DIAMOND DRILLING ASSESSMENT REPORT

COPPER STAR CLAIM GROUP

NTS 92 L/3 and 92 L/6

LAT. 54° 13.8' 00" N. LONG. 127° 15.6' 00" W.

OMINECA MINING DIVISON

DATE STARTED: OCTOBER 1, 2001

DATE COMPLETED: OCTOBER 30, 2001

OWNER/OPERATOR: DOUBLESTAR RESOURCES Ltd.

AUTHOR: PAUL D. GRAY, B.Sc.

SUBMITTED: VANCOUVER, BC DATE: June 18, 2002

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1.0 SUMMARY

During October, 2001, a Diamond Drill Program totaling 1581.53 metres was conducted on the Copper Star Property located near Chisholm Lake, approximately 60 kilometres south of Smithers, B.C. in the Omineca Mining Division of British Columbia.

The program, which involved the drilling of nine (9) holes ranging from 123.7 to 200.8 metres in length, was carried out under the direction of the writer and Nils von Fersen, P.Geo. The drilling contractor was Britton Brothers Diamond Drilling of Smithers, B.C.

The Copper Star claim group is comprised of 252 contiguous mineral units, and covers an area of extensive glacial overburden defined by gently rolling hills. Occasional bedrock exposures yield variable granodiorite, Takla volcanics, and Skeena sediments.

Drilling was initiated on the property to determine the extent of chalcopyrite mineralization noted in several exposures of granodiorite and hornfelsed volcanics. An Induced Polarization program consisting of 63 line kilometers was conducted in the Winter of 2000, and several large I.P. anomalies were defined. The diamond drill program described herein was conducted to test these anomalous signatures for Copper Porphyry style mineralization.

The program was successful in locating significant concentrations of sulphide mineralization (chiefly pyrite), although anomalous values of copper were discovered in all holes. However, only one hole (CS-07) contained significant copper grades (122.88 metres averaging 0.26% Cu; including a 3.09 metre section which assayed 1.17% Cu).

In all, four I.P. anomalies were drilled and all contained abundant (estimated range 2% – 7%) pyrite mineralization that accounted for the strong I.P. responses. While the program has not eliminated the potential for discovery of better grades of porphyry copper mineralization, it has reduced the likelihood of a discovery with the size required for mine potential.

Interestingly, two of the holes (including CS-02 and CS-09) ended in anomalously high Cu grades. It is possible that more significant copper values exist below the expected (I.P. pseudo-sections) horizon. If this is the case, additional, deeper drilling may uncover higher copper grades. However, the ideal, near surface high-grade zone critical to an open-pit mining scenario was not discovered.

2.0 INTRODUCTION

This report, written for government assessment work requirements, discusses the results of a 1581.53 metre Diamond Drill Program conducted on the Copper Star Property during October 2001. Tables listing 34 element assay results, Au geochemistry, cross sections, and diamond drill logs, complete with Cu assay results, are attached as appendices to this report.

2.1 LOCATION AND ACCESS

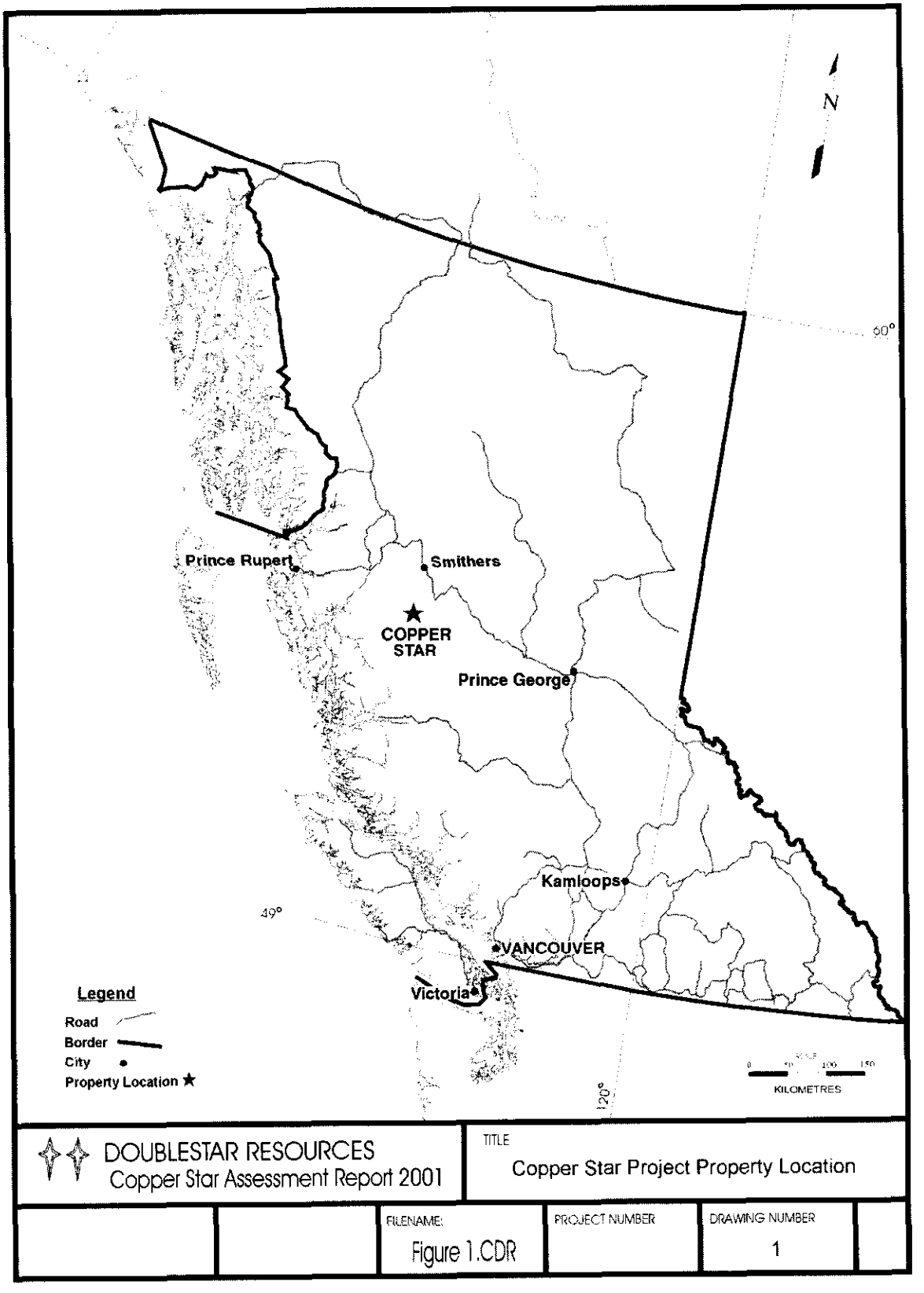
The Copper Star Property is located 60 kilometers south of Smithers B.C. Access to the property can be gained via a network of well-maintained logging roads. Morice River Road (Huckleberry Main) south from Houston, B.C (See Figures 1 and 2). The Chisholm Main logging road traverses the north side of the Morice River, and offers access directly to the property. A spur road (Tagit Line) provides access to the bulk of the property. Driving time from Houston is approximately 1 hour.

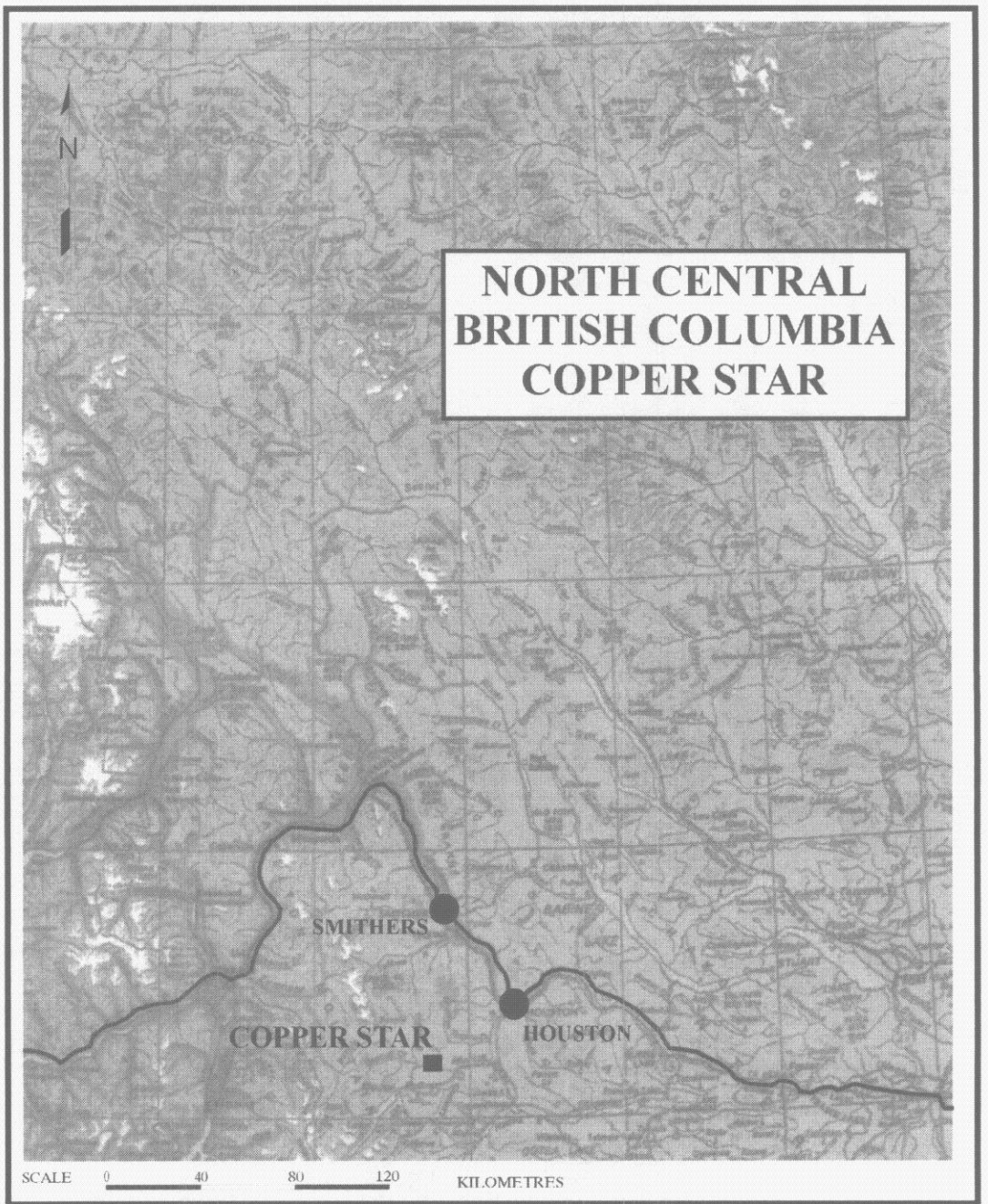
The Climate is conducive to year round mineral exploration, as is typical of lower elevation Central British Columbia. Summer temperatures average 20° C (daytime) November – March can host extreme winter conditions with cold snaps of –30° C possible. Annual precipitation averages over 50 cm with snowfall included.

The Copper Star Property is located proximal to the Nechako Plateau's western margin (Holland, 1976). The claims cover an area of limited topography, as rolling hills and small ridges interspersed with low-lying swampy ground define the physiography. Property elevations range from approximately 700 metres to 1200 metres A.S.L.

The claim area is dominated by a thick overburden cover of glacial drift. Limited exposures of bedrock can be found on selected ridges and occasionally within the local drainages.

Houston Forest Products are active with timber harvesting in the area, and road building and clear-cut activities are ongoing.


N
60°
Prince Rupert
Smithers
COPPER STAR
Prince George
Kamloops
49°
VANCOUVER
Victoria
120°
Legend
Road
Border
City
Property Location
KILOMETRES
DOUBLESTAR RESOURCES
Copper Star Assessment Report 2001
TITLE
Copper Star Project Property Location
FILENAME:
Figure 1.CDR
PROJECT NUMBER
DRAWING NUMBER
1



DOUBLESTAR RESOURCES
Copper Star Assessment Report 2001

TITLE
COPPER STAR REGIONAL LOCATION MAP

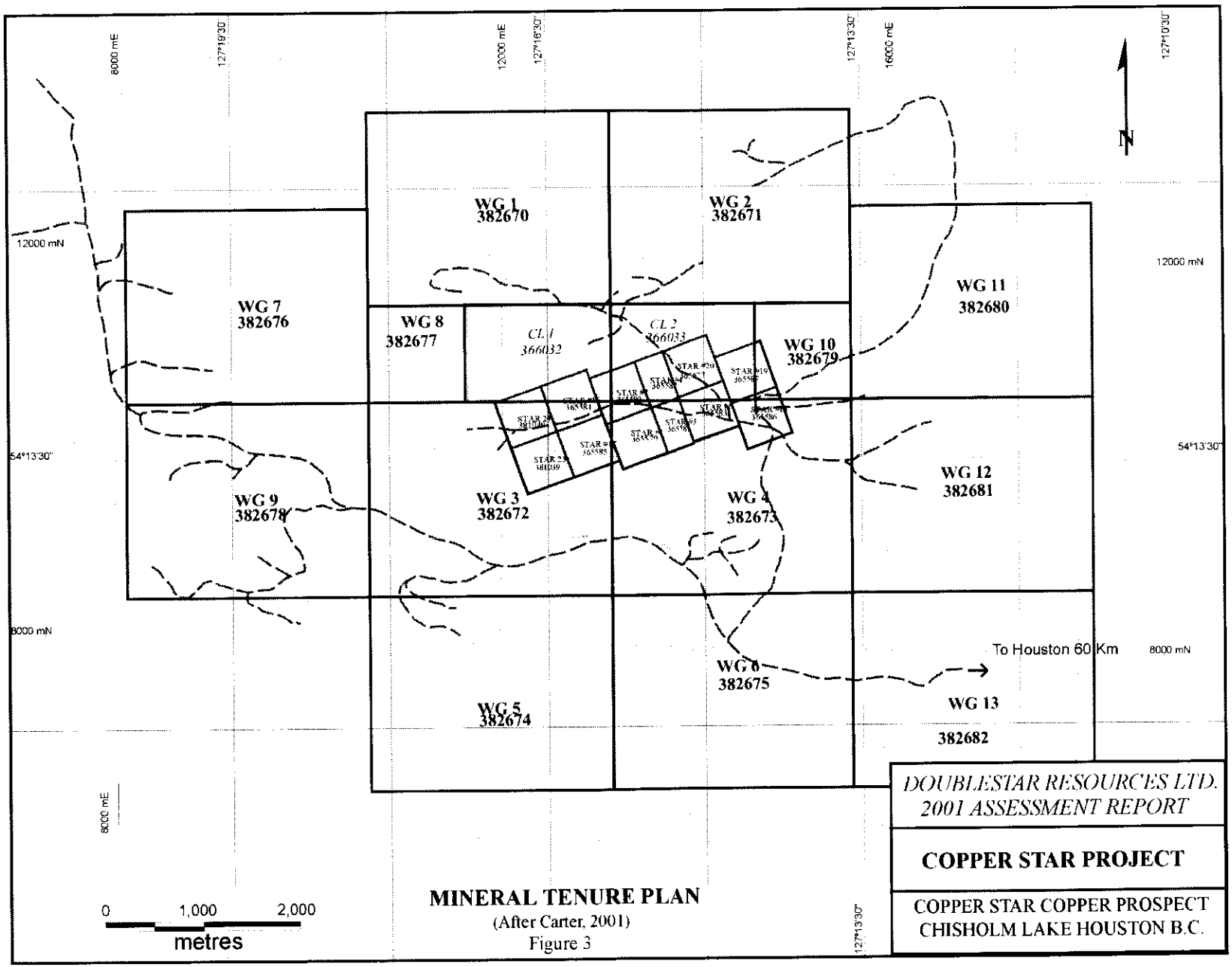
FILENAME:	PROJECT NUMBER	DRAWING NUMBER
Figure 2.CDR		2

2.2 OWNERSHIP

Doublestar conducted the diamond drill program of 2001 as part of an earn-in agreement with Continental Minerals Corporation who optioned the property from Ed and Jerry Wetgarde. Under the agreement, Doublestar had rights to acquire 50% working interest in Continental Minerals Corporation interest. This was to be accomplished by two tranches of drilling to equal 3000 metres. Doublestar has decided to terminate this agreement; therefore ownership reverts completely to Revelation and the Westgarde's.

2.3 MINERAL TENURE

The property lies in the Omenica Mining Division and consists of 12 two-post and 15 overlapping 4-post mineral claims. The land package (252 units) covers an area of approximately 6000 hectares (Figure 3). The current expiry dates of the claim group come due in 2003; based on the work conducted during Doublestar's 2001 drill program these dates will be extended by 1 year (See Table 1).


8000 mE
127°19'30"
12000 mE
127°16'30"
127°13'30"
16000 mE
127°10'30"
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12000 mN
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WG 1
382670
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WG 7
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WG 8
382677
CL1
366032
CL2
366033
WG 10
382679
WG 11
382680
WG 9
382678
WG 3
382672
WG 4
382673
WG 12
382681
WG 6
382675
WG 5
382674
WG 13
382682
To Houston 60 Km
0
1,000
2,000
metres
MINERAL TENURE PLAN
(After Carter, 2001)
Figure 3
DOUBLESTAR RESOURCES LTD.
2001 ASSESSMENT REPORT
COPPER STAR PROJECT
COPPER STAR COPPER PROSPECT
CHISHOLM LAKE HOUSTON B.C.

Table 1: Mineral Tenure Status

Lease	Tenure #	Units	Area	Expiry Date	Owner
Star #1	365579	1	25	Sept. 12, 2003	Westgarde
Star #2	365580	1	25	Sept. 12, 2003	Westgarde
Star #3	365581	1	25	Sept. 15, 2003	Westgarde
Star #4	365582	1	25	Sept. 15, 2003	Westgarde
Star #5	365583	1	25	Sept. 15, 2003	Westgarde
Star #16	365584	1	25	Sept. 18, 2003	Westgarde
Star #17	365585	1	25	Sept. 18 2003	Westgarde
Star #18	365586	1	25	Sept. 19 2003	Westgarde
Star #19	365587	1	25	Sept. 19 2003	Westgarde
Star #20	365677	1	25	Sept. 22 2003	Westgarde
Star 23	381039	1	25	Oct. 8, 2003	Westgarde
Star 24	381040	1	25	Oct. 8, 2003	Westgarde
CL 1	366032	6	150	Oct. 7, 2003	Westgarde
CL 2	366033	6	150	Oct. 7, 2003	Westgarde
WG 1	382670	20	500	Nov. 10, 2003	Revelation
WG 2	382671	20	500	Nov. 10, 2003	Revelation
WG 3	382672	20	500	Nov. 11, 2003	Revelation
WG 4	382673	20	500	Nov. 11, 2003	Revelation
WG 5	382674	20	500	Nov. 11, 2003	Revelation
WG 6	382675	20	500	Nov. 11, 2003	Revelation
WG 7	382676	20	500	Nov. 11, 2003	Revelation
WG 8	382677	4	100	Nov. 11, 2003	Revelation
WG 9	382678	20	500	Nov. 11, 2003	Revelation
WG 10	382679	4	100	Nov. 11, 2003	Revelation
WG 11	382680	20	500	Nov. 11, 2003	Revelation
WG 12	382681	20	500	Nov. 11, 2003	Revelation
WG 13	382682	20	500	Nov. 9, 2003	Revelation

3.0 EXPLORATION HISTORY

While no historic records exist of exploration work on the property, the arca and region have been widely prospected since the early 1900's, particularly so in the 1960's. During the 1970's to today, several work programs have been conducted intermittently (See Table 2).

The Lower Cretaceous sediments of the Chisholm Lake area contain bituminous coal seams, and these exposures were worked on and off over the years.

Table 2: Summary of Previous Work on the Copper Star Property

Year	Exploration Activities*
1972	Canadian Superior Exploration Ltd. conducted restricted geochemical and geological work toward intrusive-hosted Cu mineralization on the property.
1998	Imperial Metals Corporation; limited bedrock and float sampling. 50 shallow hole percussion drilling program with track-mounted drill ($41,250.00 total cost).
2000	Revelation Exploration Limited Partnership. Property size expanded, 67 line kilometers of cut grid established. 63 line kilometers of I.P. with 817 soil samples collected and analyzed (Lloyd Geophysics; $220,000.00 total cost).

