

REVERSE CIRCULATION DRILLING
ASSESSMENT REPORT

on the

GOLD STAR CLAIM GROUP
WHITEMAN CREEK AREA
VERNON MINING DIVISION



by

MURRAY S. MORRISON, B. Sc.

CLAIMS: Gold Star 1, Goldstar 2, Newstar 1-8 and Star 1&2 (50 units)
LOCATION: The Gold Star Claim Group is situated on Whiteman Creek
30 km due west of Vernon, B.C.
Lat. 50° 14'; Long. 119° 42';
N.T.S. Map 82-L-4E
OWNERS: Doublestar Resources Ltd., and M. S. Morrison
OPERATORS: Doublestar Resources Ltd.
DATE STARTED: September 9, 1997
DATE COMPLETED: October 23, 1997

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

Kelowna, B.C.

December 30, 1997

25,600

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SUMMARY

During September - October, 1997, a Reverse Circulation Drilling Program, totalling 984 metres, was conducted on the Gold Star Claim Group located at Whiteman Creek, 30 km due west of Vernon in the Vernon Mining Division of British Columbia.

The program, which involved the drilling of 11 holes ranging from 61.0 to 100.6 metres in length, was carried out for the operator, Doublestar Resources Ltd. of Vancouver, under the direction of the writer. The drilling contractor was Northspan Explorations of Westbank, B.C.

The Gold Star Claim Group, comprised of 50 units, covers a near flat-lying sequence of Early Eocene (?) volcanic flows and pyroclastics that extend westward from the well-known Brett property. The Brett property features a series of northwest-striking shear zones which cut the Early Eocene (?) rocks. Some of the shear zones are gold-bearing with typical epithermal veining, textures, and indicator elements. Two of the better explored shear zones on the Brett property are the Main Brett Shear Zone and the nearby sub-parallel RW vein. Gold values as high as 180 g/tonne have been recorded from the RW vein. Much of the RW vein was mined by an open cut in 1996, and the gold-bearing quartz vein material was shipped to the smelter at Trail, B.C.

The Gold Star 1 mineral claim has several features in common with the Brett property. These features include several northwesterly-striking shear zones. However, in spite of intense exploration efforts by Brican Resources Ltd. from 1984 to 1989 and Huntington Resources Inc. in 1994, no significant gold has been discovered on the Gold Star property. Brican Resources Ltd. conducted soil surveys, trenching programs, an Induced Polarization survey, Reverse Circulation drilling programs and two diamond drilling programs during their effort to locate gold on the property. In all, 13 km of I.P. survey were conducted, 1785 metres of R.C. drilling were completed, and 1416 metres of diamond drilling were drilled up to 1989. In 1994, Huntington Resources Inc. diamond drilled another 660 metres of core. In total, 15 R.C. and 14 diamond drill holes were drilled previous to this year's program on the

SUMMARY continued

east-central portion of the Gold Star mineral claim. Good interceptions of clay altered, pyritized and silicified tuffaceous rocks were encountered in several of the drill holes, but epithermal quartz veining of the type found on the Brett property with associated high gold values was not located on the Gold Star 1 mineral claim.

A search for the projection of the Main Brett Shear Zone on to the Gold Star property was never seriously pursued by either Brican or Huntington Resources during their options on the property.

The search for the extension of the Main Brett Shear Zone on to the Gold Star 1 mineral claim was the main goal of this year's drilling program and five drill holes spaced at 100 metre intervals were drilled to locate the zone.

All five drill holes drilled into a strong, consistent shear zone that is believed to be the main Brett Shear Zone. Gold values are generally low, but they are often associated with late quartz-carbonate veinlets that are thought to be related to gold-bearing epithermal veins at depth (i.e. at least on the Brett property).

A Longitudinal Section of the five drill holes indicates that the volcanic sequence dips southerly at an angle steeper than the slope of the ridge on the northern half of the Gold Star 1 mineral claim and that some of the more prospective tuffaceous units that outcrop on the steep southern half of the mineral claim may outcrop again on the northern half of the mineral claim. This fact would improve the logistics for further exploration.

The most northerly drill hole (RCDH 97-6) of the five drill holes designed to test the main Brett Shear Zone yielded the best gold results (an average of 25 ppb gold over 60 metres) indicating that either there is a stratigraphic control for gold disposition, or there is another source of gold-bearing epithermal solutions originating from the northwest.

SUMMARY continued

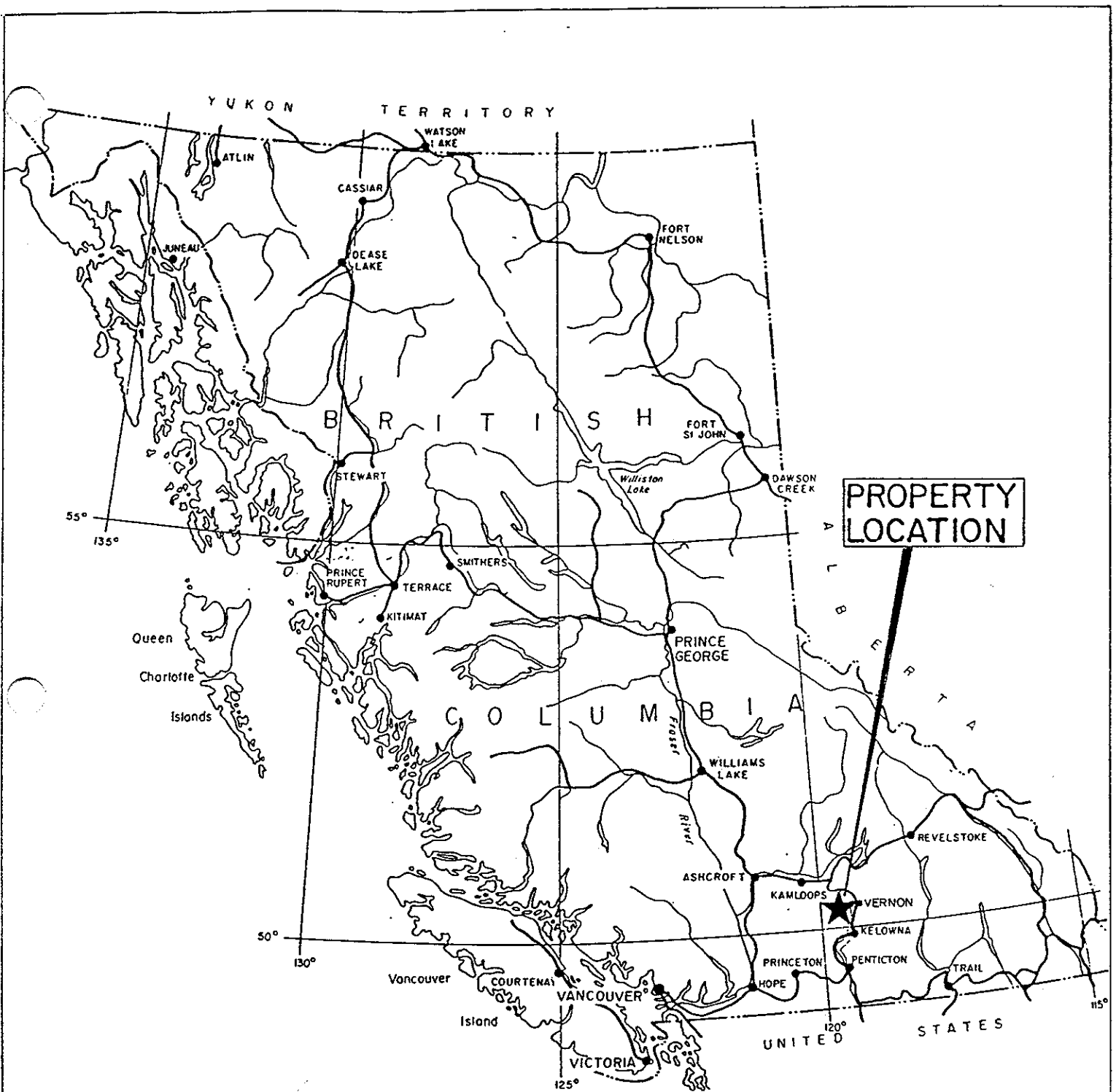
The northern half of the Gold Star 1 mineral claim has never been mapped, and in light of this year's data mapping at a scale of 1: 2500 is recommended.

Another drilling program is recommended to test the main Brett Shear Zone at depth with five 200 metre drill holes from this year's established drill sites. It is also suggested that the drilling of the Main Brett Shear Zone further along strike to the northwest should await positive results from the preliminary deep drill holes due to access problems in the region.

Three of this year's drill holes tested shear zones on the east-central portion of the Gold Star 1 mineral claim to the west of the Main Brett Shear Zone. None of the drill holes intercepted significant gold values.

Another three drill holes of this year's program were drilled to test shear zones and the Early Eocene (?) volcanic sequence at three widely separated locations on the new peripheral mineral claims to the west and southwest of the Gold Star 1 mineral claim. None of these drill holes encountered economic minerals of interest, but one of the three drill holes intercepted 52 metres of lapilli tuff. It is considered that this lapilli tuff has the potential to host a sizeable epithermal gold deposit at some location on the peripheral mineral claims.

Very little is known about the geology of the peripheral mineral claims and it is recommended that these mineral claims be maintained at least until the next phase of drilling is conducted on the Gold Star 1 mineral claim.



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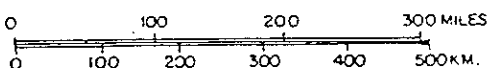
GOLD STAR CLAIM GROUP

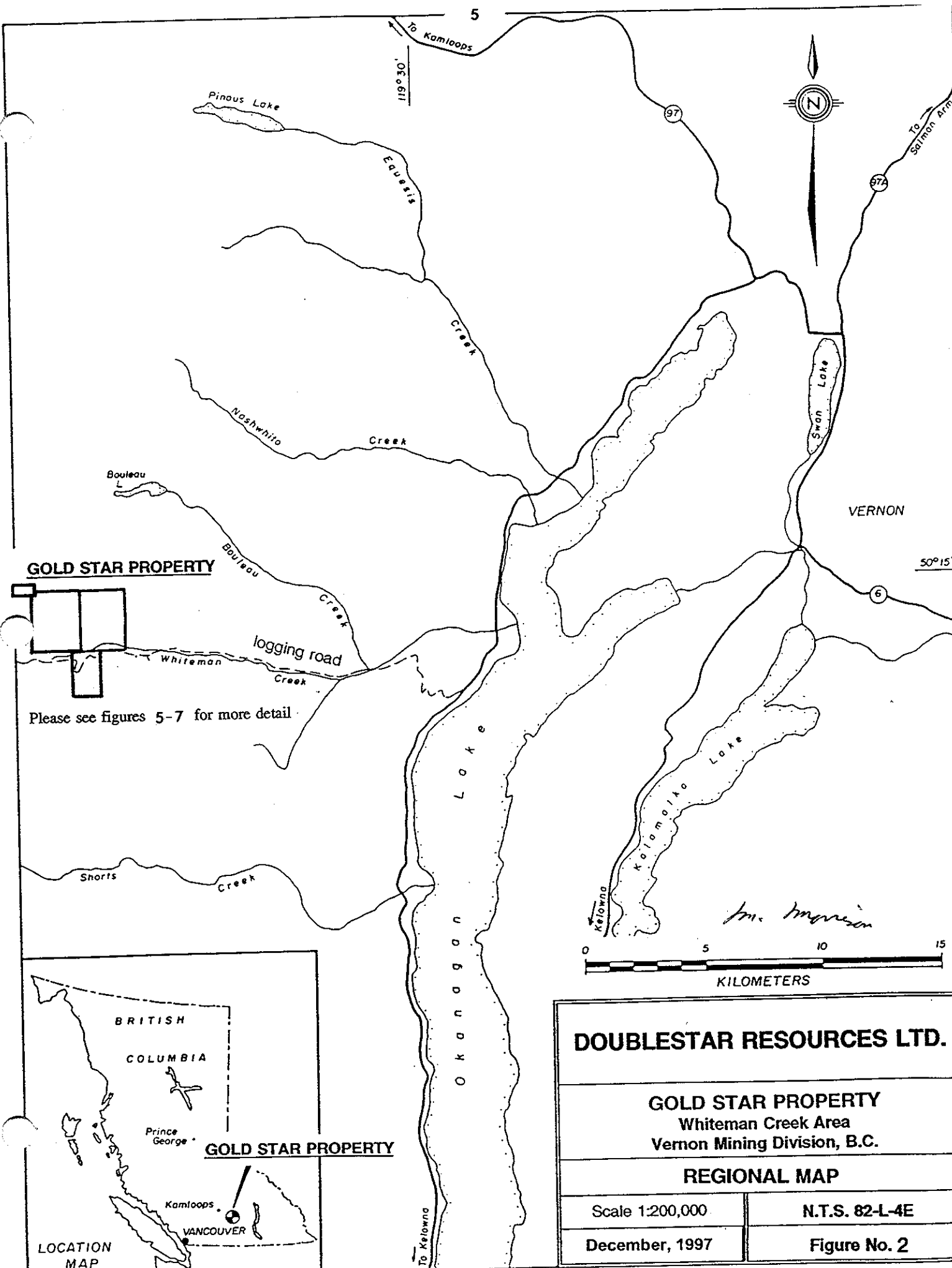
Whiteman Creek Area
Vernon Mining Division, B.C.

LOCATION MAP

Drawn by: M.M.
December, 1997

N.T.S. 82-L-4E
Figure No. 1





GOLD STAR PROPERTY

Please see figures 5-7 for more detail

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GOLD STAR PROPERTY
Whiteman Creek Area
Vernon Mining Division, B.C.

REGIONAL MAP

Scale 1:200,000

N.T.S. 82-L-4E

December, 1997

Figure No. 2

INTRODUCTION

This report, written for government assessment work requirements, discusses the results of a 984 metre Reverse Circulation Drilling Program conducted on the Gold Star Claim Group during September - October, 1997.

The Gold Star Claim Group is comprised of 50 contiguous units (4-post and 2-post mineral claims) located near the head of Whiteman Creek canyon, 30 km due west of Vernon, B.C. The mineral claims were staked by the writer, or under the direction of the writer, in 1983 and 1996 to cover a sequence of Early Eocene (?) volcanic rocks which lie west and southwest of the Brett Gold Prospect.

The east-central portion of the original Gold Star 1 mineral claim (staked in 1983) which lies adjacent the Brett property boundary has been intensely explored for precious metals by Brican Resources Ltd. (1984 - 1990) and by Huntington Resources Inc. in 1994 (please see History). In 1996, Southern Gold Resources Ltd. conducted a local soil geochemical near the property boundary in an attempt to trace the extension of the Main Brett Shear Zone on to the Gold Star property. The results of the survey were subtle, but a recommendation was made to drill a series of short Reverse Circulation drill holes along the projected trace of the Main Brett Shear Zone on the Gold Star property (Morrison, 1996).

It was also recommended that some of the other shear zones on the Gold Star 1 mineral claim and targets on the new adjoining mineral claims be tested by drilling during the same program.

All of the 1996 property work and claim staking was financed by Southern Gold Resources Ltd., a private company working out of Vancouver. In October 1996, all of Southern Gold's interests in the property were transferred to Doublestar Resources Ltd., a new company that was formed for a listing on the Vancouver Stock Exchange.

INTRODUCTION continued

This year's drilling program was financed by Doublestar Resources Ltd. The drilling was conducted by Northspan Explorations of Westbank, B.C. under the supervision of the writer.

All of the information gathered during the drilling program is presented within this report, with the support of Cross-Sectional Diagrams and Drill Logs (Appendix C) and Laboratory Analysis (Appendix D).

The drill hole locations are illustrated on Figures 5, 6 & 7 which accompany this report.

LOCATION and ACCESS

The Gold Star Claim Group is located on Whiteman Creek, 20 km west of Okanagan Lake. The property lies 30 km due west of Vernon, or 43 km northwest of Kelowna, B.C. (Lat. 50° 14' N; Long. 119° 41' W; N.S.T. Map 82-L-4E).

Access to the property is via the Whiteman Creek logging road which leaves the Westside road approximately 40 km north of Kelowna. The Westside road, as the name implies, follows the Westside of Okanagan Lake from Highway #97 near Westbank, back to Highway #97 again near the northwest end of the lake.

The Whiteman Creek road is an active, well-maintained logging road which follows the canyon to the headwaters of Whiteman Creek. A road which branches northwest from the main road at 19.2 km switchbacks 2.5 km up a steep slope to the Brett Gold Mine, and from the mine, bush roads continue up the steep slope another 2.5 km to the northeast corner of the Gold Star 1 mineral claim. A series of steep, 4-wheel drive roads give access to the central portion of the mineral claim as illustrated on Figures 5 & 6. Several other branch logging roads give good access to the Goldstar 2, Newstar 1-8 and Star 1-2 mineral claims as illustrated on Figure 7.

LOCATION and ACCESS continued

Travel time to the Brett Gold Mine from either Kelowna or Vernon requires 90 minutes.

The Legal Corner Post of the Gold Star 1 mineral claim is located 20 metres north of the Whiteman Creek logging road at 20.5 km.

PHYSICAL FEATURES AND CLIMATE

The Gold Star Claim Group is located at the head of the Whiteman Creek Canyon where several tributaries join to form the main creek. The lower portions of the Gold Star 1 & 2 and Newstar 1-8 mineral claims cover the steep valley walls of the canyon with slopes of 20 to 30 degrees, but above the 1400 metre elevation slopes range from only 5 to 10 degrees and the Claim Group in general is very accessible. Elevations on the property range from 1050 to 1600 metres.

Whiteman Creek is one of several creeks that drain the uplifted Thompson Plateau through deeply cut canyons that open into the Okanagan Valley (Shorts Creek to the south of the property and Bouleau Creek to the northeast have also cut deep canyons).

Continental glaciation has covered even the highest points of land on the Thompson Plateau, including Tahaetkan Mtn., at an elevation of 2088 metres. This mountain is located just 3 km northwest of the Gold Star Claim Group.

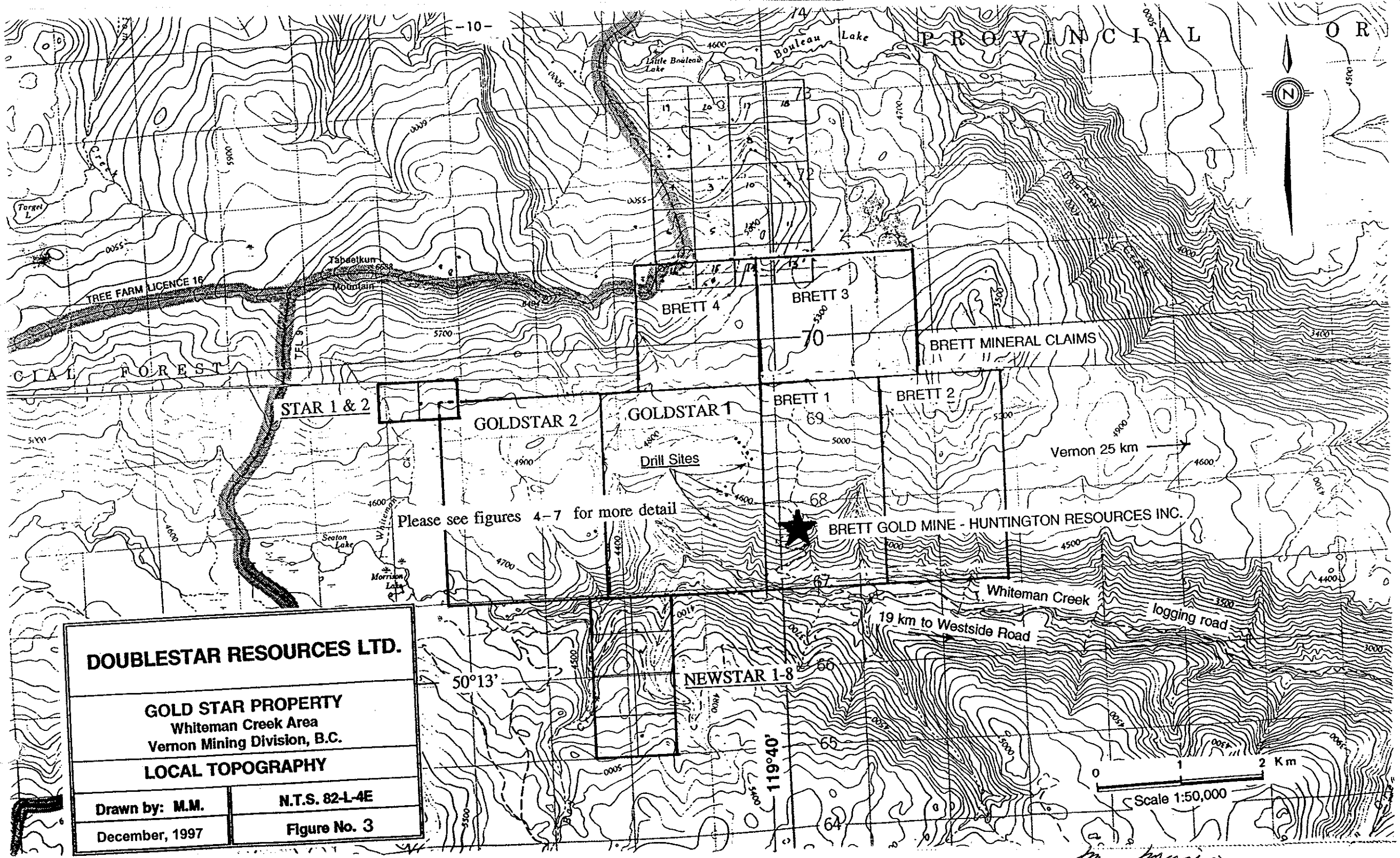
Late valley glaciation has deposited large accumulations of drift near the headwaters of the main valleys, but the steep slopes on the Gold Star 1 & 2 and Newstar 1-8 mineral claims are mantled with only 2 to 5 metres of till.

PHYSICAL FEATURES AND CLIMATE continued

The Gold Star 1 mineral claim is forested with Douglas fir below the 1400 metre elevation and lodgepole pine and balsam above that elevation. Recent clear-cut logging has been carried out over portions of the Goldstar 2, Newstar 1-8 and Star 1 & 2 mineral claims.

Annual precipitation on the Gold Star Claim Group probably averages 70 cm - much of it in the form of snow. The snow begins to accumulate in late October and generally lingers in the heavy forest at the higher elevations until early June. Some winters, the snowpack reaches a depth of 2 metres.

Temperatures on the property range from highs of 30°C in summer to lows of -30°C in winter. Generally, the summer temperatures are 5 to 10°C cooler than those experienced in the main Okanagan Valley.



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GOLD STAR PROPERTY
Whiteman Creek Area
Vernon Mining Division, B.C.

LOCAL TOPOGRAPHY

Drawn by: M.M.

December, 1997

N.T.S. 82-L-4E

Figure No. 3

M. Morris

CLAIM STATUS

The Gold Star Claim Group is comprised of two modified grid mineral claims of 20 units each and 10, 2-post mineral claims for a total of 50 units. The mineral claims are contiguous and all are located in the Vernon Mining Division.

The mineral claims making up the group are the Gold Star 1, Goldstar 2, Newstar 1-8 and Star 1 & 2. The Gold Star 1 was staked by the writer in 1983, and all other claims were staked under the direction of the writer in 1996.

During October 1996, an agreement was signed by the writer, giving Doublestar Resources Ltd. an option to purchase up to a 100% interest in the Gold Star 1 mineral claim, subject to a 1% Net Smelter Return being retained by the writer. Also, during October 1996, Doublestar Resources Ltd. obtained title to all other mineral claims making up the Gold Star Claim Group. The writer retains a 1% Net Smelter Return in these mineral claims as well.

Doublestar Resources Ltd. is a public company that is listed on the Vancouver Stock Exchange.

The following table lists the mineral claims comprising the Gold Star Claim Group:

<u>CLAIM NAME</u>	<u>UNITS</u>	<u>TENURE NO.</u>	<u>DATE OF RECORD</u>	<u>EXPIRY* DATE</u>
Gold Star 1	20	259194	Sept. 8, 1983	Sept. 8, 2008
Goldstar 2	20	351220	Oct. 2, 1996	Oct. 2, 2001
Newstar 1	1	347676	July 9, 1996	July 9, 2001
Newstar 2	1	347677	July 9, 1996	July 9, 2001
Newstar 3	1	347678	July 9, 1996	July 9, 2001
Newstar 4	1	347679	July 9, 1996	July 9, 2001
Newstar 5	1	347680	July 9, 1996	July 9, 2001
Newstar 6	1	347681	July 9, 1996	July 9, 2001

CLAIM STATUS continued

<u>CLAIM NAME</u>	<u>UNITS</u>	<u>TENURE NO.</u>	<u>DATE OF RECORD</u>	<u>EXPIRY* DATE</u>
Newstar 7	1	347682	July 9, 1996	July 9, 2001
Newstar 8	1	347683	July 9, 1996	July 9, 2001
Star 1	1	350621	Sept. 9, 1996	Sept. 9, 2001
Star 2	1	350622	Sept. 9, 1996	Sept. 9, 2001

*** Note:** The Expiry Dates are based on the acceptance of this report for assessment work credits.

GOLD STAR PROPERTY
Whiteman Creek Area
Vernon Mining Division, B.C.

MINERAL CLAIMS

Drawn by: H M J

N.T.S. 82-L-4E

December, 1997

Figure No. 4

HISTORY AND PREVIOUS WORK

The Gold Star mineral claim was staked during September 1983, by the writer, M. Morrison, of Kelowna, B.C. to cover a sequence of Eocene volcanic rocks that extends westward from the Brett property. The altered tuffaceous rocks within the sequence bore a striking resemblance to rocks seen on the Vault gold property staked a year earlier by the writer at Okanagan Falls, B.C.

In early 1984, Brican Resources Ltd., a VSE listed company with principles working out of Vernon, B.C., optioned the Gold Star property as a result of reconnaissance heavy mineral sampling in the area. Later in 1984, Brican crews collected a single line of geochemical soil samples from a traverse along the 1190 m contour across the southern half of the Gold Star property. Only a few elevated gold values (15 to 85 parts per billion) were located and the property received no further attention for over a year.

Meanwhile, work continued on the neighbouring Brett property. An initial soil sampling program on the centre of the Brett property yielded a few isolated high gold values (190 to 255 ppb). This survey was expanded to the southern part of the property late in 1984, and linear gold anomalies were outlined with values of 80 to 400 ppb (W. Gruenwald, 1984). A trenching program in 1985 yielded positive results. Gold was discovered in quartz vein material in northwest-striking shear zones. One quartz vein, called the "RW vein", contained visible gold and assayed 6.50 oz./T gold and 10.10 oz./T silver (G.D. Belik, 1986).

The discovery of high gold values on the Brett property prompted Brican to resume work on the Gold Star mineral claim in 1986. The central portion of the mineral claim was covered by a 100 x 100 metre grid, and 566 soil samples were collected and analyzed for gold. Two weakly anomalous zones were discovered and named the "Border Gulch" and "Sunday Gulch" zones. Each zone yielded values of 20 to 50 ppb gold with one peak value of 200 ppb gold at each zone. In October 1986, detailed soil sampling of each zone was carried out on a

HISTORY AND PREVIOUS WORK continued

closely spaced grid. Eighty-five fill-in soil samples were collected. The soil anomalies were trenched in November 1986 (15 trenches of 250 m total length) and February 1987 (9 trenches of 225 m total length). A total of 87 rock samples were collected from the trenches and road cuts. The gold and arsenic values were found to be generally low with the highest gold value being 170 ppb and the highest arsenic value being 150 parts per million.

Although the values were disappointing, the rock exposed was generally highly altered (clay), pyritized, and silicified. Chalcedonic veining indicated a strong epithermal system (B.W. Kyba, 1987). An experimental VLF-EM survey conducted along exploration roads indicated that some of the pyritized shear zones show up as VLF-EM conductors (B.W. Kyba, 1987).

Continued success on the Brett property again prompted Brican Resources Ltd. to continue work on the Gold Star property in 1987. Seven diamond drill holes, totalling 721.5 metres, were drilled into altered volcanic rocks outlined by the trenching program.

In 1988, an Induced Polarization Survey of 13 km was conducted over the southeastern portion of the Gold Star property. This survey was followed by 15 Reverse Circulation Drill Holes totalling 1785 metres. Finally, 3 more diamond drill holes totalling 695.3 m were drilled late in 1988 to further test the I.P. anomalies.

