

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16001	200		2.4	74	98
16002	>1000	.036	4.6	53	140
16003	790		7.2	250	190
16004	35		.6	33	170
16005	150		.6	17	98
16006	110		1.0	12	130
16007	120		1.4	65	340
16008	610		1.4	22	620

COPIES TO: C. Idziszek, J. Foster
INVOICE TO: OreQuest Consultants

Oct 10/89

SIGNED Bernie Dunn

CTA

For enquiries on this report, please contact Customer Service Department.
Samples, Pulps and Rejects discarded two months from the date of this report.

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
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REPORT No.
S7572

INVOICE #: 12315
P.O.: 8005/R-1383

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS (TREATY)

DDH -TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16009	180	.8	80	770
16010	280	1.4	94	740
16011	240	1.6	310	600
16012	550	1.2	260	361
16013	250	.6	23	290
16014	410	.6	40	340
16015	150	<.2	26	270
16016	360	.8	26	290
16017	75	.4	22	290
16018	30	.6	83	200

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REPORT No. S7532

INVOICE #: 12303
P.O.: 8005/R-1353

SAMPLE(S) OF: Core

DDH - TA-89-5

Alex Walus
Project TANTALUS (TREATY)

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16019	310		1.2	98	280
16020	95		.8	19	480
16021	120		1.0	73	450
16022	85		.8	37	610
16023	100		1.0	24	710
16024	>1000	.051	1.8	37	370
16025	470		1.8	130	430
16026	900		1.4	85	380

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REPORT No. S7563

INVOICE #: 12310
P.O.: 8005/R-1372

SAMPLE(S) OF: Core

DDH - TA-89-5

Alex Walus
Project TANTALUS (TREATY)

	Au ppb	Ag ppm	Cu ppm	As ppm
16027	110	.4	17	320
16028	45	.4	79	170
16029	20	<.2	46	160
16030	520	1.2	210	390
16031	390	1.4	320	480
16032	90	.4	160	270
16033	50	.8	420	190
16034	130	.8	310	230

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REPORT No. S7562

INVOICE #: 12309
P.O.: 8005/R-1371

SAMPLE(S) OF Core

DDH - TA-89-5

Alex Walus
Project TANTALUS (TREATY)

	Au ppb	Ag ppm	Cu ppm	As ppm
16035	140	1.2	550	180
16036	65	.8	390	280
16037	400	1.0	120	370
16038	110	.8	100	150
16039	120	.8	57	240
16040	20	<.2	33	65
16041	190	1.4	69	380
16042	480	1.8	58	300

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REPORT No. S7571

INVOICE #: 12314
P.O.: 8005/R-1381

SAMPLE(S) OF Core

DDH-TA-89-5

Alex Walus
Project TANTALUS (TREATY)

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16043	640		3.6	120	240
16044	570		17.0	1200	670
16045	850		1.6	42	250
16046	>1000	.155	7.2	110	370
16047	680		1.2	55	490
16048	550		1.2	56	120
16049	420		.4	36	200
16050	310		.4	220	140

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REPORT No.
S7537

INVOICE #: 12305
P.O.: 8005/R-1357

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH - TA-89-5

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16051	>1000	.032	.8	68	230
16052	460		1.0	41	350
16053	340		.6	68	100
16054	>1000	.039	1.8	110	75
16055	>1000	.055	5.0	260	180
16056	700		2.6	51	190
16057	>1000	.042/.044	28.	590	700
16058	430		1.2	94	250
16059	>1000	.034	1.8	60	340

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REPORT No. S7553

INVOICE #: 12308
P.O.: 8005/R1382

SAMPLE(S) OF: Core

Alex Walus
Project CORPTECH

DDH - TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16060	280	.6	87	210
16061	120	.4	86	130
16062	440	1.6	240	280
16063	510	2.0	63	170
16064	580	.4	25	210
16065	210	.4	17	130
16066	360	.8	100	40
16067	460	.8	200	210