*(Llyod, 2001; Robertson, 1999; and Carter, 2001)

4.0 GEOLOGY AND MINERALIZATION

4.1 GENERAL GEOLOGY

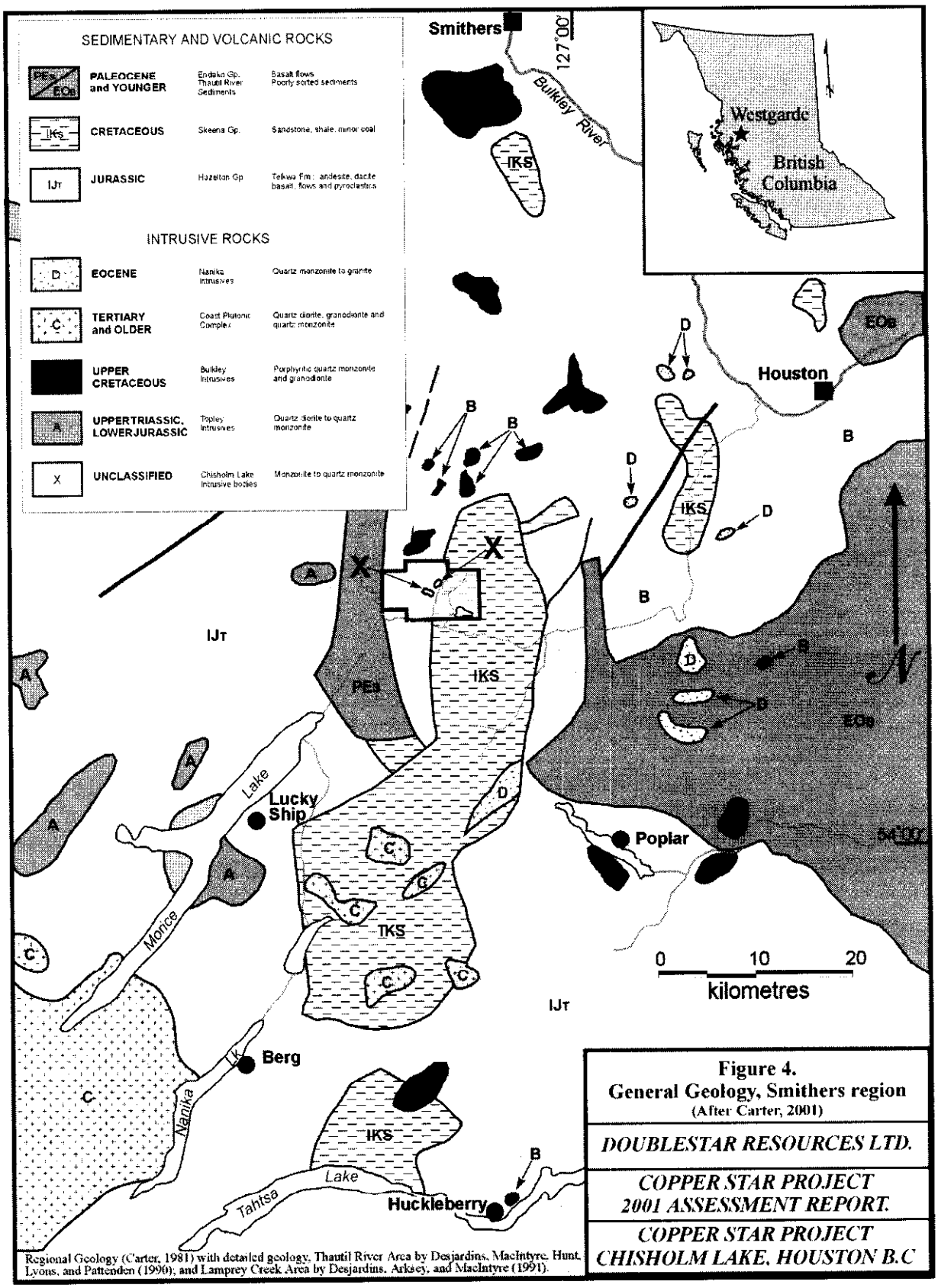
The Copper Star property lies within the Intermontane Tectonic Belt, which is comprised of a series of accreted terranes. The largest of these terranes, the Stikine, underlies this and a vast portion of central British Columbia.

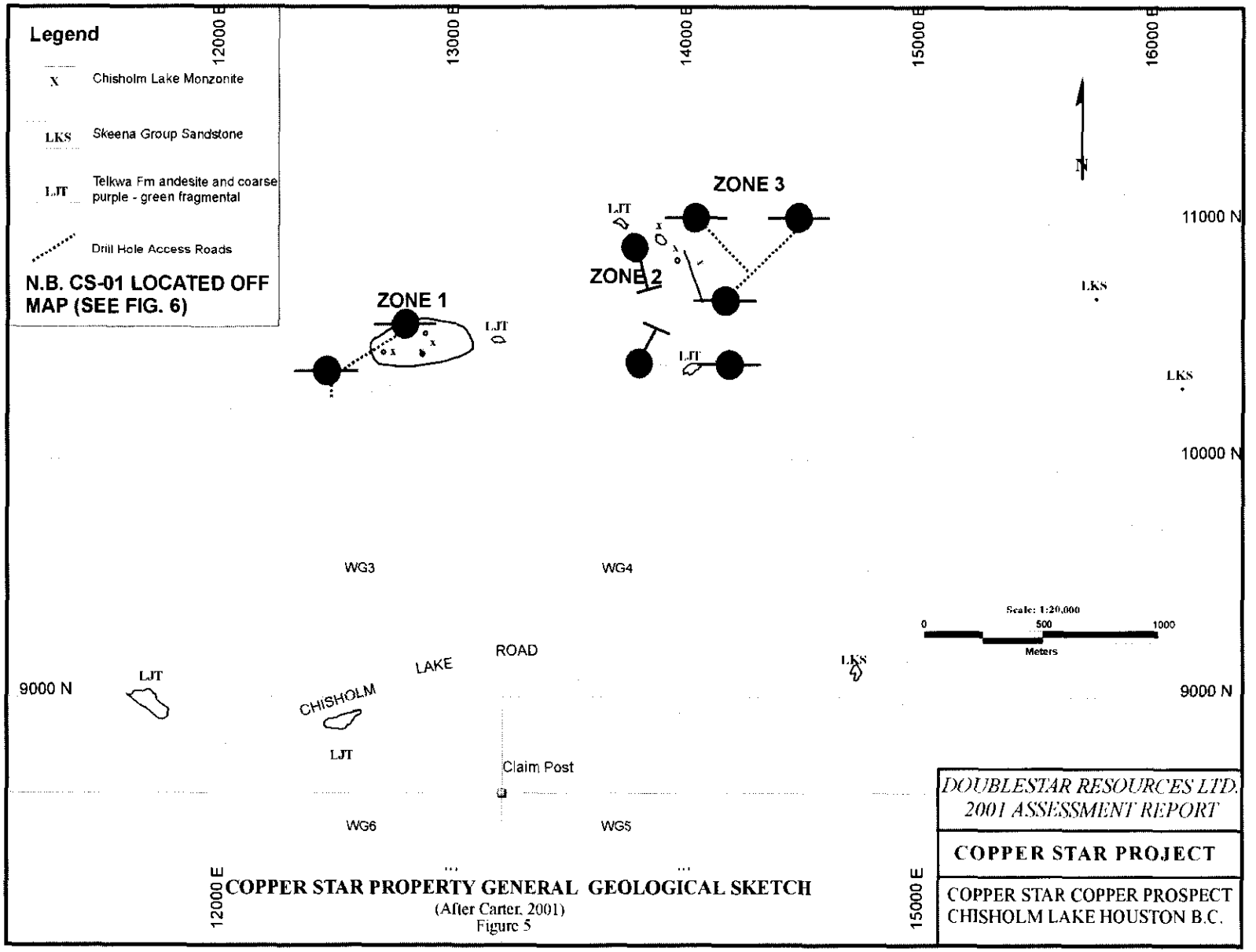
MacIntyre et al. (1989) describe the Stikine as a "collage of Jurassic, Cretaceous and Tertiary magmatic arcs and related successor basins", these volcanics and sedimentary packages unconformably overlie Permian sedimentary basement rocks. All these aforementioned units host stocks and various intrusives from Cretaceous to Tertiary age (See Figure 4).

4.2 LOCAL/PROPERTY GEOLOGY

Desjardins et al. (1990) mapped this area (Map Sheet 93L/3) at 1:50,000 scale. The map reinforces the lack of bedrock exposure in the area. The two main lithological units mapped by Desjardins et al. (1990) are Lower Jurassic, Telkwa Formation volcanic flows and tuffs; and Lower Cretaceous, Skeena Group sediments (sandstones, shales, and siltstones; including the aforementioned coal measures). The Telkwa formation underlies the bulk of the property, with the Skeena Group making up a smaller portion on the eastern end of the property.

A granodiorite comprises much of the central portion of the property. In the region, the best known and most significant deposit types are porphyry copper/moly deposits associated with these intrusives (Carter 1976, and 1981). This intrusive unit is a medium grained, pink to gray, granodiorite. The rock is porphyritic, locally with well-developed euhedral feldspars up to 5 mm. Paul Wojack (2001, Personal Communication) has noted that the granodiorite intrusives of the Copper Star Property is "strikingly similar" to the Jurassic Bulkley Intrusive suite (See Figures 4 and 5).


SEDIMENTARY AND VOLCANIC ROCKS
PALEOCENE and YOUNGER
Endako Gp. Thautil River Sediments
Basalt flows Poorly sorted sediments
CRETACEOUS
Skeena Gp.
Sandstone, shale, minor coal
JURASSIC
Hazelton Gp
Telkwa Fm.: andesite, dacite basalt, flows and pyroclastics
INTRUSIVE ROCKS
EOCENE
Nanika Intrusives
Quartz monzonite to granite
TERTIARY and OLDER
Coast Plutonic Complex
Quartz diorite, granodiorite and quartz monzonite
UPPER CRETACEOUS
Bulkley Intrusives
Porphyritic quartz monzonite and granodiorite
UPPERTRIASSIC, LOWERJURASSIC
Topley Intrusives
Quartz diorite to quartz monzonite
UNCLASSIFIED
Chisholm Lake Intrusive bodies
Monzonite to quartz monzonite
Smithers
127°00'
Bulkley River
Westgarde
British Columbia
Houston
Lucky Ship Lake
Lucky Ship
Poplar
Morice Lake
Berg
Nanika Lake
Tahtsa Lake
Huckleberry
IJT
IKS
PEo
EOo
0 10 20
kilometres
Figure 4.
General Geology, Smithers region
(After Carter, 2001)
DOUBLESTAR RESOURCES LTD.
COPPER STAR PROJECT
2001 ASSESSMENT REPORT.
COPPER STAR PROJECT
CHISHOLM LAKE, HOUSTON B.C
Regional Geology (Carter, 1981) with detailed geology, Thautil River Area by Desjardins, MacIntyre, Hunt, Lyons, and Pattenden (1990); and Lamprey Creek Area by Desjardins, Arksey, and MacIntyre (1991).



COPPER STAR PROPERTY GENERAL GEOLOGICAL SKETCH
(After Carter, 2001)
Figure 5

4.3 MINERALIZATION

Three main styles of sulphide mineralization have been noted during this property investigation; 1) finely disseminated chalcopyrite and bornite within (replacing?) and proximal to mafics (biotites and hornblendes); 2) Chalcopyrite +/- Molybdenum fracture fillings in narrow veinlets (1–5 mm), and locally 3) Disseminated and locally massive chalcopyrite/bornite/chalcocite veinlets (5–10 mm) hosted in a contact proximal volcanic hornfels.

Type 3 mineralization was not intersected by any of Doublestar drill holes, but was noted on surface in Zone # 2 (see Figure 5). It is possible that the rare chalcocite noted on such showings is a near surface phenomenon. The chalcocite was a sooty black skin style mineralization, directly associated with the massive (5–10 mm) veinlets of chalcopyrite and bornite. The showing was located on a contact between the volcanic host-rock and the intrusive granodiorite. The rock was well fractured and seemingly healed with this late (?) pulse of mineralization. It was this exposure, known as Showing #2, one of the few on the property, that directly lead to Doublestar's interest in drilling this untested property.

Mineralization does appears to differ from one lithology to another. Granodiorite related mineralization is dominantly type 1) fine grained disseminated and directly associated with (replacing ?) mafics. Bornite noted in drillcore was exclusively related to this style of mineralization, and was rare. Magnetite was also seen finely disseminated within the granodiorite in this type of mineralization. The magnetite was very fine grained and did not have a readily recognizable relationship with any particular mineral.

Type 2 mineralization was noted throughout the drill holes, particularly proximally to granodiorite-volcanic contacts. These narrow veinlets were responsible for the zones of highly elevated copper values. At these contact zones, the volcanic hostrock was well fractured, it was these fractures that appealed healed by this style of mineralization.

5.0 2001 WORK PROGRAM

5.1 INTRODUCTION

Doublestar Resources Ltd. carried out a diamond drilling exploration program consisting of nine holes on the Copper Star property (See Figures 6 and 7) between October 1 and October 30, 2001. Drill targets were defined based on the geophysical work of Lloyd (2001) and were designed to test the I.P. (chargeability) highs.

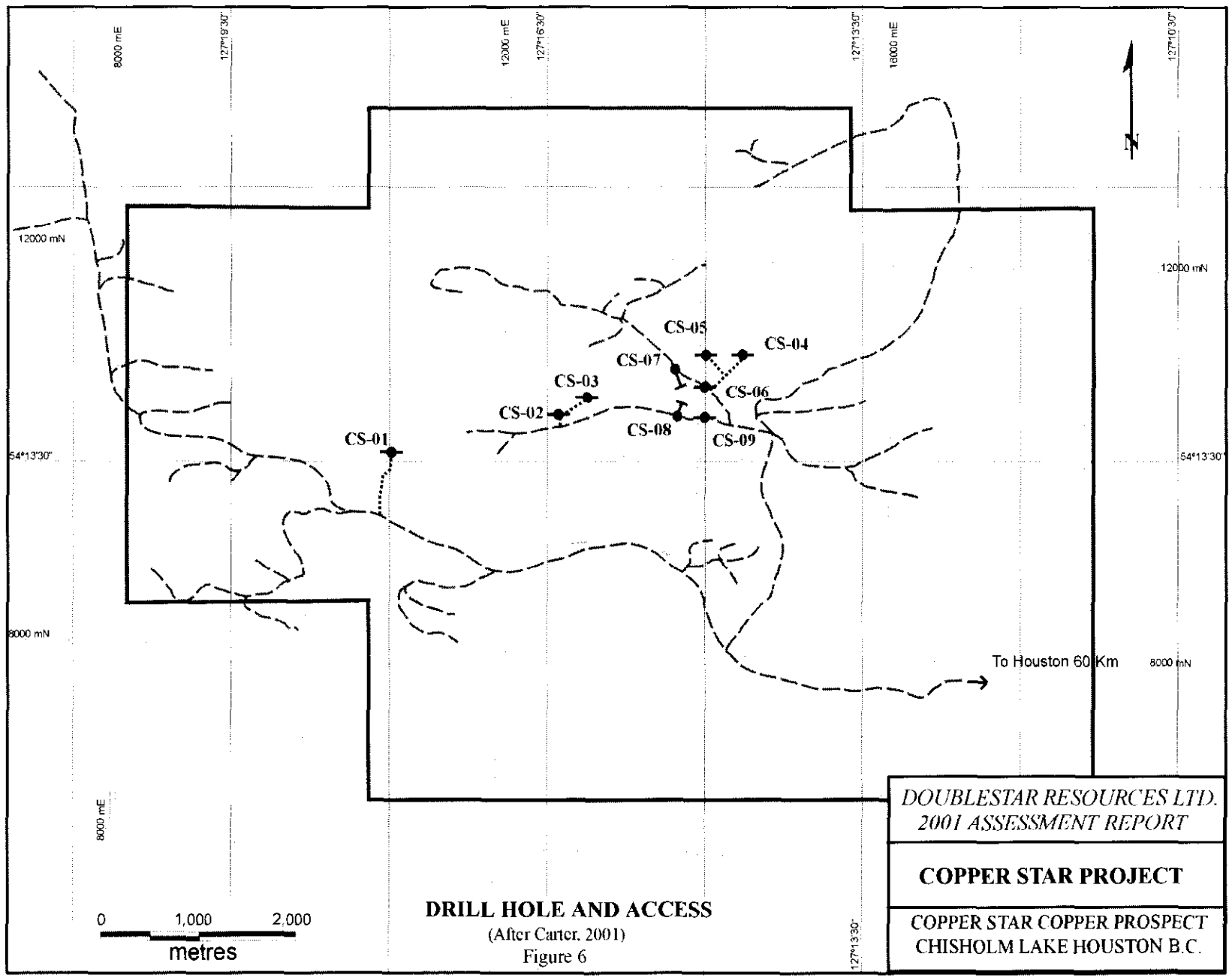
Doublestar was issued a exploration permit from the Smithers, Ministry of Energy and Mines on September 30, 2001 (#SMI-2001-0200558-155).

5.2 SITE PREPARATION AND RECLAMATION

Five (5) of the nine (9) drill sites located on the Copper Star property are located in dense pine, spruce, and balsam forest (CS-1 through CS-5). As a consequence, it was necessary to obtain a cutting licence from the Ministry of Forests, Morice Division, Houston, B.C. (#L45694).

Fallers from R&B Silivculture were contracted for 3 days to fall all trees required to gain access via the temporary access roads. The timber is considered useable, and it was necessary to full tree skid all timber to decking areas. Once decked by D6 Tractor Caterpillar (Skidder; Britton Brothers Contractors, 51 hours), a self-loading logging truck (Harry Holden Contracting, 29 hours) was utilized to move all timber to the Houston Forest Products sorting yard, where the trees were sold.

Road and drill pad building/reclamation was completed by a Samsung 280 LC excavator, contracted to Wes Nording Enterprises (84 hours). 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 runoff and sludge. The temporary access roads


8000 mE
127°19'30"
12000 mE
127°16'30"
127°13'30"
16000 mE
127°10'30"
N
12000 mN
CS-05
CS-04
CS-07
CS-03
CS-06
CS-02
CS-08
CS-09
CS-01
54°13'30"
8000 mN
To Houston 60 Km
0
1,000
2,000
metres
DRILL HOLE AND ACCESS
(After Carter, 2001)
Figure 6
DOUBLESTAR RESOURCES LTD.
2001 ASSESSMENT REPORT
COPPER STAR PROJECT
COPPER STAR COPPER PROSPECT
CHISHOLM LAKE HOUSTON B.C.

were constructed to specifications listed in Doublestar's work approval document, e.g. a maximum of 6 metres width.

CS-6 through CS-9 were drilled from existing logging roads, and therefore only minimal drill pad preparation was required.

5.3 DIAMOND DRILLING PROGRAM

Nine (9) NQ (47.6 mm diameter) diamond drill holes were completed during the 2001 program for a total 1581.53 metres (See Table 3). Drilling was contracted to Britton Brothers Diamond Drilling of Smithers. B.C, who supplied a skid mounted Longyear 28. This drill rig was ideally suited to both the topography and the drilling. Drilling took place 24 hours a day with two shifts (driller and helper). A Doublestar crew was located on site for the duration of the program, and as such were available for late night drill moves. A skid mounted water pump accompanied the drill at each site.

Drill pads were located either on existing logging roads, or in clearings at the end of constructed temporary access roads.

Table 3: Drill Hole Survey Information (Coordinates in U.T.M. N.A.D. 83, Zone 9)

DDH #	Northing	Easting	Elevation	Azimuth	Dip	Depth (m)	Casing (m)	Dates Drilled (2001)
CS-01	6009712	610981	960 m.	n/a	-90	197.04	38.11	10/1 - 10/4
CS-02	6010399	612595	852 m.	n/a	-90	109.72	6.09	10/4 - 10/5
CS-03	6010597	612823	883 m.	n/a	-90	123.7	36.57	10/5 - 10/7
CS-04	6011081	614402	934 m.	n/a	-90	178	6.1	10/7 - 10/9
CS-05	6010963	614002	929 m.	n/a	-90	176.16	6.1	10/9 - 10/10
CS-06	6010683	614074	874 m.	n/a	-90	200.2	6.04	10/10 - 10/12
CS-07	6010876	613800	880 m.	150	-60	200.8	28.04	10/12 - 10/15
CS-08	6010405	613798	857 m.	030	-65	198.71	9.14	10/15 - 10/18
CS-09	6010439	614051	852 m.	n/a	-90	197.2	15.24	10/18 - 10/19

5.4 SURVEY

All drill hole locations were surveyed with a Trimble Scoutmaster GPS once the drilling was completed. This data was further bolstered by verification with the established grid on the property.

Upon completion, each hole was marked with a large wooden stake. These stakes were flagged and marked with a tag indicating Drill Hole #, Date, Inclination, Azimuth, total Depth, and UTM coordinates.

5.5 CORE LOGGING PROCEDURES

Pre-Program Doublestar erected a Core logging shack and two Core racks on an unused landing, and this site served as Doublestar's camp and logging facility.

As each hole was drilled, the core was boxed and transported from the drill to Doublestar's central logging facility. Transportation was by either 4-wheel drive truck or 4-wheel quad.