Although several of the drill holes on the Gold Star property intercepted tens of metres of highly clay altered, pyritized and silicified tuffaceous rocks, only diamond drill hole 88-8 returned any significant gold values. DDH 88-8 yielded 2150 ppb gold over 3 metres. Brican terminated their option on the property.

In 1994, Huntington Resources Inc. optioned the Gold Star property and drilled four diamond drill holes, totalling 660 metres, to further test some of the I.P. and arsenic geochemical anomalies outlined during the Brican programs. A fifth drill hole to test the Main Brett Shear

HISTORY AND PREVIOUS WORK continued

Zone extension on to the Gold Star property was planned, but cancelled due to the lateness of the season and lack of an easy source of drill water.

The results from the four holes drilled by Huntington were the same as earlier results. Large zones of clay altered, pyritized and silicified tuffaceous rocks were intercepted, but precious metal values were insignificant. Huntington Resources Inc. terminated their option on the Gold Star property in 1995.

Southern Gold Resources Ltd. of Vancouver optioned the Gold Star mineral claim in January 1996 with plans to explore for the extension of the Main Brett Shear Zone on to the northern half of the property.

During the 1996 summer season, a narrow grid was established along the projection of the Main Brett Shear Zone for 1000 metres to the northern edge of the property. Eighty-one soil samples and 36 biogeochemical samples were collected and tested for 28 elements by I.C.P. and for gold by atomic absorption (Morrison, 1996).

The Goldstar 2, Newstar 1-8 and Star 1&2 mineral claims were added to the Gold Star property in 1996 to create the 50 unit Gold Star Claim Group.

Preliminary prospecting was conducted on the new mineral claims in 1996.

REGIONAL GEOLOGY AND MINERALIZATION

Much of the upper valley of Whiteman Creek is underlain by a thick sequence of assorted volcanic flow rocks and pyroclastics that are in part correlative with Eocene rocks located within Tertiary basins throughout the Okanagan (e.g. the Kelowna-Rutland, Summerland, Okanagan Falls, and Venner Meadows Tertiary Basins).

Many of the Okanagan Tertiary basins have features that suggest quick deposition of sediments and pyroclastic debris from very local volcanic eruptions (i.e. coarse agglomerates and lahars are common features of many of the basins). The Whiteman Creek Tertiary basin is not an exception. It contains thick agglomerate and lahar units which suggest a nearby volcanic centre.

Many of the Tertiary basins throughout the Okanagan Valley have gold mineralization associated with them. Some examples are: the Okanagan Falls basin which hosts the Dusty Mac mine and Vault property; the Venner Meadows basin which hosts the AU gold prospect; and, of course, the Whiteman Creek basin which hosts the Brett Gold Mine.

In each example, the precious metals are associated with strong epithermal systems. Repeated late faulting and the permeability of the various units making up the Tertiary sequences are believed to have played large roles in determining where the precious metals are ultimately deposited. The close proximity of a heat source is also considered important.

A monzonite/syenite stock centred in Whiteman Creek canyon, and located on the southern side of the Brett property post-dates the Eocene volcanic sequence and it may have played a role in the emplacement of the gold mineralization on the Brett property.

The widespread epithermal alteration of the Eocene volcanics in the Whiteman Creek headwaters area suggests that other stocks may underlie the region. Some of these may have resulted in gold deposition.

REGIONAL GEOLOGY AND MINERALIZATION continued

The Brett Gold Mine

The Main Brett Shear Zone and sub-parallel RW quartz vein located on the Brett property, contain most of the gold reserves that have so far been drilled in the region. A Huntington Resources Inc. News Release dated December 11, 1995, stated that:

- (a) 250 tons of ore grading 0.997 oz./T gold and 1.850 oz./T silver had been extracted from the RW vein in late 1995 and was ready for shipment to the mill;
- (b) the main drift that had been driven into the mountain to mine the Bonanza Zone was at 800 feet, but caved in;
- (c) the Bonanza Zone is 500 feet in length and that it contains approximately 13,200 tons grading 1.141 oz./T gold; and
- (d) the north Extension Zone, 1,620 feet north of the Bonanza Zone, contains an estimated 18,000 to 20,000 tons of 0.467 oz./T gold.

In 1996, a deep open cut was excavated to extract much of the gold-bearing quartz vein material from the RW vein and two shipment of sorted ore were made to the Smelter at Trail, B.C. The amount of gold recovered from these shipments is not known to the writer.

PROPERTY GEOLOGY

General Comment

The Gold Star 1 mineral claim has seen much more exploration than the other mineral claims making up the Gold Star Claim Group and most of the discussion that follows will highlight the geology of the Gold Star 1 mineral claim. Only a few remarks will be made under each title about the geology of the peripheral mineral based on the results of this year's drilling program.

PROPERTY GEOLOGY continued

Lithology

The Gold Star 1 mineral claim covers the same layered sequence of Early Eocene (?) volcanic rocks that underlies the neighbouring Brett property to the east. The sequence is believed to dip gently to the south, and it is made up of a great assortment of intermediate volcanic flows and tuffs. The flow rocks are predominantly of andesitic, trachyandesitic and trachytic composition and are of variable colours and textures. The porphyritic or fine grained volcanics are often green, grey, tan or black. White plagioclase phenocrysts are characteristic of some andesites, while pink orthoclase feldspars are most common in the trachytes and trachyandesites. The tuffs are generally altered to light green, tan, or chalky white, and they may be of rhyodacitic composition. Both fine ash and lapilli tuffs are common. The mineral compositions of the rocks encountered during this year's drilling program are listed with the drill logs and there is no need to repeat them here (see Appendix C).

The tuffaceous beds increase in thickness to the west. One tuffaceous unit of 14 metre thickness on the Brett property reaches a thickness of 50 metres on the central portion of the Gold Star 1 mineral claim. A lahar unit mapped on the Gold star 1 mineral claim thickens to the west, but wedges out to the east, well short of the Brett property border.

The sudden thickening of the tuff and lahar units toward the west over short distances suggests that the source of the material (i.e. the volcanic centre) was probably located not far to the west of the Gold Star 1 mineral claim.

An attempt to correlate the volcanic sequence encountered on the Gold Star 1 mineral claim with drill intercepts on the peripheral mineral claims met with failure as the following geological legend illustrates. It would seem that more than one volcano may have been contributing material to the volcanic sequence.

PROPERTY GEOLOGY continued

Lithology continued

GEOLOGICAL LEGEND

TERTIARY

EARLY EOCENE (?) VOLCANIC SEQUENCE

**Elevation above sea
level in metres**

Gold Star Mineral 1 Claim - North Side of Whiteman Creek

1490 - 1380	Porphyritic Trachyte and Porphyritic Trachyandesite	RCDH'S 97-2 to 6
1360 - 1340	Porphyritic Andesite	RCDH 97-1
1340 - 1310	Fine Grained Tuff, Rhyodacitic (?)	RCDH 97-1
1315 - 1250	Porphyritic Trachyandesite	RCDH 97-7
1250 - 1160	Unknown	
1160 - 1112	Porphyritic Trachyte	RCDH 97-8
1112 - X	Fine Grained Tuff, Rhyodacitic (?)	RCDH 97-8
- -	Syenite Dyke	RCDH 97-8

Newstar Mineral Claim - South Side of Whiteman Creek

1330 - 1320	Basalt	RCDH 97-9
1320 - 1268	Lapilli Tuff, Rhyodacitic (?)	RCDH 97-9
1268 - 1262	Fine Grained Banded Tuff, Rhyodacitic (?)	RCDH 97-9
1262 - X	Porphyritic Dacite (?)	RCDH 97-9

Goldstar 2 and Star 1 Mineral Claims - North Side of Whiteman Creek and West Side of Tabaetkan Creek

1669 - 1632	Trachyandesite	RCDH 97-11
1632 - 1308	Unknown	
1308 - 1221	Andesite	RCDH 97-10

PROPERTY GEOLOGY continued

Structure

The Early Eocene (?) volcanic sequence underlying the Gold Star 1 mineral claim is believed to dip approximately 10 degrees to the south. The late intrusion of a Monzonite/Syenite Stock immediately to the southeast of the property does not appear to have been very disruptive to the "layered-cake" volcanics. Offshoot dykes from the stock have, however, intruded the volcanics along a series of northwest-striking shear zones near the southeastern corner of the Gold Star 1 mineral claim.

A series of northwest-striking shear zones running sub-parallel to the main Brett Shear Zone have been mapped across the Gold Star 1 mineral claim by Brican geologists (see Figure 9). Many of these shear zones have been examined by drill holes over the years, but this year's drilling program was the first to prove that the Main Brett Shear Zone continued northwest from the Brett property to cross the northeast corner of the Gold Star 1 mineral claim (see Figure 6).

The northwest shear zones are vertical or dip steeply west. Vertical displacements across the shear zones vary from a few to several metres.

The northwest shear zones are believed to have been the main conduits for the epithermal solutions that have invaded the volcanic sequence of rocks on the Gold Star 1 mineral claim, and also on the peripheral mineral claims of the Gold Star Claim group.

Alteration and Mineralization

Argillic alteration of the ash and lapilli tuffs on the Gold Star 1 mineral claim is intense and widespread. The flow rocks are similarly altered, but the alteration is confined to shear zones or the wall rock immediately adjacent shear zones. The tuffaceous rocks, on the other hand,

PROPERTY GEOLOGY continued

Alteration and Mineralization continued

are intensely altered up to tens of metres from the shear zones which, as mentioned before, are thought to be the conduits for the epithermal solutions that brought about the alteration.

Silica replaces the tuffaceous minerals locally and late banded chalcedony veinlets occur at several sites near the centre of the Gold Star 1 mineral claim. Disseminated pyrite equals up to 5% in many of the drill intercepts that display clay or silica replacement of the tuff.

Quartz veinlets are small and rare, but significant in that many of the elevated gold values that have so far been recorded on the property have been associated with quartz. The veinlets occur as grey microveinlets, grey veinlets to 1 cm, and pink and white veinlets to 1 cm. All carry pyrite locally (sometimes up to 20%). The pink and white veinlets include both quartz and carbonate, and show the best correlation with gold values (see drill hole summaries and Discussion).

The pink and white quartz-carbonate veinlets are believed to represent the outermost "fingers" of the gold-bearing phase of the epithermal system responsible for the economic gold values on the neighbouring Brett property. Some of the best gold values (30 to 180 g/tonne) on the Brett property occur with vuggy and banded epithermal white quartz veins up to 60 cm wide.

Argillic alteration within the shear zones drilled on the peripheral mineral claims was less intense than that on the Gold Star 1 mineral claim. The characteristic pink and white quartz-carbonate veinlets were lacking and the gold values returned from all three drill holes were very low (see summary descriptions of these drill holes for more details).

DRILLING PROGRAM - 1997

Site Preparation and Reclamation

The five drill sites located at the northeast corner of the Gold Star mineral claim (RCDH's 97-2 to 6) that were designed to test for an extension of the main Brett Shear Zone are all located in a dense balsam and pine forest. As a consequence, it was necessary to obtain a cutting licence from the Forest Service to clear the 5 drill sites and the 4 x 600 metre access route to the sites.

The timber is considered useable and it was necessary to skid all logs to the nearest loading area, which is located just above the Brett Gold Mine. The skid trail is rugged and 3.5 km long and a good deal of time and money was spent in delivering the logs to the loading area. The season ran out before the logs were trucked to mills in Vernon, and it is anticipated that this will be achieved in the spring.

Sixty hours of skidder time were required to transport the logs to the loading area, and a faller was employed for 6 days to cut the timber for the access route. The logs were cut off at surface and no further road building was necessary for sites RCDH's 97-2 to 6.

All of the other drill sites of the program (RCDH's 97-1 and 7-11) were accessed with relative ease. Drill sites RCDH's 97-1, 7 & 8 were drilled from previous exploration roads that were established on the Gold Star property by Brican Resources Ltd. in 1986-88, while drill sites RCDH's 97-9 to 11 were drilled from existing logging roads.

A Case 580 SK Turbo 4 x 4 Tractor equipped with a front-end scoop and a backhoe was contracted from Wayne Wilson of Westside Road for drill site preparation and road improvements. The preparation work included the levelling of some drill sites and the digging of 2 x 3 metre sumps to a depth of 2 metres at most sites to contain drill water run-

DRILLING PROGRAM - 1997 continued

Site Preparation and Reclamation continued

off and sludge. The road improvements involved the filling of washouts and the widening of the roads in places.

A total of 11¼ hours were spent with the tractor including mobilization and demobilization from Westside Road.

The writer spent a total of 7 days supervising the logging and backhoe operations and pre-clearing some of the old roads with a chainsaw.

Winter and freeze-up arrived before reclamation could be carried out at the drill sites. The sumps will be filled and some of the access roads will be seeded to grass in the spring.

The Drill

A track-mounted Reverse Circulation Percussion Drill was contracted from Northspan Explorations of Westbank, B.C. for the Gold Star property drilling program. The rig with a capacity to drill an 8.3 cm bore hole to a depth of 100 metres was considered suitable for the job which was to consist of 11 drill holes drilled at several scattered locations. (Note: the drill has the capacity to drill to 200 metres, but only 100 metres of drill rod were available during the October drilling program).

A low-bed truck was required to deliver the drill to the property, but once on the property the drill encountered no problems in moving from site to site.

DRILLING PROGRAM - 1997 continued

The Drill continued

A one-ton, 4 x 4, pick-up with diesel and water tanks and spare casing accompanied the drill to each drill site.

The Program

The drilling program was carried out between September 30 and October 23, 1997. It involved the drilling of 11 drill holes, totalling 984 metres. The drill holes which ranged from 61.0 to 100.6 metres in length were scattered across the property over a distance of 4 km.

The key objective of the drilling program was to test for the extension of the Main Brett Shear Zone on to the northeast corner of the Gold Star 1 mineral claim. Five drill holes, RCDH's 97-2 to 6, spaced at 100 metre intervals were drilled for this test.

Three drill holes of the program (RCDH's 97-1, 7 & 8) were designed to test shear zones on the east-central portion of the Gold Star 1 mineral claim in areas where they had not been drilled in previous programs.

The last three drill holes of the program (RCDH's 97-9 to 11) were drilled at 3 widely separated sites to test shear zones on some of the newly acquired mineral claims (Newstar 1-8, Star 1-2, and Goldstar 2).

RCDH 97-1 was drilled on a second priority target while the loggers were finishing the access route to sites RCDH's 97-2 to 6. Once the access route was completed, the rest of the drilling program was carried out as originally planned.

DRILLING PROGRAM - 1997 continued

The Program continued

The specifics of each drill hole are listed in the Table below:

DRILL HOLE NUMBER	MINERAL CLAIM DRILLED	COORDINATES NORTH WEST	AZIMUTH	DIP	ELEVATION (metres)	LENGTH (metres)
RCDH GS-97-1	Gold Star 1	15+65N 4+10W	270°	-70°	1375	67.1
RCDH GS-97-2	Gold Star 1	16+94N 0+34W	060°	-45°	1443	94.5
RCDH GS-97-3	Gold Star 1	17+99N 0+32W	060°	-45°	1462	100.6
RCDH GS-97-4	Gold Star 1	18+97N 0+32W	060°	-45°	1473	100.6
RCDH GS-97-5	Gold Star 1	20+03N 0+32W	060°	-45°	1486	100.6
RCDH GS-97-6	Gold Star 1	21+02N 0+32W	060°	-45°	1490	84.4
RCDH GS-97-7	Gold Star 1	14+83N 4+80W	270°	-65°	1340	100.6
RCDH GS-97-8	Gold Star 1	11+90N 8+15W	060°	-45°	1165	73.2
RCDH GS-97-9	Newstar 5	- -	275°	-45°	1330	100.6
RCDH GS-97-10	Goldstar 2	- -	060°	-60°	1310	100.6
RCDH GS-97-11	Star 1	- -	270°	-45°	1676	<u>61.0</u>
Total						983.8

A summary description of each drill hole is given under a later title in this report.

Sampling

Approximately 30 kg of rock powder and chips were produced from each 3 metre drill intercept. The 30 kg sample was poured evenly across a large sheet of plywood and a cement trowel was used to scoop a representative sample from several points of the pile until 2½ kg of material was collected in a plastic rock sample bag for shipment to the laboratory. A second sample was collected in the same manner for back-up purposes, and the excess material was discarded.

DRILLING PROGRAM - 1997 continued

Sampling continued

A geological sample for logging purposes was also screened and washed from each 3 metre drill interval.

In order to save assaying costs, several of the individual (3 metre) samples were combined with adjoining 3 metre drill intervals to make up composite samples. If the geology did not appear promising sometimes up to 5 samples (representing 15 metres of drill intercept) were combined as a single composite sample. It was felt that if the composite samples proved to be anomalous in certain elements, then the individual samples making up the composite sample could be analyzed at a later date. As it happened, only one sample (GS-80) was selected for individual sample analysis (see Table on Figure 15).

A total of 140 samples (singles and composites) were delivered to Eco-Tech Laboratory in Kamloops, and these represented all of the bedrock encountered in the drilling program. The 140 samples were analyzed for 28 elements by standard ICP methods, and for gold by Atomic Absorption.

The samples were crushed to -10 mesh using jaw and cone crushers and then a 250 g split sample was ring pulverized to approximately -140 mesh. A measure of the -140 mesh material was digested by Aqua Regia and analyzed by ICP. Fire Assay and Atomic Absorption were used for the gold analysis.

The analytical results are listed in Appendix D.

DRILLING PROGRAM - 1997 continued

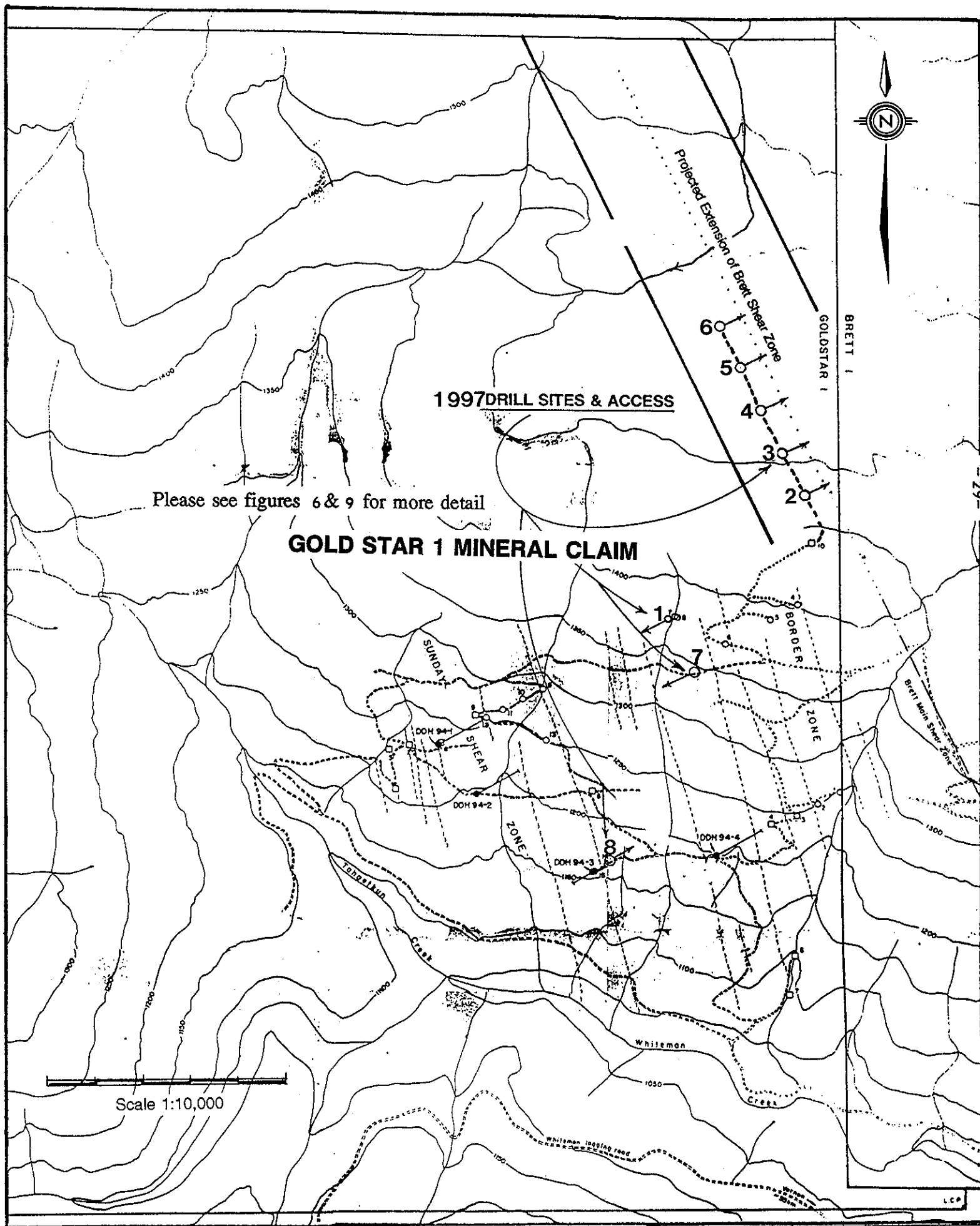
Geological Study of the Drill Chips

Approximately 200 grams of screened and washed drill chips (3 to 10 mm in size) were collected from each drill intercept for viewing and logging purposes. A quick logging was done on site to guide the drill program, and a more thorough logging was done at a later date to properly appraise the drill program results. During the drilling operations, notes were made with regard to the amount of clay material that was washed from the chip samples as it was recognized that clay gouge often represents shearing and faulting.

The drill chips were of sufficient size to allow for the identification of mineral constituents and rock type. Quartz and calcite chips from broken veinlets were readily identifiable and recorded in the drill log. The pyrite content within quartz chips was also recorded. The degree of clay alteration and silicification of the rock was noted, as was the pyrite content of the rock as a whole. All of the data observed for each sample interval is recorded in the drill logs that accompany this report (see Appendix C).

Percussion drilling has clear disadvantages when compared with core drilling. The drill chips are like pieces of a jigsaw puzzle, and they must be studied in detail in order to reconstruct the geological picture. If the geologist has enough time to monitor the percussion drill then rock changes can be recorded within an accuracy of a few centimetres if the rock change is obvious (for example, drilling from a black andesite into a white tuffaceous rock). However, most of the time the 3 metre sample is a mix of chips, of perhaps, 75% trachyte, 20% dyke material and 5% tuff, and the best the geologist can do is record the percentages of each rock unit without the exact knowledge of where each lies with respect to the other. The logs for the eleven drill holes as presented on cross-sectional Figures 10-20 therefore represent some geological guesswork.

The eleven drill logs and accompanying Cross-Sections comprise Appendix C of this report.



DOUBLESTAR RESOURCES LTD.

GOLD STAR PROPERTY
Whiteman Creek Area
Vernon Mining Division, B.C.

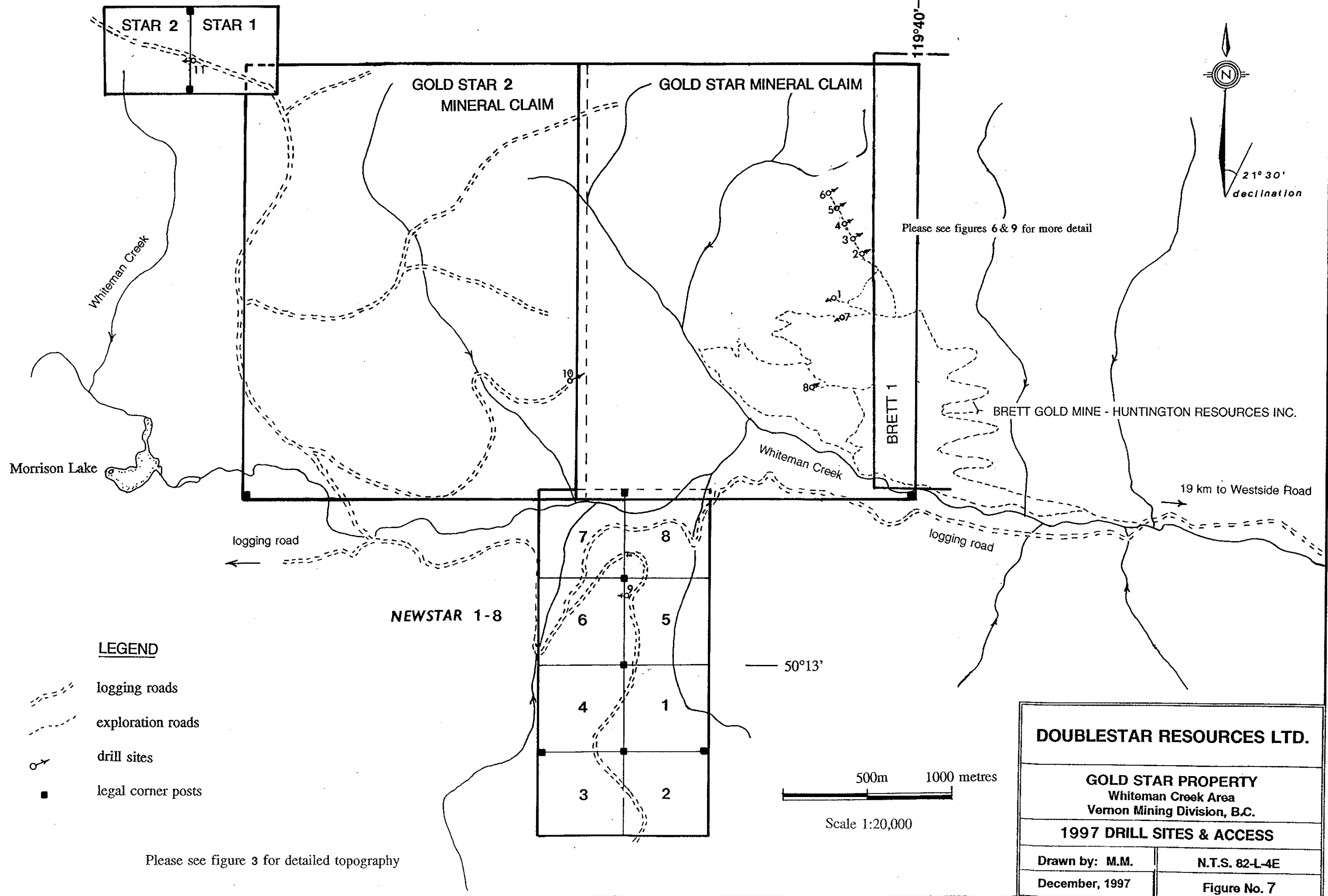
1997 DRILL SITES & ACCESS

Drawn by: M.M.

N.T.S. 82-L-4E

December, 1997

Figure No. 5



GOLD STAR 1

BRETT 1

1996 GEOCHEMICAL
SURVEY AREA

DRILL LOCATIONS

BRETT MAIN SHEAR ZONE

INTRUSIVE ROCKS

6 Monzonite/syenite dyke
VOLCANIC ROCKS

- 5 Feldspar, pyroxene, porphyritic trachy-andesite
- 4 Feldspar porphyritic andesite
- 3 Mafic ash tuff, lapilli tuff
- 2 Andesite, minor andesite breccia
- 1 Andesite lahar

Geological contact - inferred

Fault

Shear

● ○ Diamond drill hole, Reverse circulation hole

1997 drill hole

Road



DOUBLESTAR RESOURCES LTD.

H.M. JONES & ASSOCIATES INC. VANCOUVER B.C.

GOLD STAR PROPERTY
GEOLOGY MAP
GOLD STAR 1

VERNON AREA

N.T.S. 82L-4E, 5E

VERNON M.D., B.C.

0 300 600 METRES

SCALE: AS SHOWN
H.M. JONES

OCT. 1996

FIG. 9

for Morrison

SUMMARY OF THE DRILLING RESULTS - 1997

The Main Brett Shear Zone - RCDH'S 97-2 to 6

General Comment

Drill holes RCDH 97-2 to 6 on the Gold Star 1 mineral claim were designed to test the Main Brett Shear Zone at 100 metre intervals starting from a point 80 metres northwest of the Brett property boundary (see Figure 6). There is no expression of the Main Brett Shear Zone on the Gold Star property and the drill targets were simply selected by projecting the Shear Zone as a straight line to the northwest from where it was last intercepted on the Brett property. It was hoped that there would not be any offsetting by late transverse faults.