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REPORT No. S7552

INVOICE #: 12307
P.O.: 8005/R-1376

SAMPLE(S) OF Core

Alex Walus
Project CORPTECH

DDH-TA-89-5

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16068	110		<.2	26	100
16069	>1000	.035	.8	74	200
16070	610		.4	37	200
16071	660		.2	33	250
16072	270		1.0	150	290
16073	110		.2	31	210
16074	210		<.2	13	140
16075	960		8.0	170	280

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REPORT No. S7569

INVOICE #: 12312
P.O.: 8005/R-1379

SAMPLE(S) OF Core

DDH-TA-89-5

Alex Walus
Project TANTALUS (TREATY)

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16076	710		9.2	51	260
16077	230		1.2	43	470
16078	370		1.0	30	240
16079	65		.2	5	90
16080	350		.8	92	210
16081	>1000	.045	12.0	52	330
16082	>1000	.056	20.6	4000	590
16083	810		14.8	510	640
16084	100		1.0	120	120
16085	75		.6	73	98

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REPORT No. S7567

INVOICE #: 12311
P.O.: 8005/R-1377

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS (TREATY)

DDH-TA-89-5

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16086	250		.8	240	110
16087	90		.4	32	50
16088	45		.4	29	33
16089	>1000	.031	12.4	200	240
16090	540		4.2	380	74
16091	440		2.0	100	66
16092	260		.4	15	160
16093	>1000	.032	1.8	73	170

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REPORT No. S7568

INVOICE #: 12359
P.O.: 8005/R-1378

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (TREATY)

DDH -TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16094	810	3.2	550	180
16095	110	.4	9	49
16096	190	.4	13	73
16097	75	<.2	14	65
16098	55	.4	15	32
16099	35	<.2	6	24
16100	310	<.2	4	24
16101	240	<.2	3	4

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REPORT No. S7566

INVOICE #: 12358
P.O.: 8005/R-1375

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (TREATY)

DDH-TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16102	130	<.2	24	65
16103	110	<.2	6	78
16104	950	1.2	11	110
16105	290	.4	7	67
16106	300	.6	6	59
16107	80	<.2	3	6

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REPORT No. S7565

INVOICE #: 12357
P.O.: 8005/R1374

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (TREATY)

VDH - TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16108	390	.4	5	98
16109	400	.8	6	74
16110	45	.2	5	41
16111	20	<.2	210	8
16112	55	.2	150	10
16113	20	<.2	130	9
16114	85	.2	10	3
16115	380	.4	8	4

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REPORT No. S7564

INVOICE #: 12361
P.O.: 8005/R-1373

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (TREATY)

DDH - TA - 89 - 5

	Au ppb	Ag ppm	Cu ppm	As ppm
16116	350	<.2	10	10
16117	15	.2	8	3
16118	300	.2	25	82
16119	40	<.2	3	2
16120	95	.2	4	1
16121	760	3.6	160	250
16122	300	.8	33	63
16123	290	.2	5	8

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REPORT No. S7574

INVOICE #: 12316
P.O.: 8005/R-1385

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH-TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16124	410	<.2	6	71
16125	460	.4	4	50
16126	280	.2	8	86
16127	310	.2	6	43
16128	300	.2	6	79
16129	120	.2	3	29
16130	490	.2	3	57

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REPORT No. S7575

INVOICE #: 12317
P.O.: 8005/R-1386

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS (TREATY)

DDH-TA-89-5

	Au ppb	Ag ppm	Cu ppm	As ppm
16131	390	<.2	6	100
16132	200	<.2	3	150
16133	60	<.2	7	50
16134	60	<.2	6	57
16135	80	<.2	37	78
16136	45	<.2	81	57
16137	10	<.2	8	42
16138	110	<.2	20	50
16139	70	<.2	10	57

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REPORT No. S7576

INVOICE #: 12318
P.O.: 8005/R-1387

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (TREATY)

DDH - TA - 89 - 5

	Au ppb	Ag ppm	Cu ppm	As ppm
16140	55	<.2	21	7
16141	100	<.2	16	35
16142	240	.4	18	120
16143	270	.4	19	77
16144	90	<.2	4	70
16145	300	1.0	25	160
16146	120	.4	23	140
16147	20	<.2	4	35