Core was logged for lithology and mineralization, manually split, sampled and stored at the site. Each core box was marked with Drill Hole #, interval, and box #.

The host rock intersected in this program in order of abundance is volcanics (mafic/felsic); intrusives (granodiorites), and minor sediments (shales). All the above lithologies were variably altered throughout the holes.

5.6 ANALYTICAL PROCEDURES

Core was sampled in 3 metre intervals in general, with a few instances of odd lengths. All of the split core samples were submitted to Bondar-Clegg for sample preparation and 34 element ICP analysis. In hole CS-01 every 5^{th} sample was assayed for Au via AA, and in the remainder of the holes, every 10^{th} sample. Bondar-Clegg produced two sample splits from each 3 metre interval. Assay and ICP results are provided in Appendix B. Every 20^{th} sample was bolstered by a duplicate sample.

5.7 RESULTS

A total of 484 samples were collected and assayed during this program. All were analyzed by 34 element ICP, 88 were analyzed for Gold, and 32 duplicate samples were completed.

The objective of the 2001 diamond drill program was to test the main chargeability anomalies defined by an Induced Polarization survey of the property. The drill program encountered extensive pyritization (2 – 10%) in all holes (See Drill logs). This sulphide mineralization, while abundant, did not have significant copper values associated with it. It appears therefore that the I.P. was successful in delimiting sulphide horizons within the host rock. Several of the holes intersected significant copper, CS-07 was decidedly the best hole with an intersection of 122.88 metres of 0.26% Cu. Holes CS-02 and CS-03 both returned interesting Cu numbers top to bottom, with elevated numbers near surface. Both holes CS-09 and CS-02 ended with elevated Cu values for the last several metres. Table 4 illustrates selected, better, averaged copper grades per hole.

The following chart (Chart 1) indicates the correlation between Copper values Silver values. The data represents all samples assayed, and no distinction of rock type has been attempted (too few samples of each rock type were collected to be statistically significant). Therefore, this chart simply indicates a direct correlation between Copper and Silver values, which, if there was a single mineralizing event, may be significant.

Chart 2, indicates the assay results between the original ICP data of Bondar-Clegg and the duplicate samples. Clearly, the correlation is excellent.

Table 4: Selected Diamond Drill Averaged Copper Grades Per Hole Results

Copper Star 2001 Selected Drilling Results				
Hole #	**Dip & Azimuth**	**Interval**	**Thickness**	**Cu (avg.)**
		(metres)	(metres)	ppm / %
CS-01	Vertical	38.11 – 189.57	151.46	**116.38 / 0.01**
CS-02	Vertical	6.09 – 109.72	103.36	**809.12 / 0.08**
CS-03	Vertical	36.57 – 123.7	87.13	**603.75 / 0.06**
CS-04	Vertical	22.4 – 178	155.6	**219.83 / 0.02**
CS-05	Vertical	6.1 – 176.16	170.06	**286.42 / 0.03**
CS-06	Vertical	6.04 – 156.96	150.92	**423.83 / 0.04**
CS-07	-65 / 150°	47.5 – 170.38	122.88	**2552.95 / 0.26**
CS-08	-60 / 030°	24.38 – 198.71	174.33	**300.14 / 0.03**
CS-09	Vertical	46.32 – 197.2	150.88	**518.76 / 0.05**

Chart 1: Copper Assays vs. Silver Assays

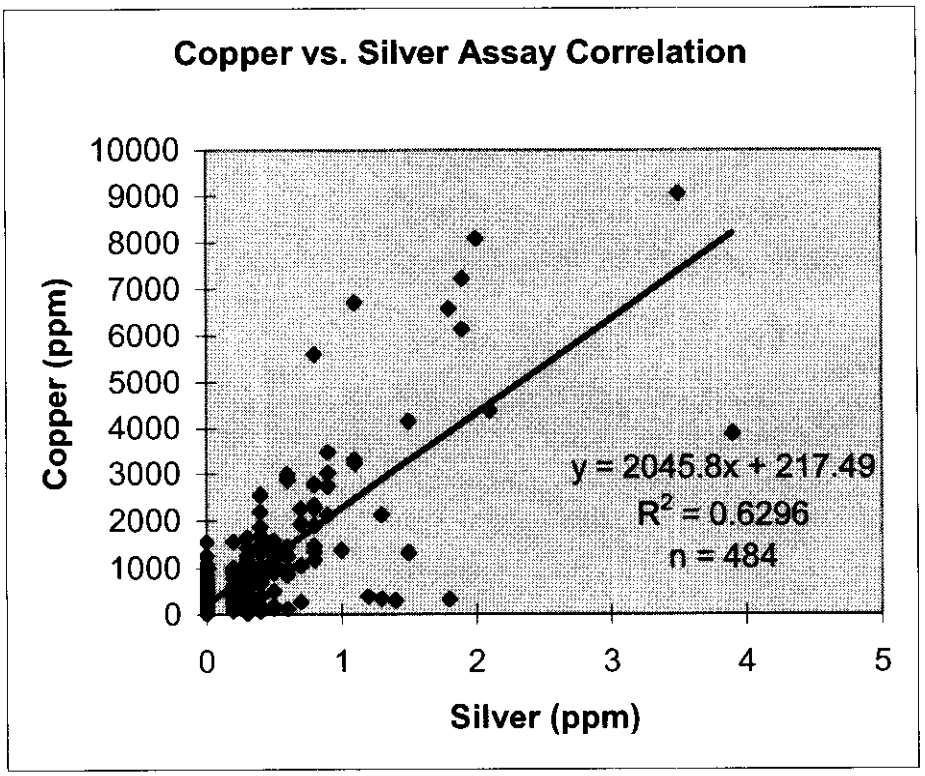
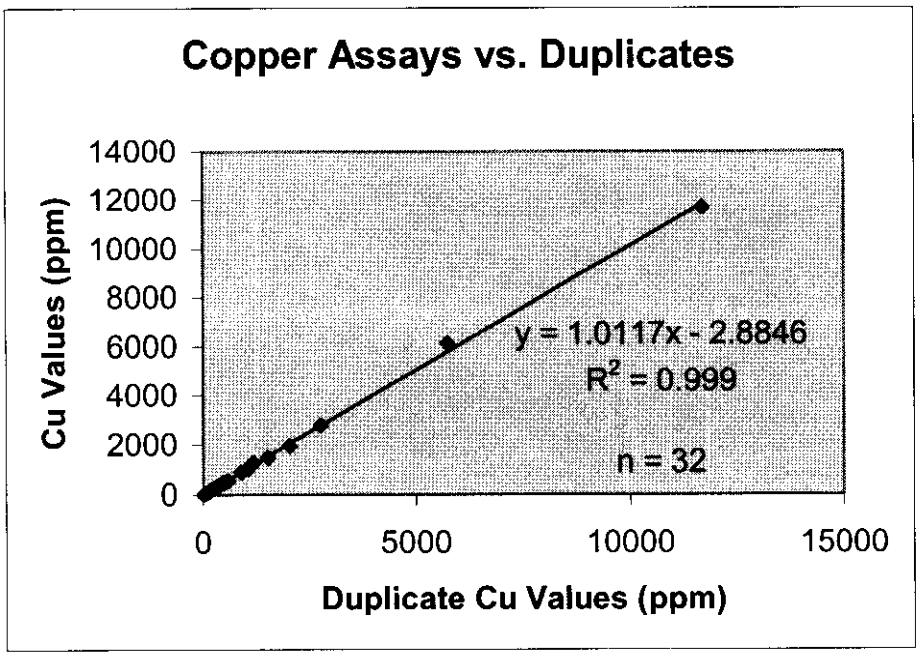


Chart 2: Duplicate Sample Results vs. Original Data



5.7 THIN SECTIONS

At the request of the author six (6) thin-sections were prepared from representative drill core samples of drill hole numbers CS-07 and CS-09. In CS-07 the representative samples were collected from 164 metres.....and in CS-09 164 metres....These samples were selected for investigation because of the alteration and mineralization they contain. It was hoped that through microscopic investigations, a more accurate account of the style of alteration, and relationship of mineralization vs. alteration could be better constrained.

Thin-sections were produced by Dr. Norman Gray, PhD., of the University of Connecticut. The sections he produced have been photomicrographed, and selected photos and Dr. Gray's annotations and comments are included herewith.

Briefly though, the mineralized samples are all quite altered - even in the least mineralized thin section (164) a green amphibole is locally replaced by a light brown biotite.

CS-7 164 is coarse grained quartz-diorite (tonalite) with andesine (An30), quartz and hornblende. The calcic cores of the plagiocalse are saussuritized; in some cases epidote can be seen.

The primary rock in the CS-9 samples (all altered); seems finer grained and possibly more quartz rich than CS-7 164. The biotite/hydrobiotite "acicular"crystals may be replacements of originally acicular amphiboles - in which case the original rock may have saturated alkaline affinities.

Almost all the CS-9 samples contain a fair amount of clay (montmorillonite?) alteration of the calcic feldsapr cores. The sodic rims are completely clear and untouched. Sericite,

biotite/hydrobiotite, and calcite seem to have throughly replaced original amphibole. The clay is generally very fine grained but there are places where it is present as large flakes (low birefringence).

These are (slide scans):

CS-7-164.cpt : 1pixel = 25.4/1770 mm. Note green amphibole (some biotite replacement) and clouded cores of andesine crystals.

CS-9-73.cpt: 1pixel = 25.4/1770 mm. Note biotites, cloudy clay alteration of feldspar cores and calcite alteration along sulphide vein.

The following are microscope images but I'm not sure of the scale:

CS-9-107.cpt Note biotite, clouded clay cores and abundant apatite

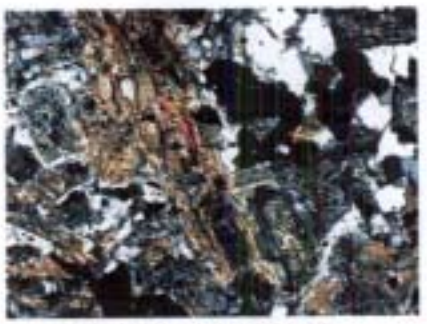
CS-7-164.cpt Note amphibole and biotite replacement

Acicular.cpt Note cores of feldspars, apatites (high relief), and biotite acicular xtals

ClayCores.cpt Note clouded cores (caly + in some places calcite), apatites (here somehat yellow), and clear albite rims

Sericite.cpt Sericite (even low birefringence material) + calcite (at least a carbonate) replacing acicular bladed amphibole.

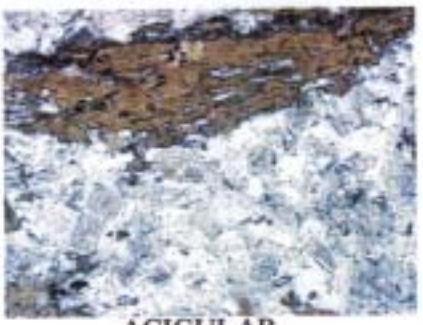
SericiteCalcite.cpt Sericite (even low birefringence material) + calcite (at least a carbonate) replacing acicular bladed amphibole. Note also clear albite rims on clay clouded feldspar.



SERICITE CALCITE

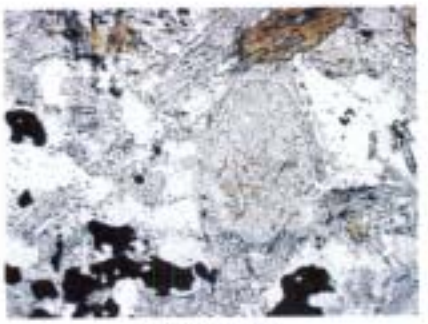
Sericite (even low birefringence material) + calcite (at least a carbonate) replacing acicular bladed amphibole. Note also clear albite rims on clay clouded feldspar.

CS-9-164



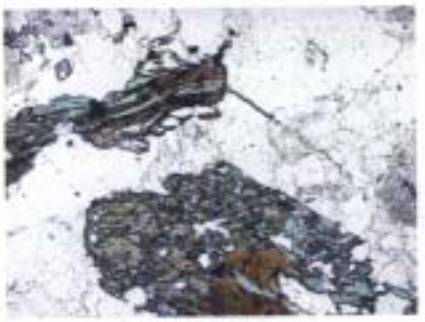
ACICULAR

Note cores of feldspars, apatites (high relief), and biotite acicular xtals



CS-9-107

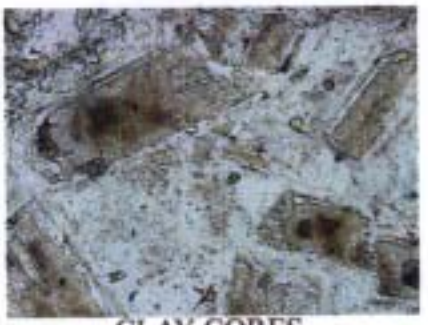
Note biotite, clouded clay cores and abundant apatite



CS-7-164

1pixel = 25.4/1770 mm. Note green amphibole (some biotite replacement) and clouded cores of andesine crystals.

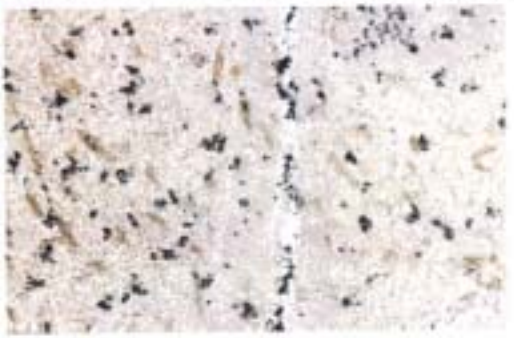
Note amphibole and biotite replacement



CLAY CORES

Note clouded cores (only + in some places calcite), apatites (here somewhat yellow), and clear albite rims

Sericite (even low birefringence material) + calcite (at least a carbonate) replacing acicular bladed amphibole.



1pixel = 25.4/1770 mm. Note biotites, cloudy clay alteration of feldspar cores and calcite alteration along sulphide vein.

6.0 CONCLUSIONS

Diamond Drilling results obtained from the October 2001 Copper Star Project, have successfully tested I.P. anomalies located during previous work, and intersected sulphide mineralization throughout the Copper Star Property. Pyrite, chalcopyrite, bornite, and rare chalcocite (surfically noted only) are hosted chiefly but not exclusively in granodiorite. The disseminated portion of these minerals is associated with the mafic constituents of the granodiorite (e.g. biotites and hornblends), while fracture fillings account for a significant percentage of the overall grade. Mafic and feslic volcanics intercepted by the NQ core, also contained sulphide mineralization (as fine disseminations and fracture fillings). Bornite was not noted in association with mafic minerals, but was seen on fractures and in small veinlets (1- 5 mm) in holes CS-02 and CS-03.

Although the drill program tested the most obvious I.P. anomalies, the property is large, and potential remains for additional porphyry-style mineralization of equal or better grade in untested areas. The higher grades of copper intercepted at the bottom of holes CS-02 and CS-09 are encouraging. It is possible that higher-grade copper mineralization exists deeper than the I.P. targets had indicated.

The property requires a robust program of geological mapping. Using existing cut grid lines, a geological map should be completed before the next phase of drilling begins. While exposures of bedrock are rare on the property they do exist, and a compilation map of geology, I.P., drill holes, and soil sampling results would be a benefit to the program. Additionally, a magnetometer study of the property would assist greatly in a geological interpretation, and add value to the compilation map. As a good cut grid exists on the property the cost of such a program would be small. Another I.P. program concentrated on defining the open I.P. anomalies to the northeastern portion of the I.P. grid would be permissible at this stage. This drill program has proven I.P. is successful in indicating sulphide mineralization on this property.

The next phase of diamond drilling should be designed based on the results of the

above programs. At least one hole should test the property to depth (greater than 400 metres). These holes should be positioned centrally and towards the eastern edge of the property. Hole CS-01 did not intersect any significant copper mineralization, or indeed the granodiorite. Therefore the western margin of the property is deemed as not prospective.

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COPPER STAR PROJECT
STATEMENT OF EXPENDITURES

EXPENSES APPLIED ARE ONLY TAKEN FROM

SEPTEMBER 22 - OCTOBER 31, 2001

Salaries:

Paul D. Gray	40 days @ $300.00/day	$12,000.00
Nils von Fersen	20 days @ $300.00/day	$6,000.00
Dave Hayward	35 days @ $185.00/day	$6,475.00
Terrence J. Rochfort	6 days @ $185.00/day	$1,110.00
Jerry Mencl	6 days @ $185.00/day	$1,110.00

Total Salaries = $26,695.00

Drill Site and Access Road Construction and Reclamation:

Excavator: *Wes Nording Enterprises Contracting*	84 hours @ $120.00/hour	**$10,080.00**
Skidder *Britton Brothers Contracting*	51 hours @ $82.10/hour	**$4,187.10**
Fallers *R&B Silviculture*	3 days @ $481.50/day	**$1,444.50**
Processor *Bell Brothers Contracting*	9 hours @ 137.96/hour	**$1,241.64**
Self-Loader *Harry Holden Contracting*	29 hours @ 107.00/hour	**$3,103.00**

Sub-Total = $18,076.74

Diamond Drilling:

Britton Bros. Diamond Drilling 1581.53 metres NQ @ $62.80 / metre **$99,332.71**

Analytical:

Bondar Clegg 34 Element ICP and Assays – 484 Samples **$8,107.75**

Camp Costs: Trailer, Food, Fuel, telephone **$4,388.51**

Equipment Rental:	Generator Set	**$741.00**
Sample Shipment:	Banstra Transportation	**$1,856.37**
Travel and Accommodation:	Airflights, Hotel, Food, etc.	**$3,163.68**
Expenses:	Equipment Acquistion and associated costs	**$1,768.51**

TOTAL = $164,130.27

STATEMENT OF QUALIFICATIONS

I, Paul D. Gray, of 4460 West 12th Ave., Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY THAT:

1. I am an employmee of Doublestar Rersources Ltd. with offices at 305-1549 Marine Drive, West Vancouver B.C.

2. I am a graduate of Dalhousie University, Halifax Nova Scotia, with a Bachelor of Science Degree in Earth Science (Geology).

3. I have been a practicing geologist in the mineral exploration industry continually since 1996.

4. That this report is based on data generated from fieldwork I oversaw performed from September 22, 2001 through October 31, 2001.

DATED at West Vancouver, British Columbia, this 18th day of June, 2002.

Paul D. Gray, B.Sc.

June 18, 2002 West Vancouver, B.C.

APPENDIX - A

DIAMOND DRILL LOGS

Doublestar Resources Ltd.

Core Log Data Sheet

Project: Copper Star

Hole No.: CS-01

Inclination: -90 Azimuth: Total Depth: 197.04 m.

Northing: 9712 Easting: 10981

Collar Elev. (m): 960 Core Size: NQ

Logged By: Nils v F.