Because the exact position of the target was unknown, it was decided to test as much horizontal distance as possible with each drill hole and each was drilled at minus 45 degrees to the northwest (060°).

Considerable time and expense was required to gain access to the five drill sites in the heavy forest. Once the drill sites were established, the logging contractor was sent home and it was recognized that the altering of drill sites would be difficult after the drill program started. Even when RCDH 97-2 cut the Main Brett Shear Zone near the end of the drill hole, it was decided to carry on with the established drill sites.

The drilling program was further complicated by the fact that the drillers had access to only 30 drill rods and the total length of the drill holes was limited to 100.6 metres. The maximum depth reached on the Main Brett Shear Zone was only 72 metres.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

The Main Brett Shear Zone - RCDH'S 97-2 to 6 continued

General Comment continued

Huntington Resources' geologists had determined that the gold associated with the Main Brett Shear Zone on the Brett property had a vertical control, and that the optimum elevation for their gold zone extended from 1180 to 1360 metres above sea level. The vertical zoning was a concern for this year's drilling program in that the drill sites get progressively higher in elevation towards the northwest and in theory further away from the optimum gold horizon. The main objective of this year's program was therefore, to locate the Main Brett Shear Zone, and it was decided that the testing of the Shear Zone to the optimum depth would be carried out at some later date.

As it happened, all five drill holes did intercept the Main Brett Shear Zone, and the drill hole that was drilled from the highest elevation (RCDH 97-6) returned the best gold values (see Discussion).

RCDH's 97-2 to 6

The geology encountered in drill holes RCDH's 97-2 to 6 is recorded in detailed logs and illustrated on Cross-Sections (Figures 11-15) which accompany this report.

The cross-sectional diagrams illustrate that there are both vertical and horizontal components to the geology. The fracture or shear zones which cut the geology are thought to be vertical, or nearly so, while the volcanic sequence (trachytes and trachyandesites) are thought to be generally horizontal (at least in cross-section). No

SUMMARY OF THE DRILLING RESULTS - 1997 continued

The Main Brett Shear Zone - RCDH'S 97-2 to 6 continued

RCDH's 97-2 to 6 continued

attempt has been made to try to determine the displacement across the various shear zones, but in most cases it is thought to be minimal.

The sequence of vertical shearing is fairly consistent from drill hole to drill hole, particularly in the case of the Main Brett Shear Zone. Most of the drill holes start in a fracture zone, then enter a wide shear, followed by a zone of competent rock, before encountering the Main Brett Shear Zone.

The fracture zones are often very limonitic, but they do not have the clay gouge which is characteristic of the shear zones. The shear zones have considerable clay gouge and some crystals are smeared or entirely pulverized.

The degree of argillic alteration of the volcanic rock is directly proportional to the degree of shearing. The alteration is slight in fracture zones and increases to moderate or strong in shear zones. The Main Brett Shear Zone is the most altered of all. The argillic alteration is restricted to the groundmass minerals of the volcanics in the least sheared zones, but involves even phenocrysts in the highly sheared rock. The trachytes with a fine grained groundmass are generally more altered than the trachyandesites with an aphanitic groundmass. The trachyte is apparently more permeable at a microscopic scale.

Disseminated pyrite occurs with the argillic alteration, but never equals much more than 2%.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

The Main Brett Shear Zone - RCDH'S 97-2 to 6 continued

RCDH's 97-2 to 6 continued

Quartz veinlets equalling ½ to 2% cut through most of the rock, but are generally most abundant in shear zones. The quartz veinlets occur in at least four styles. There are grey quartz microveinlets, white quartz veinlets, grey quartz veinlets with up to 20% contained pyrite and white and pink, sugary, quartz-carbonate veinlets. These latter veinlets are a feature of the strongest shear zones. The quartz-carbonate veinlets are believed to be a late phase, and some of the higher gold values appear to be associated with these veinlets. There are also slightly elevated gold values (15 to 20 parts per billion) associated with some of the pyrite-bearing quartz veinlets.

The best gold values of the five drill holes were recorded for RCDH's 97-2 & 6. In the case of RCDH 97-2, the best samples were GS-16, 18 & 19 which contained 10 to 25% pink and white quartz-carbonate veinlets that occurred within the Main Brett Shear Zone. The gold values for these three samples were 35, 25 and 40 ppb, respectively.

Several samples of RCDH 97-6 yielded gold values ranging from 15 to 50 ppb. In most cases, neither the quartz vein content (1%), nor the pyrite content (2-4%) is remarkable. Samples GS 87 & 88 with 15 and 20 ppb gold, respectively, contained 2-5% pink and white quartz-carbonate veinlets similar to those of RCDH #97-2. These veinlets invaded the Main Brett Shear Zone encountered in RCDH 97-6.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

The Main Brett Shear Zone - RCDH'S 97-2 to 6 continued

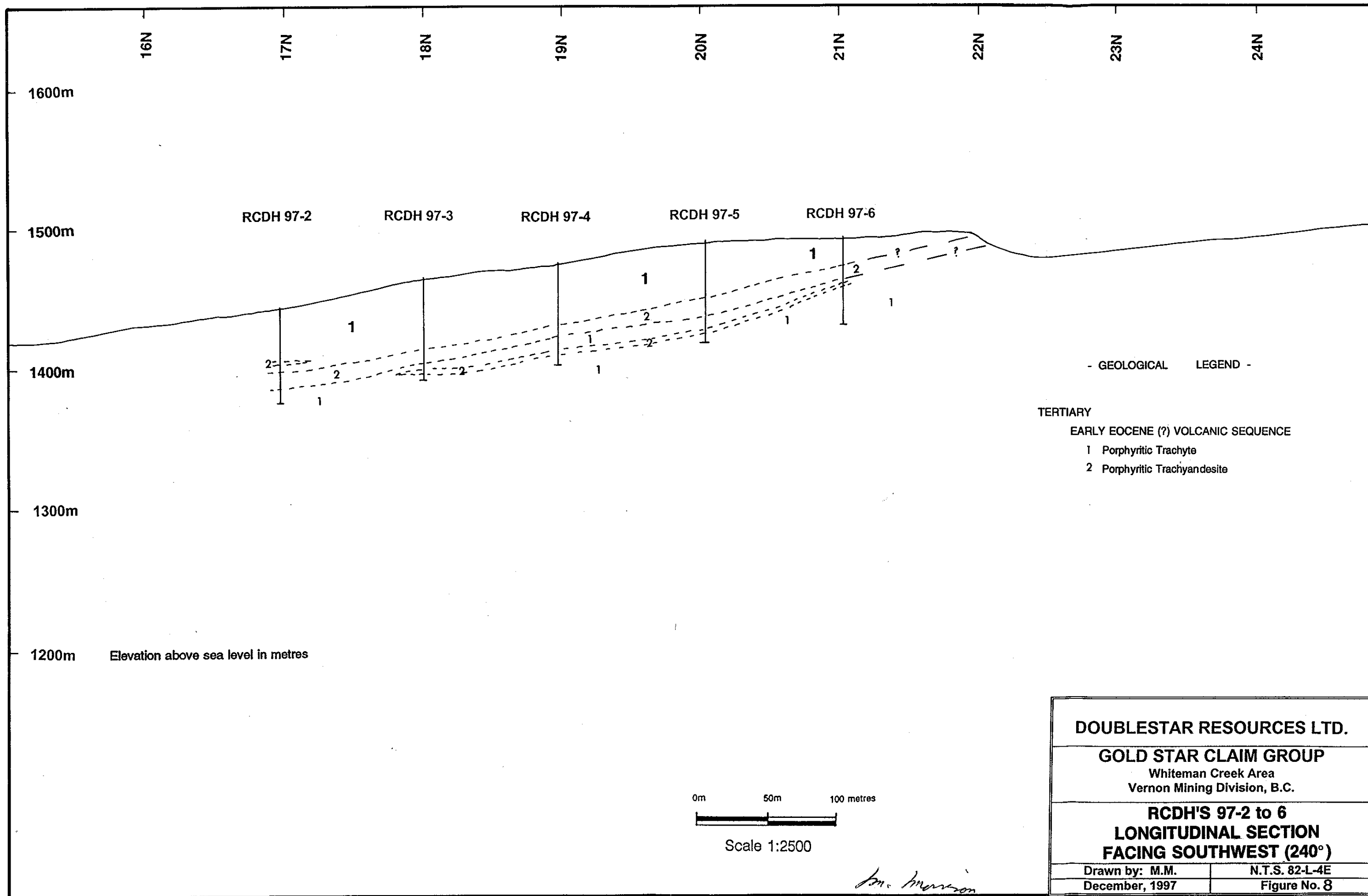
RCDH's 97-2 to 6 continued

The best sample of RCDH 97-6 (sample GS-80) exhibited no unusual features and yet yielded 50 ppb gold over 6 metres. The two 3 metre check samples of this interval (samples GS-139 & 140) yielded 150 and 55 ppb, respectively.

None of the sample intervals of drill holes RCDH's 97-3 to 5 yielded remarkable gold values and most of the slightly elevated values occur with increases in pyrite content or quartz veinlet content (see Figures 12 - 14).

The Longitudinal Section of drill holes RCDH's 97-2 to 6 at a scale of 1: 2500 (see Figure 8) may explain why some of the better gold values occur with RCDH 97-6. If the thickest trachyandesite unit is used as a "marker unit" then it can be seen that the Tertiary volcanic sequence dips more steeply than the surface slope. In fact, if the trachyandesite unit is projected to the northwest with the same 12 degree dip, it should actually come to surface just 110 metres to the northwest of RCDH 97-6. The geometry of the Longitudinal Section illustrates that RCDH 97-6 actually cuts the Tertiary volcanic sequence at a lower level than the other four drill holes. If there is a vertical or stratigraphic control for the emplacement of gold then the higher gold values of RCDH 97-6 are explained.

Of course, another explanation for the higher gold values would be another source of gold originating from the northwest.



SUMMARY OF THE DRILLING RESULTS - 1997 continued

Other Shear Zones On The Gold Star 1 Mineral Claim

RCDH 97-1

RCDH 97-1 was the first drill hole of the 1997 drill program. It was drilled into a second priority target while the loggers were still putting in the access road to drill sites RCDH's 97-2 to 6.

Drill hole RCDH 97-1 was drilled from the old access road into drill sites 88-7 & 8 of the Brican drilling program. The Brican drill holes had yielded elevated gold (to 134 ppb) and arsenic (to 470 ppm) values, and this year's drill hole was designed to test a tuff horizon coincident with a shear zone in the area. The drill hole was drilled west (270°) at minus 70 degrees to intercept the shear zone at a depth of 40 metres.

The cross-section of the drill hole (Figure 10) shows that after 13 metres of overburden the drill penetrated 23 vertical metres of porphyritic andesite before intercepting 28 vertical metres of a very fine grained white tuff of possible rhyodacitic composition. The drill hole ended in the tuff, and the last 20 metres of the tuff interval were coincident with a strong shear zone. The drill hole had to be abandoned at 67.1 metres due to severe caving.

Moderate argillic alteration occurs in zones equalling 10 to 20% of the rock throughout the porphyritic andesite and 1 to 4% pink and white sugary quartz-carbonate veinlets are associated with these zones.

The upper 12 metres of the tuff unit is well silicified. Clay gouge equals 20% to 70% within the shear zone and argillic alteration is moderate with the development of ½%

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Other Shear Zones On The Gold Star 1 Mineral Claim continued

RCDH 97-1 continued

pyrite. Pink and white sugary quartz-carbonate veinlets cut the tuff and equal 1 to 5%.

The two highest arsenic values (45 ppm) of RCDH 97-1 are associated with the sample intervals that contain the most pink and white quartz-carbonate veinlets.

RCDH 97-7

RCDH 97-7 was drilled from the centre of another old exploration road and was designed to intercept a second shear zone sub-parallel to the shear zone of RCDH 97-1. The drill hole was drilled west (270°) at minus 70 degrees to a depth of 100.6 metres (see Figure 16).

After passing through 20 vertical metres of overburden, the drill encountered a porphyritic trachyandesite unit for its entire length.

Argillic alteration of the trachyandesite is variable and ranges from slight to strong with some of the most intense alteration associated with the shear zones.

The same pink and white sugary quartz-carbonate veinlets that were seen in drill holes RCDH's 97-1 to 6 occur in RCDH 97-7 and equal from 1 to 5% of the rock. These veinlets also contain pyrite (up to 5%). There is some correlation between those samples which yielded the best gold values (samples GS-93 & 96) and those which contain the most quartz-carbonate veinlets. There is also a correlation between pyrite

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Other Shear Zones On The Gold Star 1 Mineral Claim continued

RCDH 97-7 continued

content and gold and arsenic values. Sample GS-101 with 7% pyrite yielded 30 ppb gold and 40 ppm arsenic, while sample GS-102 with 5% pyrite yielded 80 ppm arsenic.

RCDH 97-8

RCDH 97-8 was drilled from the site of old drill hole 88-15. Drill hole 88-15 had intercepted well altered rock with abundant pyrite and several tens of metres of 10 - 35 ppb gold and 20 to 120 ppm arsenic. In 1994, DDH 94-3 was drilled to the west to locate the source of the heavy alteration. The drill hole encountered insignificant gold and arsenic values. This year's drill hole was designed to test rock to the northeast (060°) of drill hole 88-15, and it was drilled at minus 45 degrees to a vertical depth of 58 metres.

The cross-section (Figure 17) shows that RCDH 97-8 penetrated 50 vertical metres of porphyritic trachyte before passing into a tuff unit for the last 2 vertical metres of the drill hole.

Three shear zones (21.3-28.0 m, 33.5-45.7 m and 70.1-73.2 m) and a 9 metre wide syenite dyke (51-63 m) were intercepted by the drill hole. The drill hole encountered severe caving with the third shear zone and had to be abandoned at 73.2 metres.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Other Shear Zones On The Gold Star 1 Mineral Claim continued

RCDH 97-8 continued

Strong argillic alteration with associated pyrite (3 to 7%) was encountered within the shear zones. Elsewhere the porphyritic trachyte is only weakly to moderately altered, and the syenite dyke is generally fresh. The tuff unit is well altered with 5% pyrite, but only a 3 metre interval was drilled before the drill hole had to be abandoned.

Although the pyrite content of drill hole RCDH 97-8 is generally high, the gold and arsenic values are insignificant (see Table on Figure 17).

There is an absence of quartz-carbonate veinlets in RCDH 97-8 and this may account for the low gold and arsenic values. Evidence from drill holes RCDH's 97-1 to 7 indicates that the late quartz-carbonate veinlets have an association with better gold and arsenic values on the Gold Star 1 mineral claim.

Shear Zones on the Newstar 5 Mineral Claim

RCDH 97-9

RCDH 97-9 was drilled west (275°) at minus 45 degrees from the edge of a logging road on the Newstar 5 mineral claim. It was known from earlier mapping that a thick lapilli tuff unit underlies this portion of the property and that the unit is cut by strong north-south shear zones. The minus 45 degree drill hole was designed to test as much of the lapilli tuff unit and as many of the shear zones as possible.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Shear Zones on the Newstar 5 Mineral Claim continued

RCDH 97-9 continued

A cross-section of the drill hole (Figure 18) illustrates that a total thickness of 52 metres of lapilli tuff was encountered under a "cap" of 10 metres of basalt. An additional 5 metres of welded tuff and banded tuff lies at the base of the lapilli tuff and a porphyritic flow rock believed to be of dacitic composition underlies the banded tuff. The drill hole ends in the flow rock at a vertical depth of 72 metres (100.6 metres total drill length).

Three very clayey shear zones were encountered in the drill hole (15.2-24.4 m, 30.5-36.6 m and 67.1-79.2 m) with apparent widths of 7, 4 and 8 metres, respectively. The clay gouge equals 70 to 95% in each shear zone as indicated on Figure 18.

Much of the thick lapilli tuff unit exhibits moderate to strong clay alteration, but the pyrite content is generally low (trace to ½%).

White barren quartz veinlets occur at several intervals within the drill hole and equal 1 to 2% generally and up to 7% locally (see Figure 18). No economic elements occur with the quartz veinlets and gold values throughout the drill hole are low (5 ppb).

Barium values are slightly elevated (175 to 370 ppm) over several tens of metres of drill hole RCDH 97-9, but the significance of the barium is unknown.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Drill Hole on the Goldstar 2 Mineral Claim

RCDH 97-10

A logging landing near the eastern edge of the Goldstar 2 mineral claim was selected for the site of RCDH 97-10. The hole was drilled at minus 60 degrees in a direction of 060 degrees to obtain a good section of the Early Eocene (?) volcanic sequence on this portion of the Gold Star Claim Group. It was hoped that the drill hole would intercept a lapilli tuff unit that is believed to underlie the Goldstar 2 mineral claim.

Unfortunately, the drill hole encountered a homogeneous andesite throughout the entire length (100.6 metres) and never did reach the lapilli tuff unit (see Figure 19).

Only one 5 metre wide shear zone was intercepted in the drill hole (from 39.6 to 48.8 m). The rock within the shear zone is 70 to 80% altered to white and light green clay minerals.

Quartz veinlets are rare throughout the drill hole and all gold values were low (5 ppb).

Barium values are generally elevated (i.e. several metres of 515 to 825 ppm) but occur in areas of the drill hole where there are no other significant features.

SUMMARY OF THE DRILLING RESULTS - 1997 continued

Shear Zone on the Star 1 Mineral Claim

RCDH 97-11

RCDH 97-11 was drilled from a log landing site on the Star 1 mineral claim. The drill hole was designed to test a shear zone which outcrops near the landing. The shear zone with minor quartz veinlets had yielded anomalous arsenic (300 ppm) and molybdenum (130 ppm) values in a sample collected by the writer in 1996. Both arsenic and molybdenum occur in anomalous amounts near some of the Okanagan Tertiary gold occurrences.

The drill hole was drilled west (270°) at minus 45 degrees to intercept the shear zone at a depth of 38 metres (see Figure 20). The drill hole encountered a trachyandesite unit throughout (see drill log for a description). A 4 metre wide shear zone was penetrated from 36.6 to 42.7 metres and a second shear zone was encountered near the end of the drill hole at 55.5 to 61.0 metres. The drill hole was stopped in the second shear zone.

Considerable clay gouge and clay alteration of the trachyandesite was encountered in each shear zone, but quartz veining (less than ½%) and pyrite mineralization (½%) were insignificant. No gold of note was intercepted and the lower shear zone samples (GS 137 & 138) yielded only 10 to 15 ppm arsenic. There were no other economic elements that had values of interest.

LITHEOGEOCHEMISTRY

The only significant economic elements outlined during this year's drilling program are gold and arsenic and these have been discussed at length in the foregoing pages. There is some correlation of high gold values with high arsenic values, and both elements are often associated with late pink and white quartz-carbonate veinlets in shear zones.

There is elevated magnesium (2.50 to 3.07%) in the two samples (GS 16 & 17) with the most quartz-carbonate veinlets (25%), and some of the carbonate is undoubtedly dolomite.

The better silver values show a slight correlation with the elevated gold values, but all of the silver values are surprisingly low (most less than 1 part per million).

Barium values are elevated (150 to 800 ppm) in several samples from drill holes RCDH's 97-9 & 10, but there are no other "support" elements in these samples and the significance of the barium is unknown, other than the fact that epithermal systems often have elevated barium concentrations.

DISCUSSION

Based on this year's drill results summarized under a previous title, the Main Brett Shear Zone continues to be the most prospective gold target on the Gold Star Claim Group. The best gold values obtained from this year's samples came from the five drill holes (RCDH's 97-2 to 6) that penetrate the Main Brett Shear Zone and the best drill hole of all was RCDH 97-6 which yielded an average 25 ppb gold over 60 metres.

This year's data also revealed that some of the more elevated gold values were obtained from samples that contained pink and white quartz-carbonate veinlets. These veinlets invade the Main Brett Shear Zone and parallel shear zone as well as the shear zones intercepted in RCDH's 97-1 & 7. The highest concentration of these veinlets occur with the Main Brett Shear Zone and an intercept near the bottom of RCDH 97-2 (79.2-85.3 metres) contained 25% quartz-carbonate vein material.

It is believed that the quartz-carbonate veinlets may represent the outermost "fingers" of the gold-bearing veins that have been explored on the neighbouring Brett property.

The characteristic pink and white quartz-carbonate veinlets are notably lacking in drill holes RCDH's 97-8 to 11, and each of these drill holes returned poor gold and arsenic values.

The Longitudinal Section of RCDH's 97-2 to 6 (see Figure 8) may yield a clue as to why RCDH 97-6, which is the farthest removed from the Brett property, produced the best gold results. The Section illustrates that the Early Eocene (?) volcanic sequence dips southerly more steeply than the topography. The result is that stratigraphic horizons that are deeply buried near the claim boundary can be expected to come closer to surface to the northwest. This is demonstrated with the trachyandesite "marker unit" on Figure 8.

DISCUSSION continued

The Longitudinal Section shows that RCDH 97-6 penetrated the stratigraphy to a greater depth than drill holes RCDH's 97-5, 4 or 3. There is the possibility, therefore, that the zonation of the gold associated with the Main Brett Shear Zone may be stratigraphically controlled.

There is, of course, also the possibility that another source of gold-bearing solutions originate from the northwest.

Considering either the "stratigraphic control" or "second source" hypotheses, the northeast corner of the Gold Star 1 mineral claim offers some attractive exploration targets. The tuffaceous beds that underlie the Brett and Gold Star properties are known to be good hosts for the emplacement of gold and greatly increase the size potential of any gold deposits that may be discovered on the properties. The fact that these tuffaceous beds rise closer to surface towards the northwest improves the logistics for exploring these horizons.

The suggestion that there may be a second source of gold-bearing epithermal solutions originating from the northwest improves not only the potential of the Main Brett Shear Zone, but also all of the parallel shear zones that cross the Gold Star 1 mineral claim to the west.

The northern half of the Gold Star 1 mineral claim has never been mapped. It was assumed that flat-lying flow rocks covered the entire area. It is now apparent that all of the highly prospective tuffaceous rocks that outcrop on the steep slopes on the central part of the Gold Star 1 mineral claim may emerge again on the northern portion of the mineral claim. It is, therefore, recommended that the northern half of the Gold Star 1 mineral claim be mapped at a scale of 1: 2500.

DISCUSSION continued

Further drilling on the Main Brett Shear Zone is also recommended. This year's drilling program defined the Shear Zone, but none of the drill holes reached more than 72 metres in depth. The Main Brett Shear Zone should be tested for gold at depth with a series of 200 metre holes drilled from the established drill sites of the 1997 program. The drilling program should start at site RCDH 97-6 and move southeasterly to the other 5 sites if warranted by early results.

The tracing of the Main Brett Shear Zone to the northwest of RCDH 97-6 should await the outcome of the deep drilling program. Considerable effort and expense would be required to extend the access road to the northwest due to "soft" ground and a heavy forest cover.

Elsewhere on the Gold Star 1 mineral claim the results of RCDH's 97-1, 7 & 8 are disappointing. The gold values are low in spite of strong shear zones and widespread argillic alteration. No further work is recommended on the east-central portion of the Gold Star 1 mineral claim until the geology of the property at large is better understood.

Low gold values were also obtained from the samples submitted from RCDH's 97-9 to 11 on the peripheral mineral claims. However, the three drill holes were scattered across a large area and they do not provide enough data to properly evaluate the mineral claims.

For instance, the geology of RCDH 97-9 on the Newstar 5 mineral claim is intriguing in that a very thick (52 metre) and permeable lapilli tuff unit is cut by several strong shear zones and is capped with an impervious basalt. This combination of geology is considered very favourable for hosting an epithermal gold deposit and RCDH 97-9 tested only one portion of a shear zone that is expected to cross the full 2 km length of the Newstar 1-8 mineral claims.

Much of the geology underlying the Goldstar 2 mineral claim is believed to be equivalent to that which underlies the Gold Star 1 and Brett mineral claims. RCDH 97-10 which was

DISCUSSION continued

designed to sample the volcanic sequence on the Goldstar 2 mineral claim was "unlucky" in that it tested only a single unit (andesite) and never did break through to a lapilli tuff unit that is believed to underlie the mineral claim.

Geological mapping of the Goldstar 2 mineral claim is warranted, especially with this year's discovery that the Early Eocene (?) volcanic sequence north of Whiteman Creek dips southerly, and that some of the tuffaceous horizons exposed in the canyon of Whiteman Creek may outcrop again on the northern half of the mineral claim.

It is recommended that the peripheral mineral claims be maintained at least until the next phase of drilling is carried out in the Gold Star 1 mineral claim.

CONCLUSIONS and RECOMMENDATIONS

The key objective of this year's Reverse Circulation Drilling Program was to prove that the gold-bearing "Main Brett Shear Zone", on the neighbouring Brett property extends northwest on to the Gold Star 1 mineral claim.

It appears that the objective was met in that all five drill holes (RCDH's 97-2 to 6) which were designed to locate the Shear Zone intercepted a near-vertical strong structural feature 20 metres east of Baseline "O" that aligns with the Brett property Shear Zone.

The Main Brett Shear Zone and parallel secondary shear zone 25 to 50 metres to the southwest are cut by late pink and white quartz-carbonate veinlets which contain pyrite and elevated gold and arsenic values. These veinlets are thought to represent the outermost "fingers" of the gold-bearing epithermal quartz veins which cut through the Early Eocene (?) volcanic sequence on the Brett property.

Three of this year's drill holes (RCDH's 97-1, 7&8) which tested shear zones to the west of the Main Brett Shear Zone on the Gold Star 1 mineral claim returned low gold and arsenic values (see Discussion). Three more of this year's drill holes (RCDH's 97-9 to 11) which tested single targets on the peripheral mineral claims (Newstar 5, Goldstar 2 and Star 1) also yielded insignificant gold and arsenic values.

All eleven drill holes added information with regard to the Early Eocene (?) volcanic sequence in the region. The sequence was found to be highly variable with the possibility of there being more than one source of volcanic material. It was also found that the volcanic sequence dips southerly on the Gold Star 1 mineral claim, and that tuffaceous units that were thought to be deeply buried on the northern half of the Gold Star 1 mineral claim may actually outcrop.

CONCLUSIONS and RECOMMENDATIONS continued

It was discovered that stratigraphy may play a role in the disposition of gold on the Main Brett Shear Zone, and that the higher gold values of RCDH 97-6 (an average of 25 ppb over 60 metres) compared with those of drill holes RCDH's 97-2 to 5 may be explained by the stratigraphy (see Discussion). It is also suggested that there could be another source of gold-bearing epithermal solutions originating from the northwest.

No matter which hypothesis is used to explain the increase in gold values of RCDH 97-6, both suggest that the northern half of the Gold Star 1 mineral claim may have more potential than previously thought, and more exploration is recommended for the region. A mapping program at a scale of 1: 2500 is recommended for the northern half of the Gold Star 1 mineral claim.

Five more drill holes of 200 metres each should be drilled from sites RCDH 97-2 to 6 to test the Main Brett Shear Zone for gold at depth. Site RCDH 97-6 should be drilled first and the drill should be moved to the other sites in succession if the results are positive.

Establishing drill sites to the northwest of RCDH 97-6 to follow the Main Brett Shear Zone will be difficult due to "soft" ground and a heavy forest, and work in this direction should await positive results from the deep drilling program.

Additional work on the peripheral mineral claims should also await the deep drilling program on the Gold Star 1 mineral claim (see Discussion). In the meantime, these mineral claims should be kept in good standing.

In summary, the Gold Star Claim Group has the potential to host a large economic epithermal gold deposit and further exploration of the Main Brett Shear Zone is highly recommended.

December 30, 1997
Kelowna, B.C.


Murray Morrison, B.Sc.

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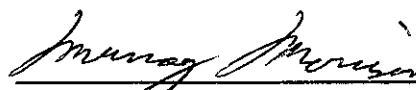
APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Murray Morrison, of the City of Kelowna, in the Province of British Columbia, do hereby state that:

1. I graduated from the University of British Columbia in 1969 with a B.Sc. Degree in Geology.
2. I have been working in all phases of mining exploration in Canada for the past twenty-nine years.
3. During the past twenty-nine years, I have intermittently held responsible positions as a geologist with various mineral exploration companies in Canada.
4. I have conducted several geological, geochemical, and geophysical surveys on mineral properties in Southern British Columbia during the past twenty-nine years.
5. I supervised the Reverse Circulation Drilling Program outlined in this report.
6. I own a 50% interest in the Gold Star 1 Mineral Claim and a 1% net Smelter Interest in the Goldstar 2, Newstar 1-8 and Star 1-2 mineral claims.