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REPORT No.
S7577

INVOICE #: 12319
P.O.: 8005/R-1388

SAMPLE(S) OF Core

DDH-TA-89-5

Alex Walus
Project TANTALUS

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16148	20		<.2	3	50
16149	190		<.2	5	22
16150	>1000	.029	1.4	9	86
16151	170		.4	6	140
16152	600		1.0	13	100
16153	860		1.4	39	150
16154	>1000	.032	1.8	900	520
16155	>1000	.036	1.2	150	300

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REPORT No. S7578

INVOICE #: 12320
P.O.: 8005/R-1389

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH-TA-89-5

	Au ppb	Au ozt	Ag ppm	Cu ppm	As ppm
16156	>1000	.030	1.2	100	220
16157	120		.4	40	140
16158	240		.4	50	170
16159	310		1.2	350	220
16160	330		.8	57	170
16161	340		.4	11	130
16162	390		1.0	10	110
16163	>1000	.030	1.0	9	150

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REPORT No. S7579

INVOICE #: 12321
P.O.: 8005/R-1390

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH-TA-89-5

	Au ppb	Au ozt	Ag ppm
16164	700		.6
16165	>1000	.039	1.0
16166	>1000	.029	.8
16167	650		.4
16168	510		.4
16169	230		.4
16170	90		<.2
16171	70		.4

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Vancouver, B.C.
V6C 2X6

REPORT No. S7580

INVOICE #: 12322
P.O.: 8005/R-1391

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH - TA - 89 - 5

	Au ppb	Au ozt	Ag ppm
16172	120		.6
16173	740		1.8
16174	210		.6
16175	110		.6
16176	110		.4
16177	>1000	.030	1.0
16178	690		.8

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S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

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REPORT No. S7581

INVOICE #: 12323
P.O.: 8005/R-1392

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH-89-5

	Au ppb	Ag ppm
16179	140	.4
16180	80	.4
16181	65	.4
16182	310	.6
16183	900	.8
16184	580	.4
16185	100	.4
16186	160	.4

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REPORT No. S7582

INVOICE #: 12324
P.O.: 8005/R-1393

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH - TA-89-5

	Au ppb	Ag ppm
16187	140	.4
16188	140	1.0
16189	260	.4
16190	190	.6
16191	65	<.2
16192	60	.4
16193	940	.4

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REPORT No. S7583

INVOICE #: 12325
P.O.: 8005/R-1394

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

DDH - TA-89-5

	Au ppb	Au ozt	Ag ppm
16194	320		1.2
16195	120		.4
16196	300		.6
16197	>1000	.031	.6
16198	380		.4
16199	210		<.2
16200	170		.4

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REPORT No.
S7584

INVOICE #: 12326
P.O.: 8005/R-1395

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

		Au ppb	Au ozt	Ag ppm
16201	TA-89-5 END	220		.4
16202		180		.4
16203	TA-89-6	560		6.2
16204	START	>1000	.036	6.2
16205		130		7.4
16206		330		3.2
16207		140		1.0
16208		90		1.0

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REPORT No. S7585

INVOICE #: 12327
P.O.: 8005/R-1396

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH - TA - 89 - 6

	Au ppb	Au ozt	Ag ppm
16209	230		4.4
16210	290		2.0
16211	260		1.0
16212	450		1.4
16213	160		1.0
16214	>1000	.029	1.8
16215	210		1.0
16216	90		.8

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REPORT No. S7621

INVOICE #: 12412
P.O.: 8005/R-1412

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH - TA-89-6

	Au ppb	Au ozt	Ag ppm
16260	430		.8
16261	>1000	.039	34.
16262	>1000	.062	8.0
16263	>1000	.029	9.2
16264	340		12.
16265	160		2.0
16266	240		3.8
16217	160		1.0
16218	50		.8
16219	25		.6
16220	55		.6
16221	800		1.0
16222	250		.8
16223	280		2.0
16240	250		2.0
16241	100		1.0
16242	50		.8
16243	75		.6
16244	220		.6
16245	>1000	.029	4.0