Contractor: Britton Brothers

Date(s) Drilled: 10/1 - 10/4, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
0.00- 38.10		Overburden					
38.10-41.15		38.10-41.15 collared in f.g. reddish brown, mod. to strongly magnetic andesite. Broken and ground core, hairline calcite/qtz pyrite stringers, veinlets. Slickensides on some fractures with calcite-qtz-pyrite. Patchy silicification. Fractures 30-40° to c.a., some sub ll. Mineralization: pyrite on fractures estim. 2-3% pyrite.	407762	38.11	41.16	26	
41.15-43.90		41.15-43.90 41.15-41.45m aphanitic magnetic silic. andesite. 41.45-43.90m ground core at contact with f.-m.g. grey-green qtz/feldspar porphyritic intrusive dyke. Mafic minerals chloritized, feldspars some sericite, weak/mod. magnetic. Moderate to strong fracture development 20-40° to c.a., multidirectional. Mineralization: pyrite on hairline fractures, disseminated replacing matrix and in veinlets. Calcite and pyrite on fractures. Estimate 2-3% pyrite					
43.90-44.80		43.90-44.80 as above, f.g. feldspar porphyry	407763	41.16	44.82	143	
44.80-47.85		f.-m.g. altered intrusive/volc. dyke, mixed zone- silicious, multiple small fractures, calcite fill or pyrite plus calcite selvage. Darker patches are moderately magnetic. Mineralization: pyrite calcite on fractures. Estim. 2-3% pyrite.	407764	44.82	47.87	121	
47.85-50.90		as above, altered f.-m.g. intrusive/volc. Crushed zone 49.22-49.68m calcite cementing fragments, becomes dominantly dark f.g. volcanic at 50.29m. Network of calcite stringers and veinlets. Core is friable and broken. Mineralization: pyrite on fractures, estim. 2-3%.	407765	47.87	50.19	108	
50.90-53.85		f.g. aphanitic, dark grey-brownish, mafic volcanic mod./str. magnetic, mod. hard/hard silicified/hornfelsed. Hairline fractures, multidirectional network 20-40° to c.a. 53.86m – py vein with minor calcite, altered wall rock. Core mottled, patchy mafic sectors surrounded by light greenish altered areas. Mineralization: pyrite on fractures estim. 2-3% pyrite.	407766	50.19	53.96	138	
53.85-57.0		53.85-57.0 aphanitic mafic volcanic as above, much broken core, angular fragments. At 54.56m small pyrite calcite veinlet cut and offset by later calcite veinlet, suggests two stages of veinlets. Dominant fracture angle 20-40° to c.a. Mineralization: pyrite primarily in stringers and small veinlets. 2% pyrite.	407767	53.96	57.01	81	
57.0-60.0		57.00-60.0 as above, mod/str. magnetic, hard, stringers of pyrite with calcite on selvages, shallow angle to c.a., patchy red hematite on fractures. Calcite stringers without pyrite, and others with pyrite plus hematite. Pyrite approx. 2%.	407768	57.01	60.07	100	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
60.0-62.48		as above, 60.65m- 10 cm bleached silicified zone 50° c.a. increase in pyrite in wall rock, crosscuts earlier pyrite stringers. 62.18m vein with calcite like material, no fizz with Hcl, gypsum?. Pyrite approx. 2%.	407769	60.07	62.5	183	
62.48-65.53		62.48-65.53 as above, 62.48m pyrite vein 50° to c.a., increase in calcite stringers down-hole, core is highly fractured, fractures are healed with pyrite or calcite. Mineralization: pyrite approx. 2%.	407770	62.5	66.13	144	
65.53-69.19		65.53-69.19 as above, aphanitic, mafic volcanic, mod/str. magnetic, hard, with moderate pyrite/calcite stringer development. Mineralization: Pyrite approx. 2%.	407771	66.13	69.18	140	
69.19-72.23		69.19-72.23 as above, 70.10-70.53m- bleached zone with hematite dusting, dark green/light green, calcareous. Pyrite stringer development sub ll to c.a. Mineralization: pyrite approx. 2%.	407772	69.18	72.23	299	
72.23-76.87		aphanitic mafic volcanic flow, occasional mottled dark green/light green intergrowths due to alteration. Pyrite stringers sub ll to c.a. Down-hole increase in calcite veinlets, very broken core 74.98m to end. Mineralization: Pyrite stringers estim. 2% py.	407773	72.23	75.28	148	
76.87-82.60		76.87-82.60 as above, broken and some ground core. Pyrite/calcite in hairline stringers sub ll to c.a. and at a shallow angle. Closely spaced 1 cm intervals locally. Mineralization: pyrite, normally in stringers, disseminated in wall rock only in bleached alteration halos. Estim. 2-3% pyrite.	407774 407775	75.28 78.93	78.93 81.37	133 262	
82.60-87.29		aphanitic mafic volcanic flow, as above. Estimate 2-3% pyrite in stringers and groundmass.	407776 407777	81.37 84.42	84.42 87.47	160 111	
87.29-92.65		aphanitic mafic volcanic flow, mod/str. magnetic, occasional patches that show fine feldspar crystals. Fractures and stringers with pyrite, parallel to c.a., later overprint of calcite stringers and veinlets. Moderate breccia healed by calcitc90.82-91.28m, 94.08-92.65m. Estim. Pyrite 1-2%.	407778 407779	87.47 90.52	90.52 93.56	136 112	
92.65-98.45		92.65-98.45 aphanitic mafic volcanic as above, 93.87-94.42m mafic clots (chloritic) in a in a feldspar/qtz groundmass, mottled appearance, approx. 10% mafics. 94.63-96.77m – high concentration of veinlets and masse of white to pinkish vein filling, 70-90° to c.a. appearance like calcite but no fizz with HCl. Cross-cuts hairline pyrite and calcite stringers. Hematite stained gypsum? Estim. Pyrite 1-2%.	407780 407781	93.56 96.61	96.61 99.66	80 88	
98.45-103.84		98.45-103.84 mafic volcanic, mod. magnetic, hard to med. hard, f.g. to aphanitic, strongly crackled, with strong calcite/gypsum? Overprint in multidirectional fracture fillings and veinlets. Estim. Pyrite 1-2%.	407782	99.66	102.7	52	
103.84-108.81		103.84-108.81 as above. Estimate pyrite 1-2%.	407783 407784	102.71 105.76	105.8 108.8	351 156	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
108.81-114.11		108.81-114.11 as above, highly fractured and broken, (50% of core is broken), mod. magnetic, some silicified sections, hairline pyrite stringers parallel to c.a. Calcite/dolomite/gypsum? veinlets overprint earlier pyrite stringers.112.77m. to end of interval- strongly invaded by the above, hematite in the most intense sector at 113m. Pyrite approx. 1%.	407785 407786	108.8 111.85	111.9 114.9	130 364	
114.11-120.08		114.11-120.08 continuation of pervasive vein flooding to 117.95m. –sub ll to 60° to c.a. Much less pyrite in stringers and veinlets. 117.95-120.08m aphanitic mafic volcanic, decrease in intensity of calcite/dolomite/gypsum? veinlets. Pyrite <1%.	407787 407788	114.9 117.95	118 121	40 73	
120.08-125.27		aphanitic to fg. mafic volcanic, strongly magnetic, hard, py/qtz/calcite veinlets at 20-40° to c.a., well fractured. Increase of calcite stringers, veinlets and chlorite alteration in matrix towards end of interval. Estimate pyrite approx. 3%.	407789	120.99	124	42	
125.27-131.06		125.27-131.06 increase of calcite, chlorite alteration of groundmass outward from calcite/pyrite veining. Mottled, less altered patches magnetic. Veining sub ll to 45° c.a. Fault at 130.45m. gouge, wall rock foliated. Strong calcite/chlorite alteration from 125.57-131.05m. Estimate pyrite >5%.	407790 407791	124.04 127.09	127.1 130.1	111 74	
131.06-136.85		131.06-136.85 highly weathered/altered hematitic mafic volcanics. Shattered/sheared, calcite on fractures,131.73 132.43m. fault zone. Footwall – red fg. volcanics, highly fractured, calcite cement, talc/gypsum. Decrease in pyrite stringers. Talc –waxy, white/greenish. Estimate 1-2% py.	407792 407793	130.14 133.19	133.2 136.2	36 9	
136.85-142.03		as above, this interval and above appears as a large multiple fault zone with several planes of movement. Pyrite veins at70° to c.a. associated with kspar flooding of wall rocks at 137.45m. and 138.37m.. Estimate pyrite 2-3%.	407794 407795	136.23 139.28	139.3 141.4	17 8	
142.03-148.22		142.03-148.22 as above, reddish/brown, aphanitic, hard, highly fractured mafic volcanic. Calcite/pyrite/dolomite? veinlets, some talcose material on fractures. Thin felsic intrusive dykes at 146.30m. and 147.36m. with disseminated pyrite. Estimate pyrite 2-3%.	407796 407797	141.42 144.77	144.8 147.8	6 176	
148.22-153.31		148.22-153.31 148.22-149.28m. –mg. Intrusive? with fine grained disseminated pyrite. Mafic minerals chloritized. 149.95-152.24m. highly altered, mafic volcanic, abundant vfg.pyrite. 152.24-152.85m. strongly chloritic, disseminated vfg. pyrite. 152.85m. to end, broken aphanitic mafic volcanic. Estimate pyrite >5%.	407798 407799	147.82 150.86	150.9 153.9	46 62	
153.31-158.79		153.31-158.79 153.31-156.04m. aphanitic mafic volcanic, trace epidote, calcite/ dol/gypsum, fine grained pyrite on fractures. 156.04-156.96m. pervasively chloritized, bleached intrusive?, vfg. Disseminated pyrite throughout, >5% py . 156.96-158.79m. mottled differentially altered mafic volcanic. Core for the whole interval much fractured and calcite veined. Esimate pyrite3-5%.	407800 407801	153.91 156.04	156 158.8	219 62	
158.79-163.88		158.79-163.88m. continues from above, mottled, differentially altered mafic volcanic, diffuse alteration boundaries. 161.84-163.88m. distinct sub-angular fragments – breccia with epidote alteration of some fragment margins. Possible volcanic fragmental. Estimate pyrite 1-2%.	407802 407803	158.79 161.84	161.8 163.7	129 37	
163.88-169		163.88-169.0 greenish/grey mafic volcanic, hard, mod. magnetic, mottled, continuation of fragmental. Fragments up to 1cm., sub-angular, differential alteration accentuates texture. In general weakly altered, very broken core, pyrite on fractures, later calcite veinlets. Estimate pyrite apprx. 1%.	407804 407805 407806	163.66 165.19 168.24	165.2 168.2 171	85 76 138	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
169-174.34		169.00-174.34 as above, mixed aphanitic/fragmental texture, carbonate veining 15-20° c/a. 169.46m. 10cm. Banded calcite/chlorite vein 70° c/a. 173.42m. 7cm. Pyrite/calcite/qtz vein – wall rock epidotized. Estimate pyrite approx. 1%.	407807	170.98	174	115	
174.34-179.82		dark grey/green mafic volcanic, mostly fragmental, mottled, fragments < 1cm in general. 174.34-176.77m. well developed epidote clots in matrix, calcite veinlets dominate. Estimate pyrite approx 0.5-1%.	407808 407809	174.03 177.08	177.1 179.8	59 87	
179.82-185		fragmental, possible bedding at 40° c/a.181.35-181.96m. aplitic, felsic dyke, disseminated pyrite and sparse chloritic mafics, upper contact parallel to bedding. Calcite veinlets with hematite on selvages, little pyrite. Veinlets 20° c/a. <1% pyrite.	407810 407811	179.82 183.17	183.2 185.9	73 168	
185-190.73		185.00-190.73 fragmental mafic volcanic, calcite veinlets, some with chlorite centers, few pyrite veinlets/fractures. 190.15m. pyrite rims on fragments. Pyrite approx. 1%.	407812	185.91	189.6	105	
190.73-197.04		as above, thin feldspar porphyry dyke with fine dusting of biotite? in matrix at 195.67-196.28m. Pyrite approx. 1%. End of Hole.					

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star		Hole No.: CS-02
Inclination:	-90	Azimuth:	Total Depth: 109.72 m.
Northing:	10399	Easting: 12595	Logged By: Nils v F.
Collar Elev. (m):	852	Core Size: NQ	Contractor: Britton Brothers
			Date(s) Drilled: 10/4 - 10/5, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
0.00 - 6.09		Overburden					
6.09 -11.28		Broken core, 6.06-9.14m, coarse grained intrusive, fractures and adjacent wall rock stained with hematite. Intrusive is weakly altered –feldspars weakly seriticitzed, mafics hornblende and some biotite. Hornblende chloritized, approx. 25-30% of groundmass.Minor calcite veinlets. 9.14-11.28m.mafic volcanic dyke, sharp contact, strongly magnetic, calcite-hematite veinlets 20-40° to c.a. No sulphides.	407813	6.09	9.14	728	
11.28-16.61		mafic volcanics continue to 15.24m -contact gouge(5cm). - 15.27-16.61m c.g. intrusive, black-greenish hornblende to 0.5cm on long axis, broken/ragged, borders of feldspar phenocrysts indistinct - plagioclase>orthoclase Kspar estim. 30- 40%, quartz> 10%, hornblende granodiorite. Feldspars easy to scratch, moderately altered, hornblende black-greenish, chloritized, trace epidote on borders. Disseminated f.g magnetite. Mineralization: 16.27m. qtz veinlet, clots of cpy, trace of moly. Cpy replaces centres of hornblende crystals. Estim. >/- 0.2%.	407814 407815	15.23 19.5	19.5 21.94	1645 963	
16.61-21.94		c.g. granodiorite as above- qtz/calcite and fine hairline fractures with hematite at 20-30° to c.a. Occasional Kspar flooding of wall rock or hematite stain on feldspar. Qtz/calcite veinlets contain cpy and trace moly, spaced approx. 0.3-0.6m apart. Mineralization: disseminated cpy in mafics and in qtz/calcite veinlets, no pyrite association, grade estimate 0.2-0.25%Cu.					
21.94 - 27.48		as above	407816 407817	21.94 24.99	24.99 28.04	2557 823	
27.48 - 33.22		c.g. hornblende granodiorite -27.55m qtz/calcite veinlet with moly, Kspar flooding of wall rock to28.22m. Several narrow f.g. dykelets? of similar composition to host rock, with diffuse contacts. Rare qtz/calcite veinlets with cpy clots. Cpy. disseminated in mafics. Estimate 0.2% Cu.	407818	28.04	31.08	624	
33.22 - 38.71		as above, cpy in rare qtz/calcite veinlets, and as disseminations replacing mafics. Zones of pink Kspar flooding, tends to favour cpy occurrence. Not well mineralized, estimate </= 0.1% Cu.	407819 407820	31.08 34.74	34.74 37.79	544 950	
38.71 - 47.70		c.g. granodiorite, pink Kspar flooding extends from to 16.76m., 45.11-47.70m., very broken, ground core, poor recovery. Weakly disseminated cpy., trace moly, rare qtz/calcite cpy veinlets. Estimate <0.1% Cu.	407821 407822 407823	37.79 40.23 45.1	40.23 45.1 47.85	543 2116 358	
47.70 - 53.43		c.g. granodiorite, weakly altered hornblende, almost fresh appearance, sparsely disseminated cpy within hornblende, weak epidote shreds associated with some hornblende. Core well fractured to 50.30m. hairline calcite stringers, calcite on fractures. Very rare qtz/calcite/cpy veinlets. Estimate < 0.1% Cu.	407824 407825	47.85 50.28	50.28 53.33	744 537	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
53.43 - 60.65		as above, 53.95-57.91m. moderate increase of pink Kspar phenocrysts in ground mass, gm. is finer 50.08m to end, with apparent increase in mafics and larger orthoclase feldspars. Core is well fractured, calcite on fracture surfaces. Weakly disseminated cpy in mafics , very rare qtz/calcite/cpy veinlets . Estimate <0.1% Cu.	407826	53.33	56.08	377	
			407827	56.08	57.9	96	
60.65 - 68.06		as above, Fault zone 61.87 rubble and gouge, broken core to 66.44m. Estimate <0.1% Cu.	407828	57.9	61.87	507	
			407829	61.87	64	411	
			407830	64	66.16	326	
68.06 - 73.91		c.g. granodiorite, 67.96-69.34m. pink Kspar, 2 qtz/calcite/cpy veinlets, moly on hairline fracture. 69.34-72.54m. more chloritic, calcite stringers and veinlets. 72.54-73.91m. 2-3 stringers and veinlets of qtz/calcite/cpy, no significant disseminated cpy in mafics.	407831	66.16	69.18	508	
			407832	69.18	72.23	430	
73.91 - 79.34		c.g. granodiorite, 73.91-75.28m. shattered core, calcite on fractures, mafics chloritic, some epidote on edges of lmbl. Very sparse cpy on a fracture,and some specs in lmbl. No qtz/calcite/cpy veinlets. Estimate <0.1%Cu.	407833	72.23	75.28	373	
			407834	75.28	78.32	73	
79.34 - 85.13		as above, moderate pink Kspar, several qtz/calcite veinlets, no cpy. cpy veinlet at 80.89m. selvage chloritic, 84.12m. qtz/calcite/cpy veinlet. Veinlets 30-40 c.a. Hairline carbonate veinlets appear to be later. Estimate <0.1% Cu.	407835	78.32	81.37	296	
			407836	81.37	84.42	506	
			407837	84.42	87.47	673	
85.13 - 97.84		as above, 85.13-85.95m. qtz/calcite/cpy/moly veinlets, 86.35m. cpy veinlet, 85.13-93.57m. no cpy in chloritic mafics. 93.57-96.92m. rubbly core, sandy, lost core, fault at 94.18m. Disseminated cpy in mafics 96.92-97.84m. mafics are less chloritized, cpy veinlet at 97.38m. Estimate 0.1% Cu.	407838	87.47	90.52	263	
			407839	90.52	93.56	545	
			407840	93.56	96.61	329	
97.84 - 103.32		c.g. granodiorite, 97.84-98.14m. fracture zone, rubble, sandy. 98.93-102.10m. friable, weathered core, calcite veinlets. 100.88-101.95m. thin gouge and calcite vein sub parallel to c.a.	407841	96.61	99.66	616	
			407842	99.66	102.7	290	
103.32 - 108.81		c.g. granodiorite, 97.84-98.14m. fracture zone, rubble, sandy. 98.93-102.10m. friable, weathered core, calcite veinlets. 100.88-101.95m. thin gouge and calcite vein sub parallel to c.a. Disseminated cpy in mafics 98.14--98.44m., 102.40m. qtz/calcite cpy veinlet with moly. Estimate 0.1% Cu.	407843	102.71	105.8	640	
			407844	105.76	108.8	719	
108.81 - 109.72		as above, pink Kspar moderately well developed, 108.81m, 109.57m. qtz/calcite/cpy veinlets, no significant cpy in mafics. Estimate <0.1% Cu. End of Hole.	407845	108.8	109.7	5591	

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Core Log Data Sheet

Project:	Copper Star	Hole No.:	CS-03
Inclination:	-90	Azimuth:	Total Depth: 123.7 m.
Northing:	10597	Easting: 12823	Logged By: Nils V. F
Collar Elev. (m):	883	Core Size: NQ	Contractor: Britton Bros
			Date(s) Drilled: 10/5 - 10/7, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)
0.00 - 36.57		Overburden				
36.57 – 42.82		c.g. granodiorite, hornblende (biotite) as in CS-02, weakly to moderately altered, mafics chloritized, and sparsely epidotized. Occasional qtz/calcite stringers, calcite in hairline stringers, weak to moderate Kspar development as phenocrysts near qtz/calcite veinlets. Fracturing/veining 30-60° to c/a. 36.63m. -qtz vein with cpy in wall rock, weak disseminated cpy in altered cores of hnbl. to 39.62m. Fault at 40.23-40.61m. sandy friable material. 39.62-42.82m. no significant pink Kspar, rare disseminated cpy in mafics, trace pyrite. Core weakly magnetic. < 0.1% Cu.	407846 407847	36.57 39.31	39.31 42.97	718 686
42.82 – 48.25		42.82-44.80m. as above, sparse qtz/calcite/cpy veinlets, weakly disseminated cpy in mafics, hairline calcite stringers. 44.80-48.25m. v. weak dissemination of cpy in mafics. < 0,1% Cu.	407848 407849	42.97 44.8	44.8 47.85	619 364
48.25 – 54.20		as above, m.-cg. hnbl granodiorite, chloritized hnbl. disseminated grains of magnetite, epidote on margins of altered hnbl. 48.25-50.80m. moderate disseminated cpy in hnbl., two thin qtz/calcite/cpy veinlets. 50.80-54.20m. –weak diss. cpy/hnbl. Estimate < 0.2% Cu.	407850 468001	47.85 50.8	50.8 53.9	397 781
54.20 – 59.80		as above, sections with slight increase of Kspar alteration, overall more altered mafics, rare qtz/calcite/cpy veinlets, spacing average >1/m. Moderate diss. cpy/hnbl. 54.20-56.10m. Qtz/calcite/cpy vnlt., 56.90m. Estimate < 0.2%Cu.	468002 468003	53.9 56.9	56.9 60	2551 647
59.80 – 65.35		as above, chlorite, epidote alteration of mafics, magnetite, diss cpy in mafics 59.80-61.80m. Rare hairline stringers with cpy, several qtz/calcite/cpy veinlets, average width 0.3-0.4 cm. Gouge 63.00-63.58m. parallel to c/a. –1.0 cm. Estimate < 0.2% Cu.	468004 468005	60 63.1	63.1 66.15	2191 1554
65.35 – 71.35		as above, sparse diss. cpy in mafics, fractured and friable sections at 69.18m, 70.00-71.05m., sandy clay, carbonate rich shear. Fractured parallel to c/a. 71.05m to end. Rare qtz/calcite/cpy vnlts. Estimate > 0.2% Cu.	468006 468007	66.15 69.18	69.18 72.23	500 697
71.35 – 77.34		as above, sheared/clay rich zones sub parallel and shallow angle to c/a. 71.93-74.58m., qtz/chlorite/cpy.MoS2, sheared vein sub parallel to c/a. Pink Kspar phenos slight increase in gm. 76.20m to end of interval. Sparse cpy in mafics, one or two qtz/calcite/cpy (MoS2) veinlets. Estimate > 0.2% Cu.	468008 468009	72.23 74.98	74.98 77.72	1253 776
77.34 – 83.00		cg. granodiorite, pink Kspar imparts mottled pinkish green colour to core. Trace diss. cpy in mafics, calcite veinlets and stringers. No significant sulphide. <0.1% Cu.	468010 468011	77.72 80.79	80.79 83.23	295 492