December 30, 1997
Kelowna, B.C.


Murray Morrison - B.Sc.

APPENDIX B

STATEMENT OF EXPENDITURES - ON THE GOLD STAR CLAIM GROUP

Statement of Expenditures in connection with a Reverse Circulation Drill Program carried out on the Gold Star Claim Group, located at Whiteman Creek, 30 km west of Vernon, B.C. in the Vernon Mining Division (N.T.S. Map 82-L-4E) for the year 1997.

DRILL SITE PREPARATION

Logging operation to gain access to drill sites

RCDH's 97-2 to 6 through a thick forest

C.M. Contacting:

Skidder	60 hrs. @ \$68.00/hr.	\$ 4,080.
Skidder Operator	8½ days @ \$200.00/day	1,700.
Faller	6 days @ \$300.00/day	1,800.
	7% G.S.T.	530.

Wayne Watson Excavating of Westside Road:

Contracted to dig sumps at drill sites and repair old exploration roads (washouts, etc.)

Case 580 SK Turbo 4x4 Tractor with front scoop and backhoe, including operator and mobilization and demobilization from Westside Road

11¼ hrs. @ \$65.00/hr.	731.
7% G.S.T.	51.

Supervision: M. Morrison, geologist
(measured out proposed drill sites,
conducted prep. work, supervised
logging and backhoe operations)

7 days @ \$214.00/day	1,498
-----------------------	-------

Pick-up truck, 4x4 (including gasoline and insurance)

7 days @ \$80.25/day	562.
----------------------	------

Meals and Lodging

no charge

Sub-total \$10,952.

DRILLING COSTS

Reverse Circulation Percussion Drill (8.3 cm bore)		
	983.59 metres @ \$36.089/metre	\$35,497.
Rig moving	13 hrs @ \$150.00/hr.	1,950.
Mobilization and demobilization from Westbank, B.C.		750.
Consumables: mud, foam, casing shoe		487.
	7% G.S.T.	2,708.
Contractor: Northspan Explorations Ltd. of Westbank, B.C.		
Supervision: M. Morrison, geologist	17 days @ \$214.00/day	3,638.
(includes 11 days of direct drill supervision and 6 days of sample handling and logging of drill chips)		
Pick-up truck, 4x4 (including gasoline and insurance)	14 days @ \$80.25/day	1,123.
Supervision: Paul Gray, geologist	12 days @ \$110.00/day	1,320.
Meals and lodging	12 days @ \$80.00/day	960.
	Sub-total	\$48,433.

ASSAYING COSTS

ICP Analyses for 28 elements plus gold geochem		
	140 samples @ \$20.60 each	\$2,884.
Delivery of samples to the lab (two trips)		300.
	Sub-total	\$ 3,184.

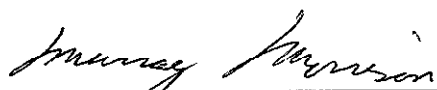
REPORT PREPARATION COSTS

M. Morrison, geologist	14 days @ \$214.00/day	\$ 2,996.
(detailed logging of drill chips, drafting cross-sections and maps, analyzing all data and writing report)		
Typing		214.
Copying Reports		40.
	Sub-total	\$ 3,250.

Grand Total **\$65,819.**

I hereby certify that the preceding statement is a true statement of monies expended in connection with the Reverse Circulation Percussion Drill Program carried out during the period September - October, 1997.

December 30, 1997
Kelowna, B.C.


Murray Morrison, - Geologist

C.M. Contracting (Calvin Moore) (250) 832-2401

Logging ~~Calvin Moore~~

*60 Hr Skidder - 22, 23, 24, 25, 26, 29, 30, 1, 1/2 Days - \$4,080

*200 Day Skidder Driver, 8 1/2 Days \$1,700

*300 Day Faller - 6 Days \$1,800

	7,580	
G.S.T -	<u>530.60</u>	
	8,110.60	Total Costs
Advance	<u>3,500</u>	
	4,610.60	

C. M. CONTRACTING

Selective logging
Small Equipment
Reasonable rates
References available



Calvin Moore 832-2401

PAGE 1 INVOICE# NE9710

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- Mob and Demob	750.00

CONSUMABLES

- 1 NW Casing Shoe	225.00
- 1 Pail Alcomer Mud	135.00
- 1 Pail Foam	127.00

TOTAL CONSUMABLES:	487.00
SUBTOTAL CONSUMABLES:	487.00
SERVICES:	38,197.00
SUBTOTAL SERVICES:	38,197.00
TOTAL GST (TAX REG. # 103935714):	2,707.88
TOTAL P.S.T. TAX:	

TOTAL:	\$41,391.88
LESS ADVANCE	<\$11,000.00>

BALANCE DUE AND PAYABLE:	\$30,391.88
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INVOICE #:AK 97 - 1196

DESCRIPTION		PRICE / SAMPLE	AMOUNT
PROJECT #: Not Given			
102	SAMPLE PREP (CORE/ROCK)	4.50	459.00
102	AU GEOCHEM	8.25	841.50
102	MULTI-ELEMENT ICP	6.50	663.00

SUBTOTAL: 1963.50

& 7% G.S.T: 137.45

TOTAL DUE & PAYABLE UPON RECEIPT: \$ 2100.95

THANK YOU!!

G.S.T. REGISTRATION NUMBER R101565356

**TERMS: NET 30 DAYS. INTEREST AT RATE OF 1 1/2 PER MONTH (18% PER ANNUM)
WILL BE CHARGED ON OVERDUE ACCOUNTS.**

APPENDIX C

DRILL LOGS

And

CROSS-SECTIONS

Figure 10	RCDH 97-1 Cross-Section	Appendix C
Figure 11	RCDH 97-2 Cross-Section	in pocket
Figure 12	RCDH 97-3 Cross-Section	in pocket
Figure 13	RCDH 97-4 Cross-Section	in pocket
Figure 14	RCDH 97-5 Cross-Section	in pocket
Figure 15	RCDH 97-6 Cross-Section	in pocket
Figure 16	RCDH 97-7 Cross-Section	Appendix C
Figure 17	RCDH 97-8 Cross-Section	Appendix C
Figure 18	RCDH 97-9 Cross-Section	in pocket
Figure 19	RCDH 97-10 Cross-Section	in pocket
Figure 20	RCDH 97-11 Cross-Section	Appendix C

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-1****SECTION: 15+65N****PAGE 1 of 2****LOCATION:** 1260m N and 565m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 15+65 N, 4+10W**AZIMUTH:** 270°**DIP:** -70°**LENGTH:** 67.1m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1375m**DATE:** September 30-October 1, 1997**LOGGED BY** M. S. Morrison *M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test a shear zone in Tertiary volcanic rocks**DESCRIPTION:**

0-4.6 metres

Collar

4.6-13.1m

PLEISTOCENE: Silt, gravel and boulder till.

13.1-67.1m

TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE

13.1-37.5m

Porphyritic Andesite: 15% light green plagioclase phenocrysts (3-5mm), 5% augite phenocrysts (to 3mm) and 3% biotite microphenocrysts (to 2mm) are set in a very fine grained dark grey groundmass. Argillic alteration ranges from slight to strong, and the groundmass is altered to light grey or white. Variations within the andesite are listed below.

13.1-18.3m

10% of rock chips exhibit moderate argillic alteration, trace of pyrite, 3% banded pink and white quartz-carbonate veinlets to 1/2cm with pyrite

18.3-21.3m

15% of rock chips exhibit moderate argillic alteration, 1% pyrite, 2% pink and white quartz-carbonate veinlets

21.3-24.4m

50% of rock chips exhibit moderate argillic alteration, 2% very fine grained disseminated pyrite, 2% pink and white quartz-carbonate veinlets

24.4-30.5m

20% of rock chips exhibit moderate argillic alteration, 5% of the rock chips are strongly altered to white with 2% pyrite, 1% pyrite overall

24.4-27.4m 1/2% quartz-carbonate veinlets

27.4-30.5m 2% quartz-carbonate veinlets

30.5-33.5m

moderate argillic alteration, 2% pyrite, 4% pink and white quartz carbonate veinlets

33.5-37.5m

moderate argillic alteration, 2% pyrite, 2% pink and white quartz carbonate veinlets

37.5-67.1m

Tuff: very fine grained, white rhyodacitic(?) moderate to strong argillic alteration, moderate to well silicified locally. Variations are recorded below.

37.5-39.6m

30% grey clay gouge, moderate argillic alteration, well silicified, trace of quartz microveinlets, 1 1/2% pyrite

39.6-42.7m

fractured zone, well silicified, 1/2% pyrite, 2% pink and white sugary quartz-carbonate veinlets

42.7-45.7m

moderate argillic alteration and silicification, trace of pyrite and veinlets like above

45.7-67.1m

Shear Zone: 20-70% grey clay gouge, highly sheared rock

45.7-51.8m

30-40% grey clay gouge, moderate argillic alteration and silicification, 5% pink and white quartz-carbonate veinlets with pyrite, 1/2% pyrite overall

51.8-54.9m

70% grey clay gouge, moderate argillic alteration, 2% pink and white quartz-carbonate veinlets

54.9-61.0m

50% grey clay gouge, slight to moderate argillic alteration, 1-2% pink and white quartz-carbonate veinlets with trace of pyrite

61.0-64.0m

20% grey clay gouge, 50% tuff as above, 50% porphyry flow rock clasts(?), slight to moderate argillic alteration, 1/2% pyrite, 3% pink and white quartz-carbonate veinlets

64.0-67.1m

60% grey clay gouge, moderate argillic alteration and slight silicification of tuff, 1/2% disseminated pyrite

67.1m

End of the drill hole; severe caving

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (10 or more ppm)</u>
GS-1	18.3 - 27.4 = 9.1	5	30
GS-2	27.4 - 36.6 = 9.1	5	45
GS-3	36.6 - 39.6 = 3.0	5	20
GS-4	39.6 - 42.7 = 3.1	5	20
GS-5	42.7 - 51.8 = 9.1	5	45
GS-6	51.8 - 61.0 = 9.2	15	35
GS-7	61.0 - 67.1 = 6.1	5	10

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-2****SECTION: 16 + 94N****PAGE 1 of 2****LOCATION:** 1550m N and 300m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 16+94N, 0+34 W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 94.5m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1443m**DATE:** October 1-2, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main Brett Shear Zone**DESCRIPTION:**

0-1.0 metres	Collar
1.0-94.5m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.0-54.9m	Prophyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to strong (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Pyrite equals only a trace to 1% as indicated below.
1.0-24.4m	Fracture Zone
1.0-3.0 m	moderately fractured and limonite stained
3.0-6.1m	20% of the rock chips are limonite stained; otherwise fresh
6.1-15.2m	40 to 70% of the rock chips are limonite stained; staining increases with depth
15.2-18.3m	70% of the rock chips are limonite stained, moderate argillic alteration of groundmass minerals, trace of disseminated pyrite.
18.3-24.4m	only slight alteration
24.4-54.9m	Shear Zone: up to 30% grey clay gouge, local strong shearing
24.4-27.4m	70% of rock chips are limonite stained
27.4-33.5m	20 to 30% grey clay gouge, slight to moderately argillic alteration of groundmass minerals, trace of pyrite
33.5-39.6m	10-20% grey clay, moderate to strong argillic and chlorite alteration of groundmass minerals, 1% disseminated pyrite.
39.6-45.7m	well sheared, groundmass altered to grey, white and green clay minerals and chlorite, trace of pyrite.
45.7-54.9m	generally fresh rock, only 10% of rock chips exhibit moderate argillic alteration, trace to 1/2% pyrite. Heavy flow of groundwater.
54.9-57.9m	Porphyritic Trachyandesite: 15% white plagioclase phenocrysts and 5% hornblende microphenocrysts are set in a dark grey aphanitic groundmass. Generally unaltered.
57.9-64.0m	Porphyritic Trachyte: like that described near the top of the drill hole, but much less argillic alteration and 1-2% glassy quartz veinlets with minor pyrite.
64.0-79.2m	Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (up to 1mm) are set in an aphanitic grey groundmass. Argillic alteration is restricted to the groundmass and ranges from weak (light green) to strong (white).
64.0-79.2m	trace to 1% glassy quartz veinlets to 1/2 cm.
73.2-79.2m	Fracture zone.
73.2-76.2m	20% of rock chips exhibit slight to moderate argillic alteration.
76.2-79.2m	10% of rock chips exhibit strong argillic alteration, 2% pyrite.
79.2-94.5m	Main Brett Shear Zone
79.2-94.5m	Porphyritic Trachyte: like that described near the top of the drill hole. Highly sheared and strong argillic alteration, 1-4% disseminated pyrite. Veining and other variations are described below.
79.2-85.3m	25% sugary white and pink quartz-carbonate veinlets and replacement zones; the other 75% of the rock chips are strongly altered to white clay minerals and green chlorite, 2-3% pyrite, some pyrite with the veinlets.
85.2-94.5m	10% sugary white and pink quartz-carbonate veinlets and replacement zones; the other 90% of the rock chips are replaced with silica and white and grey clay minerals, 3-4% disseminated pyrite.

Cont'd

91.4-94.5m 5% of the rock chips are comprised of 70% quartz with 30% pyrite.
94.5m End of the drill hole (last of the available drill rod).

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15ppm or more)</u>
GS-08	6.1 - 15.2 = 9.1	15	
GS-09	15.2 - 24.4 = 9.2	20	
GS-10	24.4 - 33.5 = 9.1	20	
GS-11	33.5 - 39.6 = 6.1	35	
GS-12	39.6 - 45.7 = 6.1	10	15
GS-13	45.7 - 54.9 = 9.2	5	
GS-14	54.9 - 67.1 = 12.2	5	
GS-15	67.1 - 79.2 = 12.1	5	
GS-16	79.2 - 82.3 = 3.1	35	35
GS-17	82.3 - 85.3 = 3.0	5	15
GS-18	85.3 - 88.4 = 3.1	25	
GS-19	88.4 - 91.4 = 3.0	40	20
GS-20	91.4 - 94.5 = 3.1	10	50

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-3****SECTION: 17 + 99N****PAGE 1 of 2****LOCATION:** 1642m N and 350m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 17+99N, 0+32 W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 100.6m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1462m**DATE:** October 2, 1997**LOGGED BY** M. S. Morrison *M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main BrettShear Zone**DESCRIPTION:**

0-1.0 metres	Collar
1.0-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.0-68.6m	Prophyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to strong (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Variations in quartz and/or carbonate veinlets, silicification and pyrite content are listed below.
1.0-27.4m	Fracture Zone: moderate to well fractured
1.0-6.1 m	moderately fractured and weathered, highly limonitic
6.1-27.4m	moderate argillic alteration of groundmass minerals
12.2-24.4m	trace of quartz veinlets
24.4-30.5m	1% quartz veinlets
27.4-30.5m	slightly sheared
30.5-39.6m	moderately sheared, moderate argillic alteration
39.6-68.6m	Shear Zone: 20-30% grey clay gouge, moderate to strong shearing
39.6-61.0m	highly sheared, 30% grey clay gouge, 60 to 70% replaced with silica and white to grey clay minerals
42.7-45.7m	1% quartz veinlets, 1% pyrite
45.7-48.8m	5% sugary white and pink quartz-carbonate veinlets with minor pyrite, 5% disseminated pyrite
48.8-54.9m	5% grey quartz veinlets with 30% pyrite; 2% pyrite overall
54.9-57.9m	1% grey quartz veinlets with 30% pyrite; 2% pyrite overall
57.9-61.0m	3% grey quartz veinlets with 30% pyrite; 2% pyrite overall
61.0-64.0m	10% grey silicified zones with 10% pyrite, some quartz microveinlets, 2% pyrite overall
64.0-68.6m	moderately silicified, 5% sugary white and pink quartz-carbonate veinlets, 2% disseminated pyrite
68.6-83.8m	Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (up to 1mm) are set in an aphanitic grey groundmass. Argillic alteration of the groundmass minerals is weak (light green) to strong (white). Variations within the rock are listed below.
68.6-78.9m	slight argillic alteration, 1% white and glassy quartz veinlets, trace to 1/2% pyrite
78.9-83.8m	moderate to strong argillic alteration, 10% dark grey silicified zones with 20% pyrite, 2-3% pyrite overall 1-2% quartz veinlets
78.9-97.5m	Main Brett Shear Zone: 20-30% grey clay gouge, highly sheared rock
83.8-89.9m	Porphyritic Trachyte: like that described near the top of the drill hole, but highly sheared and strong argillic alteration, 10% dark quartz zones with 20% pyrite, 5% pyrite overall
89.9-94.5m	Porphyritic Trachyandesite: like that described higher up the drill hole, moderate argillic alteration 1% quartz veinlets, trace of pyrite
94.5-97.5m	Porphyritic Trachyte: like that described above, strong argillic alteration, 1% quartz veinlets 4% disseminated pyrite
97.5-100.6m	Porphyritic Trachyandesite: like that described above, slight to moderate argillic alteration, 1% quartz veinlets, 2% pyrite overall
100.6m	End of the drill hole (last of the available drill rod)

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15ppm or more)</u>
GS-21	6.1 - 15.2 = 9.1	10	
GS-22	15.2 - 24.4 = 9.2	15	
GS-23	24.4 - 30.5 = 6.1	10	15
GS-24	30.5 - 39.6 = 9.1	5	
GS-25	39.6 - 45.7 = 6.1	10	
GS-26	45.7 - 48.8 = 3.1	5	
GS-27	48.8 - 57.9 = 9.1	20	
GS-28	57.9 - 64.0 = 6.1	10	
GS-29	64.0 - 67.1 = 3.1	20	
GS-30	67.1 - 76.2 = 9.1	5	
GS-31	76.2 - 82.3 = 6.1	5	
GS-32	82.3 - 85.3 = 3.0	10	15
GS-33	85.3 - 91.4 = 6.1	15	15
GS-34	91.4 - 97.5 = 6.1	10	15
GS-35	97.5-100.6 = 3.1	5	

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-4****SECTION: 18 + 97N****PAGE 1 of 2****LOCATION:** 1730m N and 400m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 18+97N, 0+32 W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 100.6m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1473m**DATE:** October 3, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main BrettShear Zone**DESCRIPTION:**

0-1.0 metres	Collar
1.0-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.0-61.0m	Prophyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to strong (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Quartz and/or carbonate veining and the pyrite content are variable as listed below.
1.0-27.6m	Shear Zone: moderate to strong argillic alteration
1.0-3.0 m	soil and broken bedrock, moderate limonite staining, some slickenside surfaces
3.0-6.1m	moderate argillic alteration of groundmass minerals, 1% quartz veinlets
6.1-12.2m	2% disseminated pyrite
12.2-15.2m	30% of the rock chips are fresh, otherwise they are altered as above
15.2-24.4m	1/2% disseminated pyrite
21.4-24.4m	1% amethyst veinlets
24.4-27.6m	2% white, pink and purple sugary quartz-carbonate veinlets
27.6-33.5m	Intershear Zone
27.6-30.5m	relatively fresh porphyritic trachyandesite dyke with aphanitic groundmass
30.5-33.5m	moderate argillic alteration of groundmass minerals
33.5-46.0m	Shear Zone: slight to strong argillic alteration
33.5-42.7m	2-3% white and pink sugary quartz-carbonate veinlets with 5% pyrite
42.7-46.0m	5% white and pink sugary quartz-carbonate veinlets with 5% pyrite
46.0-48.8m	only slight argillic alteration, 1% pyrite
48.8-54.9 m	Fracture Zone: slight to moderate argillic alteration 1/2 to 1% pyrite disseminated
54.9-67.1m	Shear Zone: moderate to strong argillic alteration, 2 to 5% pyrite
57.9-61.0m	20% grey silicified zones with 20% pyrite; 5% pyrite overall
61.0-70.1m	Prophyritic Trachyandesite: 10% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (to 1mm) are set in a light grey to green aphanitic groundmass. Argillic alteration is moderate, pyrite ranges from 1/2 to 2% and quartz veinlets range from 1-2%.
70.1-100.6m	Main Brett Shear Zone: 20-30% grey clay gouge, strong shearing
70.1-85.3m	Prophyritic Trachyte: like that described near the top of the drill hole, highly sheared and strong argillic alteration, up to 30% grey clay gouge. Variations within the rock including veining and pyrite content are listed below.
70.1-73.2m	2% quartz veinlets, 2% disseminated pyrite
73.2-76.2m	sheared and highly altered to clay, silica and chlorite, 5% white and pink sugary quartz-carbonate veinlets with pyrite, 3% pyrite overall
76.2-79.2m	30% light grey clay gouge; sheared and highly altered as above, 10% white and pink sugary quartz-carbonate veinlets with pyrite, 5% pyrite overall
79.2-82.3m	10% silica replacement with 5% pyrite; 2% pyrite overall
82.3-85.3m	50% silica replacement plus 20% dark grey quartz with 20% pyrite
85.3-91.4m	Prophyritic Trachyandesite: like that described above, slight to moderate argillic alteration of groundmass minerals
85.3-88.4m	1% white quartz veinlets, 1/2% pyrite on fractures
88.4-91.4m	20% grey clay gouge, 1% pyrite
91.4-100.6m	Prophyritic Trachyte: like that described above
91.4-97.5m	sheared, moderate argillic alteration, 2% quartz veinlets, 2% disseminated pyrite
97.5-100.6m	sheared, 60% silica replacement, of which 10% is dark grey and contains 10% pyrite
100.6m	End of drill hole (last of the available drill rod).

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15ppm or more)</u>
GS-36	6.1 - 15.2 = 9.1	5	
GS-37	15.2 - 21.3 = 6.1	5	
GS-38	21.3 - 27.4 = 6.1	5	
GS-39	27.4 - 33.5 = 6.1	5	
GS-40	33.5 - 39.6 = 6.1	10	
GS-41	39.6 - 42.7 = 3.1	5	
GS-42	42.7 - 45.7 = 3.0	5	
GS-43	45.7 - 51.8 = 6.1	10	
GS-44	51.8 - 57.9 = 6.1	5	
GS-45	57.9 - 61.0 = 3.1	10	20
GS-46	61.0 - 67.1 = 6.1	5	
GS-47	67.1 - 73.2 = 6.1	5	15
GS-48	73.2 - 76.2 = 3.0	30	50
GS-49	76.2 - 79.2 = 3.0	35	125
GS-50	79.2 - 82.3 = 3.1	5	60
GS-51	82.3 - 85.3 = 3.0	5	20
GS-52	85.3 - 91.4 = 6.1	5	
GS-53	91.4 - 94.5 = 3.1	5	
GS-54	94.5 - 97.5 = 3.0	5	25
GS-55	97.5 - 100.6 = 3.1	10	

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-5****SECTION: 20 + 03N****PAGE 1 of 2****LOCATION:** 1821m N and 450m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 20+03N, 0+32 W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 100.6m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1486m**DATE:** October 3-4, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main BrettShear Zone**DESCRIPTION:**

0-1.1 metres	Collar
1.1-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.1-52.4m	Prophyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to intense (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Silicification, quartz and/or carbonate veining and pyrite content are variable and are listed below.
1.1-12.2m	Fracture Zone: well fractured, weak to strong limonite staining
1.1-6.1m	weak limonite staining, trace of quartz veinlets, trace of pyrite
6.1-12.2m	strong limonite staining
6.1-9.1m	10% of the rock chips are well clay altered, 2% disseminated pyrite
9.1-12.2m	5% of the rock chips are highly silicified with 10% pyrite content
12.2-52.4m	Shear Zone: 30-90% grey clay gouge, strongly sheared rock
12.2-15.2m	70% grey clay gouge, rock chips exhibit strong argillic alteration, trace of pyrite
15.2-18.3m	80% grey clay gouge, 50% of rock chips exhibit intense argillic alteration, 50% of rock chips are replaced by silica, 2% pyrite, highly sheared rock
18.3-21.3m	50% grey clay gouge, 80% of rock chips exhibit strong argillic alteration, 20% of rock chips are replaced by silica, some quartz microveinlets, 5% pyrite overall, extremely sheared rock
21.3-30.5m	30% grey clay gouge, moderate to strong argillic alteration of groundmass minerals, 1% glassy quartz veinlets, 2% disseminated pyrite
30.5-36.6m	sheared, moderate to strong argillic alteration of groundmass minerals
30.5-33.5m	1% pyrite
33.5-36.6m	3% pyrite
36.6-52.4m	50-70% grey clay gouge, moderate to strong argillic alteration of groundmass minerals
36.6-42.7m	only a trace of quartz veinlets and pyrite
42.7-48.8m	1% quartz veinlets to 3mm, trace of pyrite
48.8-51.8m	20% dark grey silica replacement zones with 20% pyrite, 4% pyrite overall
51.8-52.4m	10% dark grey silica replacement zones with 20% pyrite, 2% pyrite overall
52.4-70.1m	Porphyritic Trachyandesite: 10% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (to 1mm) are set in an aphanitic light grey to green groundmass. Argillic alteration ranges from weak to strong and it is generally restricted to the groundmass minerals. There is a slight alteration of the feldspar-phenocrysts to chalky white or light green. Variations within the rock are listed below.
54.9-61.0m	slight to moderate argillic alteration, trace to 1/2% pyrite, some quartz microveinlets
61.0-70.1m	well sheared, moderate to strong argillic alteration
61.0-64.0m	2% quartz veinlets, some with pyrite, 1% pyrite overall
64.0-70.1m	10% silica replacement zones with 20% pyrite, 3% pyrite overall, 3% quartz veinlets

cont'd

70.1-100.6m	Porphyritic Trachyte: same as that near the top of the drill hole, moderate to strong argillic alteration Quartz and/or carbonate veining, silicification and pyrite content are variable as listed
70.1-100.6m	Main Brett Shear Zone: up to 80% grey clay gouge as noted below, strongly sheared rock
70.1-73.2m	50% grey clay gouge, moderate argillic alteration, 10% highly silicified zones with 20% pyrite, 3% pyrite overall, 3% quartz veinlets
73.2-76.2m	70% grey clay gouge, strong shearing and argillic alteration, 10% highly silicified zones with 20% pyrite, 10% quartz veinlets to 1 cm, some with pyrite.
76.2-94.5m	50% grey clay gouge, 10% dark grey silicified rock chips with 20% pyrite, 2-3% pyrite overall, 2-10% quartz veinlets some with pyrite
76.2-79.2m	extremely sheared, chalky argillic alteration, 1/2% pyrite
79.2-88.4m	2-3% quartz veinlets, 2-3% pyrite
82.3-88.4m	Porphyritic Trachyandesite: strong argillic alteration
88.4-100.6m	Porphyritic Trachyte: strong argillic alteration
88.4-91.4m	7% white and pink sugary quartz-carbonate veinlets, some with pyrite, 3% disseminated pyrite
91.4-94.5m	2% glassy quartz veinlets with up to 50% pyrite, 3% pyrite overall
94.5-97.5m	80% grey clay gouge, 75% of rock chips exhibit strong argillic alteration, 25% of rock chips are dark grey and silicified with 20% pyrite, 3% pyrite overall, some quartz microveinlets
97.5-100.6m	60% grey clay gouge, 50% of rock chips exhibit strong argillic alteration, 50% of rock chips represent quartz zones with 20% contained pyrite, 10% pyrite overall (excluding the clay) some quartz microveinlets
100.6m	End of the drill hole (last of the available drill rod).