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REPORT No. S7621

INVOICE #: 12412
P.O.: 8005/R-1412

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH - TA - 89-6

	Au ppb	Ag ppm
16246	530	1.0
16247	290	.4
16224	110	.4
16225	65	.4
16226	110	.6
16227	300	.4
16228	120	.2
16229	240	.2
16230	450	1.6
16231	100	.8

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INVOICE #: 12412
P.O.: 8005/R-1412

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

DDH-TA-89-6

	Au ppb	Au ozt	Ag ppm
16248	490		1.2
16249	310		17.
16250	470		1.0
16251	500		.8
16252	460		.6
16253	950		.6
16254	350		.4
16255	360		.6
16232	15		.6
16233	>1000	.035	.8
16234	150		.6
16235	15		.4
16236	200		.6
16237	100		.6
16238	40		.6
16239	200		1.2
16256	630		.6
16257	210		.6
16258	300		1.0
16259	120		.6

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REPORT No. S7636

INVOICE #: 12423
P.O.: 8005/R-1420

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (Treaty)

DDH-TA-89-6

	Au ppb	Au ozt	Ag ppm
16267	200		5.0
16268	110		1.0
16269	600		.8
16270	>1000	.032	.8
16271	430		1.0
16272	700		.4
16273	410		4.6
16274	240		4.2
16275	140		<.2
16276	140		<.2
16277	110		.8
16278	55		<.2
16279	530		.8
16280	440		.8
16281	150		1.2
16282	130		<.2
16283	370		1.0
16284	130		<.2
16285	35		<.2
16286	310		1.6

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REPORT No. S7636

INVOICE #: 12423
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SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (Treaty)

DDH - TH -89-6

	Au ppb	Ag ppm
16287	270	2.2
16288	75	.4
16289	60	<.2
16290	120	<.2
16291	270	<.2
16292	270	<.2
16293	210	3.2
16294	200	.4
16295	560	.4
16296	460	.6
16297	400	.4
16298	140	.4
16299	180	.4
16300	770	.6
16301	920	.4
16302	620	.6
16303	460	.4
16304	360	<.2
16305	200	<.2
16306	170	.4

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INVOICE #: 12423
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SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (Treaty)

DDH-TA-89-6

	Au ppb	Ag ppm
16307	150	.6
16308	30	.4
16309	20	<.2
16310	110	<.2
16311	160	.4
16312	480	.4
16313	75	<.2
16314	20	<.2
16315	30	<.2
16316	140	<.2
16317	85	.4
16318	70	<.2
16319	70	.4
16320	200	<.2
16321	60	.4
16322	55	<.2
16323	110	<.2
16324	210	.6
16325	670	1.0
16326	50	<.2

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SAMPLE(S) OF Core

Alex Walus
Project TANTALUS (Treaty)

DDH- TA -89-6 +7

		Au ppb	Au ozt	Ag ppm
16327		130		1.0
16328		210		.6
16329		75		.4
16330		470		1.0
16331		500		2.2
16332		440		.6
16333		200		.4
16334		770		.6
16335		980		.6
16336		580		.8
16337		700		.8
16338		170		.4
16339		710		1.0
16340		830		1.0
16341		370		1.0
16342	TA-89-6 (END)	550		1.2
16343		>1000	.055	2.6
16344	TA-6	>1000	.029	2.0
16345		25		.4
16346	TA-7 TA-89-7 (START	5		<.2

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SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (Treaty)

DDH-TT-89-7

	Au ppb	Au ozt	Ag ppm
16347	<5		<.2
16348	10		<.2
16349	5		<.2
16350	25		<.2
16351	5		<.2
16352	5		<.2
16353	10		<.2
16354	340		1.2
16355	130		<.2
16356	100		<.2
16357	25		.8
16358	20		.4
16359	100		.4
16360	>1000	.149/.105	1.2
16361	300		<.2
16362	510		1.0
16363	90		.4
16364	70		.4
16365	80		<.2
16366	10		.4

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P.O.: 8005/R-1420

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS (Treaty)