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
83.00 – 90.52		as above, calcite/qtz veining, feldspars more altered (scratch with pin) mafics to chlorite/epidote. Veining sub parallel to c/a. No significant sulphides. < 0.1% Cu.	468012 468013	83.23 85.06	85.06 89	218 133	
90.52 – 95.72		90.52-90.82m. fault – sandy, friable. As above, Kspar rich phenocrysts, calcite veining parallel to c/a. Trace cpy in mafics 93.39-95.72m. One qtz/cpy veinlet. <0.1% Cu.	468014 468015	89 92.05	92.05 95.72	76 707	
95.72 – 101.12		as above, pinkish green speckled core, increased qtz/calcite veining sub-parallel to c/a. three qtz/cpy veinlets, slight increase in MoS2. No significant diss. cpy. < 0.1 % Cu.	468016 468017	95.72 98.75	98.75 102.1	608 129	
101.12 – 107.00		cg. granodiorite, fresher appearance 101.16-102.53m., weak Kspar in matrix phenos. 102.53-105.15m. -core broken and ground –104.30m to end, fault 106.37m. Gouge adjacent to qtz/calcite vein sub parallel to c/a. 106.90 107.00m. No significant sulphides. < 0.1% Cu.	468018	102.13	105.2	156	
107.00 – 114.20		cg. granodiorite, greenish, very broken, ground core to 111.00m. No visible sulphide mineralization. < 0.1% Cu.	468019 468020 468021	105.15 108.81 111.89	108.8 111.9 114.9	480 59 61	
114.20 – 119.50		as above, greenish, weakly altered, chloritization and epidote development in mafics. No significant sulphides. < 0.1% Cu.	468022 468023	114.9 117.95	118 121	253 52	
119.50 – 123.70		as above. End of Hole.	468024	120.99	123.7	56	

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star	Hole No.:	CS-04
Inclination:	-90	Azimuth:	Total Depth: 178 m.
Northing:	11081	Easting: 14402	Logged By: Nils v F.
Collar Elev. (m):	934	Core Size: NQ	Contractor: Britton Bros
			Date(s) Drilled: 10/7 - 10/10, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)
0.00 – 6.10		Overburden				
6.10 – 16.92		rubble, boulder cuttings, 12.06-16.92m. fg. equigranular grey/greenish volcanic, matrix fizzes weakly with HCl, magnetic, widely spaced diffuse calcite/qtz eyes or amygdyles. Possible andesite. No sulphides	468025	6.1	11.27	20
			468026	11.27	14.32	28
16.92 - 22.43		16.92-21.63m. as above, broken and more altered from 19.10-21.20m. followed by a bleached contact to 21.63m. –contact with dark grayish (mottled purple cast), bedded volcanic/sediment with carbonaceous partings, minor large angular fragments with equigranular matrix.	468027	14.32	17.34	27
			468028	17.34	19.81	16
			468029	19.81	22.43	64
22.43 -- 27.95		22.43-22.50m. dark carbonaceous bedded sediment coarsening over the last 0,5m. Contact with fg. altered, brecciated volcanic to 25.30m. Carbon rich sediment to 25.90m. Contact with altered fg., brecciated, sugary textured felsic volcanic? to the end of the interval.	468030	22.43	25.9	108
			468031	25.9	28.95	264
27.95 – 33.85		fg. equigranular felsic volcanic, light greenish cast, (chlorite/sericite), quartz rich, sugary texture, mafics indistinct and altered, evenly distributed. No sulphides	468032	28.95	32	145
33.85 – 39.00		33.85-36.90m. as above with the gradual emergence of fsp. phenos in altered gm. Gradual transition to porphyrytic granodiorite. The felsic volcanic/intrusive above may be a reaction zone with overlying sediments. 36.90-39.00m. hornblende/biotite? granodiorite, weakly altered, no epidote, magnetic, feldspars slightly waxy, but clear zoning apparent. Light greenish porphyry with a darker gm. Weakly disseminated pyrite. < 1% pyrite.	468033	32	35.05	106
			468034	35.05	38.09	165
39.00 – 45.00		as above, hnbl granodiorite, some fracturing and clay alteration of feldspars. No veining, weak diss. Pyrite with an occasional trace of cpy. < 1% pyrite, << 0.1% Cu.	468035	38.09	41.75	173
			468036	41.75	44.8	74
45.00 – 51.15		45.00-46.90m. as above, 46.90-47.65m. felsic dyke, feldspar porphyritic, tan, silicious, brecciated on lower contact, trace pyrite. 47.65-48.76m. gouge sub ll to c/a., carbonate vein. Variably altered hnbl granodiorite to 50.38m., repeat of felsic dyke from 50.38-51.15m. Diss. pyrite, trace of cpy. Note: the felsic intrusive may be due to silicification and not a different rock type. Contact is irregular. < 1% pyrite	468037	44.8	47.24	47
			468038	47.24	50.15	90
51.15 – 56.80		cg. hnbl granodiorite, short bleached sections where feldspars are altered adjacent to fractures. 55.90-56.20m. silicified zone, 56.70-56.80m. altered, silicified, pyritic zone (+5%). Diss. and fracture pyrite overall approx. 2%.	468039	50.15	53.64	142
			468040	53.64	56.8	131

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
56.80-62.50		fg., silicious, clay altered, pyritic acid volcanic. May be the original intrusive but highly silicified and pyritic. Estimat 5-10% pyrite.	468041	56.8	58.82	37	
			468042	58.82	61.87	48	
62.50 – 68.26		62.50-63.59m. as above, 63.69m. to end, breccia, felsic/mafic fragments or remnants,- chlorite, pyrite, carbonate veinlets. Gouge at 67.66m. 15° to c/a., sub ll pyrite/chlorite stringers. Estimate 5-10% pyrite	468043	61.87	63.09	92	
			468044	63.09	66.13	371	
68.26 - 73.93		variably altered and sheared intrusicve. Py chlor in shears, 40-50 degrees to Ca. v.f.g. diss py on fractures and in shears - slickensides.	468045	66.13	69.18	191	
			468046	69.18	72.23	153	
73.93 – 79.85		74.00m. –fractured, altered, calcite fill, pyritic, mafic volcanic, magnetic. 76.48-79.85m. highly silicified, crackled, rare remnants of original texture (hnbl granodiorite precursor) Estimate >5% pyrite.	468047	72.23	75.26	315	
			468048	75.26	78.3	247	
79.85 – 85.40		to 81.80m. blitzed granodiorite. 81.80m. altered porphyritic rhyolite. Ghost phenos in aphanitic silicious matrix. Diss, pyrite on fractures, light greenish colour. Estimate approx. 3% pyrite.	468050	81.4	84.4	127	
			468051	84.4	87.5	159	
85.40 – 90.80		porphyritic rhyolite, diss. pyrite and on fractures. Estimate >3% pyrite.	468052	87.5	90.5	147	
			468053	90.5	93.5	342	
			468054	93.5	96.6	169	
90.80 – 106.50		light grey porphyritic rhyolite, highly fracture, silicified breccia at 102.70-106.50m. Pyrite approx. 3%.	468055	96.6	99.7	164	
			468056	99.7	102.7	207	
			468057	102.7	105.7	224	
106.50 – 123.40		as above, silicified breccia to 112.56m. Contact a 25° c/a. sub rounded fragments to 116.10m. The entire three box interval is variably altered, with some fresh rhyolite to light greenish clay altered sections. Diss. pyrite and on fractures, some slickensides. Estimate > 3% pyrite.	468059	108.8	111.8	312	
			468060	111.8	114.9	155	
			468061	114.9	117.9	174	
123.40 – 129.10		as above	468062	117.9	120.9	376	
			468063	120.9	124	297	
			468064	124	127.1	180	
129.10 – 135.10		strongly altered, mafic volcanic, porphyritic (1mm) variably bleached, strongly crackled, with calcite infill. Pyrite> 3%.	468065	127.1	130.1	451	
			468066	130.1	133.4	645	
			468067	133.4	135.6	364	
135.10 – 140.81		as above, 140.50-140.81m. rubble and gouge. Pyrite 5-10 %.	468068	135.62	138.7	138	
			468069	138.67	141.7	368	
140.81 – 146.68		altered andesite to 144.76m. 144.76-147.00 highly altered brecciated zone, clay altered, chlorite and pyrite. Pyrite > 3%.	468070	141.72	144.2	197	
			468071	144.16	148.4	383	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
146.68 – 152.40		147.00m. possible volcanic fragmental, outlines of fragments visible or fiamme/ash, mafic volcanic. Pyrite > 3%.	468072	148.43	151.5	204	
152.40 – 158.19		mafic volcanic to end of interval. Pyrite >2%. Pyrite best developed in altered sectors.	468073 468074	151.47 154.52	154.5 157.6	264 213	
158.19 – 164.03		mafic volcanics to 162.94m. Contact zone between mafic and felsic volcanics, sub ll toc/a. both are altered but the contact is sharp. 162.94m. to end – rhyolite breccia, dark grey breccia filling colour due to vfg diss. of black mineral (pyrite or hematite?) Pyrite > 2%.	468075 468076	157.57 160.62	160.6 163.7	125 719	
164.03 – 169.76		rhyolite breccia to 168.00m. 168.00-169.70m. altered rhyolite, crackled, fracture pyrite. Altered rock is pale greenish. Pyrite > 2%.	468077 468078	163.66 166.71	166.7 169.8	180 162	
169.76 – 175.63		as above, moderately less altered, pyritic fractures have alteration halos up to 1cm wide (light greenish). Pyrite > 2%.	468079 468080	169.76 172.81	172.8 175.6	197 323	
175.63 – 178.00		altered, light greenish rhyolite, diss. and fracture controlled pyrite. Pyrite > 2%. End of Hole.	468081	175.63	178	281	
		Note: Pyrite content throughout the hole supports the targeted IP response.					

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star	Hole No.:	CS-05
Inclination:	-90	Azimuth:	Total Depth: 176.16 m.
Northing:	10963	Easting: 14002	Logged By: Nils v Fersen
Collar Elev. (m):	929	Core Size: NQ	Contractor: Britton Brothers
			Date(s) Drilled: 10/9 - 10/10, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
0.00 - 6.10		Overburden					
6.10 - 11.92		m.-cg. granodiorite, hnbl chloritized, some biotite, weak alteration, magnetic. 9.60-10.30m. bleached wall rock, 2.5cm calcite vein. 6.10-6.60m. weakly diss. cpy. associated with hornblende, hairline fractures with cpy and bornite. no significant sulphides in rest of interval.	468082	6.1	8.2	1240	
			468083	8.2	11.27	356	
11.92 - 17.37		as above, more pervasive chloritization, feldspars are sericitized, moderate intensity of calcite veining, moderately well fractured. No significant sulphides.	468084	11.27	14.32	106	
			468085	14.32	17.37	16	
17.37 - 23.15		altered, fractured granodiorite, crushed zone, calcite veinlets to20.20m. Fresher to end of box, hnbl, biotite partially chloritized. No visible sulphides.	468086	17.37	20.4	141	
			468087	20.4	23.5	189	
23.15 - 28.95		light greenish grey cg. granodiorite, well preserved hnbl laths, weak alteration. 23.65m. cpy/bornite vein (0.5cm) 45 to c/a. 27.50m. cpy/bornite veinlet, 28.10-28.55m. cpy/bornite vein, sub ll to c/a. Estimate approx. 0.2% Cu.	468088	23.5	26.51	1370	
			468089	26.51	29.6	354	
28.95 - 35.00		cg. granodiorite, variably chloritic, several qtz/calcite veinlets with slickensides and trace cpy/bn in veinlets. No significant sulphides in gm. Estimate < 0.1% Cu.	468090	29.6	32.61	157	
			468091	32.61	35.7	882	
35.00 - 40.20		as above to 35.70m. gradual increase in alteration, hornbl. preferably altered, biotite no change. Calcite/qtz veinlets, increased alteration of gm. and feldspar phenos to 38.20m. -qtz/calcite vein 3 cm, 50 to c/a. 38.9m. two py/cpy/bn stringers, 20 to c/a. No matrix sulphides. Estimate < 0.1 % Cu.	468092	35.7	38.7	401	
			468093	38.7	41.7	749	
40.20 - 45.80		cg. granodiorite, biotite, hnbl., light greenish groundmass, feldspars nearly fresh, moderate fracturing, thin calcite, chlorite veinlets, qtz/calcite veinlets sporadic, hematite and or chlorite on some fractures. Pyrite/bn and cpy stringers widely spaced, some sub ll to c/a. No disseminated sulphides in matrix. Estimate < 0.1% Cu.	468094	41.7	44.8	414	
45.80 - 51.44		as above, slightly fresher appearance mafics darker, distinct hnbl. laths.No matrix sulphides, widely spaced hairline fractures with cpy, assoc. with calcite and chlorite. Estimate < 0.1% Cu.	468095	44.8	47.9	247	
			468096	47.9	50.9	81	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
51.44 - 57.30		as above, 2-3 fractures with pyrite/cpy/bn through the interval. Estimate < 0.1% Cu.	468097	50.9	53.9	396	
			468098	53.9	56.9	10	
57.30 - 62.50		as above, no mineralization noted. Granodiorite becomes more altered, increase of calcite in fractures, mafics chloritized. Estimate < 0.1% Cu.	468099	56.9	60	94	
			468100	60	63	13	
62.50 - 67.97		as above, return to weakly altered granodiorite, calcite on fractures. No visible sulphides. Estimate < 0.1 % Cu.	468101	63	66.1	7	
67.97 - 73.75		as above, broken core to 69.40m., calcite fill on fractures. No visible sulphides. Estimate , 0.1% Cu.	468102	66.1	69.18	73	
			468103	69.18	72.23	199	
73.75 - 79.60		granodiorite as above, dark grey gm., light greenish feldspars, weakly altered rock, magnetic. Calcite vein ll to c/a. to 74.25m. calcite veinlets dominant. 3 hairline fractures with calcite/qtz/cpy. No matrix sulphides. Estimate < 0.1% Cu.	468104	72.23	76.8	226	
			468105	76.8	79.85	132	
79.60 - 85.64		as above, no visible suphides. < 0.1% Cu.	468106	79.85	82.6	420	
			468107	82.6	85.64	22	
85.64 - 91.20		finer frained ganodiorite, more mafic appearance due to smaller phenos, calcite and qtz/calcite veinlets, only two contain any cpy. No significant sulphides. Estimate < 0.1% Cu.	468108	85.64	89.9	518	
			468109	89.9	92.34	169	
91.20 - 96.62		cg. granodiorite, dark grey, light green speckles (phenos), epidote associated with mafics. Slight increase in fracture controlled cpy from 92.74-93.54m. 92.74-93.10 disseminated cpy locally approx. 0.5%. No matrix sulphides. Estimate > 0.2% Cu.	468110	92.34	94.78	984	
			468111	94.78	97.83	297	
96.62 - 102.46		as above, moderate calcite stringer development. One qtz/calcite/cpy/bn stringer at 97.89m. No significant sulphides. < 0.1 % Cu.	468112	97.83	100.9	361	
			468113	100.88	103.3	26	
102.46 - 108.46		as above, no mineralization. < 0.1% Cu.	468114	103.34	105.5	26	
			468115	105.45	108.5	72	
108.46 - 114.00		as above	468116	108.46	111.3	12	
			468117	111.25	114	26	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
114.00 - 119.85		as above, competent core, two small crush zones, weakly altered, no qtz veins, moderate calcite veinlets, sub ll to shallow angle to c/a. No mineralization. << 0.1% Cu.	468118 468119	114 117.9	117.9 120.9	116 163	
119.85 - 125.55		as above, qtz vein at 125.40-125.55m. clots of cpy, flakes of moly. No significant mineralization. < 0.1% Cu.	468120	120.9	124	167	
125.55 - 131.15		as above, 130.10m. to end - increasing alteration, pervasive light green, feldspars sericitized, carbonate veinlets 40 to c/a. Two veinlets with cpy, cpy/bn. No significant mineralization. < 0.1% Cu.	468121 468122	124 127.1	127.1 130.1	880 170	
131.15 - 136.80		alteration continues to 131.95m. decreasing gradually. 131.51m. to end cg. granodiorite, some fractures ll to c/a. 131.51m. cpy/bn veinlet, 133.60-133.80m. two fractures with cpy. No significant mineralization , 0.1% Cu.	468123 468124	130.1 133.2	133.2 136.2	746 403	
136.80 - 142.47		cg. granodiorite, hematite on fractures. 139.20m. to end extensive fracturing 15-20 to c/a., closely spaced, filled with calcite veinlets, two contain trace cpy. No other mineralization. < 0.1% Cu.	468125 468126	136.2 139.29	139.3 142.3	55 578	
142.47 - 148.40		as above, weakly altered, weakly fractured at 20 to c/a, no significant hematite on fractures, trace cpy in 2-3 fractures. < 0.1% Cu.	468127 468128	142.3 145.38	145.4 148.4	443 53	
148.40 - 154.00		as above. No visible mineralization. << 0.1% Cu.	468129 468130	148.43 151.5	151.5 154.5	34 13	
154.00 - 159.80		as above, shattered friable zones with powdery white calcite like soft mineral -gypsum? Incompetent core. No sulphides. << 0.1% Cu.	468131 468132	154.5 157.5	157.5 160.6	22 61	
159.80 - 165.42		as above, shattered, some hematite on fractures, no sulphides. << 0.1% Cu.	468133 468134	160.6 163.7	163.7 166.7	15 162	
165.42 - 169.27		as above, increasing fracturing, brecciation, calcite cement, gouge, sandy sections. Proximity to fault zone. No sulphides. << 0.1% Cu.	468135	166.7	169.8	355	
169.27 - 176.16		as above larger gouge intervals. Fault Zone. No mineralization. <<0.1% Cu. End of Hole	468136 468137	169.76 172.81	172.8 176.2	308 223	

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star		Hole No.: CS-06
Inclination:	-90	Azimuth:	Total Depth: 200.2 m
Northing:	10683	Easting: 14074	Logged By: Nils v Fersen
Collar Elev. (Ft):	874	Core Size: NQ	Contractor: Britton Brothers
			Date(s) Drilled: 10/10 - 10/12, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)
0.00 - 6.10		Overburden				
6.10 - 11.81		porphyritic granodiorite, dark grey/greenish speckled, magnetic, competent core, few fractures, feldspars soft (Near surface). 8.30-8.95m. trace cpy/bn in 1cm qtz vein ll to c/a. 10.20-11.81m. hairline stringers and narrow veinlets ll and sub ll to c/a. with cpy/bn. No matrix sulphides. Estimate 0.2% Cu.	468138	6.04	9.14	1456
			468139	9.14	12.19	2266
11.81 - 17.61		granodiorite, minor carbonate veinlets with chloritic selvages. 13.50-14.80m. hairline fracture ll c/a with cpy. No matrix sulphides. Estimate, 0.2% Cu.	468140	12.19	15.23	704
			468141	15.23	18.2	82
17.61 - 23.16		cg. porpyritic granodiorite, sparse calcite chlorite veinlets mafics chloritized, trace epidote. Trace cpy associated with hairline calcite chlorite stringers. Estimate < 0.1% Cu.	468142	18.2	20.11	296
			468143	20.11	23.16	68
23.16 - 29.05		cg. porphyritic hnbl.,biotite, granodiorite, fracture fill is calcite/qtz/ chlorite, several fractures with cpy. No matrix sulphides. < 0.1%Cu.	468144	23.16	25	282
			468145	25	28	92
			468146	28	29.26	148
29.05 - 34.72		as above, few fractures or veinlets, trace py/cpy in hairline stringers sub ll to c/a. and several thin carbonate/qtz/chlorite veinlets. No matrix sulphides. Estim. < 0.1% Cu.	468147	29.26	31.76	421
			468148	31.76	34.14	298
34.72 - 40.30		as above, trace py/cpy on fractures. No disseminated sulphides. < 0.1% Cu	468149	34.14	37.18	71
			468150	37.18	39.93	79
40.30 - 45.55		as above, some pink Kspar or hematite stained feldspar on margins of fractures. Trace py/cpy on fractures and in narrow calcite/qtz veinlets, ll and shallow angle to c/a. < 0.1% Cu.	468151	39.93	41.45	1949
			468152	41.45	44.5	278
45.55 - 51.19		as above, 45.55-47.85m. three fractures ll to c/a. with cpy/py. 47.85-51.19m. several qtz/calcite veinlets with py/cpy, cpy also in silicified wall rock ll c/a. Estimate 0.15% Cu.	468153	44.5	47.85	865
			468154	47.85	50.19	2873