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15ppm or more)</u>
GS-56	3.0 - 12.2 = 9.2	5	
GS-57	12.2 - 21.3 = 9.1	10	
GS-58	21.3 - 27.4 = 6.1	5	
GS-59	27.4 - 36.6 = 9.2	5	
GS-60	36.6 - 45.7 = 9.1	5	
GS-61	45.7 - 54.9 = 9.2	5	
GS-62	54.9 - 61.0 = 6.1	10	
GS-63	61.0 - 67.1 = 6.1	5	20
GS-64	67.1 - 70.1 = 3.0	5	15
GS-65	70.1 - 73.2 = 3.1	5	30
GS-66	73.2 - 76.2 = 3.0	5	
GS-67	76.2 - 79.2 = 3.0	5	
GS-68	79.2 - 82.3 = 3.1	15	20
GS-69	82.3 - 85.3 = 3.0	10	20
GS-70	85.3 - 88.4 = 3.1	5	20
GS-71	88.4 - 91.4 = 3.0	10	
GS-72	91.4 - 94.5 = 3.1	10	20
GS-73	94.5 - 97.5 = 3.0	15	25
GS-74	97.5 - 100.6 = 3.1	15	15

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-6****SECTION: 21 + 02N****PAGE 1 of 2****LOCATION:** 1910m N and 500m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 21+02N, 0+32 W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 84.4m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1490m**DATE:** October 4, 1997**LOGGED BY** M. S. Morrison *M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main BrettShear Zone**DESCRIPTION:**

0-1.1 metres	Collar
1.1-84.4m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.1-27.4m	Porphyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to intense (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Quartz and/or carbonate veinlets and pyrite content vary as listed below.
1.1-6.1m	Fracture Zone: moderate to strong limonite staining, moderate argillic alteration, trace to 1% pyrite
6.1-39.3m	Shear Zone: 20-50% clay gouge, moderate to strong argillic alteration, 2-5% disseminated pyrite, strong limonite staining decreases with depth
18.3-27.4m	highly sheared and clay altered
21.3-27.4m	4-5% very fine grained pyrite
27.4-39.3m	Porphyritic Trachyandesite: 10% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (to 1mm) are set in an aphanitic light grey to green groundmass. Argillic alteration ranges from weak to moderate and it is generally restricted to the groundmass minerals. There is slight alteration of the feldspar phenocrysts to light green.
27.4-33.5m	moderate argillic alteration, 2-4% very fine grained pyrite
33.5-39.3m	well sheared and altered, 1-2% quartz veinlets, trace of quartz microveinlets, 3% disseminated pyrite
39.3-42.7m	Porphyritic Trachyte: like that earlier described, slight to moderate argillic alteration, trace of quartz veinlets, 2% pyrite
42.7-45.7m	Porphyritic Trachyandesite(?): similar to that earlier described, slight to moderate argillic alteration, trace of pyrite
45.7-84.4m	Porphyritic Trachyte: like that near the top of the drill hole, slight to moderate argillic alteration
49.7-51.8m	2% quartz veinlets, 1/2%pyrite
51.8-54.9m	2% quartz veinlets, trace of quartz microveinlets, 2% pyrite
54.9-57.9m	1/2% pyrite
57.9-61.0m	1% quartz veinlets, 2% pyrite
61.0-64.0m	1/2% pyrite
64.0-67.1m	trace of pyrite
67.1-70.1m	1% quartz veinlets, 1% disseminated pyrite
70.1-73.2m	1/2% quartz veinlets, 2% disseminated pyrite
73.2-84.4m	Main Brett Shear Zone
73.2-76.2m	sheared and well altered, 1% quartz veinlets, some with banded pyrite, 2% pyrite overall
76.2-79.2m	sheared and well altered, 5% pink and white sugary quartz-carbonate veinlets, some with pyrite, 3% pyrite overall
79.2-82.3m	sheared and moderately clay altered, 2% pink and white sugary quartz-carbonate veinlets, 3% disseminated pyrite
82.3-84.4m	moderate silica replacement, 3% quartz veinlets to 1 cm, 3% very fine grained disseminated pyrite
84.4m	Drill hole abandoned; severe caving

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15ppm or more)</u>
GS-75	3.0 - 12.2 = 9.2	5	
GS-76	12.2 - 21.3 = 9.1	5	
GS-77	21.3 - 30.5 = 9.2	10	
GS-78	30.5 - 33.5 = 3.0	30	15
GS-79	33.5 - 39.6 = 6.1	30	20
GS-80	39.6 - 45.7 = 6.1	50	15
GS-81	45.7 - 48.8 = 3.1	10	
GS-82	48.8 - 54.9 = 6.1	15	15
GS-83	54.9 - 57.9 = 3.0	20	15
GS-84	57.9 - 61.0 = 3.1	20	20
GS-85	61.0 - 70.1 = 9.1	20	15
GS-86	70.1 - 76.2 = 6.1	10	15
GS-87	76.2 - 79.2 = 3.0	15	15
GS-88	79.2 - 84.4 = 5.2	20	30
GS-139	39.6 - 42.7 = 3.1	150	25
GS-140	42.7 - 45.7 = 3.0	55	

Samples GS-139 & 140 represent the two individual 3 metre drill intercepts that were combined for composite sample GS-80.

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-7****SECTION: 14+83N****PAGE 1 of 2****LOCATION:** 1155m N and 730m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 14+83N, 4+80 W**AZIMUTH:** 270°**DIP:** -65°**LENGTH:** 100.6m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1340m**DATE:** October 7, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to test shear zones cutting through Tertiary volcanic rocks**DESCRIPTION:**

0-1.0 metres	Collar
1.0-23.8.1m	PLEISTOCENE: Silt, gravel and boulder till.
23.8-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
23.8-100.6m	Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm), 5% hornblende crystals (to 2mm) and 3% biotite crystals to (1mm) are set in a grey aphanitic groundmass. Argillic alteration of the groundmass ranges from weak to strong, and pyrite equals up to 7% locally as recorded below. Pink and white, sugary quartz-carbonate veinlets equal up to 5% also as noted below.
24.4-27.4m	90% slightly altered, 10% strong argillic alteration with 3% pyrite
27.4-30.5m	moderate to strong argillic alteration, 1/4% pyrite, 1% sugary pink and white quartz-carbonate veinlets.
30.5-33.5m	70% slight to moderate argillic alteration, 30% strong argillic alteration, 1/4% pyrite overall, 5% pink and white, sugary quartz-carbonate veinlets.
33.5-36.6m	Shear Zone: 40% grey clay gouge, 50% of the rock chips exhibit moderate argillic alteration, and 50% are tuffaceous and exhibit strong argillic alteration, 2% pyrite, 2% white and pink sugary quartz-carbonate veinlets.
36.6-39.6m	90% slightly altered, 10% of rock chips exhibit strong argillic alteration, 1/2% pyrite, 1/2% quartz-carbonate veinlets.
39.6-42.7m	95% slightly altered, 5% of rock chips exhibit strong argillic alteration, trace of pyrite and quartz-carbonate veinlets.
42.7-45.7m	90% slightly altered, 10% of rock chips exhibit strong argillic alteration, 1/4% pyrite, 2% sugary white and pink quartz-carbonate veinlets.
45.7-48.8m	50% of the rock chips exhibit strong argillic alteration and 50% exhibit slight to moderate argillic alteration, 2% white and pink quartz-carbonate veinlets with 5% pyrite, 1/2% pyrite overall.
48.8-54.9m	moderate to strong argillic alteration, 1% pyrite
48.8-51.8m	2% white and pink sugary quartz-carbonate veinlets with 5% pyrite.
51.8-54.9m	5% white and pink sugary quartz-carbonate veinlets with 5% pyrite.
54.9-57.9m	moderate argillic alteration, 2% white and pink sugary quartz-carbonate veinlets, 1% pyrite
57.9-61.0m	slight argillic alteration, trace of pyrite, 1% quartz-carbonate veinlets
61.0-64.0m	5% of rock chips exhibit strong argillic alteration, trace of pyrite.
64.0-67.1m	10% of rock chips exhibit strong argillic alteration, 1/2% pyrite, 2% quartz-carbonate veinlets.
67.1-70.1m	5% of rock chips exhibit strong argillic alteration, trace of pyrite, 1% quartz-carbonate veinlets
70.1-73.2m	slight argillic alteration, trace of pyrite, 1% quartz-carbonate veinlets.
73.2-82.3m	10% of rock chips exhibit moderate argillic alteration, trace of pyrite, 1-2% white and pink quartz-carbonate veinlets.
82.3-97.5m	Shear Zone: highly sheared rock, 30-50% grey clay gouge.
82.3-85.3m	50% of rock chips exhibit moderate argillic alteration, 3% disseminated pyrite, 3% white and pink quartz-carbonate veinlets with pyrite.
85.3-88.4m	50% of rock chips exhibit moderate argillic alteration, 3% disseminated pyrite, 1/2% quartz-carbonate veinlets.

88.4-94.5m moderate to strong argillic alteration, 3% disseminated pyrite, trace of quartz-carbonate veinlets
 94.5-100.6m strong argillic alteration
 94.5-97.5m 7% disseminated pyrite
 97.5-100.6m 5% disseminated pyrite, 1% white quartz veinlets
 100.6m End of the drill hole (last of the available drill rod).

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (parts per million)</u>
GS-89	24.4 - 30.5 = 6.1	10	25
GS-90	30.5 - 36.6 = 6.1	15	35
GS-91	36.6 - 45.7 = 9.1	5	30
GS-92	45.7 - 51.8 = 6.1	15	25
GS-93	51.8 - 57.9 = 6.1	30	15
GS-94	57.9 - 70.1 = 12.2	10	20
GS-95	70.1 - 76.2 = 6.1	5	20
GS-96	76.2 - 82.3 = 6.1	20	10
GS-97	82.3 - 85.3 = 3.1	5	20
GS-98	85.3 - 88.4 = 3.1	10	45
GS-99	88.4 - 91.4 = 3.0	20	30
GS-100	91.4 - 94.5 = 3.1	5	40
GS-101	94.5 - 97.5 = 3.0	30	40
GS-102	97.5 - 100.6 = 3.1	5	80

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-8****SECTION: 11+90N****PAGE 1 of 2****LOCATION:** 735m N and 730m W of the Gold Star 1 Legal Corner Post**PROPERTY GRID:** 11+90 N, 8+15W**AZIMUTH:** 060°**DIP:** -45°**LENGTH:** 73.2m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1165m**DATE:** October 18, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to test well sheared and altered Tertiary volcanic rock**DESCRIPTION:**

0-0.8 metres	Collar
0.8-4.6m	Overburden: silty-boulder till
4.6-73.2m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
4.6-51.8m	Porphyritic Trachyte: 10% white orthoclase phenocrysts (3-5mm) and 10% black biotite phenocrysts (to 3mm) are set in an aphanitic light grey groundmass. Argillic alteration ranges from weak to strong (depending on the degree of shearing). In areas of strong shearing the feldspars are altered to chalky white and the biotite is altered to light green. The rock is vuggy in areas of strong alteration and the pyrite content equals up to 7% as indicated below.
9.1-12.2m	slight to moderate argillic alteration of groundmass, 2% pyrite
12.2-15.2m	10% well altered to chalky white, otherwise fresh, 2% pyrite
15.2-18.3m	5% well altered to chalky white, otherwise fresh, 1% pyrite
18.3-21.3m	weak argillic alteration of groundmass minerals, 2% pyrite
21.3-28.0m	Shear Zone: highly sheared, strong argillic alteration, 3% pyrite
24.4-28.0m	20% of rock chips are limonite stained
28.0-33.5m	weak argillic alteration of groundmass minerals, 10% of rock chips are limonite stained, 3% pyrite
33.5-45.7m	Shear Zone: 10-30% grey clay gouge, highly sheared, strong argillic alteration, up to 7% disseminated pyrite
33.5-36.6m	10% of rock chips are limonite stained, 5% pyrite
36.6-42.7m	20-30% grey clay gouge, 10% of rock chips are limonite stained, strong argillic alteration, 7% pyrite
42.7-45.7m	as above but just 3% pyrite
45.7-51.8m	only moderate argillic alteration of groundmass minerals, 2% pyrite
51.8-64.0m	Syenite Dyke: 50% pink orthoclase crystals to 5mm and 5% black biotite and 5% black hornblende crystals to 3mm are set in a light grey aphanitic groundmass. 5% vuggy pores and 1-4% disseminated pyrite.
51.8-54.9m	4% pyrite
54.9-61.0m	1% pyrite
64.0-70.1m	Edge of Dyke
64.0-70.1m	50% of rock chips are of dyke material as above, 50% are of trachyte flow material, 3% pyrite
70.1-73.2m	Tuff and Shear Zone: sheared and moderate to well argillic altered grey tuff, 5% disseminated pyrite.
73.2m	End of drill hole; severe caving.

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic (15 or more ppm)</u>
GS-103	3.0 - 9.1 = 6.1	5	
GS-104	9.1 - 15.2 = 6.1	5	
GS-105	15.2 - 21.3 = 6.1	5	15
GS-106	21.3 - 27.4 = 6.1	5	
GS-107	27.4 - 33.5 = 6.1	5	
GS-108	33.5 - 36.6 = 3.1	5	
GS-109	36.6 - 42.7 = 6.1	5	
GS-110	42.7 - 45.7 = 3.0	5	
GS-111	45.7 - 51.8 = 6.1	5	15
GS-112	51.8 - 64.0 = 12.2	5	
GS-113	64.0 - 70.1 = 6.1	5	
GS-114	70.1 - 73.2 = 3.1	5	

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD

DRILL HOLE 97-9

SECTION: -

PAGE 1 of 2

LOCATION: 440m N and 40m E of the Newstar 5 Mineral Claim Initial Post

PROPERTY GRID: -

AZIMUTH: 275°

DIP: -45°

LENGTH: 100.6m

DRILL DIAMETER: 8.3cm

DIP TESTS: None

ELEVATION: 1330m

DATE: October 21-22, 1997

LOGGED BY M. S. Morrison

M. S. Morrison

DRILLING CONTRACTOR: Northspan Explorations Inc., Westbank, B.C.

PURPOSE: to test shear zones cutting through a thick lapilli tuff bed

DESCRIPTION:

0-0.8 metres	Collar
0.8-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
0.8 - 14.9m	Basalt: black, very fine grained, weak limonite staining fractures
9.1-12.2m	trace of quartz veinlets
12.2-15.2m	2% quartz veinlets to 3mm, base of basalt altered to green for 0.3m
15.2-96.0m	Lapilli Tuff-Rhyodacite(?): the light grey, green and white very fine grained tuff exhibits moderate to strong argillic alteration with disseminated pyrite (trace to 1/2%). The alteration is most intense where the tuff is highly sheared. Purple, aphanitic andesite lapilli make up 5 to 60% of the rock and exhibit much less alteration than the ash component of the tuff (see below). The shear zones are marked by large volumes of grey clay gouge as noted below. Quartz veinlets range from a trace to 7%, also as noted below.
15.2 - 24.4m	Strong Shear Zone: 70-90% grey clay gouge
15.2-18.3m	70% highly clay altered tuff, 30% black aphanitic andesite lapilli, 1% quartz veinlets
18.3-21.3m	90% highly clay altered grey and light green tuff, 5% aphanitic andesitic lapilli as above
21.3-24.4m	light green tuff, strong argillic alteration, 60% fresh, black andesite lapilli(?).
24.4-27.4m	70% light green tuff, highly clay altered, 30% fresh black andesite lapilli(?)
27.4-30.5m	60% light green tuff, highly clay altered, 40% purple aphanitic andesite lapilli(?)
30.5-36.6m	Shear Zone: 70% grey clay gouge, 20 to 25% light green tuff, highly clay altered, 5 to 10% purple aphanitic andesite lapilli(?)
36.6-45.7m	same as above, but less sheared
39.6-42.7m	5% quartz veinlets to 1 cm
42.7-45.7m	2% quartz veinlets, trace of pyrite
45.7-57.9m	light green to white, highly clay altered tuff, 1% quartz veinlets trace to 2% disseminated pyrite
57.9-67.1m	light green to white, highly clay altered tuff, 1-2% quartz veinlets
67.1-79.2m	Shear Zone: 80 to 95% grey clay gouge, poor rock chip recoveries, light green, highly clay altered tuff, 2-7% white barren quartz veinlets.
67.1-76.2m	2-3% white barren quartz veinlets
76.2-79.2m	7% white barren quartz veinlets
79.2-85.3m	green tuff, moderately clay altered, only 30 to 40% rock chip recoveries.
79.2-82.3m	1% quartz veinlets
85.3-88.4m	same tuff, but more clay altered than above
88.4-96.0m	light green tuff, weak to moderate clay alteration, 10% lithic fragments of purple andesite
88.4-91.4m	welded tuff
96.0-100.6 meters	Porphyritic Flow-Dacitic(?): light green to brown, with 10% augite microphenocrysts (to 2mm) set in a fine grained groundmass, weak argillic alteration, up to 2% quartz veinlets, also 20% light green tuff (contamination from above?)
100.6m	End of the drill hole (last of the available drill rod).

Cont'd

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Barium (parts per million)</u>
GS-115	3.0 - 15.2 = 12.2	5	230
GS-116	15.2 - 21.3 = 6.1	5	185
GS-117	21.3 - 30.5 = 9.2	5	175
GS-118	30.5 - 39.6 = 9.1	5	305
GS-119	39.6 - 45.7 = 6.1	5	320
GS-120	45.7 - 54.9 = 9.2	5	90
GS-121	54.9 - 67.1 = 12.2	5	75
GS-122	67.1 - 79.2 = 12.1	5	230
GS-123	79.2 - 88.4 = 9.2	5	335
GS-124	88.4 - 100.6 = 12.2	5	370

Please see Appendix D for other elements and further details.

DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-10****SECTION:****PAGE 1 of 1****LOCATION:** 700m N and 1920m E of the Gold Star 2 Mineral Claim Legal Corner Post**PROPERTY GRID:****AZIMUTH:** 060°**DIP:** -60°**LENGTH:** 100.6m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1310m**DATE:** October 22-23, 1997**LOGGED BY** M. S. Morrison**DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to intercept and test the Main BrettShear Zone**DESCRIPTION:**

0-0.8 metres	Collar
0.8-1.5m	Overburden: soil and broken rock
1.5-100.6m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
1.5-100.6m	Andesite: 10% white plagioclase microphenocrysts (to 2mm) are set in a grey fine grained groundmass. The andesite is variably altered to green and purple. The groundmass is altered to light green or white in zones of strong fracturing. Quartz and/or calcite veinlets also fill fractures as outlined below.
3.0-9.1m	Some limonite staining fractures, 20% of rock chips exhibit moderate alteration of groundmass to white clay minerals, 1% quartz and agate veinlets
9.1-18.3m	20-50% of rock chips exhibit slight to moderate alteration of groundmass to white clay minerals, trace of quartz veinlets
18.3-21.3m	only 5% alteration
21.3-30.5m	30% altered as above
24.4-30.5m	5% glassy quartz veinlets
30.5-39.6m	10 to 30% altered as above, trace to 1% quartz veinlets
39.6-48.8m	70 to 80% of rock chips are altered to white and light green clay minerals
39.6-42.7m	1% quartz veinlets
42.7-45.7m	5% white calcite veinlets to 1 cm
45.7-48.8m	3% white calcite veinlets to 1 cm
48.8-57.9m	30 to 40% of rock chips are altered to white and light green clay minerals trace to 1% quartz veinlets
57.9-61.0m	only slight alteration, 1% quartz veinlets
61.0-64.0m	slight to moderate clay alteration of 25% of rock chips
64.0-67.1m	only slight alteration, 15% of rock chips are limonite stained
67.1-79.2m	slight to moderate clay alteration of 25% of rock chips, trace of quartz veinlets
79.2-94.2m	very slight alteration, no quartz veinlets
94.2-94.5m	highly altered to white aphanitic minerals, 2% quartz veinlets
94.5-97.5m	40% of rock chips are altered to green and grey aphanitic minerals
97.5-100.6m	30% of rock chips are altered to green and grey aphanitic minerals, 10% of rock chips are altered to white aphanitic minerals, trace of pyrite with the white alteration zones
100.6m	End of the drill hole (last of the available drill rod).

SAMPLES SUBMITTED FOR ANALYSES

Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Barium ppm (parts per million)
GS-125	3.0 - 18.3 = 15.3	5	755
GS-126	18.3 - 30.5 = 12.2	5	825
GS-127	30.5 - 39.6 = 9.1	5	335
GS-128	39.6 - 48.8 = 9.2	5	570
GS-129	48.8 - 57.9 = 9.1	5	740
GS-130	57.9 - 70.1 = 12.2	5	515
GS-131	70.1 - 79.2 = 9.1	5	565
GS-132	79.2 - 91.4 = 12.2	5	270
GS-133	91.4 - 100.6 = 9.2	5	220

Please see Appendix D for other elements and further details.

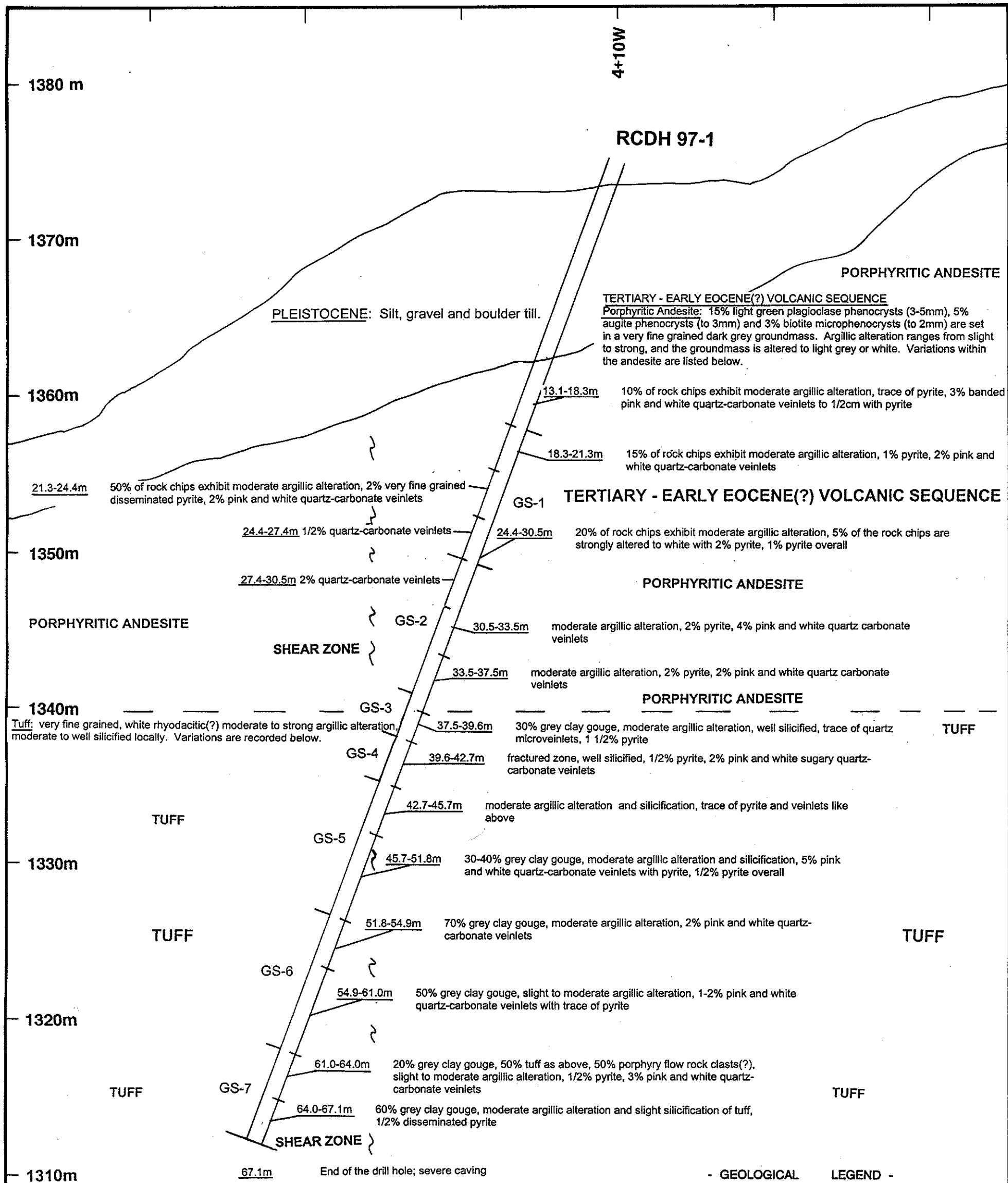
DOUBLESTAR RESOURCES LTD. GOLD STAR CLAIM GROUP REVERSE CIRCULATION DRILL RECORD**DRILL HOLE 97-11****SECTION:****PAGE 1 of 1****LOCATION:** 300m S and 20m E of the Star 1 Mineral Claim Initial Post**PROPERTY GRID:****AZIMUTH:** 270°**DIP:** -45°**LENGTH:** 61.0m**DRILL DIAMETER:** 8.3cm**DIP TESTS:** None**ELEVATION:** 1676m**DATE:** October 23, 1997**LOGGED BY** M. S. Morrison*M. S. Morrison***DRILLING CONTRACTOR:** Northspan Explorations Inc., Westbank, B.C.**PURPOSE:** to test a shear zone cutting Tertiary volcanic rocks**DESCRIPTION:**

0-1.0 metres	Collar
1.0-8.5m	Overburden
1.0-3.0m	displaced fill for road building
3.0-8.5m	silt, sand and gravel drift
8.5-61.0m	TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
8.5-61.0m	Trachyandesite: purple, dark green, and sometimes brick red, 5% black and green augite and 1% black biotite microphenocrysts (to 2mm) are set in an aphanitic to glassy green to grey groundmass. The groundmass is variably altered to white, light green or grey minerals as outlined below along with other noteworthy features.
15.2-18.9m	brick red trachyandesite, 30% of the rock chips exhibit moderate alteration of the groundmass to light green minerals
21.3-24.4m	trace of glassy quartz veinlets
27.4-30.5m	trace of quartz, agate and white zeolite(?) veinlets
30.5-34.1m	brick red trachyandesite, 20% of the groundmass altered to light green minerals
34.1-36.6m	1/2% quartz veinlets
36.6-42.7m	Shear Zone
36.6-39.6m	50% of groundmass altered to light green and white minerals
39.6-42.7m	95% grey clay gouge, strong alteration of groundmass to white and light green minerals
42.7-55.5m	moderate alteration of groundmass minerals to light grey minerals
42.7-45.7m	trace of glassy quartz and white zeolite(?) veinlets
48.8-51.8m	1% glassy quartz veinlets
51.8-55.5m	as above, but less altered
55.5-61.0m	Shear Zone: 20% clay gouge, moderate to strong alteration of groundmass minerals to light green and white aphanitic minerals
55.5-57.9m	trace of pyrite
57.9-61.0m	1/2% disseminated pyrite
61.0m	End of the drill hole.

SAMPLES SUBMITTED FOR ANALYSES

<u>Sample Number</u>	<u>Interval (in metres)</u>	<u>Gold ppb (parts per billion)</u>	<u>Arsenic ppm (parts per million)</u>
GS-134	9.1 - 24.4 = 15.3	5	
GS-135	24.4 - 36.6 = 12.2	5	
GS-136	36.6 - 45.7 = 9.1	5	
GS-137	45.7 - 54.9 = 9.2	5	10
GS-138	54.9 - 61.0 = 6.1	5	15

Please see Appendix D for other elements and further details.



SAMPLES SUBMITTED FOR ANALYSES

Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Arsenic (10 or more ppm)
GS-1	18.3 - 27.4 = 9.1	5	30
GS-2	27.4 - 36.6 = 9.1	5	45
GS-3	36.6 - 39.6 = 3.0	5	20
GS-4	39.6 - 42.7 = 3.1	5	20
GS-5	42.7 - 51.8 = 9.1	5	45
GS-6	51.8 - 61.0 = 9.2	15	35
GS-7	61.0 - 67.1 = 6.1	5	10

Please see Appendix D for other elements and further details.

1290m Elevation above sea level in metres.

0 5 10 metres

Scale 1:250

DOUBLESTAR RESOURCES LTD.

GOLD STAR CLAIM GROUP

Whiteman Creek Area
Vernon Mining Division, B.C.

RCDH 97-1

**CROSS-SECTION 15 + 65N
FACING NORTH**

Drawn by: M.M.

N.T.S. 82-L-4E

December, 1997

Figure No. 10

4 +80W

RCDH 97-7

SAMPLES SUBMITTED FOR ANALYSES

Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Arsenic (parts per million)
GS-89	24.4 - 30.5 = 6.1	10	25
GS-90	30.5 - 36.6 = 6.1	15	35
GS-91	36.6 - 45.7 = 9.1	5	30
GS-92	45.7 - 51.8 = 6.1	15	25
GS-93	51.8 - 57.9 = 6.1	30	15
GS-94	57.9 - 70.1 = 12.2	10	20
GS-95	70.1 - 76.2 = 6.1	5	20
GS-96	76.2 - 82.3 = 6.1	20	10
GS-97	82.3 - 85.3 = 3.1	5	20
GS-98	85.3 - 88.4 = 3.1	10	45
GS-99	88.4 - 91.4 = 3.0	20	30
GS-100	91.4 - 94.5 = 3.1	5	40
GS-101	94.5 - 97.5 = 3.0	30	40
GS-102	97.5 - 100.6 = 3.1	5	80

Please see Appendix D for other elements and further details.

PLEISTOCENE:

Silt, gravel and boulder till.