DDH- TA-89-7

	Au ppb	Au ozt	Ag ppm
16367	65		.4
16368	120		.6
16369	300		1.0
16370	530		1.0
16371	700		1.4
16372	360		.6
16373	120		.4
16374	60		.4
16375	100		.6
16376	40		.6
16377	5		<.2
16378	5		<.2
16379	5		<.2
16380	480		.6
16381	720		.8
16382	120		<.2
16383	200		.4
16384	240		.4
16385	>1000	.041	.8
16386	540		.8

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P.O.: 8005/R-1420

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS (Treaty)

DDH - TA - 89-7

	Au ppb	Ag ppm
16387	880	.6
16388	600	.4
16389	650	.6
16390	190	.4
16391	450	.4
16392	760	.4
16393	560	.4
16394	740	1.0
16395	390	.2
16396	330	.4
16397	560	<.2
16398	150	.2

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REPORT No. S7665

INVOICE #: 12493
P.O.: 8005/R-1427

SAMPLE(S) OF: Core

Alex Walus
Project TANTALUS

TA-89-7

	Au ppb	Au ozt	Ag ppm
16399	60		.6
16400	140		.4
16401	480		.4
16402	75		.4
16403	150		.6
16404	110		.4
16405	65		.4
16406	210		.4
16407	730		.8
16408	110		.8
16409	530		1.2
16410	290		.6
16411	530		.6
16412	>1000	.114/.106	3.6
16413	370		.4
16414	70		.4
16415	85		.6
16416	280		.2
16417	70		.4
16418	100		.2

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REPORT No. S7665

INVOICE #: 12493
P.O.: 8005/R-1427

SAMPLE(S) OF Core

Alex Walus
Project TANTALUS

	Au ppb	Ag ppm
16419	85	.4
16420	110	1.2
16421	60	.6
16422	15	.8

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REPORT No. S7704

INVOICE #: 12544
P.O.: 8005/R-1437

SAMPLE(S) OF Drill Core

Alex Walus
Project TANTALUS

		Au ppb	Ag ppm
16479		<5	.4
16480		<5	.6
16481	TA-89-10	30	.6
16482	(END)	15	1.6
16483		10	2.4
16484		5	.8
16485	TA-89-11	5	.8
16486	(START + END	5	.4
16487		95	.8
16423		30	1.2
16424	TA-89-7	30	1.0
16425	(END)	40	1.0
16426		250	2.0
16427		20	.6
16428		65	1.0
16429		20	.8
16430	TA-89-10	10	.8
16431	(START)	10	.8
16432		10	.8
16433		15	.8

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(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM: Prime Exploration Ltd.
10th Floor-Box 10, 808 West Hastings
Vancouver, B.C.
V6C 2X6

REPORT No. S7704

INVOICE #: 12544
P.O.: 8005/R-1437

SAMPLE(S) OF: Drill Core

Alex Walus
Project TANTALUS

		Au ppb	Ag ppm
16434		40	.8
16435		10	.4
16436		55	.6
16437		200	.4
16438		70	.4
16439		70	.6
16440		50	.8
16441		45	.6
16442	TA-89-10	320	1.2
16443		85	.8
16444		35	.4
16445		90	.4
16446		110	.4
16447		430	2.6
16448		230	.4
16449		380	.6
16450		190	.4
16451		90	.4
16452		65	.2
16453		70	.6

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Oct 27/89

SIGNED Bernie Dunn

CTA

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TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
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S7K 6A4
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SAMPLE(S) OF: Drill Core

Alex Walus
Project TANTALUS

TA-89-10

	Au ppb	Au ozt	Ag ppm
16454	430		1.0
16455	260		.6
16456	280		.8
16457	110		.8
16458	290		.8
16459	260		.6
16460	520		.8
16461	510		1.2
16462	>1000	.039	2.4
16463	690		1.2
16464	350		1.2
16465	390		1.0
16466	490		1.8
16467	600		1.2
16468	700		1.2
16469	>1000	.036/.043	2.6
16470	140		1.4
16471	780		12.
16472	380		.8
16473	180		.8

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SAMPLE(S) OF Drill Core

Alex Walus
Project TANTALUS

		Au ppb	Ag ppm
16474		120	1.0
16475	TA-89-10	660	3.4
16476		520	2.6
16477		70	1.2
16478		25	.8

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