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
51.19 - 56.20		cg. hnbl/biotite granodiorite, weakly altered magnetic, moderate fracturing, few veinlets. Trace cpy on fractures, hematite common. Some fratures ll to c/a. < 0.1% Cu.	468155	50.19	53.95	225	
			468156	53.95	56.2	33	
56.20 - 62.00		as above, increasing fracture density at high angle to core axis, with feldspar bleaching along fracture envelopes. Trace cpy on a few fractures. < 0.1% Cu.	468157	56.2	60.04	116	
			468158	60.04	63.09	205	
62.00 - 67.74		granodiorite, highly fractured. Fault Zone - gouge and highly crushed rock from 65.14-66.54m. Increased calcite cement. No significant mineralization. < 0.1% Cu.	468159	63.09	66.14	232	
67.74 - 73.50		as above, increased calcite veining in footwall, hematite gives a pink colour to calcite, network of fractures sub ll to c/a. Trace cpy on fractures with calcite/qtz. < 0.1% Cu.	468160	66.14	69.19	417	
			468161	69.19	72.23	130	
73.50 - 79.05		as above, well fractured, calcite (pinkish), trace cpy on some fractures. < 0.1% Cu.	468162	72.23	75.28	159	
			468163	75.28	78.33	44	
79.05 - 84.72		79.05-81.40m. broken core, 1cm calcite vein ll c/a. over 1m. no sulphides, small fault 81.00-81.35m., 81.40-82.10m. silicification/chlorite/calcite. 82.10-84.72m. more general chloritization of mafics, indistinct feldspar boundaries. No pink calcite. No significant sulphides. < 0.1% Cu.	468164	78.33	81.4	423	
			468165	81.4	84.4	71	
84.72 - 90.50		matrix chloritization, feldspars partially sericitized, sections of silica flooding and Kspar development over 5-10 cm. from 84.72-86.40m. Gradual return of porphyritic texture and pink calcite veinlets at 70-90° to c/a.down-hole. Trace cpy on fracture. < 0.1% Cu.	468166	84.4	87.5	166	
			468167	87.5	90.5	18	
90.50 - 96.20		as above, pink calcite(qtz) veinlets, hematite stain. Some areas appear to be pink Kspar but may be due to hematite staining. Core well fractured. Trace cpy with fractures. < 0.1% Cu.	468168	90.5	93.6	78	
			468169	93.6	96.6	70	
96.20 - 101.40		as above, highly fractured and altered, brecciated, calcite cement. Fault Zone 99.60-100.80m. pink calcite, qtz veining, trace cpy. < 0.1% Cu.	468170	96.6	99.6	620	
			468171	99.6	102.7	132	
101.40 - 107.00		cg. granodiorite, strongly fractured, less altered, pervasive fracturing ll c/a., pink calcite fill. Trace cpy on fractures. < 0.1% Cu.	468172	102.7	105.7	466	
			468173	105.7	107.6	301	
107.00 - 113.08		as above. < 0.1% Cu.	468174	107.58	110	25	
			468175	110.03	113.1	31	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
113.08 - 118.14		cg. granodiorite, matrix weakly altered, abundant calcite and hematite fracture fill and in narrow veinlets 20-45° to c/a. Rare cpy associated with calcite/qtz veinlets.	468176	113.08	115.8	92	
			468177	115.81	118.1	523	
118.14 - 123.58		as above, fracture density decreasing, trace cpy on fractures and veinlets. < 0.1% Cu.	468178	118.14	120.3	1078	
			468179	120.34	123.1	16	
123.58 - 129.06		as above	468180	123.13	126.2	1129	
			468181	126.18	129.2	66	
129.06 - 134.42		as above	468182	129.22	132.3	21	
			468183	132.27	135.3	846	
134.42 - 140.00		well fractured, calcite fill, 50-90° to and ll to c/a. Bleached envelopes of wall rock adjacent to fractures and veinlets. slight increase in chlorite and hematite. Trace cpy on fractures. < 0.1% Cu.	468184	135.32	138.4	52	
			468185	138.37	141.4	978	
140.00 - 145.55		as above, trace cpy in calcite veinlets sub ll c/a. < 0.1% Cu.	468186	141.42	144.5	482	
145.55 - 151.16		as above, trace cpy on fractures, matrix only weakly altered. < 0.1% Cu.	468187	144.46	147.5	208	
			468188	147.51	150.6	279	
151.16 - 156.86		as above	468189	150.56	153	24	
			468190	153	157	479	
156.86 - 161.64		as above, decrease in calcite vein and fracture fill, several calcite veins ll to c/a. no significant sulphide. < 0.1 % Cu.	468191	156.96	159.1	107	
			468192	159.09	161.8	18	
161.64 - 167.82		as above, return to well fractured, almost crackle breccia, calcite fill. << 0.1% Cu.	468193	161.84	164.9	27	
			468194	164.88	167.3	16	
167.82 - 173.00		as above	468195	167.32	169.8	26	
			468196	169.76	172.8	36	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
173.00 - 178.80		as above, 175.87m. increase in chlorite alteration of matrix and chlorite on fractures. Tan coloured feldspars, Kspar on some fracture margins. << 0.1% Cu.	468197 468198	172.8 175.86	175.9 178.9	33 39	
178.80 - 184.80		as above to 180.00m. 180.00-182.57m. strongly chloritized/sericite altered section, pervasive feldspar alteration. 182.57 to end several short sections of similar alteration. no visible sulphides. << 0.1% Cu.	468199 468200	178.9 181.9	181.9 185.1	114 31	
184.80 - 188.85		cg. granodiorite, weakly altered,, cut by a network of calcite veinlets filling fractures, some thicker calcite veinlets sub ll to c/a. Hematite on fractures. No sulphides. << 0.1% Cu.	468201	185.1	188.9	120	
188.85 - 196.20		as above	468202 468203 468204	188.85 192 194.1	192 194.1 197.2	120 29 64	
196.20 - 200.20		as above, cg.granodiorite, weak alteration, moderate calcite in fractures and veinlets. Trace cpy. < 0.1% Cu. End Of Hole	468205	197.2	200.2	78	
		Note: Calcite and chlorite on fractures and as veinlet selvages commonly fround throughout the hole. Calcite is frequently accompanied by a white, soft mineral which does not react to HCl, thought to be gypsum. The amount of sulphide encountered in the hole may be marginally sufficient to explain the chargeability response targeted.					

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star			Hole No.:	CS-07
Inclination:	-65	Azimuth:	150	Logged By:	Nils v F.
Northing:	10876	Easting:	13800	Contractor:	Britton Bros.
Collar Elev. (m):	880	Core Size:	NQ	Date(s) Drilled:	10/12 - 10/15, 2001

Total Depth: 200.8 m.

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)
0.00 – 28.04		Overburden				
28.04 – 35.00		rubble near top, highly fractured, silicified, fg. mafic volcanics, magnetic, epidote, mottled core - lighter greenish silicified areas and dark green chlorite dominant zones. Pyritic-disseminated as well as on fractures, cpy disseminated and in hairline stringers, more noticeable in the top half of the interval. Py > cpy. Estimate up to *10% total sulphide, > 0.2% Cu.*	468301 468302	28.04 33.2	33.2 36.3	6579 329
35.00 – 41.20		mafic volcanic to 35.30m. 35.30-39.00m. cg. hnbl. granodiorite dyke, 39.00-41.20m. mafic volcanic, calcite filled fractures, little pyrite disseminated, some in fractures, no significant cpy. Esimate 2% pyrite.	468303 468304	36.3 39.3	39.3 42.3	58 273
41.20 – 50.00		aphanitic mafic volcanic, very broken, ground pebbles. Fault between 42.60-44.90m. Local cpy. 49.10-49.40m. banded qtz/calcite/cpy vein. Estimate < 0.1% Cu.	468305 468306 468307	42.3 45.4 47.5	45.4 47.5 50.59	112 45 11700
50.00 – 56.27		highly fractured volcanic, calcite on fractures, weak disseminated pyrite, several very narrow veinlets/alteration bands with cpy . Estimate < 0.1% Cu.	468308 468309	50.59 53.33	53.33 55.47	431 367
56.27 – 62.00		mafic volcanic to 58.43m. Contact with cg. granodiorite. Contact zone altered, calcite, chlorite, hematite, anastomosing veinlets, 10-40° to c/a. Well fractured to end of interval. 58.51-62.00m. six qtz/calcite/cpy(MoS2) stringers and veinlets. Estimate 0.2-0.25% Cu.	468310 468311 468312	55.47 58.51 60.04	58.51 60.04 63.09	516 1495 3313
62.00 – 67.53		granodiorite, altered as above, 62.00-64.90m.qtz/calcite/cpy(MoS2) veinlets 40-45° to c/a. 64.90m. to end of run, weakly altered granodiorite. 66.90m. qtz/calcite/cpy vein, blebs of cpy. Estimate >0.3% Cu.	468313	63.09	66.13	2783
67.53 – 73.10		cg. granodiorite, chloritized mafics, weakly altered feldspars. Qtz/carbonate veinlets, 15 over the interval contain cpy, average 1-3mm. in thickness. Estimate 0.1-0.2% Cu.	468314 468315	66.13 69.18	69.18 72.13	927 1260
73.10 – 79.18		as above, weak cpy in qtz/calcite veinlets and hairline fractures throughout interval. Estimate 0.1-0.2% Cu.	468316 468317 468318	72.13 74.36 77.11	74.36 77.11 78.93	3022 3477 1872

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
79.18 – 84.23		cg. granodiorite, weak alteration of hnbl, biotite, and feldspars, no epidote, calcite veinlets. Cpy. and trace MoS2 on fractures and in narrow qtz veinlets, the interval hosts 16 veinlets, 15-25° to c/a. 82.90m. to end increasing alteration of mafics and silicification. Estimate 0.3% Cu.	468319 468320 468321	78.93 80.76 82.9	80.76 82.9 85.97	8084 2985 2118	
84.23 – 89.76		cg. granodiorite, altered to 84.91m. 84.91-86.86m. altered mafic volcanic dyke, magnetite on fractures, fg. pyrite and cpy disseminated, and on fractures. 86.86-89.76m. altered granodiorite, chloritized mafics, soft feldspars, pink Kspar patches. 88.70-88.76m. qtz vein with massive clots of cpy. Estimate 0.3% Cu	468322 468323	85.97 86.86	86.86 89.6	1546 749	
89.76 – 94.70		rhyolite to 92.04m. crackle breccia, calcite/gypsum on fractures, trace cpy, sparse disseminated pyrite and on fractures. 92.04-92.74m. altered mafic volcanic, fg. diss. py/cpy and on fractures. 92.74-93.56m. rhyolite. 93.56-94.70m. altered mafic volvanic, magnetic, diss. and fracture controlled py/cpy. Estimate 0.2% Cu.	468324 468325	89.6 92.04	92.04 93.56	6706 1385	
94.70 – 100.30		rhyolite –crackle breccia to 98.44m., altered gdiorite to 99.44m. 99.40-end of interval - small silicified contact zone then rhyolite. All rocks are strongly fractured, calcite fills fractures, qtz/calcite veinlets in intusive, chloritized mafics. Disseminated pyrite/cpy in all thee sectors (least in gdiorite), qtz/calcite/cpy trace(MoS2). Estimate 0.3% Cu.	468326 468327 468328	93.56 95.7 98.14	95.7 98.14 101.2	1101 3227 4376	
100.30 – 106.20		rhyolite – variably altered, light brownish to grey, aphanitic, crackle breccia, calcite filled fractures, rare mafic clots. Disseminated cpy/py, as well as qtz/cpy veinlets. Estimate 0.3% Cu.	468329 468330 468331	101.18 103.32 104.85	103.3 104.9 106.4	2321 2734 1927	
106.2 – 109.42		as above, highly fragmented, calcite fracture fill. Disseminated and fracture controlled py/cpy, trace of MoS2. Estimate 0.2-0.3% Cu.	468332	106.37	109.4	1581	
109.42 – 115.70		rhyolite to 109.98m. 109.98-110.88m. cg. gdiorite, no thermal effects, weakly altered, contact sharp, - inclusion in rhyolite. 112.67m. -15cm clast of gdiorite. Brecciated, re-silicified rhyolite to 115.00m. Cg. granodiorite clast to 115.50m. Fracturing sub ll and low angle to c/a., fracture controlled cpy, trace moly, disseminated py>>cpy. Estimate 0.2-0.3% Cu. Likely close to contact with main granodiorite, rhyolite is chemically affected, darker, some magnetic/chloritic clots.	468333 468334	109.42 112.42	112.4 115.5	1905 6134	
115.70 – 121.40		Contact Zone – brecciated rhyolite at top of interval, very chloritic, silicified, magnetic, mottled green/grayish core to 118.50m. Contact with altered (chloritized, scicitized) granodiorite – becomes completely altered light green/brownish, non magnetic, silicified. Disseminated cpy to 118.60m. Low grade 118.60 to end. Estimate > 0.4% Cu. To 118.60m.	468335 468336	115.5 118.5	118.5 121.6	7216 1683	
121.40 – 127.10		cg. granodiorite – variably altered, qtz/cpy, trace moly in stringers and narrow veinlets, silicification of immediate wallrock, with pink Kspar on occasion, cross-cutting, later set of calcite veinlets, not significantly mineralized, but tend to have wider alteration selvages. Gradual increase in chloritization of mafics 126.20 to end. Well distributed qtz/cpy(Mo) stringers, every 25-30 cm, 20-30° to c/a. Trace disseminated cpy in mafics. Estimate 0.2-0.3% Cu.	468337 468338	121.6 124.6	124.6 127.7	1311 1674	
127.10 – 132.50		as above, light greenish/grey, texture generally preserved, feldspars partly clay, mafics to chlorite, magnetite to hematite. Increased calcite veining which appears to be later than qtz/calcite/cpy stringers, although some contain trace cpy on margins. Estimate 0.2% CU.	468339 468340	127.7 130.7	130.7 133.8	576 1405	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
132.50 – 138.68		granodiorite, weak to moderate alteration, some local silicification and Kspar development in wall rock. Reduced calcite veining. Qtz/calcite/cpy(Mo) in narrow veinlets and on fractures, widely spaced all at low angles to core axis. Estimate 0.2% Cu.	468341	133.8	136.9	560	
			468342	136.85	139.9	2763	
138.68 – 144.00		altered granodiorite to 142.23m. Contact with rhyolite, silicified granodiorite for 30 cm. Rhyolite to 143.68m. 143.68-144.00m. altered granodiorite. Rhyolite is highly fractured, disseminated and fracture controlled pyrite and cpy. Estimate < 0.2% Cu.	468343	139.89	142.3	2254	
			468344	142.33	143	1173	
			468345	142.95	146	1418	
144.00 – 149.70		cg. granodiorite weak-moderately altered, calcite filled fractures and veinlets. 145.77-146.67m. –chloritic, foliated shear, footwall more broken, pink calcite(hem) veinlets, some sub ll to core axis. Weak cpy in fractures and stringers. Estimate <0.1% Cu.	468346	146	149	426	
149.70 – 155.28		biotite hnbl granodiorite, weakly altered, calcite veining as above. Cpy weakly distributed in hairline fractures and sparse stringers 25-30° to c/a. Estimate < 0.1% Cu.	468347	149.03	152.1	269	
			468348	152.09	154.5	1058	
155.28 – 160.80		as above, greenish/grey, light greenish speckles (fsp), magnetic, biotite, hnbl. Well fractured with calcite fill and veinlets, some ll to c/a. qtz/calcite/cpy on fractures, and some stringers ll to c/a. 158.50m. 3cm qtz vein with 1.5 cm massive cpy. 20° to c/a. Estimate 0.1% Cu.	468349	154.53	156.7	1087	
			468350	156.67	160.4	9048	
160.80 – 165.80		as above, considerable fracturing sub ll/ll to c/a. hairline stringers of cpy with similar orientation. Several late?, qtz/calcite veins (1-2 cm) 10-15° to c/a. Estimate 0.1% Cu.	468351	160.35	163.4	4140	
			468352	163.36	164.9	1469	
165.80 – 171.69		weakly altered hnbl, biotite, granodiorite – hnbl chloritic. 170.36m. 2 cm quartz vein with large cpy clots and moly at 15-20° to c/a. No significant stringers or veinlets with cpy. Estimate < 0.1 % Cu.	468353	164.89	167.9	457	
			468354	167.93	169.8	1192	
			468355	169.76	170.4	3874	
171.69 – 176.97		as above, moderately altered, some chloritic, pink calcite veinlets, hematite stained feldspars, core well fractured. Sparse hairline stringers of cpy. Estimate < 0.1% Cu.	468356	170.38	173.4	351	
			468357	173.42	176.5	536	
176.97 – 182.75		as above, no significant sulphides. Estimate < 0.1% Cu.	468358	176.47	178.9	32	
			468359	178.91	182.6	184	
182.75 – 188.00		moderately to well altered granodiorite, strongly calcite veined, small healed crackle breccia zones, mottled greenish, pink, white. No significant sulphides. Estimate < 0.1% Cu.	468360	182.57	185.6	299	
			468361	185.61	188.4	211	
188.00 – 193.44		continued strong calcite veining, mafic mineral component higher in intrusive, zoned feldspars, ragged crystal shapes, pink in areas of calcite veining. Well fractured interval. No significant sulphides. Estimate << 0.1% Cu.	468362	188.35	191	117	
			468363	190.99	193.5	320	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
193.44 – 197.90		as above. Estimate << 0.1% Cu.	468364 468365	193.5 196.5	196.5 197.8	151 224	
197.90 – 200.80		as above, altered granodiorite, chlorite veinlets, pink feldspar, mafics variably chlorite altered. Reduced calcite veining, trace cpy in several hairline fractures with shallow angle to core axis. Estimate < 0.1 % Cu. End of Hole.	468366	197.81	200.8	422	