GEOLOGICAL LEGEND -

TERTIARY
EARLY EOCENE (?) VOLCANIC SEQUENCE

Porphyritic Trachyandesite

PORPHYRITIC TRACHYANDESITE

TERTIARY - EARLY EOCENE (?) VOLCANIC SEQUENCE

Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm), 5% hornblende crystals (to 2mm) and 3% biotite crystals to (1mm) are set in a grey aphanitic groundmass. Argillic alteration of the groundmass ranges from weak to strong, and pyrite equals up to 7% locally as recorded below. Pink and white, sugary quartz-carbonate veinlets equal up to 5% also as noted below.

24.4-27.4m 90% slightly altered, 10% strong argillic alteration with 3% pyrite

27.4-30.5m moderate to strong argillic alteration, 1/4% pyrite, 1% sugary pink and white quartz-carbonate veinlets.

30.5-33.5m 70% slight to moderate argillic alteration, 30% strong argillic alteration, 1/4% pyrite overall, 5% pink and white, sugary quartz-carbonate veinlets.

33.5-36.6m Shear Zone: 40% grey clay gouge, 50% of the rock chips exhibit moderate argillic alteration, and 50% are tuffaceous and exhibit strong argillic alteration, 2% pyrite, 2% white and pink sugary quartz-carbonate veinlets.

36.6-39.6m 90% slightly altered, 10% of rock chips exhibit strong argillic alteration, 1/2% pyrite, 1/2% quartz-carbonate veinlets.

39.6-42.7m 95% slightly altered, 5% of rock chips exhibit strong argillic alteration, trace of pyrite and quartz-carbonate veinlets.

42.7-45.7m 90% slightly altered, 10% of rock chips exhibit strong argillic alteration, 1/4% pyrite, 2% sugary white and pink quartz-carbonate veinlets.

45.7-48.8m 50% of the rock chips exhibit strong argillic alteration and 50% exhibit slight to moderate argillic alteration, 2% white and pink quartz-carbonate veinlets with 5% pyrite, 1/2% pyrite overall.

48.8-54.9m moderate to strong argillic alteration, 1% pyrite

48.8-51.8m 2% white and pink sugary quartz-carbonate veinlets with 5% pyrite.

51.8-54.9m 5% white and pink sugary quartz-carbonate veinlets with 5% pyrite.

PORPHYRITIC TRACHYANDESITE

1290m Elevation above sea level in metres

SHEAR ZONE

1280m

1270m

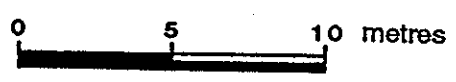
1260m

1250m

PORPHYRITIC TRACHYANDESITE

PORPHYRITIC TRACHYANDESITE

100.6m End of the drill hole (last of the available drill rod).



Scale 1:250

DOUBLESTAR RESOURCES LTD.

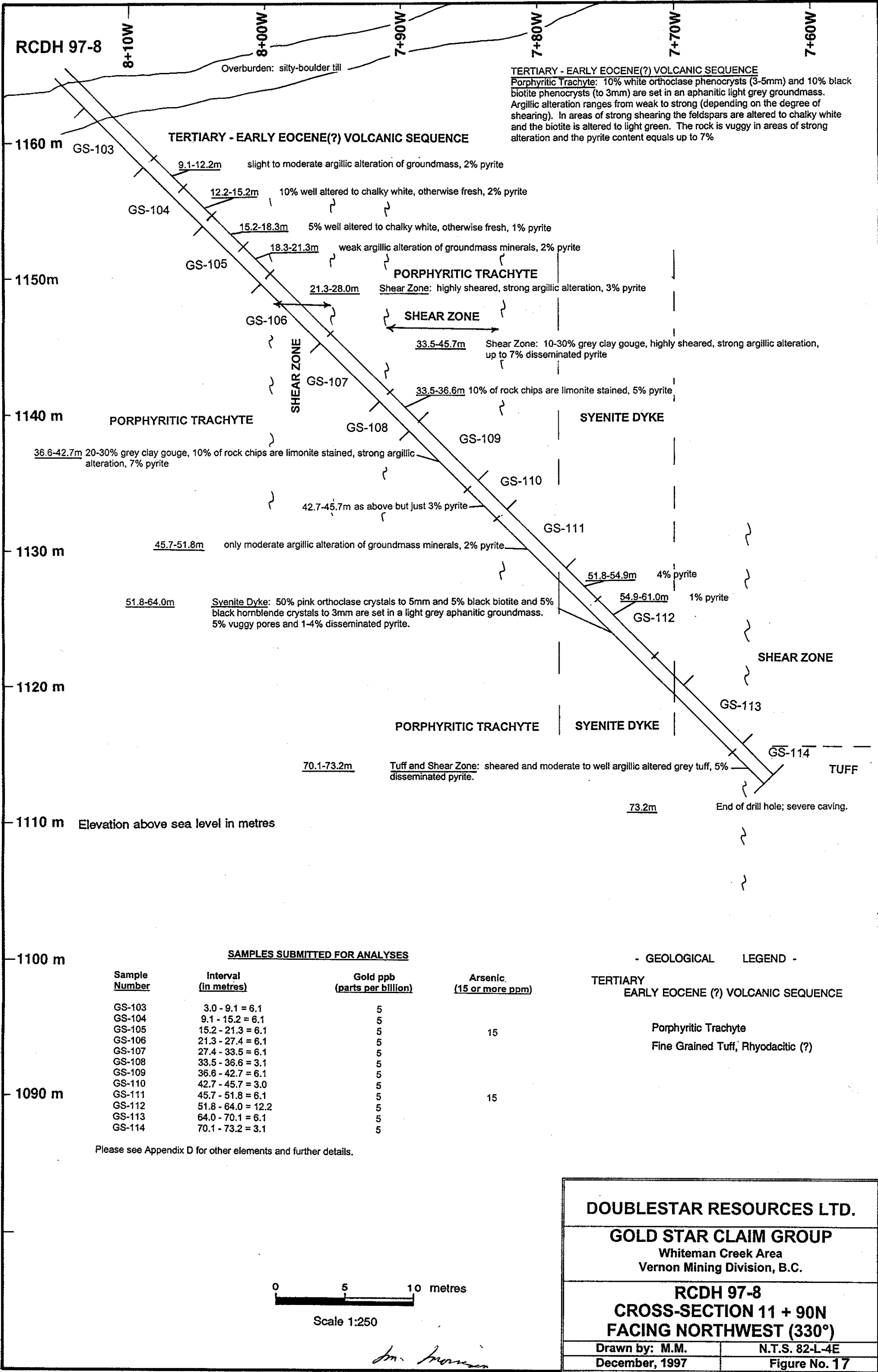
GOLD STAR CLAIM GROUP

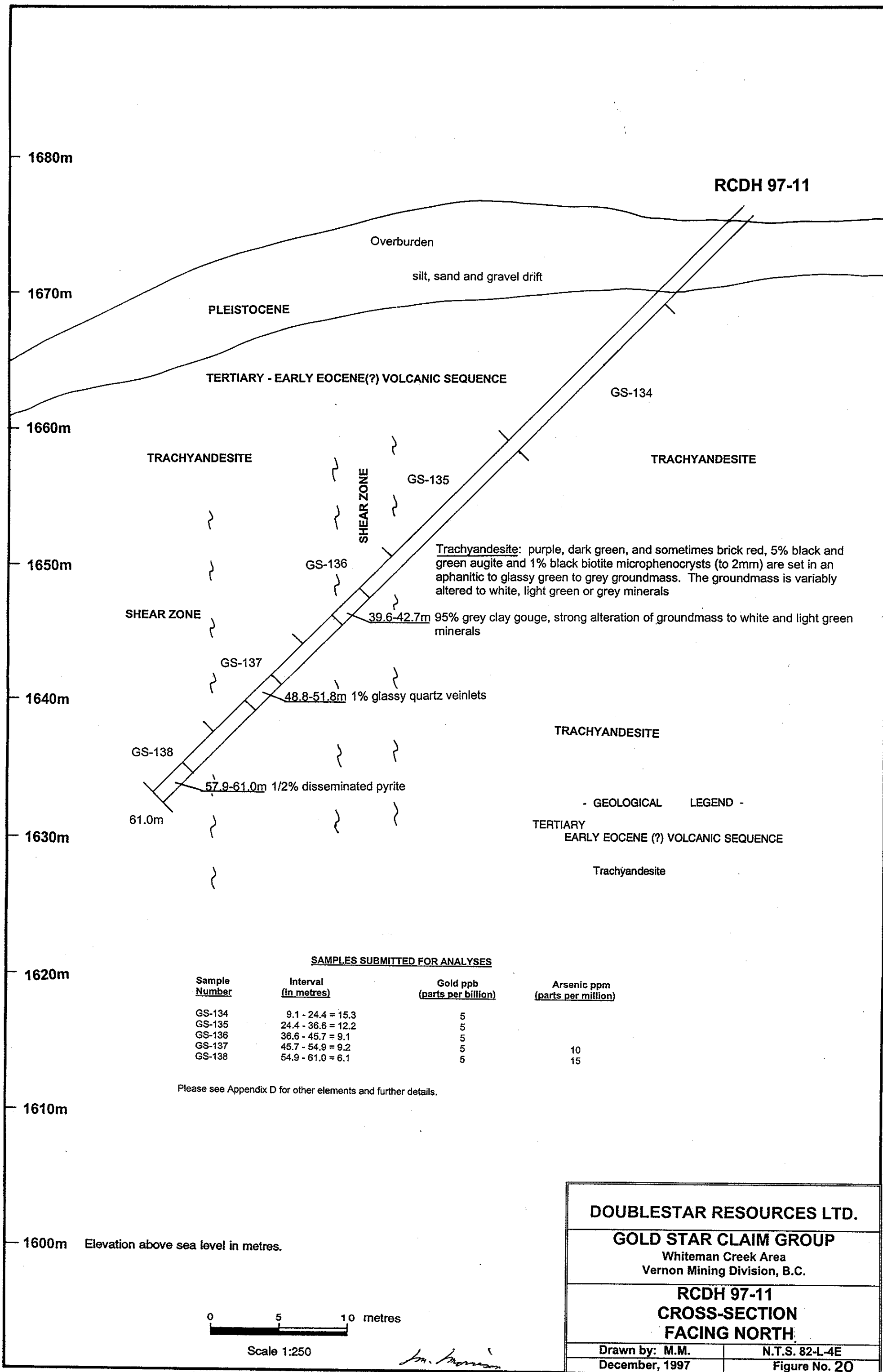
Whiteman Creek Area
Vernon Mining Division, B.C.

RCDH 97-7
CROSS-SECTION 14 + 83N
FACING NORTH

Drawn by: M.M.
December, 1997

N.T.S. 82-L-4E
Figure No. 16





APPENDIX D

**LITHOGEOCHEMICAL
CERTIFICATES OF ANALYSES**

28-Oct-97

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 97- 1196

DOUBLESTAR RESOURCES
1540 - 750 WEST PENDER STREET
VANCOUVER, BC
V6C 2T8

ATTENTION: ALAN SAVAGE

No. of samples received: 102
Sample type: Drill Rock Chips
PROJECT #: Not Given
SHIPMENT #: Not Given
Samples submitted by: M. Morrison

Values in ppm unless otherwise reported

DRILL HOLE	INTERVAL	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
RCDH 97-1	18.3-27.4 m	GS-01	5	0.4	0.87	30	50	<5	3.25	<1	12	11	14	4.00	80	1.24	821	8	0.04	5	2090	14	<5	<20	96	<0.01	<10	33	<10	5	91
	27.4-36.6 m	GS-02	5	0.4	0.78	45	35	<5	3.27	<1	12	18	11	3.90	80	1.19	947	9	0.05	5	2060	38	<5	<20	98	<0.01	<10	30	<10	4	127
	36.6-39.6 m	GS-03	5	0.4	1.06	20	45	<5	2.30	<1	12	17	9	4.17	80	0.94	1085	8	0.05	5	2080	88	<5	<20	82	<0.01	<10	31	<10	5	188
	39.6-42.7 m	GS-04	5	0.4	0.39	20	45	<5	1.87	<1	8	34	4	2.43	80	0.54	575	5	0.04	4	1360	38	<5	<20	83	<0.01	<10	10	<10	7	83
	42.7-51.8 m	GS-05	5	0.4	0.39	45	55	<5	2.34	<1	7	30	13	2.27	90	0.77	589	5	0.05	4	1400	20	<5	<20	99	<0.01	<10	11	<10	9	57
RCDH 97-2	51.8-61.0 m	GS-06	15	0.4	0.43	35	65	<5	2.87	<1	8	36	9	2.47	80	0.93	736	4	0.05	5	1480	20	<5	<20	99	<0.01	<10	19	<10	9	60
	61.0-67.1 m	GS-07	5	0.4	0.60	10	75	<5	2.53	<1	8	22	7	2.62	80	0.91	870	4	0.04	3	1380	28	<5	<20	142	<0.01	<10	23	<10	7	77
	67.1-15.2 m	GS-08	15	0.2	1.58	5	270	<5	0.89	<1	11	28	8	4.13	90	0.81	929	7	0.04	6	2110	24	<5	<20	64	<0.01	<10	49	<10	5	82
	15.2-24.4 m	GS-09	20	<0.2	0.99	5	130	<5	0.79	2	5	7	4	2.34	70	0.63	617	12	0.03	13	990	12	60	<20	57	<0.01	<10	27	<10	3	53
	24.4-33.5 m	GS-10	20	0.4	1.32	10	140	<5	1.05	<1	8	11	8	2.81	90	0.98	839	6	0.05	3	1320	20	<5	<20	76	<0.01	<10	37	<10	3	69
	33.5-39.6 m	GS-11	35	0.6	1.11	10	75	<5	1.30	<1	9	11	11	2.92	90	0.83	621	38	0.04	3	1360	22	<5	<20	82	<0.01	<10	35	<10	3	77
	39.6-45.7 m	GS-12	10	0.4	1.68	15	80	<5	1.55	<1	12	24	8	4.15	90	1.32	1071	5	0.04	5	2130	18	<5	<20	76	<0.01	<10	72	<10	4	83
	45.7-54.9 m	GS-13	5	0.4	1.75	<5	100	<5	3.07	<1	15	54	14	4.21	60	1.62	901	5	0.04	12	2230	12	<5	<20	132	<0.01	<10	81	<10	3	72
	54.9-67.1 m	GS-14	5	<0.2	1.64	<5	85	<5	2.64	<1	14	68	10	4.12	60	1.57	790	4	0.05	9	2130	8	<5	<20	129	0.02	<10	79	<10	5	64
	67.1-79.2 m	GS-15	5	0.2	1.52	10	75	<5	2.15	<1	13	27	7	4.16	70	1.25	805	4	0.05	6	2070	12	<5	<20	126	0.05	<10	66	<10	6	68
	79.2-82.3 m	GS-16	35	0.8	0.36	35	45	<5	7.12	<1	9	28	13	3.31	40	3.07	1280	7	0.03	5	1220	16	10	<20	111	<0.01	<10	22	<10	2	68
	82.3-85.3 m	GS-17	5	0.6	0.21	15	35	<5	6.42	<1	6	40	4	3.16	40	2.50	1335	7	0.03	4	840	16	15	<20	87	<0.01	<10	16	<10	3	55
	85.3-88.4 m	GS-18	25	0.4	0.26	10	40	<5	3.21	<1	5	56	3	2.33	60	1.16	744	5	0.03	2	970	14	5	<20	73	<0.01	<10	18	<10	4	41
	88.4-91.4 m	GS-19	40	0.6	0.35	20	35	<5	5.05	<1	10	32	7	3.32	60	2.00	923	17	0.03	5	1620	20	5	<20	102	<0.01	<10	33	<10	5	62
	91.4-94.5 m	GS-20	15	0.8	0.58	60	45	<5	4.21	<1	12	30	9	3.87	60	1.58	984	8	0.03	8	1680	14	<5	<20	137	<0.01	<10	30	<10	3	70
RCDH 97-3	61-15.2 m	GS-21	10	0.2	1.64	10	145	<5	2.10	<1	12	25	9	3.98	90	1.25	1147	6	0.05	6	2110	14	<5	<20	83	<0.01	<10	57	<10	4	78
	15.2-24.4 m	GS-22	15	<0.2	1.54	10	136	<5	2.68	<1	12	14	10	3.99	90	1.06	932	6	0.05	7	2140	12	<5	<20	107	<0.01	<10	52	<10	4	80
	24.4-30.5 m	GS-23	10	0.4	1.40	15	70	<5	2.62	<1	12	21	18	3.99	80	1.08	923	6	0.04	6	2070	16	<5	<20	94	<0.01	<10	47	<10	4	81

DRILL HOLE	INTERVAL	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
RCDH 97-3	30.5-39.6m	GS-24	5	0.6	1.12	10	100	<5	2.05	<1	9	43	11	3.28	90	0.75	680	8	0.05	3	1550	22	<5	<20	82	<0.01	<10	34	<10	5	73
	39.6-45.7m	GS-25	10	0.4	0.80	10	110	<5	1.96	<1	8	30	12	3.09	90	0.84	788	10	0.05	3	1260	26	<5	<20	65	<0.01	<10	27	<10	5	75
	45.7-48.8m	GS-26	5	0.6	0.31	10	40	<5	2.62	<1	8	37	13	3.15	70	0.99	797	18	0.04	3	1250	20	<5	<20	64	<0.01	<10	17	10	4	64
	48.8-57.9m	GS-27	20	0.6	0.33	10	40	<5	1.83	<1	8	42	8	3.25	90	0.73	963	11	0.04	3	1360	20	<5	<20	49	<0.01	<10	24	<10	6	72
	57.9-64.0m	GS-28	10	0.8	0.31	10	85	<5	1.76	<1	6	60	3	2.67	80	0.57	674	23	0.05	3	1070	18	<5	<20	44	<0.01	<10	20	<10	3	57
	64.0-67.1m	GS-29	20	0.6	0.70	10	65	<5	3.11	<1	13	43	14	3.84	70	1.09	768	14	0.05	8	1980	16	<5	<20	94	<0.01	<10	39	<10	4	69
	67.1-76.2m	GS-30	5	0.4	1.32	5	115	<5	3.06	<1	12	53	9	3.69	80	1.10	680	6	0.05	8	1790	12	<5	<20	142	<0.01	<10	53	<10	5	64
	76.2-82.3m	GS-31	5	0.6	0.81	10	95	<5	2.61	<1	8	41	5	3.16	100	0.64	658	11	0.05	3	1400	18	<5	<20	121	<0.01	<10	29	<10	4	60
	82.3-85.3m	GS-32	10	0.8	0.44	15	45	<5	2.21	<1	12	42	7	3.68	90	0.50	719	14	0.05	5	2200	34	<5	<20	92	<0.01	<10	24	<10	4	68
	85.3-91.4m	GS-33	15	0.4	0.63	15	55	<5	2.86	<1	13	25	6	3.82	90	0.67	789	8	0.05	6	2340	16	<5	<20	99	<0.01	<10	38	<10	5	86
RCDH 97-4	91.4-97.5m	GS-34	10	0.8	0.50	15	35	<5	2.49	<1	11	28	6	3.66	70	0.60	598	10	0.05	3	2030	22	<5	<20	87	<0.01	<10	32	<10	4	73
	97.5-100.6m	GS-35	5	0.6	0.90	5	55	<5	2.87	<1	11	25	5	3.78	70	0.76	829	6	0.05	5	2010	12	<5	<20	115	<0.01	<10	40	<10	4	77
	6.1-15.2m	GS-36	5	0.4	0.99	<5	90	<5	0.97	<1	8	18	4	3.38	80	0.72	663	4	0.05	3	1380	22	<5	<20	32	<0.01	<10	28	<10	3	68
	15.2-21.3m	GS-37	5	0.4	0.92	10	95	<5	1.97	<1	7	19	5	3.18	90	0.68	649	3	0.05	<1	1350	22	<5	<20	62	<0.01	<10	26	<10	4	57
	21.3-27.4m	GS-38	5	0.4	0.90	5	130	<5	2.48	<1	7	12	7	3.24	100	0.76	807	3	0.05	2	1420	18	<5	<20	64	<0.01	<10	29	<10	4	77
	27.4-33.5m	GS-39	5	0.4	1.18	10	145	<5	2.05	<1	9	24	6	3.03	100	0.80	785	5	0.05	2	1430	16	<5	<20	75	<0.01	<10	34	<10	6	87
	33.5-39.6m	GS-40	10	0.4	1.17	5	75	<5	2.50	<1	10	10	6	3.03	110	0.81	862	8	0.04	2	1580	24	<5	<20	83	<0.01	<10	37	<10	6	113
	39.6-42.7m	GS-41	5	0.4	0.84	5	80	<5	2.79	<1	8	11	9	2.80	100	0.82	866	6	0.03	3	1400	16	<5	<20	67	<0.01	<10	29	<10	5	111
	42.7-45.7m	GS-42	5	0.4	0.90	5	195	<5	3.36	<1	6	44	3	2.83	100	0.87	812	6	0.05	2	1300	14	<5	<20	85	<0.01	<10	24	<10	5	75
	45.7-51.8m	GS-43	10	0.4	1.06	<5	95	<5	1.81	<1	7	24	2	3.02	90	0.81	760	7	0.04	2	1250	20	<5	<20	70	<0.01	<10	29	<10	4	66
	51.8-57.9m	GS-44	5	0.4	0.90	10	85	<5	1.67	<1	7	38	2	2.93	80	0.87	847	6	0.04	2	1150	18	<5	<20	60	<0.01	<10	30	<10	3	60
	57.9-61.0m	GS-45	10	1.4	0.34	20	35	<5	2.08	<1	9	33	6	3.06	60	0.75	746	30	0.04	3	1220	18	<5	<20	66	<0.01	<10	12	<10	3	51
	61.0-67.1m	GS-46	5	0.6	1.06	10	60	<5	1.52	<1	8	38	7	3.01	80	0.78	694	36	0.04	3	1250	24	<5	<20	69	<0.01	<10	34	<10	4	91
	67.1-73.2m	GS-47	5	0.6	0.77	15	35	<5	1.46	<1	7	34	5	2.63	60	0.58	532	8	0.04	2	960	18	<5	<20	63	<0.01	<10	21	<10	3	59
	73.2-76.2m	GS-48	30	0.6	0.96	50	35	<5	2.15	<1	10	62	14	3.18	60	1.08	608	7	0.04	7	1390	12	<5	<20	88	<0.01	<10	45	<10	4	56
	76.2-79.2m	GS-49	35	1.4	1.13	125	35	<5	4.00	<1	17	57	54	4.64	60	1.93	1083	5	0.04	12	2130	20	<5	<20	128	<0.01	<10	64	<10	4	73
	79.2-82.3m	GS-50	5	0.8	0.57	60	30	<5	2.15	<1	9	47	9	3.28	70	0.90	639	12	0.04	5	1280	18	<5	<20	74	<0.01	<10	28	<10	4	60
	82.3-85.3m	GS-51	5	0.6	0.30	20	30	<5	1.90	<1	7	33	3	2.64	70	0.52	526	13	0.04	3	1210	16	<5	<20	93	<0.01	<10	13	<10	4	55
	85.3-91.4m	GS-52	5	0.4	1.16	10	50	<5	2.32	<1	12	16	8	3.50	70	0.76	624	7	0.05	5	2110	16	<5	<20	119	<0.01	<10	47	<10	3	67
	91.4-94.5m	GS-53	5	0.6	0.88	10	40	<5	2.04	<1	9	38	5	3.04	70	0.64	551	8	0.05	4	1450	18	<5	<20	116	<0.01	<10	32	<10	3	62
	94.5-97.5m	GS-54	5	0.6	0.68	25	45	<5	2.09	<1	7	17	3	2.83	80	0.64	588	9	0.04	2	1160	20	<5	<20	103	<0.01	<10	23	<10	3	56
	97.5-100.6m	GS-55	10	0.8	0.57	10	30	<5	2.30	<1	8	40	4	3.19	70	0.59	598	10	0.04	4	1260	22	<5	<20	108	<0.01	<10	25	<10	3	61

DOUBLESTAR RESOURCES

ICP CERTIFICATE OF ANALYSIS AK 97-1196

ECO-TECH LABORATORIES LTD.

DRILL HOLE	INTERVAL	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
RCDH 97-5	3.0-12.2 m	GS-56	5	0.2	1.69	10	230	<5	1.22	<1	12	27	6	4.55	90	0.89	998	6	0.05	6	2310	22	<5	<20	61	<0.01	<10	59	<10	3	79
	12.2-21.3 m	GS-57	10	0.2	1.59	5	120	<5	2.16	<1	11	19	11	4.30	90	0.88	946	8	0.05	5	2090	20	<5	<20	88	<0.01	<10	51	<10	2	83
	21.3-27.4 m	GS-58	5	0.2	1.71	<5	95	<5	2.71	<1	13	21	10	4.54	100	1.18	986	6	0.06	5	2360	16	<5	<20	97	<0.01	<10	59	<10	4	81
	27.4-36.6 m	GS-59	5	0.4	1.30	10	50	<5	2.23	<1	13	29	7	4.25	90	0.97	926	7	0.05	6	2130	20	<5	<20	66	<0.01	<10	52	<10	3	79
	36.6-45.7 m	GS-60	5	0.4	1.21	10	120	<5	3.01	<1	12	25	6	4.05	90	0.88	1110	5	0.05	5	2110	16	<5	<20	80	<0.01	<10	50	<10	3	70
	45.7-54.9 m	GS-61	5	0.4	1.00	5	75	<5	2.92	<1	13	18	7	4.23	80	0.88	1103	6	0.04	5	2090	18	<5	<20	85	<0.01	<10	47	<10	3	70
	54.9-61.0 m	GS-62	10	0.4	1.24	10	80	<5	2.44	<1	12	28	6	3.98	80	1.00	752	6	0.05	5	1990	16	<5	<20	92	<0.01	<10	50	<10	4	83
	61.0-67.1 m	GS-63	5	0.8	0.72	20	35	5	2.27	<1	14	24	7	4.22	90	0.81	812	9	0.04	5	2200	20	<5	<20	107	<0.01	<10	34	<10	4	70
	67.1-70.1 m	GS-64	5	0.6	0.50	15	45	<5	2.47	<1	12	43	5	3.64	80	0.65	670	8	0.05	5	2070	18	<5	<20	116	<0.01	<10	25	<10	4	57
	70.1-73.2 m	GS-65	5	0.6	0.51	30	55	<5	3.56	<1	15	31	14	4.54	70	1.11	907	8	0.04	10	2050	18	<5	<20	149	<0.01	<10	37	<10	3	72
	73.2-76.2 m	GS-66	5	0.4	0.49	10	130	<5	4.78	<1	14	40	22	4.16	30	1.72	918	5	0.03	17	1360	10	<5	<20	199	<0.01	<10	49	<10	2	67
	76.2-79.2 m	GS-67	5	0.2	0.55	5	130	<5	4.22	<1	15	45	30	4.11	20	1.52	880	4	0.03	20	1400	10	<5	<20	257	<0.01	<10	53	<10	2	69
	79.2-82.3 m	GS-68	15	0.8	0.50	20	40	<5	4.71	<1	11	28	7	3.43	70	1.34	959	7	0.03	5	1870	16	<5	<20	203	<0.01	<10	21	<10	3	58
	82.3-85.3 m	GS-69	10	0.4	0.43	20	50	<5	2.22	<1	13	21	7	3.64	80	0.59	735	6	0.04	6	2190	18	<5	<20	148	<0.01	<10	23	<10	4	59
	85.3-88.4 m	GS-70	5	0.4	0.36	20	45	<5	2.24	<1	13	29	7	3.69	80	0.61	823	5	0.04	6	2080	18	<5	<20	123	<0.01	<10	27	<10	5	60
	88.4-91.4 m	GS-71	10	0.6	0.31	10	45	<5	4.75	<1	10	31	4	3.64	70	1.37	1164	7	0.04	4	1460	22	<5	<20	156	<0.01	<10	15	<10	3	63
	91.4-94.5 m	GS-72	10	0.6	0.32	20	50	<5	2.53	<1	7	47	4	2.83	80	0.75	727	9	0.04	2	1120	22	<5	<20	95	<0.01	<10	12	<10	4	49
	94.5-97.5 m	GS-73	15	0.4	0.43	25	30	<5	3.49	<1	10	29	4	3.38	80	1.06	676	9	0.04	4	1620	22	<5	<20	192	<0.01	<10	11	<10	3	58
	97.5-100.6 m	GS-74	15	0.6	0.33	15	30	<5	3.56	<1	10	24	4	3.26	60	1.00	636	6	0.03	4	1770	18	<5	<20	163	<0.01	<10	14	<10	2	61
RCDH 97-6	3.0-12.2 m	GS-75	5	0.4	0.79	5	90	<5	1.41	<1	7	9	1	2.80	60	0.54	606	6	0.03	2	1440	18	<5	<20	59	<0.01	<10	19	<10	1	61
	12.2-21.2 m	GS-76	5	0.4	0.84	10	45	<5	1.85	<1	8	12	4	3.13	60	0.78	624	4	0.04	4	1610	14	<5	<20	68	<0.01	<10	28	<10	<1	67
	21.2-30.5 m	GS-77	10	0.4	0.87	<5	35	<5	2.06	<1	9	12	5	3.26	60	0.80	648	5	0.04	4	1670	16	<5	<20	85	<0.01	<10	32	<10	<1	71
	30.5-33.5 m	GS-78	30	0.4	1.22	15	40	<5	2.96	<1	14	24	8	4.43	80	0.97	878	7	0.05	6	2200	26	<5	<20	132	<0.01	<10	44	<10	4	77
	33.5-39.6 m	GS-79	30	0.6	0.81	20	35	<5	3.00	<1	12	18	8	4.12	80	0.96	1186	8	0.05	5	1940	26	<5	<20	73	<0.01	<10	29	<10	3	79
	39.6-45.7 m	GS-80	50	0.4	1.42	15	150	<5	3.05	<1	13	46	13	4.09	70	1.44	785	5	0.04	9	2060	18	<5	<20	100	<0.01	<10	56	<10	4	75
	45.7-48.8 m	GS-81	10	0.2	1.66	10	120	<5	3.72	<1	17	50	19	4.55	70	1.64	903	5	0.03	13	2490	20	<5	<20	136	<0.01	<10	66	<10	5	80
	48.8-54.9 m	GS-82	15	0.4	1.27	15	85	10	2.64	<1	13	56	11	4.09	80	1.10	903	7	0.05	7	1820	24	<5	<20	91	<0.01	<10	43	<10	3	74
	54.9-57.9 m	GS-83	20	0.4	1.00	15	80	<5	1.51	<1	8	31	3	3.30	90	0.71	816	7	0.04	2	1270	20	<5	<20	50	<0.01	<10	29	<10	4	74
	57.9-61.0 m	GS-84	20	0.4	0.83	20	45	5	2.23	<1	8	29	3	3.50	90	0.80	907	11	0.05	1	1280	22	<5	<20	58	<0.01	<10	24	<10	4	66
	61.0-70.1 m	GS-85	20	0.4	0.87	15	100	<5	2.22	<1	8	25	3	3.26	90	0.83	895	6	0.04	2	1260	20	<5	<20	47	<0.01	<10	28	<10	4	70
	70.1-76.2 m	GS-86	10	0.4	0.51	15	60	<5	1.70	<1	7	33	2	3.17	80	0.68	845	7	0.04	1	1080	18	<5	<20	32	<0.01	<10	20	<10	3	65
	76.2-79.2 m	GS-87	15	0.6	0.27	15	40	<5	2.90	<1	7	43	2	3.29	70	0.84	877	13	0.04	3	1120	20	<5	<20	52	<0.01	<10	16	<10	3	63
	79.2-84.4 m	GS-88	20	0.6	0.28	30	35	<5	4.28	<1	7	37	2	3.35	70	1.11	1171	17	0.04	<1	1140	22	<5	<20	78	<0.01	<10	13	<10	3	59

DRILL HOLE INTERVAL

RCDH 97-7 24.4-30.5 m
30.5-36.6 m

Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
GS- 89	10	0.2	0.81	25	120	<5	1.46	<1	8	36	2	2.93	90	0.59	752	8	0.04	3	1240	20	<5	<20	60	<0.01	<10	24	<10	5	56
GS- 90	15	0.4	0.65	35	70	<5	2.10	<1	7	37	3	2.85	70	0.75	638	9	0.03	<1	1280	18	<5	<20	62	<0.01	<10	18	<10	3	55
GS- 91	5	0.4	0.76	30	90	<5	1.94	<1	6	16	3	2.97	80	0.70	728	6	0.03	2	1240	16	<5	<20	71	<0.01	<10	24	<10	3	55
	15	0.8	0.59	25	55	<5	2.22	<1	7	48	5	3.04	70	0.75	804	8	0.04	3	1240	28	<5	<20	63	<0.01	<10	19	<10	3	71
GS- 92	15	0.8	0.59	25	55	<5	2.22	<1	7	48	5	3.04	70	0.75	804	8	0.04	3	1240	28	<5	<20	63	<0.01	<10	19	<10	3	71
GS- 93	30	0.8	0.63	15	55	<5	2.68	<1	7	35	5	3.28	70	1.04	953	8	0.04	2	1190	26	<5	<20	60	<0.01	<10	22	<10	3	77
GS- 94	10	0.4	0.76	20	75	<5	1.93	<1	8	44	5	3.35	80	0.88	851	7	0.05	3	1330	18	<5	<20	64	<0.01	<10	32	10	5	66
GS- 95	5	0.4	0.82	20	130	<5	1.74	<1	7	45	4	3.14	80	0.80	781	7	0.06	2	1240	16	<5	<20	60	<0.01	<10	34	<10	5	60
GS- 96	20	0.2	0.92	10	110	<5	2.04	<1	7	60	5	3.14	90	0.83	839	6	0.05	2	1250	14	<5	<20	73	<0.01	<10	32	<10	5	60
	5	0.4	0.62	20	30	<5	1.92	<1	7	40	4	3.29	80	0.80	837	8	0.04	2	1240	20	<5	<20	51	<0.01	<10	18	<10	3	61
GS- 97	5	0.4	0.62	20	30	<5	1.92	<1	7	40	4	3.29	80	0.80	837	8	0.04	2	1240	20	<5	<20	51	<0.01	<10	18	<10	3	61
GS- 98	10	0.4	0.68	45	45	<5	1.85	<1	8	44	5	3.55	80	0.86	968	8	0.05	2	1340	18	<5	<20	47	<0.01	<10	22	<10	3	68
GS- 99	20	0.4	0.77	30	40	<5	1.03	<1	8	51	6	3.43	90	0.71	825	12	0.05	2	1300	18	<5	<20	46	<0.01	<10	23	<10	3	62
GS- 100	5	0.4	0.80	40	45	5	1.51	<1	8	54	7	3.31	80	0.73	760	9	0.05	3	1280	20	<5	<20	61	<0.01	<10	24	10	5	65
GS- 101	30	0.4	0.81	40	40	<5	1.45	<1	9	48	8	3.56	80	0.73	736	8	0.05	5	1390	18	<5	<20	72	<0.01	<10	24	<10	4	66
	5	0.2	1.19	80	45	<5	1.92	<1	17	88	12	4.24	40	0.90	855	9	0.04	22	1790	26	<5	<20	94	<0.01	<10	34	<10	4	76
GS- 102	5	0.2	1.19	80	45	<5	1.92	<1	17	88	12	4.24	40	0.90	855	9	0.04	22	1790	26	<5	<20	94	<0.01	<10	34	<10	4	76

QC DATA:

Resplit:

R/S 1	GS-01	5	0.4	0.85	25	40	<5	3.25	<1	12	12	13	4.03	80	1.23	826	8	0.04	5	2180	16	<5	<20	93	<0.01	<10	33	<10	5	91
R/S 36	GS-36	5	0.4	0.98	5	90	<5	0.93	<1	8	15	4	3.46	80	0.71	660	5	0.04	2	1400	24	<5	<20	28	<0.01	<10	27	<10	3	71
R/S 71	GS-71	10	0.6	0.28	15	40	<5	4.66	<1	9	27	3	3.54	70	1.34	1141	7	0.04	4	1470	22	<5	<20	147	<0.01	<10	14	<10	3	63

Repeat:

1	GS-01	5	0.4	0.87	30	45	<5	3.28	<1	12	11	14	4.02	80	1.25	830	7	0.04	4	2160	14	<5	<20	96	<0.01	<10	33	<10	5	92
10	GS-10	15	0.4	1.32	10	135	<5	1.07	<1	8	11	8	2.86	90	0.99	852	7	0.05	3	1330	22	<5	<20	77	<0.01	<10	37	<10	4	70
19	GS-19	60	0.6	0.34	20	35	<5	5.08	<1	10	31	6	3.35	60	2.01	929	16	0.03	5	1630	20	10	<20	103	<0.01	<10	33	<10	5	65
36	GS-36	5	0.4	1.01	10	85	<5	0.99	<1	8	19	4	3.43	90	0.74	679	4	0.05	2	1430	22	<5	<20	30	<0.01	<10	28	<10	3	69
45	GS-45	5	1.4	0.33	15	35	<5	2.04	<1	9	32	6	3.00	60	0.73	733	29	0.04	3	1190	18	<5	<20	67	<0.01	<10	12	<10	4	47
54	GS-54	5	0.8	0.69	25	45	<5	2.13	<1	7	17	4	2.93	80	0.65	604	10	0.04	2	1170	22	<5	<20	104	<0.01	<10	24	<10	4	57
71	GS-71	15	0.6	0.29	20	35	<5	4.70	<1	10	30	3	3.60	70	1.35	1156	7	0.04	4	1470	22	<5	<20	150	<0.01	<10	14	<10	3	64
80	GS-80	60	0.4	1.43	20	130	<5	3.10	<1	14	47	13	4.14	70	1.46	795	5	0.04	10	2100	20	<5	<20	101	<0.01	<10	56	<10	5	74
89	GS-89	5	0.4	0.79	25	95	<5	1.44	<1	8	36	2	2.92	80	0.58	745	7	0.03	2	1210	18	<5	<20	61	<0.01	<10	23	<10	4	55

DOUBLESTAR RESOURCES

ICP CERTIFICATE OF ANALYSIS AK 97-1196

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
<i>Standard:</i>																														
		135	1.4	1.85	65	160	<5	1.95	<1	22	65	78	4.12	<10	1.02	758	<1	0.02	22	770	20	<5	<20	59	0.13	<10	85	<10	5	75
GEO'97		130	1.4	1.92	60	165	<5	2.01	<1	22	67	80	4.11	<10	1.05	720	<1	0.01	20	760	22	<5	<20	64	0.10	<10	88	<10	5	77
GEO'97		130	1.2	1.83	65	155	<5	1.95	<1	21	66	76	4.08	<10	1.00	767	<1	0.01	22	720	24	<5	<20	60	0.12	<10	85	<10	4	76

dl/1196
XLS/97


ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

12-Nov-97

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 6T4

Phone: 604-573-5700
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 97-1262

DOUBLESTAR RESOURCES LTD.
#1540-750 WEST PENDER STREET
VANCOUVER, BC
V6G 2T8

ATTENTION: ALAN SAVAGE/MURRAY MORRISON

No. of samples received: 38
Sample type: DRILL-CHIP
PROJECT #: NONE GIVEN
SHIPMENT #: NONE GIVEN
Samples submitted by: M. MORRISON

Values in ppm unless otherwise reported

DRILL HOLE	INTERVAL	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
RCDH 97-8	3.0 - 9.1 m	GSX-103	5	<0.2	0.66	5	65	<5	0.04	<1	4	74	8	2.76	30	0.33	151	6	0.03	4	1570	20	<5	<20	108	<0.01	<10	11	<10	1	27
	9.1 - 15.2 m	GSX-104	5	<0.2	1.10	5	50	<5	0.11	<1	7	52	8	2.96	30	0.75	343	6	0.05	6	1210	16	<5	<20	64	0.05	<10	32	<10	4	45
	15.2 - 21.3 m	GSX-105	5	<0.2	0.73	15	40	<5	0.20	<1	6	37	8	2.44	30	0.45	260	7	0.03	5	1060	24	<5	<20	61	<0.01	<10	16	<10	5	34
	21.3 - 27.4 m	GSX-106	5	<0.2	0.44	10	30	<5	0.18	<1	8	27	7	2.61	20	0.17	145	11	0.02	5	910	48	<5	<20	42	<0.01	<10	7	<10	3	52
	27.4 - 33.5 m	GSX-107	5	<0.2	0.72	<5	35	<5	0.35	<1	9	43	8	2.88	40	0.44	431	6	0.04	6	1220	14	<5	<20	30	<0.01	<10	18	<10	6	75
	33.5 - 36.6 m	GSX-108	5	0.4	0.57	5	25	<5	0.22	2	7	41	11	2.75	20	0.09	119	5	0.02	5	1430	42	<5	<20	28	<0.01	<10	7	<10	5	46
	36.6 - 42.7 m	GSX-109	5	0.2	0.70	<5	25	<5	0.36	2	9	35	7	2.79	20	0.21	238	6	0.03	6	1280	48	<5	<20	45	<0.01	<10	10	<10	8	85
	42.7 - 45.7 m	GSX-110	5	<0.2	0.68	5	30	<5	0.25	<1	8	35	9	3.12	20	0.38	218	9	0.03	5	1100	38	<5	<20	45	0.01	<10	14	<10	3	50
	45.7 - 51.8 m	GSX-111	5	<0.2	0.96	15	35	<5	0.34	<1	10	42	9	3.22	20	0.73	395	7	0.04	6	1260	30	<5	<20	37	0.03	<10	23	<10	3	69
	51.8 - 64.0 m	GSX-112	5	<0.2	0.93	<5	50	<5	0.41	<1	9	53	10	3.11	30	0.77	561	4	0.04	4	1200	8	<5	<20	21	0.04	<10	35	<10	4	70
RCDH 97-9	64.0 - 70.1 m	GSX-113	5	<0.2	0.79	<5	35	<5	0.30	<1	7	44	6	2.53	20	0.74	643	5	0.04	5	950	20	<5	<20	26	0.01	<10	28	<10	3	79
	70.1 - 73.2 m	GSX-114	5	0.2	1.08	<5	35	<5	0.30	<1	8	45	8	2.73	20	1.05	807	6	0.04	5	950	50	<5	<20	99	<0.01	<10	19	<10	3	104
	3.0 - 15.2 m	GSX-115	5	<0.2	1.48	<5	230	<5	2.40	<1	18	72	14	4.24	20	1.72	635	2	0.19	10	2080	4	<5	<20	384	0.07	<10	144	<10	10	56
	15.2 - 21.3 m	GSX-116	5	<0.2	1.00	<5	185	<5	4.51	<1	21	81	18	4.72	10	2.17	875	3	0.05	28	2050	6	<5	<20	392	0.02	<10	86	<10	6	56
	21.3 - 30.5 m	GSX-117	5	<0.2	1.23	<5	175	<5	4.40	<1	24	111	23	5.30	20	2.11	820	4	0.09	32	2210	10	<5	<20	472	0.04	<10	115	<10	8	58
	30.5 - 39.6 m	GSX-118	5	<0.2	1.46	<5	305	<5	3.47	<1	22	63	18	5.88	10	1.34	669	4	0.04	18	2060	16	<5	<20	544	0.01	<10	72	<10	6	47
	39.6 - 45.7 m	GSX-119	5	<0.2	1.46	<5	320	<5	3.60	<1	21	52	15	5.65	10	1.17	597	5	0.04	12	2160	12	<5	<20	664	0.01	<10	70	<10	7	41
	45.7 - 54.9 m	GSX-120	5	<0.2	1.11	<5	90	<5	4.18	<1	19	37	13	4.90	<10	1.49	834	6	0.05	5	1890	14	<5	<20	539	<0.01	<10	53	<10	7	41
	54.9 - 67.1 m	GSX-121	5	<0.2	1.12	<5	75	<5	4.04	<1	17	33	11	4.72	<10	1.28	738	7	0.05	5	1900	12	<5	<20	559	<0.01	<10	62	<10	7	39
	67.1 - 79.2 m	GSX-122	5	<0.2	1.05	<5	230	<5	3.58	<1	17	32	13	4.15	<10	0.92	645	4	0.04	4	1930	14	<5	<20	726	<0.01	<10	49	<10	8	60

DOUBLESTAR RESOURCES LTD.

ICP CERTIFICATE OF ANALYSIS AK 97-1262

ECO-TECH LABORATORIES LTD.

DRILL HOLE	INTERVAL	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
RCDH 97-9	79.2-88.4m	GSX-123	5	<0.2	1.01	<5	335	<5	3.93	<1	15	32	12	4.04	<10	0.82	599	3	0.03	4	1810	10	<5	<20	1043	<0.01	<10	55	<10	9	48
	88.4-100.6m	GSX-124	5	<0.2	1.34	<5	370	<5	4.00	<1	15	39	12	4.37	10	1.28	612	3	0.03	4	1830	8	<5	<20	623	0.01	<10	90	<10	8	72
RCDH 97-10	3.0-18.3m	GSX-125	5	<0.2	0.44	<5	755	<5	3.68	<1	9	45	8	3.89	10	0.98	700	2	0.03	3	1740	8	<5	<20	223	0.03	<10	63	<10	6	58
	18.3-30.5m	GSX-126	5	<0.2	0.48	<5	825	<5	4.48	<1	9	49	11	4.27	20	1.32	853	3	0.03	3	1920	10	<5	<20	219	0.03	<10	71	<10	8	59
	30.5-39.6m	GSX-127	5	<0.2	0.79	<5	335	<5	2.51	<1	14	50	9	4.44	20	1.02	693	4	0.04	4	1980	8	<5	<20	155	0.02	<10	83	10	8	62
	39.6-48.8m	GSX-128	5	<0.2	0.46	<5	570	10	4.12	<1	13	93	9	4.58	10	1.29	810	3	0.03	5	1830	12	<5	<20	168	0.02	<10	67	<10	7	66
RCDH 97-11	48.8-57.9m	GSX-129	5	<0.2	0.44	<5	740	<5	5.07	<1	11	55	7	4.28	10	1.71	833	1	0.03	4	1740	6	<5	<20	196	0.04	<10	73	<10	7	64
	57.9-70.1m	GSX-130	5	<0.2	0.44	<5	515	<5	3.98	<1	11	46	7	3.69	10	1.43	787	3	0.04	3	1770	4	<5	<20	169	0.04	<10	76	<10	8	59
	70.1-79.2m	GSX-131	5	<0.2	0.36	<5	565	<5	3.86	1	10	48	6	3.75	<10	1.24	731	2	0.03	5	1570	6	<5	<20	166	0.04	<10	63	<10	6	57
	79.2-94.1m	GSX-132	5	<0.2	0.47	<5	270	<5	3.62	<1	14	43	8	4.19	10	1.16	809	2	0.04	3	1850	6	<5	<20	211	0.05	<10	83	<10	8	61
	94.1-100.6m	GSX-133	5	<0.2	0.55	<5	220	<5	2.82	<1	17	42	8	4.16	10	1.09	818	2	0.04	3	1750	6	<5	<20	157	0.02	<10	78	<10	7	63
	9.1-24.4m	GSX-134	5	<0.2	0.62	<5	100	<5	2.58	<1	15	75	18	2.82	20	1.09	704	<1	0.09	19	1730	<2	<5	<20	98	0.07	<10	87	<10	10	48
	24.4-36.6m	GSX-135	5	<0.2	0.78	<5	170	<5	1.84	<1	18	83	20	3.50	20	0.69	749	<1	0.13	19	2010	6	<5	<20	155	0.08	<10	87	<10	12	60
RCDH 97-6	36.6-45.7m	GSX-136	5	<0.2	1.12	<5	100	<5	1.67	<1	23	48	18	4.42	20	0.72	1042	3	0.15	22	2000	10	<5	<20	252	0.03	<10	80	<10	14	64
	45.7-54.9m	GSX-137	5	<0.2	1.32	10	105	5	1.78	<1	28	37	13	5.04	20	0.70	1225	7	0.21	23	2440	8	<5	<20	303	0.05	<10	109	<10	15	76
	54.9-61.0m	GSX-138	5	<0.2	1.20	15	110	<5	1.67	<1	35	39	20	3.30	30	0.58	622	10	0.22	45	2520	12	<5	<20	293	0.04	<10	79	<10	17	66
	39.6-42.7m	GSX-139	150	<0.2	1.13	25	85	<5	2.57	<1	10	42	14	3.43	70	1.24	748	4	0.05	7	1500	16	<5	<20	74	<0.01	<10	43	<10	3	65
	42.7-45.7m	GSX-140	55	<0.2	1.48	<5	150	<5	2.87	<1	13	39	18	3.69	60	1.43	618	3	0.03	13	2030	10	<5	<20	141	<0.01	<10	59	<10	5	64

QC DATA:

Resplit:

1	GSX-103	5	<0.2	0.73	10	60	<5	0.05	<1	4	68	7	2.94	40	0.35	160	6	0.03	3	1710	22	<5	<20	118	0.01	<10	12	<10	1	27
36	GSX-138	5	<0.2	1.23	20	110	<5	1.74	<1	36	37	19	3.39	30	0.59	640	10	0.22	46	2540	14	<5	<20	295	0.04	<10	81	<10	17	69

Repeat:

1	GSX-103	5	<0.2	0.75	10	55	<5	0.05	<1	5	59	8	3.00	30	0.37	185	6	0.03	3	1720	22	<5	<20	118	0.01	<10	12	<10	1	30
10	GSX-112	5	<0.2	1.03	5	54	<5	0.46	<1	10	53	10	3.32	30	0.84	602	3	0.05	6	1270	12	<5	<20	24	0.05	<10	39	<10	4	74
19	GSX-121	5	<0.2	1.20	<5	85	5	4.10	<1	20	35	14	4.82	<10	1.36	754	8	0.06	6	2050	14	<5	<20	610	<0.01	<10	68	<10	9	42
36	GSX-138	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Standard:

GEO'97	130	1.0	1.76	65	150	<5	1.86	<1	18	64	78	3.78	<10	0.96	643	<1	0.03	24	690	18	<5	<20	55	0.10	<10	72	<10	5	64
GEO'97	135	1.0	1.70	65	155	<5	1.82	<1	19	66	82	3.98	<10	0.93	672	<1	0.03	22	630	18	<5	<20	58	0.11	<10	75	<10	4	68

dl/1262

XLS/97

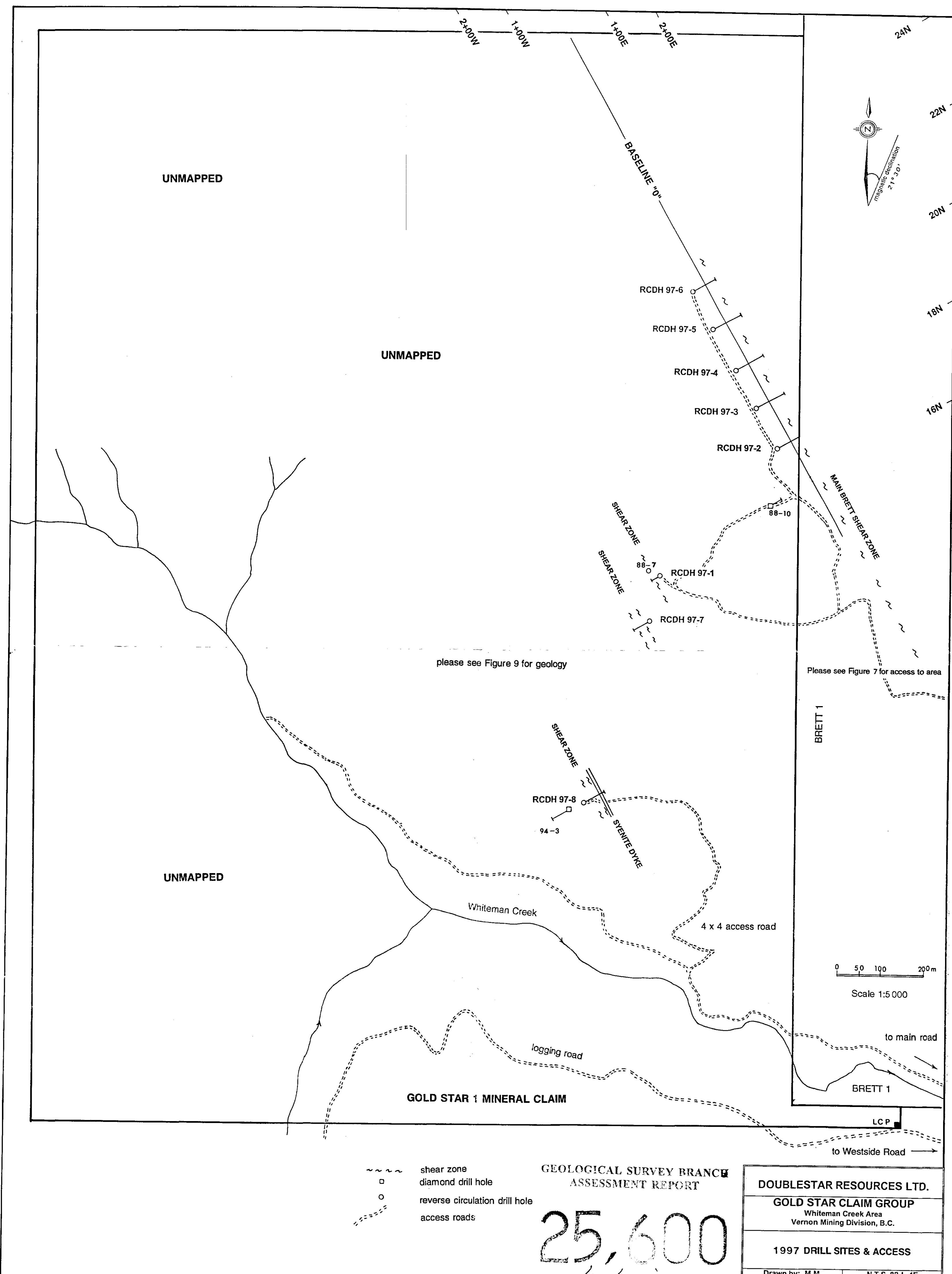
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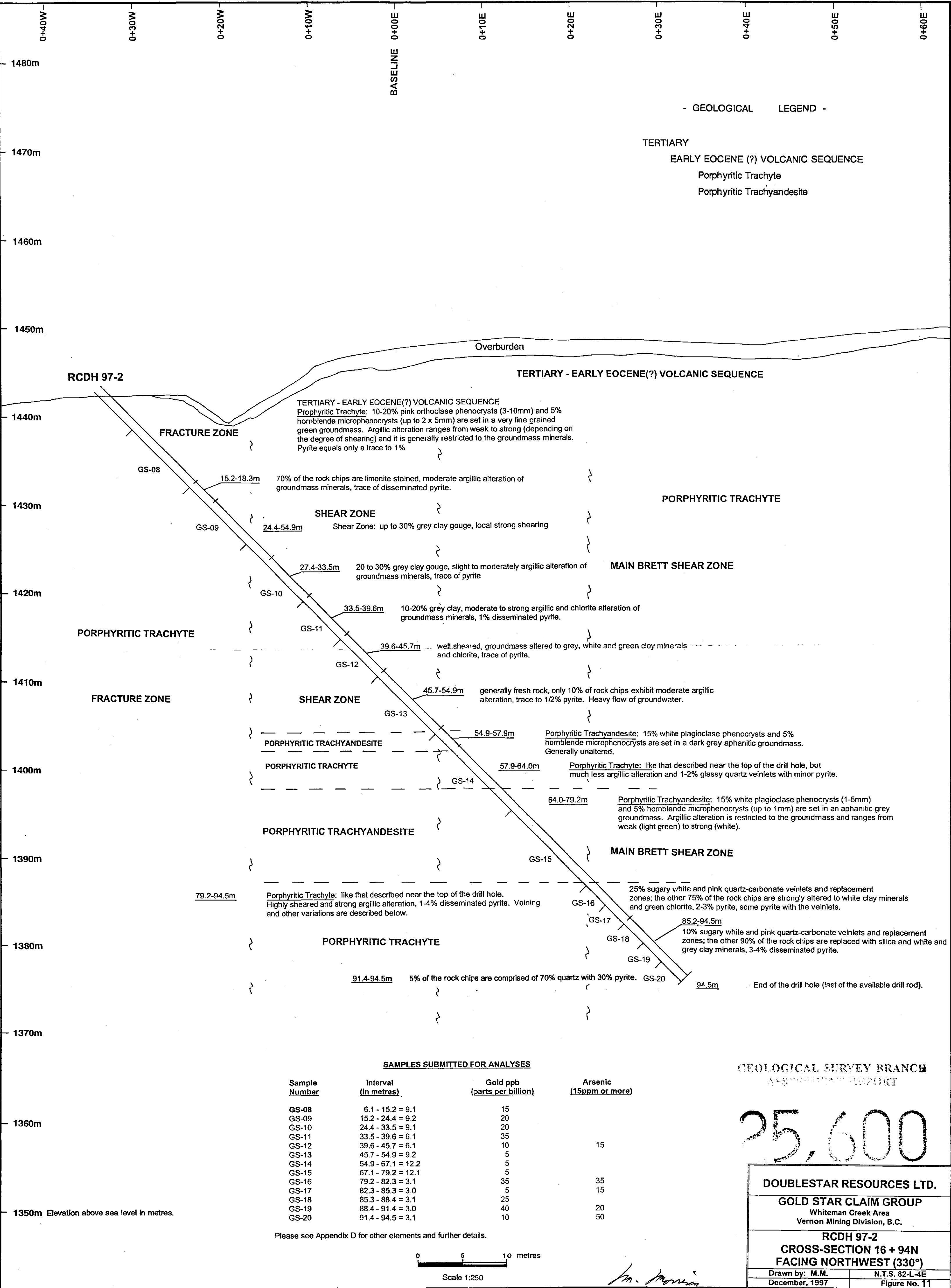
cc: m. manson

ECO-TECH LABORATORIES LTD.