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star			Hole No.:	CS-08
Inclination:	-60	Azimuth:	30	Total Depth: 198.71 m.	Logged By: Nils v F
Northing:	10405	Easting:	13798		Contractor: Britton Bros.
Collar Elev. (m):	857	Core Size:	NQ		Date(s) Drilled: 10/15 - 10/18, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
0.00 – 9.14		Overburden					
9.14 – 28.00		fine grained- aphanitic mafic volcanic, magnetic, fractured with calcite fill, some epidote associated with qtz/calcite veinlets. The interval is essentially rubble and ground pebbles. Pyrite on fracture planes and in veinlets. Pyrite approx. 2%.	468367 468368 468369	9.14 13.41 16.71	13.41 16.71 22.24	77 16 13	
28.00 – 32.91		as above to 29.35m. contact with shattered rhyolite to end of interval. Trace cpy, pyrite on fractures and minor disseminations. Pyrite 2%.	468370 468371 468372	22.24 24.38 27.43	24.38 27.43 28.7	60 666 176	
32.91 – 42.00		contact at 32.95m. with fg-aphanitic mafic volcanic, propylitic alteration, epidote in sporadic patches, calcite on fractures with hematite seams, magnetic. Highly fractured/broken core, some small gouge zones. Pyritic on fractures, trace cpy. Pyrite 2-3%.	468373 468374 468375	28.7 29.57 31.39	29.57 31.39 32.91	504 146 95	
42.00 – 48.35		very broken interval, intense fracture zone/fault, as above mafic volcanic (fragmental). Ground core 46.02-46.60m. Pyrite replacing matrix material and on fractures. Pyrite 2-3%.	468376 468377 468378	32.91 36.26 40.3	36.26 40.3 42.97	446 1352 73	
48.35 – 53.80		fragmental mafic volcanic, altered, fg, purplish/green cast, fragments more visible when altered. Network of fractures cemented with calcite that cut earlier pyritic veinlets. Pyrite replaces mafics and occurs on fractures. Pyrite 2-3%.	468379 468380 468381	42.97 46.09 49.25	46.09 49.25 53.8	88 1051 217	
53.80 – 59.80		as above, increasing alteration of groundmass, chlorite, magnetite destruction, intensely calcite veined, light greenish to 55.80m. Returning to more moderate vein density down-hole. Pyrite veinlets with silicious selvages, and silicification of wall rock. Pyrite 2-3%.	468382 468383	53.8 56.99	56.99 60.06	96 95	
59.80 – 65.30		fg, silicified fragmental/flow mafic volcanic, pyrite on fractures, quartz veinlets and silica flooding of wall rock with pyrite replacement of mafics. Pyrite 2-3%.	468384 468385	60.06 63.09	63.09 66.46	75 81	
65.30 – 73.12		as above. Pyrite 2-3%.	468386 468387	66.46 70.1	70.1 73.75	69 244	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
73.12 – 79.44		silicified mafic volcanic to 75.27m. Shattered rhyolite to end. Very broken core, fault zone 77.71m to end. Pyrite 1%.	468388	73.75	77.11	52	
			468389	77.11	79.24	5	
79.44 – 85.15		79.44-81.68m. fault zone, finely crushed rhyolite. 81.68m. to end mafic volcanic, strongly fractured, calcite cemented. Pyrite 1%.	468390	79.24	81.68	32	
			468391	81.68	84.45	86	
85.15 – 90.60		shattered, calcite veined mafic volcanic, pyrite on fractures and as minor disseminations in mafics. Pyrite 2-3%.	468392	84.45	87.5	58	
			468393	87.5	90.5	169	
90.60 – 96.70		as above, fault zone 90.60-92.00m. 93.60-94.60m fault zone. Pyrite 2-3%.	468394	90.5	93.6	444	
			468395	93.6	96.6	134	
96.70 – 104.00		fg-aphanitic dark greenish grey, magnetic, flow/fragmental, matrix some epidote, highly fractured, several short intervals with gouge. Pyrite on fractures, sporadic disseminated pyrite replacing mafics. Pyrite approx 3%.	468396	96.6	99.7	86	
			468397	99.7	102.7	396	
			468398	102.7	105.8	656	
104.00 – 109.00		as above, calcite and pyrite on fractures, some more silicified short intervals with matrix replacement by pyrite. Pyrite 3%.	468399	105.8	108.8	370	
109.00 – 115.5		increased pyrite cement and veinlets, sheared and brecciated interval. Pyrite/hematite on fractures and in veinlets, disseminated pyrite as replacement of mafics. Pyrite 2-3%.	468400	108.8	111.9	195	
			468401	111.9	114.9	124	
115.50 – 120.10		as above, 117.90 to end – rubble, angular fragments, calcite on fractures. Pyrite 2-3%.	468402	114.9	117.9	109	
			468403	117.9	121	159	
120.10 – 125.10		as above, shattered and crushed mafic fragmenta/flow. Pyrite 2-3%.	468404	121.03	124	158	
125.10 – 130.18		as above, gouge sub ll to c/a. 128.50-129.40m. intensely crushed to end. 2-3% pyrite.	468405	124	127	232	
			468406	127	130.1	242	
130.18 – 135.90		Fault Zone to 131.50m, strongly fractured mafic fragmental, as above. 2-3% pyrite.	468407	130.1	133.2	268	
			468408	133.23	136.3	203	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
135.90 – 141.00		more competent mafic fragmental, local silicification, fracture controlled and disseminated pyrite repl mafics. 2-3% pyrite.	468409	136.28	139.3	221	
			468410	139.32	142.3	366	
141.00 – 145.20		145.40m rhyolite/mafic volcanic contact zone, silicified contact, breccia fragments of silic. Mafic volc. in rhyolite. Rhyolite to end. Pyrite disseminated in cloudy mafic spots and on fractures. 2-3% pyrite.	468411	142.33	145.4	193	
145.20 – 150.65		rhyolite to 147.65m contact zone with mafic volcanic, fragments of rhyolite in base of mafic volcanic. Pyrite on fractures with calcite and silicified sections with matrix pyrite. 2% pyrite.	468412	145.4	148.4	88	
			468413	148.4	150.7	241	
150.65 – 161.30		mafic volc to 160.80m – contact with rhyolite, fragments of rhyolite in m.volc. Hairline stringers and fractures in mafic volc. ll to c/a. 160.80-161.30m rhyolite. Pyrite 3%.	468414	150.65	153	354	
			468415	153	156	949	
			468416	156.04	159.1	416	
161.30 – 166.31		rhyolite to 162.14m – tan colour, very silicious,pyrite on fractures, minor disseminated pyrite. 162.14-166.31m – fragmental mafic volcanic, silicified, rhyolite fragments in mafic volc. Pyrite on fractures, qtz/py veinlets have silicious selvages. 3% pyrite.	468417	159.09	162.1	896	
			468418	162.1	165.3	743	
166.31 – 171.90		mafic fragmental, magnetic, pyrite on fractures, moderate calcite fill in local areas, qtz/py veinlets with alteration halos (silicfcn and chlorite). Entrained rhyolite fragments. 3% pyrite.	468419	165.31	169.3	414	
			468420	169.3	172.9	523	
170.90 – 176.86		as above, large sub-angular rhyolite fragments (2-10 cm) scattered throughout the interval, several short local silicified sections. Low density of calcite veining, hematite on fractures. Pyrite veinlets/fractures approx. 5-30° to c/a. 3% pyrite.	468421	172.89	175.9	370	
			468422	175.86	177.7	547	
176.86 – 181.70		as above, mafic volcanics. 179.92m to end – rhyolite. Pyrite on fractures. 2% pyrite.	468423	177.68	180.8	307	
181.70 – 186.15		rhyolite to 183.70m. highly fractured with some pyrite on fractures. 183.70m to end mafic volcanics, increased calcite veining, strong multi-directional fracturing, trace hematite and pyrite, pyrite veinlets. 3% pyrite.	468424	180.78	183.7	49	
			468425	183.7	186.2	387	
186.15 – 191.40		mafic volcanics, as above, silicious, aphanitic flow, absence of fragments. Pyrite in fractures and veinlets. 3% pyrite.	468426	186.15	188.1	196	
			468427	188.1	191.1	213	
191.40 – 198.71		mafic volcanics, as above, magnetic, some rhyolite clasts. Pyrite on fractures and in veinlets. 3% pyrite. End of Hole.	468428	191.1	194.1	250	
			468429	194.1	198.7	333	

No significant chalcopyrite noted throughout this hole. The hole was drilled through a highly fractured and faulted area with some rapid lithology changes ie. Mafic and felsic volcanics intruding each other and granodiorite. The strong fracturing and pyrite content adequately explain the chargeability high targeted by this hole.

Doublestar Resources Ltd.

Core Log Data Sheet

Project:	Copper Star	Hole No.:	CS-09
Inclination:	-90	Azimuth:	Total Depth: 197.2 m.
Northing:	10439	Easting: 14051	Logged By: Nils v F.
Collar Elev. (m):	852	Core Size: NQ	Contractor: Britton Bros
			Date(s) Drilled: 10/18 - 10/19, 2001

Footage (metres)	Core Recovery %	Description	Sample	From	To	Cu (ppm)
0.00 - 15.24		Overburden				
15.24 – 20.50		15.24-15.54m - tan, fine grained felsic volcanic with small amygdules/qtz eyes? 15.54-18.54m, muddy graphitic or tuffaceous sediment, black to mottled, weakly bedded/layered, rounded fragments. 18.54-20.50m felsic volcanic, fg. silicious, appears completely altered, sporadic clots of pyrite, brecciated contact, light cream/tan colour, no mafics remain.	468206 468207	15.24 17.5	17.5 20.5	32 78
20.50 – 26.20		vfg. altered felsic volcanic, equigranular, tan, less silicious to 21.68m. Contact more silicified over 10 cm. Sharp contact with graphitic sediments, fine grained, mottled black/grey, some small sections with 1-2mm rounded grains.	468208 468209	20.5 21.94	21.94 24.99	65 30
26.20 – 32.28		sediment to 26.80m. Sharp contact with felsic volcanic as above, approx. 1.0m of silicified altered volc. to 28.04m followed by equigranular fg. felsic volcanic with sparse local amygdules?. Magnetic, under 20x appears similar in composition to granodiorite, interlocking feldspar, quartz, hornblende laths. No sulphides.	468210 468211	24.99 28.04	28.04 31.08	64 28
32.28 – 37.72		as above to 35.75m. -footwall of felsic volc. fg-aphanitic is, vesicular, very sharp contact. Contact with black carbonaceous sediment, almost coal, to 36.28m. Followed by return to felsic volcanic to end of interval. No significant sulphides.	468212 468213	31.08 34.13	34.13 37.13	27 67
37.72 – 43.47		felsic volcanics, grayish/cream, calcite in sparse amygdules, variably altered, magnetic in fresher sectors, trace pyrite in altered zones. 43.27m contact with sediments.	468214 468215	37.13 40.22	40.22 43.27	54 56
43.47 – 49.22		sediments to 44.06m mixed shale/fine sand. 44.06-44.76m altered felsic volcanic. 44.76-45.93m sediments as above, coarsening downward, with pebbles and cobbles at the base. 45.93m - altered fg. volcanic, mottled greenish/grey, non-magnetic, feldspars and mafics variably altered to clay and chlorite. 47.62m grading into intensely bleached qtz/clay section, white/grey, fg. with pyrite clots and disseminations. 2-3% pyrite.	468216 468217	43.27 46.32	46.32 49.37	71 112
49.27 – 55.12		intensely altered as above, groundmass has clay altered acicular remnants (needles) of amphibole. Pyrite in clots, disseminated, and on fractures, accompanied by grey silica flooding. 3-5% pyrite.	468218 468219	49.37 52.42	52.42 55.47	107 634
55.12 – 60.85		as above, slight increase of pyrite. 5-7% pyrite.	468220 468221	55.47 58.51	58.51 61.56	272 761

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
60.85 – 66.86		strongly altered fg. felsic volcanic as described above. Disseminated pyrite in matrix, in silicified clots, and on fractures. Pyrite accompanied by silica. Core variably silicified over 1.0m sections. Pyrite veinlets 20° to c/a. Approx. 10% pyrite.	468222	61.56	64.61	276	
			468223	64.61	67.6	162	
66.86 – 72.90		as above, almost entire interval strongly silicified (rhyolitic?) cut by pyrite/silica veining 20° to c/a. grades back to less altered felsic volcanic at 72.30m with acicular amphibole remnants. Disseminated and veinlet pyrite. 5-7% pyrite.	468224	67.6	70.1	373	
			468225	70.1	73.19	583	
72.90 – 78.84		moderately altered felsic volcanic, f-mg. –acicular amphibole needles (hnbl?) high % disseminated pyrite. 77.59m – transition to strongly silicified, intensely altered zone to end. 8-10% pyrite.	468226	73.19	76.19	1258	
			468227	76.19	79.24	553	
78.84 – 84.42		silicified to 79.00m strongly altered felsic volcanic, very pyritic, disseminated and veinlets, several 0.5-1.0m sections silicified with lower pyrite content, trace cpy. Approx. 10 % pyrite.	468228	79.24	82.29	502	
			468229	82.29	84.42	623	
84.42 – 90.22		coarser, less altered felsic volcanic, larger needles of amphibole in a qtz/feldspar groundmass, amph. chloritic, to 85.22m. Remainder of interval finer grained, but same texture. Disseminated and fracture controlled pyrite. Approx. 10% pyrite.	468230	84.42	87.47	789	
			468231	87.47	90.52	442	
90.22 – 96.06		as above, silicified 93.26-93.86m variably altered, variable size of amphibole needles. Weak pyrite veinlet development, strong pyrite as disseminations in groundmass, weak calcite veining. 10% pyrite.	468232	90.52	93.56	302	
			468233	93.56	96.61	218	
96.06 – 101.70		*altered felsic volcanic, intensely silicified 96.31-97.71m, disseminated matrix pyrite, in veinlets and on fractures,* late calcite veinlets weakly developed. Return of intense silicification 100.80m to end. 5-8% pyrite.	468234	96.61	99.66	112	
			468235	99.66	102.7	260	
101.70 – 107.16		continues to 104.21m. Clay alteration to 106.36m. – white vein filling, non reactive to HCl may be gypsum. *Silicification tends to overprint earlier pyrite resulting in a reduction and a diffuse fine grained pyrite appearance.* In the clay altered zone pyrite/qtz veinlets are distinct. Approx. 5% pyrite.	468236	102.71	105.8	139	
			468237	105.76	108.8	142	
107.16 – 113.11		variably silicified felsic volcanic, with randomly oriented amphibole laths. Disseminated pyrite, pyrite veinlets 15 *25° to c/a. trace of cpy.* 7% pyrite.	468238	108.8	111.9	80	
			468239	111.85	114.9	328	
113.11 – 118.70		as above, fractured contact at 113.74m with intensely silicified felsic volcanic continuous through the interval. Disseminated pyrite plus veinlet and fracture controlled pyrite. 7-10% pyrite.	468240	114.9	118	351	
			468241	117.95	120.9	381	
118.70 – 124.65		variably altered/silicified felsic volcanic – ranges from moderate alteration of mafic laths to obliterated feldspars. Silicified rock is greenish/tan gradual transition zones due to silica flooding. Lower pyrite in silicified sectors, higher in less altered sections. Approx. 8% pyrite.	468242	120.94	124	446	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
124.65 – 130.30		f-mg amphibole rich felsic volcanic(Phase 1) to 125.35m. 125.35-129.90m possible separate intrusive event, diffuse contact margins, strongly silicified, 126.30-127.00m –less altered center is a feldspar porphyry (Phase 2)(1-2mm phenocrysts), altered hnbl? and biotite. Vfg qtz/pyrite cut both rock types (phase1 and phase2) at 20-30° to c/a. Phase1 strong disseminated pyrite, Phase 2-3% pyrite, trace cpy. Approx. 5% pyrite overall.	468243 468244	124.04 127.1	127.1 130.2	201 284	
130.30 – 136.90		as above, phase1 mod. well altered to 132.81m, diffuse contact 20° to c/a. –silicified phase2? to 134.69m. contact 30° to c/a. Strong pyrite in phase1 to 132.81m –pyrite greatly reduced except for minor qtz/py veinlets in phase2. 134.69m to end, altered phase1. Trace cpy. 5-6% pyrite.	468245 468246	130.18 133.19	133.2 136.3	1058 172	
136.90 – 142.30		grades to strongly silicified phase2, to 138.90m, contact sub ll to c/a. phase1 to 141.43m –silicified phase2, qtz pyrite veined sub ll to c/a. to 142.15m. 142.30m – phase1. 5-6% pyrite overall.	468247 468248	136.28 139.3	139.3 142.3	184 874	
142.30 – 147.85		phase1 with amphibole needles to 143.65m followed by phase2 to 145.75m contact 20° to c/a. with phase1 etc. Mixed interval with narrow intermixed sections of phase1 and 2 to end. Trace cpy/MoS2 with qtz/py veinlets. 5-6% pyrite.	468249 468250	142.3 145.4	145.4 148.4	576 472	
147.85 – 153.50		phase2 to 150.15m. followed by phase1, variably altered, with excellent examples of randomly oriented amphibole laths up to 1 cm. Long. Qtz/py veinlets in both phases. Trace cpy with veinlets. Approx.6% pyrite.	468251 468252	148.4 151.4	151.4 154.5	294 292	
153.50 – 159.00		*intermixed phase 1 and 2 over short intervals (1.0m), qtz/py veinlets 20° to c/a. some sub ll. Trace MoS2, dusty* concentration on margins of some larger qtz/py veinlets. 5% pyrite.	468253 468254	154.5 157.5	157.5 160.6	435 508	
159.00 – 164.34		phase 2 to 160.00m plagioclase phenos in f-mg groundmass, disseminated pyrite, py/qtz vnlts with qtz selvages. 160.00-161.55m phase 1–acicular amphiboles, weakly altered. Disseminated pyrite in groundmass. 161.55m to end – phase 2 silicified, altered, moderate qtz/pyrite veinlets. 5% pyrite.	468255	160.6	163.7	340	
164.34 – 170.45		Fault Zone to 165.44m, at 30° to c/a. –shattered, clay altered. 165.44m to end – mostly phase 2 silicified interval. Pyrite veinlets with qtz selvages, 20-25° to c/a. Pyrite in veinlets is dominant. 5% pyrite.	468256 468257	163.7 166.7	166.7 169.8	143 329	
170.45 – 176.42		clay rich alteration to 170.85m. *170.85-173.64m – intense silicification, flesh coloured to light brown, Kspar?,* strong network of qtz/py veinlets/stringers. 173.64-176.42m – phase1 initially strongly altered/silicf. waning to weak towards the end of the interval. Overall more calcite/gypsum in fractures and veinlets. 5% pyrite.	468258 468259	169.8 172.81	172.8 175.9	784 1080	
176.42 – 181.85		phase 1, weakly altered to 177.60m, rhyolitic appearing silicified interval to179.11m, followed by phase1 to the end – *variably altered. Phase 1 disseminated pyrite, and in striners/veinlets, Phase 2 –grey qtz/py* stringers/veinlets. Increase in calcite/gypsum in fractures and veinlets. 7% pyrite.	468260 468261	175.86 178.91	178.9 182	1092 1165	
181.85 – 187.60		phase1 to 183.35m, - f-mg, intrusive texture, weak to moderately altered amphibole needles. 183.35m to end –mixed zone, intermittent small sections of phase 2, distinct contacts, fracture intensity increases down-hole, fill is calcite/gypsum. Pyrite/qtz stringers/veinlets decreasing in abundance. 6% pyrite.	468262 468263	181.96 185.8	185.8 188.1	989 993	

Footage (m)	Core Recovery %	Description	Sample	From	To	Cu (ppm)	
187.60 – 193.57		as above, phase 1 major rock type for interval, three short 30 cm silicified sections. Fracturing increases towards gouge at 191.44m. Fault Zone to 191.84m, footwall equally well fractured. Calcite/gypsum fracture fill, pyrite disseminated in matrix and in qtz/py stringers/veinlets. Approx. 6% pyrite.	468264 468265	188.11 191.11	191.1 193.6	1323 1100	
193.57 – 197.20		as above, strongly fractured, 194.34-195.00m phase 2, clear contacts, 195.40-195.65m gouge zone, 195.65-197.20m phase 1. Fracture fill gypsum dominant. Pyrite habit as above. 6% pyrite. End of Hole.	468266	193.57	197.2	1044	
		Note: The above logged Phase 2 usually occurs over short intervals cutting a very distinct acicular amphibole bearing felsic volcanic unit termed Phase1. In a few places it can be differentiated as a separate phase, as opposed to simple silicification of Phase1 because it carries diffuse feldspar phenocrysts larger than Phase1, no acicular amphibole needles, and occasional small shreds of biotite. Weak calcite/gypsum fracture fill occurs throughout the hole as a later event. The large amount of pyrite encountered in the felsic volcanic supports the strong IP anomaly targeted by this hole.					

APPENDIX - B

ANALYTICAL RESULTS

BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
W VANCOUVER, BC V7V 1H9

BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02084.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN

DATE RECEIVED: 17-OCT-01 DATE PRINTED: 23-OCT-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011019 1	Au30	Au - FA30	10	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011019 2	Ag	Ag - ICO1	51	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 3	Cu	Cu - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 4	Pb	Pb - ICO1	51	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 5	Zn	Zn - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 6	Mo	Mo - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 7	Ni	Ni - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 8	Co	Co - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 9	Cd	Cd - ICO1	51	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 10	Bi	Bi - ICO1	51	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 11	As	As - ICO1	51	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 12	Sb	Sb - ICO1	51	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 13	Fe	Fe - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 14	Mn	Mn - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 15	Te	Te - ICO1	51	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 16	Ba	Ba - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 17	Cr	Cr - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 18	V	V - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 19	Sn	Sn - ICO1	51	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 20	W	W - ICO1	51	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 21	La	La - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 22	Al	Al - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 23	Mg	Mg - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 24	Ca	Ca - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 25	Na	Na - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 26	K	K - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 27	Sr	Sr - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 28	Y	Y - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 29	Ga	Ga - ICO1	51	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 30	Li	Li - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 31	Nb	Nb - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 32	Sc	Sc - ICO1	51	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 33	Ta	Ta - ICO1	51	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 34	Ti	Ti - ICO1	51	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 35	Zr	Zr - ICO1	51	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011019 36	S	S - ICO1	51	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	51	2 -150	51	CRUSH/SPLIT & PULV.	51
				SILICA CLEANING	51
				RIVER ROCK CLEANING	51

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Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
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Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

REPORT: V01-02096.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: N. VON FORSEN

PROJECT: COPPER STAR

DATE RECEIVED: 20-OCT-01 DATE PRINTED: 26-OCT-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011023	1 Au30	Au - FA30	12	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011023	2 Ag	Ag - IC01	62	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	3 Cu	Cu - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	4 Pb	Pb - IC01	62	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	5 Zn	Zn - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	6 Mo	Mo - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	7 Ni	Ni - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	8 Co	Co - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	9 Cd	Cd - IC01	62	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	10 Bi	Bi - IC01	62	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	11 As	As - IC01	62	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	12 Sb	Sb - IC01	62	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	13 Fe	Fe - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	14 Mn	Mn - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	15 Te	Te - IC01	62	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	16 Ba	Ba - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	17 Cr	Cr - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	18 V	V - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	19 Sn	Sn - IC01	62	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	20 W	W - IC01	62	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	21 La	La - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	22 Al	Al - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	23 Mg	Mg - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	24 Ca	Ca - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	25 Na	Na - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	26 K	K - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	27 Sr	Sr - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	28 Y	Y - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	29 Ga	Ga - IC01	62	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	30 Li	Li - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	31 Nb	Nb - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	32 Sc	Sc - IC01	62	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	33 Ta	Ta - IC01	62	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	34 Ti	Ti - IC01	62	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	35 Zr	Zr - IC01	62	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023	36 S	S - IC01	62	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	62	2 -150	62	CRUSH/SPLIT & PULV.	62
				OVERWEIGHT/KG	241
				SILICA CLEANING	62
				CLEANING ROCK	62

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Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
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BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02104.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: D. HAYWARD