Frank J. Pezzotti, A.Sc.T.

B.C. Certified Assayer





- GEOLOGICAL LEGEND -

TERTIARY
EARLY EOCENE (?) VOLCANIC SEQUENCE
Porphyritic Trachyte
Porphyritic Trachyandesite

TERTIARY - EARLY EOCENE(?) VOLCANIC SEQUENCE
Porphyritic Trachyte: 10-20% pink orthoclase phenocrysts (3-10mm) and 5% hornblende microphenocrysts (up to 2 x 5mm) are set in a very fine grained green groundmass. Argillic alteration ranges from weak to strong (depending on the degree of shearing) and it is generally restricted to the groundmass minerals. Pyrite equals only a trace to 1%

70% of the rock chips are limonite stained, moderate argillic alteration of groundmass minerals, trace of disseminated pyrite.

SHEAR ZONE
Shear Zone: up to 30% grey clay gouge, local strong shearing

20 to 30% grey clay gouge, slight to moderately argillic alteration of groundmass minerals, trace of pyrite

10-20% grey clay, moderate to strong argillic and chlorite alteration of groundmass minerals, 1% disseminated pyrite.

well sheared, groundmass altered to grey, white and green clay minerals and chlorite, trace of pyrite.

generally fresh rock, only 10% of rock chips exhibit moderate argillic alteration, trace to 1/2% pyrite. Heavy flow of groundwater.

Porphyritic Trachyandesite: 15% white plagioclase phenocrysts and 5% hornblende microphenocrysts are set in a dark grey aphanitic groundmass. Generally unaltered.

Porphyritic Trachyte: like that described near the top of the drill hole, but much less argillic alteration and 1-2% glassy quartz veinlets with minor pyrite.

Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (up to 1mm) are set in an aphanitic grey groundmass. Argillic alteration is restricted to the groundmass and ranges from weak (light green) to strong (white).

Porphyritic Trachyte: like that described near the top of the drill hole. Highly sheared and strong argillic alteration, 1-4% disseminated pyrite. Veining and other variations are described below.

25% sugary white and pink quartz-carbonate veinlets and replacement zones; the other 75% of the rock chips are strongly altered to white clay minerals and green chlorite, 2-3% pyrite, some pyrite with the veinlets.

10% sugary white and pink quartz-carbonate veinlets and replacement zones; the other 90% of the rock chips are replaced with silica and white and grey clay minerals, 3-4% disseminated pyrite.

SAMPLES SUBMITTED FOR ANALYSES

Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Arsenic (15ppm or more)
GS-08	6.1 - 15.2 = 9.1	15	
GS-09	15.2 - 24.4 = 9.2	20	
GS-10	24.4 - 33.5 = 9.1	20	
GS-11	33.5 - 39.6 = 6.1	35	
GS-12	39.6 - 45.7 = 6.1	10	15
GS-13	45.7 - 54.9 = 9.2	5	
GS-14	54.9 - 67.1 = 12.2	5	
GS-15	67.1 - 79.2 = 12.1	5	
GS-16	79.2 - 82.3 = 3.1	35	35
GS-17	82.3 - 85.3 = 3.0	5	15
GS-18	85.3 - 88.4 = 3.1	25	
GS-19	88.4 - 91.4 = 3.0	40	20
GS-20	91.4 - 94.5 = 3.1	10	50

Please see Appendix D for other elements and further details.

0 5 10 metres
Scale 1:250

GEOLOGICAL SURVEY BRANCH
ANNUAL REPORT

25,600

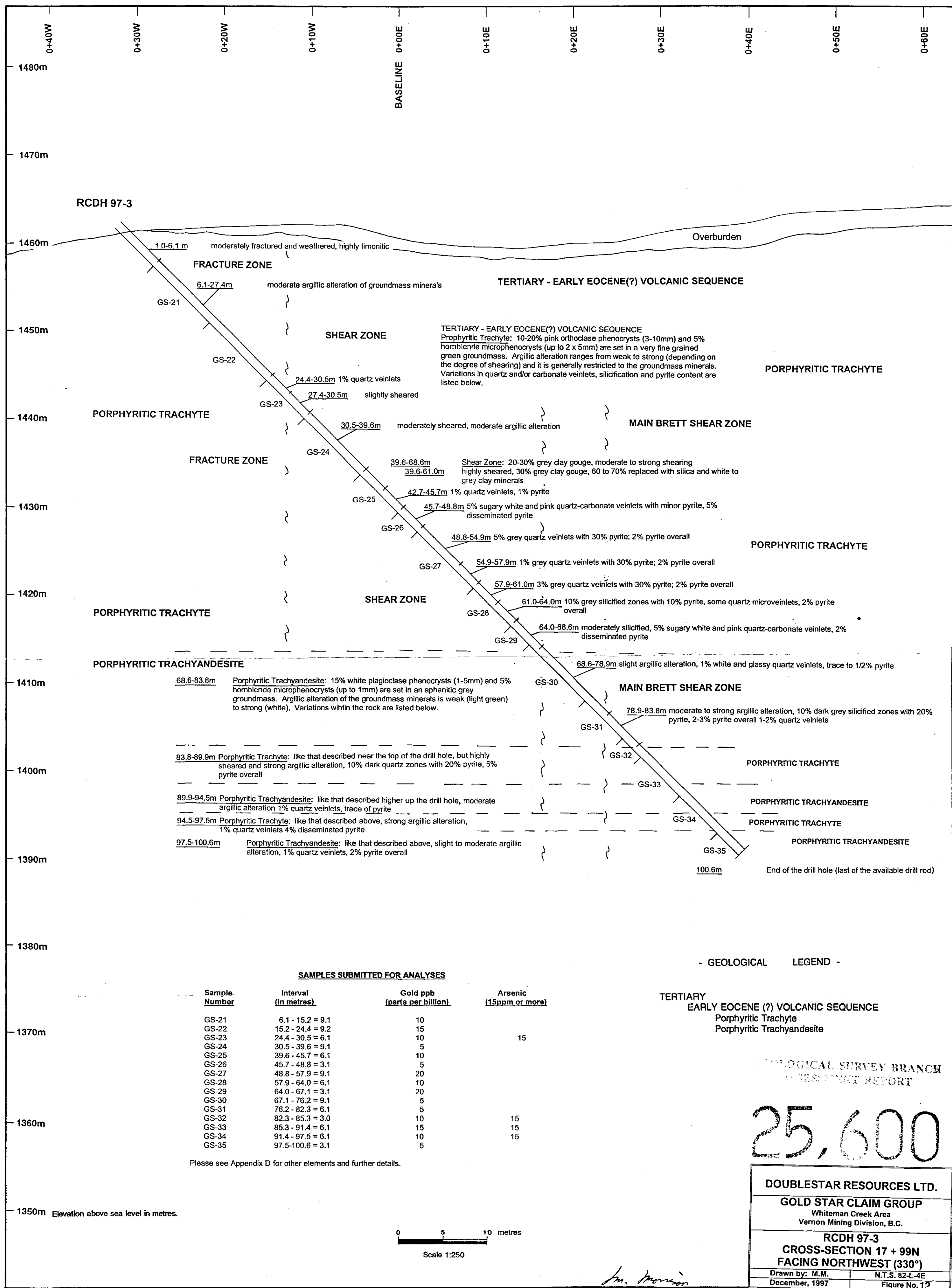
DOUBLESTAR RESOURCES LTD.

GOLD STAR CLAIM GROUP
Whiteman Creek Area
Vernon Mining Division, B.C.

RCDH 97-2
CROSS-SECTION 16 + 94N
FACING NORTHWEST (330°)

Drawn by: M.M.
December, 1997

N.T.S. 82-L-4E
Figure No. 11



68.6-83.8m Porphyritic Trachyandesite: 15% white plagioclase phenocrysts (1-5mm) and 5% hornblende microphenocrysts (up to 1mm) are set in an aphanitic grey groundmass. Argillic alteration of the groundmass minerals is weak (light green) to strong (white). Variations within the rock are listed below.

83.8-89.9m Porphyritic Trachyte: like that described near the top of the drill hole, but highly sheared and strong argillic alteration, 10% dark quartz zones with 20% pyrite, 5% pyrite overall

89.9-94.5m Porphyritic Trachyandesite: like that described higher up the drill hole, moderate argillic alteration 1% quartz veinlets, trace of pyrite

94.5-97.5m Porphyritic Trachyte: like that described above, strong argillic alteration, 1% quartz veinlets 4% disseminated pyrite

97.5-100.6m Porphyritic Trachyandesite: like that described above, slight to moderate argillic alteration, 1% quartz veinlets, 2% pyrite overall

SAMPLES SUBMITTED FOR ANALYSES

Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Arsenic (15ppm or more)
GS-21	6.1 - 15.2 = 9.1	10	
GS-22	15.2 - 24.4 = 9.2	15	
GS-23	24.4 - 30.5 = 6.1	10	15
GS-24	30.5 - 39.6 = 9.1	5	
GS-25	39.6 - 45.7 = 6.1	10	
GS-26	45.7 - 48.8 = 3.1	5	
GS-27	48.8 - 57.9 = 9.1	20	
GS-28	57.9 - 64.0 = 6.1	10	
GS-29	64.0 - 67.1 = 3.1	20	
GS-30	67.1 - 76.2 = 9.1	5	
GS-31	76.2 - 82.3 = 6.1	5	
GS-32	82.3 - 85.3 = 3.0	10	15
GS-33	85.3 - 91.4 = 6.1	15	15
GS-34	91.4 - 97.5 = 6.1	10	15
GS-35	97.5-100.6 = 3.1	5	

Please see Appendix D for other elements and further details.

- GEOLOGICAL LEGEND -

TERTIARY
EARLY EOCENE (?) VOLCANIC SEQUENCE
Porphyritic Trachyte
Porphyritic Trachyandesite

GEOLOGICAL SURVEY BRANCH
RESEARCH REPORT

25,600

DOUBLESTAR RESOURCES LTD.

GOLD STAR CLAIM GROUP

Whiteman Creek Area
Vernon Mining Division, B.C.

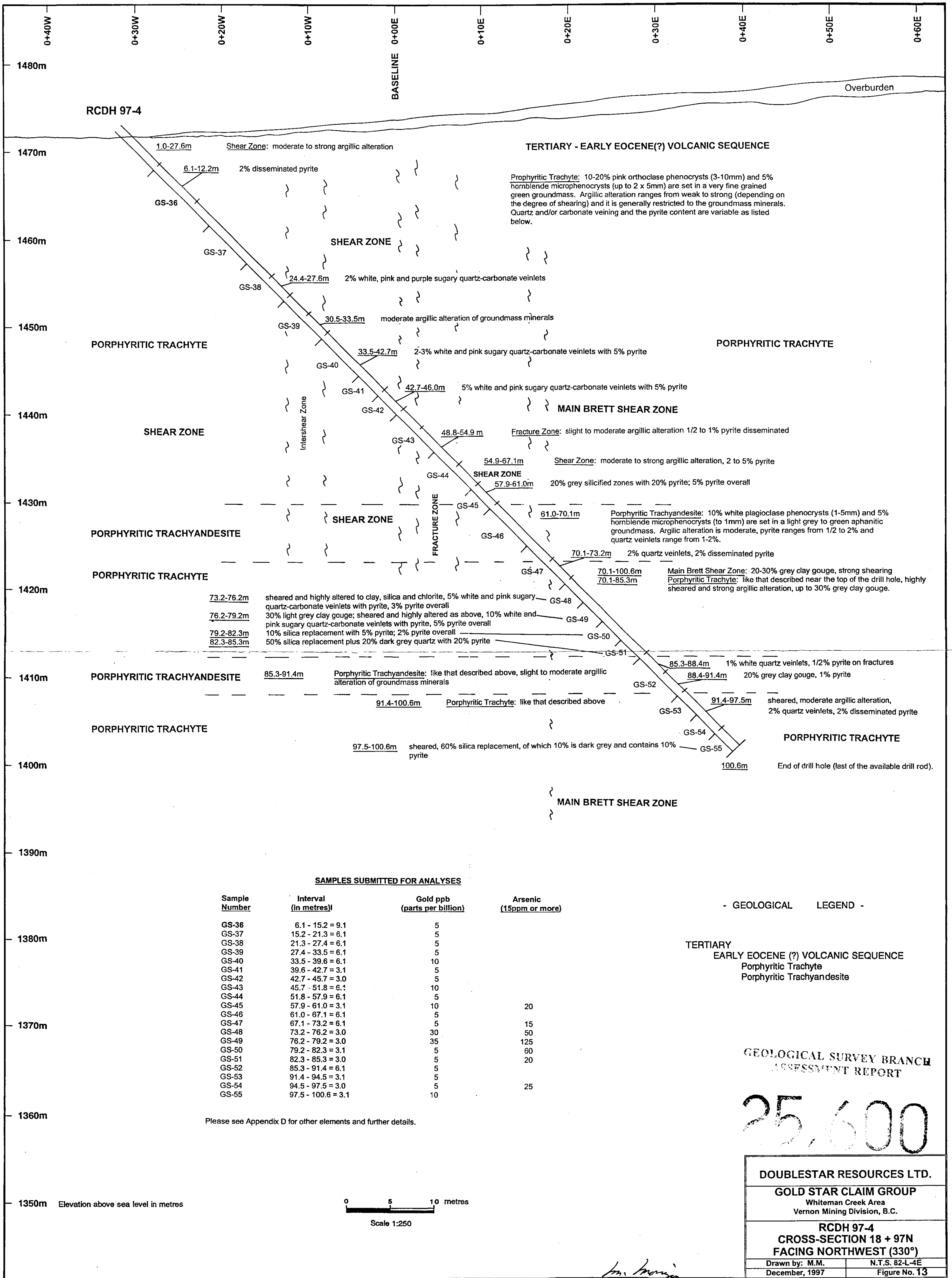
RCDH 97-3
CROSS-SECTION 17 + 99N
FACING NORTHWEST (330°)

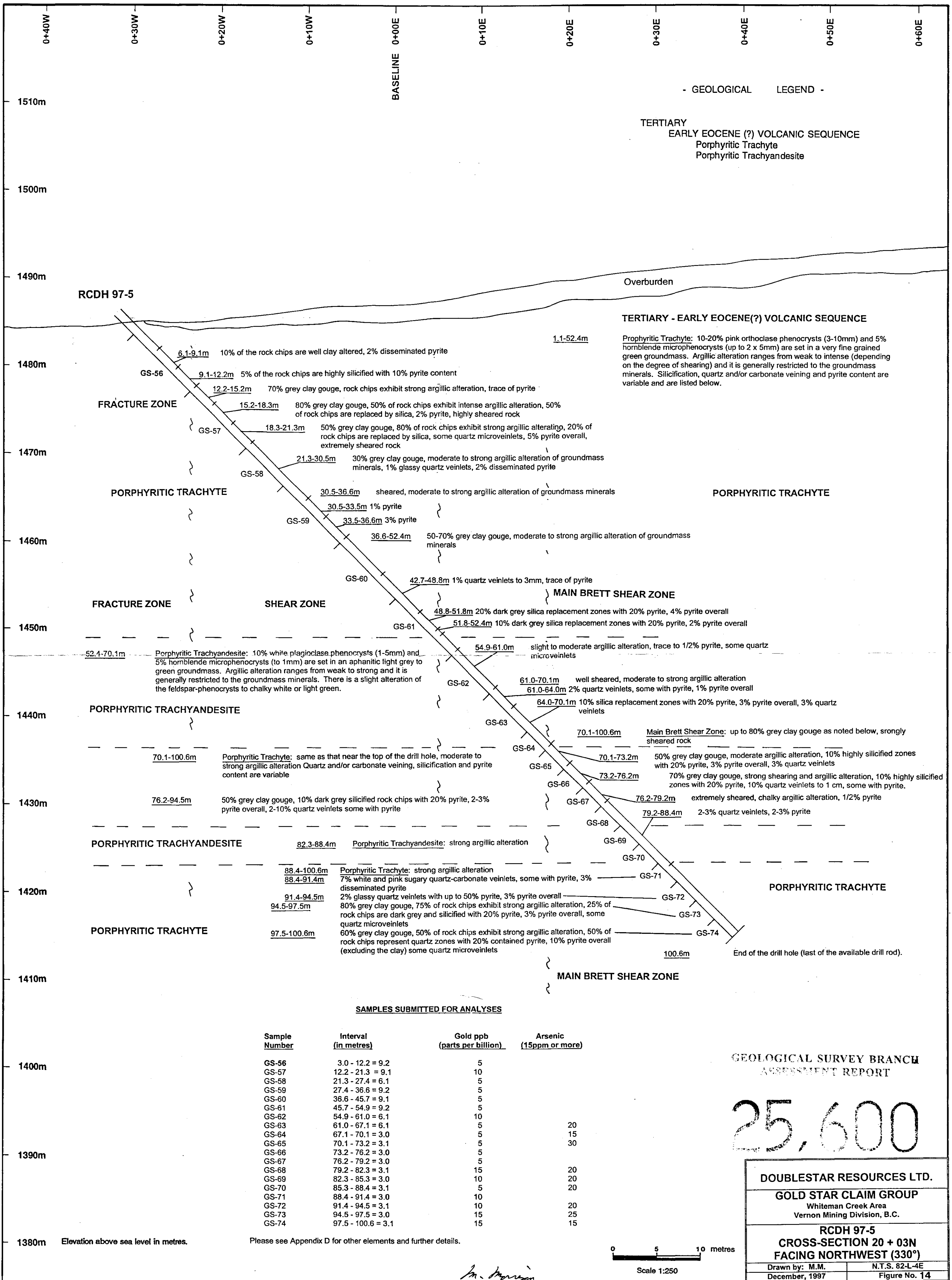
Drawn by: M.M.
December, 1997

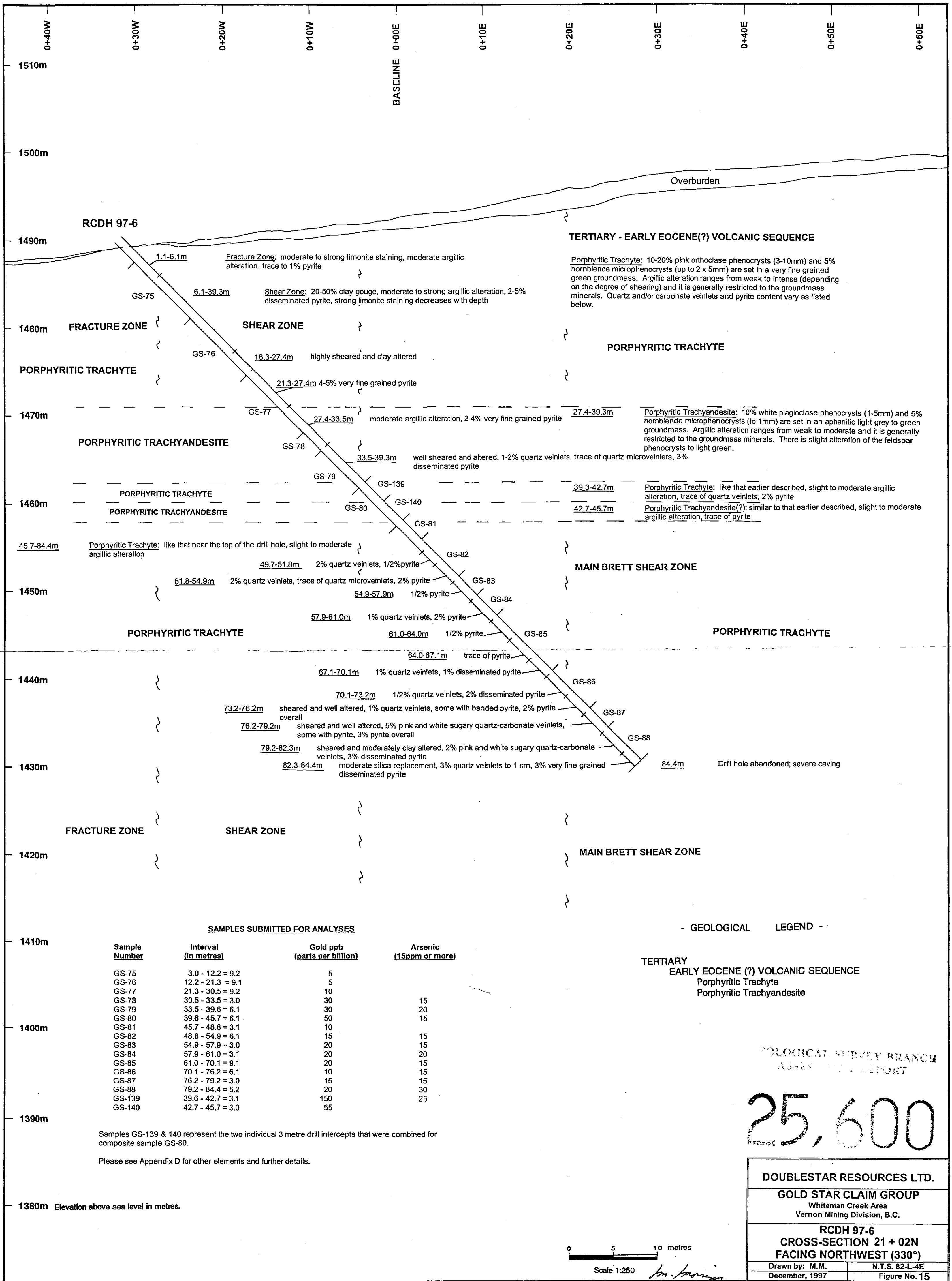
N.T.S. 82-L-4E
Figure No. 12

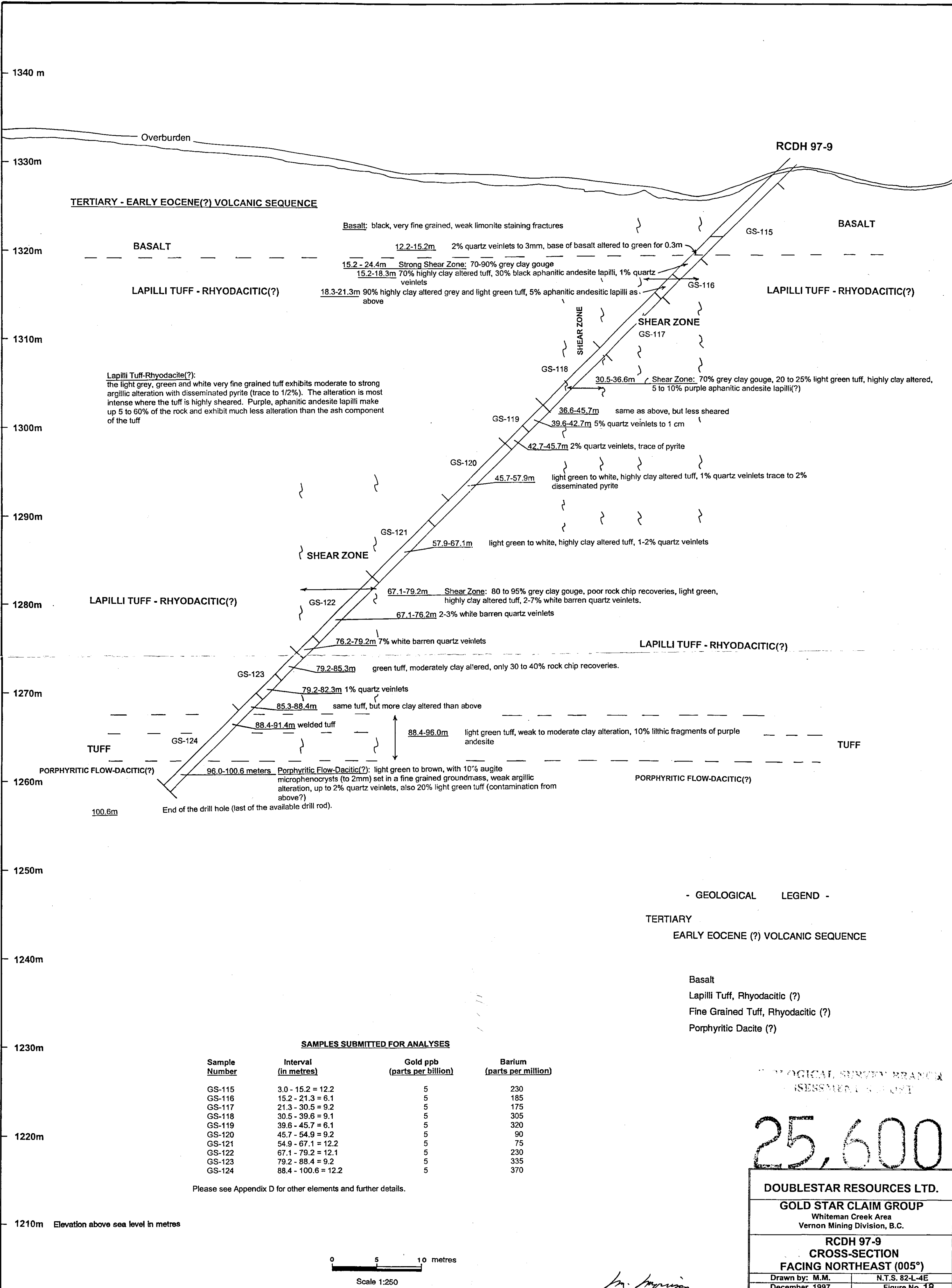
0 5 10 metres
Scale 1:250

Jm. Morrison









Lapilli Tuff-Rhyodacite(?):
the light grey, green and white very fine grained tuff exhibits moderate to strong argillic alteration with disseminated pyrite (trace to 1/2%). The alteration is most intense where the tuff is highly sheared. Purple, aphanitic andesite lapilli make up 5 to 60% of the rock and exhibit much less alteration than the ash component of the tuff

- GEOLOGICAL LEGEND -
- TERTIARY
EARLY EOCENE (?) VOLCANIC SEQUENCE
- Basalt
Lapilli Tuff, Rhyodacitic (?)
Fine Grained Tuff, Rhyodacitic (?)
Porphyritic Dacite (?)

SAMPLES SUBMITTED FOR ANALYSES			
Sample Number	Interval (in metres)	Gold ppb (parts per billion)	Barium (parts per million)
GS-115	3.0 - 15.2 = 12.2	5	230
GS-116	15.2 - 21.3 = 6.1	5	185
GS-117	21.3 - 30.5 = 9.2	5	175
GS-118	30.5 - 39.6 = 9.1	5	305
GS-119	39.6 - 45.7 = 6.1	5	320
GS-120	45.7 - 54.9 = 9.2	5	90
GS-121	54.9 - 67.1 = 12.2	5	75
GS-122	67.1 - 79.2 = 12.1	5	230
GS-123	79.2 - 88.4 = 9.2	5	335
GS-124	88.4 - 100.6 = 12.2	5	370

Please see Appendix D for other elements and further details.

GEOLOGICAL SURVEY BRANCH
INVESTIGATIONS REPORT

25,600

DOUBLESTAR RESOURCES LTD.
GOLD STAR CLAIM GROUP
Whiteman Creek Area
Vernon Mining Division, B.C.
RCDH 97-9
CROSS-SECTION
FACING NORTHEAST (005°)
Drawn by: M.M. December, 1997
N.T.S. 82-L-4E
Figure No. 18