PROJECT: COPPER STAR

DATE RECEIVED: 22-OCT-01 DATE PRINTED: 26-OCT-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011023 1 Au30	Au - FA30	5	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011023 2 Ag	Ag - ICO1	28	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 3 Cu	Cu - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 4 Pb	Pb - ICO1	28	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 5 Zn	Zn - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 6 Mo	Mo - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 7 Ni	Ni - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 8 Co	Co - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 9 Cd	Cd - ICO1	28	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 10 Bi	Bi - ICO1	28	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 11 As	As - ICO1	28	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 12 Sb	Sb - ICO1	28	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 13 Fe	Fe - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 14 Mn	Mn - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 15 Te	Te - ICO1	28	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 16 Ba	Ba - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 17 Cr	Cr - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 18 V	V - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 19 Sn	Sn - ICO1	28	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 20 W	W - ICO1	28	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 21 La	La - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 22 Al	Al - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 23 Mg	Mg - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 24 Ca	Ca - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 25 Na	Na - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 26 K	K - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 27 Sr	Sr - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 28 Y	Y - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 29 Ga	Ga - ICO1	28	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 30 Li	Li - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 31 Nb	Nb - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 32 Sc	Sc - ICO1	28	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 33 Ta	Ta - ICO1	28	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 34 Ti	Ti - ICO1	28	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 35 Zr	Zr - ICO1	28	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011023 36 S	S - ICO1	28	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	28	2 -150	28	CRUSH/SPLIT & PULV.	28
				OVERWEIGHT/KG	114

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BONDAR CLEGG

Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
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BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Geochemical Lab Report

REPORT: V01-02150.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: P. GRAY

PROJECT: COPPER STAR

DATE RECEIVED: 26-OCT-01 DATE PRINTED: 30-OCT-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011029	1 Au30	Au - FA30	4	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011029	2 Ag	Ag - ICO1	47	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	3 Cu	Cu - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	4 Pb	Pb - ICO1	47	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	5 Zn	Zn - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	6 Mo	Mo - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	7 Ni	Ni - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	8 Co	Co - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	9 Cd	Cd - ICO1	47	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	10 Bi	Bi - ICO1	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	11 As	As - ICO1	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	12 Sb	Sb - ICO1	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	13 Fe	Fe - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	14 Mn	Mn - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	15 Te	Te - ICO1	47	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	16 Ba	Ba - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	17 Cr	Cr - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	18 V	V - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	19 Sn	Sn - ICO1	47	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	20 W	W - ICO1	47	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	21 La	La - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	22 Al	Al - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	23 Mg	Mg - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	24 Ca	Ca - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	25 Na	Na - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	26 K	K - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	27 Sr	Sr - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	28 Y	Y - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	29 Ga	Ga - ICO1	47	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	30 Li	Li - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	31 Nb	Nb - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	32 Sc	Sc - ICO1	47	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	33 Ta	Ta - ICO1	47	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	34 Ti	Ti - ICO1	47	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	35 Zr	Zr - ICO1	47	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011029	36 S	S - ICO1	47	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	47	2 -150	47	CRUSH/SPLIT & PULV.	47
				OVERWEIGHT/KG	214
				SILICA CLEANING	47
				CLEANING ROCK	47

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Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
W VANCOUVER, BC V7V 1H9

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC. V7P 2R5. (604) 985-0681

BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02161.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: P. GRAY

PROJECT: COPPER STAR

DATE RECEIVED: 29-OCT-01 DATE PRINTED: 2-NOV-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011031	1 Au30	Au - FA30	7	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011031	2 Ag	Ag - IC01	74	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	3 Cu	Cu - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	4 CuOL	Cu, semiquant - GA50	1	0.01 PCT	HF-HNO3-HCLO4-HCL	ATOMIC ABSORPTION
011031	5 Pb	Pb - IC01	74	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	6 Zn	Zn - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	7 Mo	Mo - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	8 Ni	Ni - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	9 Co	Co - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	10 Cd	Cd - IC01	74	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	11 Bi	Bi - IC01	74	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	12 As	As - IC01	74	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	13 Sb	Sb - IC01	74	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	14 Fe	Fe - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	15 Mn	Mn - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	16 Te	Te - IC01	74	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	17 Ba	Ba - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	18 Cr	Cr - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	19 V	V - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	20 Sn	Sn - IC01	74	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	21 W	W - IC01	74	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	22 La	La - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	23 Al	Al - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	24 Mg	Mg - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	25 Ca	Ca - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	26 Na	Na - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	27 K	K - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	28 Sr	Sr - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	29 Y	Y - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	30 Ga	Ga - IC01	74	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	31 Li	Li - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	32 Nb	Nb - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	33 Sc	Sc - IC01	74	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	34 Ta	Ta - IC01	74	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	35 Ti	Ti - IC01	74	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011031	36 Zr	Zr - IC01	74	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011031	37 S	S - IC01	74	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLAS

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER
D DRILL CORE	74	2 -150	74

SAMPLE PREPARATIONS	NUMBER
CRUSH/SPLIT & PULV.	74
OVERWEIGHT/KG	303
SILICA CLEANING	74
CLEANING ROCK	74

REPORT COPIES TO: 305 - 1549 MARINE DRIVE

INVOICE TO: 305 - 1549 MARINE DRIVE

BONDAR CLEGG

Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
W VANCOUVER, BC V7V 1H9

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681

BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02196.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: P. GRAY

PROJECT: COPPER STAR

DATE RECEIVED: 02-NOV-01 DATE PRINTED: 7-NOV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011106 1	Au30	Au - FA30	13	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011106 2	Ag	Ag - IC01	135	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 3	Cu	Cu - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 4	Pb	Pb - IC01	135	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 5	Zn	Zn - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 6	Mo	Mo - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 7	Ni	Ni - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 8	Co	Co - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 9	Cd	Cd - IC01	135	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 10	Bi	Bi - IC01	135	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 11	As	As - IC01	135	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 12	Sb	Sb - IC01	135	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 13	Fe	Fe - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 14	Mn	Mn - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 15	Te	Te - IC01	135	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 16	Ba	Ba - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 17	Cr	Cr - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 18	V	V - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 19	Sn	Sn - IC01	135	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 20	W	W - IC01	135	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 21	La	La - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 22	Al	Al - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 23	Mg	Mg - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 24	Ca	Ca - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 25	Na	Na - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 26	K	K - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 27	Sr	Sr - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 28	Y	Y - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 29	Ga	Ga - IC01	135	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 30	Li	Li - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 31	Nb	Nb - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 32	Sc	Sc - IC01	135	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 33	Ta	Ta - IC01	135	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 34	Ti	Ti - IC01	135	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 35	Zr	Zr - IC01	135	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 36	S	S - IC01	135	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	135	2 -150	135	CRUSH/SPLIT & PULV.	135
				OVERWEIGHT/KG	546
				SILICA CLEANING	135
				CLEANING ROCK	135

REPORT COPIES TO: 305 - 1549 MARINE DRIVE

INVOICE TO: 305 - 1549 MARINE DRIVE

BONDAR CLEGG

Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
W VANCOUVER, BC V7V 1H9

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681

BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02211.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: P. GRAY

PROJECT: COPPER STAR

DATE RECEIVED: 03-NOV-01 DATE PRINTED: 7-NOV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011106 1	Au30	Au - FA30	4	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011106 2	Ag	Ag - IC01	46	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 3	Cu	Cu - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 4	Pb	Pb - IC01	46	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 5	Zn	Zn - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 6	Mo	Mo - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 7	Ni	Ni - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 8	Co	Co - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 9	Cd	Cd - IC01	46	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 10	Bi	Bi - IC01	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 11	As	As - IC01	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 12	Sb	Sb - IC01	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 13	Fe	Fe - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 14	Mn	Mn - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 15	Te	Te - IC01	46	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 16	Ba	Ba - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 17	Cr	Cr - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 18	V	V - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 19	Sn	Sn - IC01	46	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 20	W	W - IC01	46	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 21	La	La - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 22	Al	Al - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 23	Mg	Mg - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 24	Ca	Ca - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 25	Na	Na - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 26	K	K - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 27	Sr	Sr - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 28	Y	Y - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 29	Ga	Ga - IC01	46	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 30	Li	Li - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 31	Nb	Nb - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 32	Sc	Sc - IC01	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 33	Ta	Ta - IC01	46	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 34	Ti	Ti - IC01	46	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 35	Zr	Zr - IC01	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011106 36	S	S - IC01	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER
D DRILL CORE	46

SIZE FRACTIONS	NUMBER
2 -150	46

SAMPLE PREPARATIONS	NUMBER
CRUSH/SPLIT & PULV.	46
OVERWEIGHT/KG	246
SILICA CLEANING	46
CLEANING ROCK	46

REPORT COPIES TO: 305 - 1549 MARINE DRIVE

INVOICE TO: 305 - 1549 MARINE DRIVE

BONDAR CLEGG

Geochemical Lab Report

DOUBLESTAR RESOURCES LTD.
305 - 1549 MARINE DRIVE
W VANCOUVER, BC V7V 1H9

Bondar Clegg Canada Limited, 130 Pemberton Avenue, North Vancouver, BC, V7P 2R5, (604) 985-0681

BONDAR CLEGG

Geochemical Lab Report

REPORT: V01-02188.0 (COMPLETE)

REFERENCE:

CLIENT: DOUBLESTAR RESOURCES LTD.

SUBMITTED BY: P. GRAY

PROJECT: COPPER STAR

DATE RECEIVED: 31-OCT-01 DATE PRINTED: 8-NOV-01

DATE APPROVED	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
011101	1 Au30	Au - FA30	4	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
011101	2 Ag	Ag - ICO1	41	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	3 Cu	Cu - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	4 Pb	Pb - ICO1	41	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	5 Zn	Zn - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	6 Mo	Mo - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	7 Ni	Ni - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	8 Co	Co - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	9 Cd	Cd - ICO1	41	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	10 Bi	Bi - ICO1	41	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	11 As	As - ICO1	41	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	12 Sb	Sb - ICO1	41	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	13 Fe	Fe - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	14 Mn	Mn - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	15 Te	Te - ICO1	41	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	16 Ba	Ba - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	17 Cr	Cr - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	18 V	V - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	19 Sn	Sn - ICO1	41	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	20 W	W - ICO1	41	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	21 La	La - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	22 Al	Al - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	23 Mg	Mg - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	24 Ca	Ca - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	25 Na	Na - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	26 K	K - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	27 Sr	Sr - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	28 Y	Y - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	29 Ga	Ga - ICO1	41	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	30 Li	Li - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	31 Nb	Nb - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	32 Sc	Sc - ICO1	41	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	33 Ta	Ta - ICO1	41	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	34 Ti	Ti - ICO1	41	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	35 Zr	Zr - ICO1	41	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
011101	36 S	S - ICO1	41	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
D DRILL CORE	41	2 -150	41	CRUSH/SPLIT & PULV.	41
				OVERWEIGHT/KG	172
				SILICA CLEANING	41
				CLEANING ROCK	41

REPORT COPIES TO: 305 - 1549 MARINE DRIVE

INVOICE TO: 305 - 1549 MARINE DRIVE

BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: NONE GIVEN

REPORT: V01-02084.0 (COMPLETE) DATE RECEIVED: 17-OCT-01 DATE PRINTED: 23-OCT-01 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
CS01 125'-135'			<.2	26	<2	36	<1	20	29	0.3	<5	<5	<5	8.16	703	<10	148	63	146	<20	<20	4	2.61	0.63	0.38	0.15	0.21	53	4	4	26	9	14	<10	0.096	<1	0.30
CS01 135'-147'			<.2	143	<2	41	<1	9	19	<.2	<5	<5	<5	5.55	1130	<10	145	71	96	<20	<20	5	2.83	1.38	1.35	0.14	0.13	38	10	5	17	7	9	<10	<.010	<1	0.64
CS01 147'-157'			<.2	121	2	36	2	8	14	<.2	<5	<5	<5	4.16	833	<10	80	90	17	<20	<20	5	2.49	0.92	1.65	0.17	0.19	35	11	4	12	<1	6	<10	<.010	<1	1.33
CS01 157'-167'			<.2	108	<2	59	1	4	18	0.2	<5	<5	<5	5.48	931	<10	67	76	47	<20	<20	6	2.26	0.97	1.32	0.11	0.14	39	11	5	14	<1	9	<10	0.012	<1	1.44
CS01 167'-177'		6	<.2	138	<2	57	1	8	30	0.4	<5	<5	<5	7.56	938	<10	84	63	140	<20	<20	5	2.69	1.32	1.23	0.13	0.20	51	12	6	16	12	17	<10	0.037	<1	1.25
CS01 177'-187'			<.2	81	<2	48	<1	8	36	0.3	<5	<5	<5	7.31	770	<10	58	52	101	<20	<20	5	2.07	1.31	0.94	0.09	0.14	30	10	5	12	7	13	<10	0.035	<1	1.54
CS01 187'-197'			0.2	100	<2	74	<1	15	34	0.3	<5	<5	<5	7.59	1080	<10	116	79	189	<20	<20	3	4.33	1.80	1.66	0.50	0.11	89	9	8	18	12	20	<10	0.126	<1	0.92
CS01 197'-205'			<.2	183	<2	56	<1	4	28	<.2	<5	<5	<5	6.37	1083	<10	96	74	118	<20	<20	4	3.97	1.69	1.35	0.33	0.22	76	11	7	21	7	18	<10	0.101	<1	1.06
CS01 205'-217'			<.2	144	<2	93	<1	18	44	0.4	<5	<5	<5	7.75	1947	<10	143	90	210	<20	<20	3	4.46	2.70	2.08	0.45	0.04	76	13	9	15	15	31	<10	0.198	<1	0.79
CS01 66.13M-69.18M		6	<.2	140	<2	111	<1	15	34	0.4	<5	<5	<5	7.51	1331	<10	92	79	184	<20	<20	4	3.64	1.90	1.96	0.32	0.19	70	10	6	17	13	21	<10	0.116	<1	1.02
CS01 69.18M-72.23M			<.2	299	<2	70	2	19	39	0.3	<5	<5	<5	7.05	1127	<10	74	79	157	<20	<20	4	3.82	1.73	2.13	0.29	0.44	66	11	6	16	11	23	<10	0.122	<1	1.57
CS01 72.23M-75.28M			<.2	148	<2	89	2	17	39	0.4	<5	<5	<5	8.54	1149	<10	82	66	273	<20	<20	4	2.45	2.21	1.10	0.14	0.10	36	14	6	14	21	25	<10	0.164	<1	1.19
CS01 75.28M-78.93M			<.2	133	<2	78	1	16	31	0.4	<5	<5	<5	7.24	1081	<10	139	67	248	<20	<20	4	2.65	1.95	1.33	0.26	0.11	54	13	7	11	20	21	<10	0.250	<1	0.55
CS01 78.93M-81.37M			<.2	262	<2	73	2	17	42	0.3	<5	<5	<5	6.65	1165	<10	101	79	193	<20	<20	5	3.36	2.19	1.76	0.22	0.20	55	15	7	20	16	19	<10	0.118	<1	1.14
CS01 81.37M-84.42M		7	<.2	160	<2	67	<1	13	31	<.2	<5	<5	<5	6.77	1074	<10	160	60	164	<20	<20	4	4.52	1.96	2.04	0.43	0.31	79	14	8	16	13	23	<10	0.252	<1	0.91
CS01 84.42M-87.47M			<.2	111	<2	72	1	11	30	0.3	<5	<5	<5	6.63	840	<10	130	61	121	<20	<20	4	4.38	1.44	1.95	0.49	0.31	95	12	8	15	8	18	<10	0.151	<1	1.09
CS01 87.47M-90.52M			<.2	136	<2	70	1	18	33	0.3	<5	<5	<5	6.51	790	<10	74	76	106	<20	<20	5	3.85	1.75	1.64	0.29	0.34	88	12	7	18	7	16	<10	0.120	<1	1.35
CS01 90.52M-93.56M			<.2	112	<2	77	<1	23	38	<.2	<5	<5	<5	7.80	1206	<10	103	94	142	<20	<20	5	3.62	2.10	2.20	0.22	0.27	78	13	7	20	10	20	<10	0.088	<1	0.97
CS01 93.56M-96.61M			<.2	80	<2	69	<1	33	33	<.2	<5	<5	<5	7.10	1239	<10	180	76	169	<20	<20	3	4.47	1.92	2.30	0.34	0.15	109	9	7	18	12	20	<10	0.171	<1	0.58
CS01 96.61M-99.66M		8	<.2	88	<2	64	<1	42	32	0.4	<5	<5	<5	6.36	1128	<10	183	109	172	<20	<20	2	4.66	1.82	2.60	0.36	0.13	101	6	6	17	12	15	<10	0.268	<1	0.57
CS01 99.66M-102.71M			<.2	52	<2	59	2	18	23	0.3	<5	<5	<5	7.55	899	<10	128	66	248	<20	<20	3	4.80	1.65	2.78	0.26	0.14	110	8	9	14	22	13	<10	0.249	<1	0.18
CS01 102.71M-105.76M			<.2	351	<2	70	2	33	51	0.4	<5	7	<5	6.51	1091	<10	73	104	180	<20	<20	4	4.84	2.11	2.40	0.32	0.16	96	10	8	21	15	20	<10	0.334	<1	1.49
CS01 105.76M-108.80M			<.2	156	<2	75	2	14	42	0.3	<5	<5	<5	7.72	1156	<10	90	55	252	<20	<20	3	4.44	1.32	2.39	0.30	0.13	125	8	9	13	19	17	<10	0.274	<1	0.69
CS01 108.80M-111.85M			<.2	130	<2	88	2	10	34	0.3	<5	<5	<5	7.83	1336	<10	206	52	245	<20	<20	4	5.26	2.29	2.43	0.43	0.13	121	11	10	23	19	27	<10	0.284	<1	0.48
CS01 111.85M-114.90M		9	<.2	364	<2	88	2	30	44	0.4	<5	6	<5	7.19	1596	<10	111	77	210	<20	<20	4	6.47	2.45	3.61	0.28	0.11	146	12	10	20	15	25	<10	0.311	<1	1.39
CS01 114.90M-117.95M			<.2	40	<2	79	1	42	27	0.2	<5	<5	<5	7.08	1347	<10	270	122	170	<20	<20	3	5.35	2.79	2.66	0.35	0.09	114	11	8	17	13	24	<10	0.280	<1	0.53
CS01 117.95M-120.99M			<.2	73	<2	89	1	33	33	0.3	<5	<5	<5	7.40	1408	<10	148	109	201	<20	<20	3	5.52	2.72	2.42	0.58	0.11	112	10	9	18	16	24	<10	0.209	<1	0.79
CS01 120.99M-124.04M			<.2	42	<2	82	1	37	26	<.2	<5	<5	<5	7.17	1362	<10	138	117	184	<20	<20	3	5.38	2.80	2.43	0.47	0.09	107	10	8	19	14	23	<10	0.217	<1	0.70
CS01 124.04M-127.09M			<.2	111	<2	93	5	20	35	0.3	<5	<5	<5	6.71	1492	<10	52	67	119	<20	<20	4	3.66	2.29	2.35	0.20	0.15	70	10	4	18	7	17	<10	0.052	<1	1.75
CS01 127.09M-130.14M		6	<.2	74	<2	80	6	16	33	<.2	<5	<5	<5	6.42	1049	<10	27	55	85	<20	<20	5	2.46	1.28	1.32	0.08	0.22	51	7	3	13	5	11	<10	0.011	<1	2.37

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
CS01	130.14M-133.19M		<.2	36	9	55	1	16	38	0.2	<5	<5	<5	7.55	702	<10	44	25	129	<20	<20	3	2.17	0.49	1.43	0.09	0.15	84	6	2	17	8	17	<10	0.035	<1	1.66
CS01	133.18M-136.23M		<.2	9	<2	82	1	25	29	<.2	<5	<5	<5	6.73	1114	<10	272	69	117	<20	<20	3	4.59	1.43	1.75	0.33	0.10	120	5	5	23	8	12	<10	0.054	<1	0.21
CS01	136.23M-139.28M		<.2	17	2	63	<1	11	29	0.4	<5	<5	<5	5.88	913	<10	51	40	95	<20	<20	3	3.86	1.00	1.30	0.27	0.11	104	4	4	24	7	10	<10	0.052	<1	0.93
CS01	139.28M-141.42M		0.3	8	<2	58	<1	18	32	0.3	<5	<5	<5	6.28	950	<10	64	53	85	<20	<20	3	3.74	0.99	0.97	0.31	0.10	104	4	5	25	5	10	<10	0.074	<1	0.50
CS01	141.42M-144.77M	<5	<.2	6	<2	54	<1	25	33	<.2	<5	<5	<5	7.44	1001	<10	100	57	101	<20	<20	2	4.41	1.05	1.29	0.37	0.14	130	3	4	28	5	13	<10	0.127	<1	0.29
CS01	144.77M-147.82M		<.2	176	<2	100	<1	8	22	<.2	<5	<5	<5	5.14	1217	<10	124	43	69	<20	<20	3	3.85	1.41	1.31	0.26	0.13	87	5	5	22	4	9	<10	0.052	<1	0.87
CS01	147.82M-150.86M		<.2	46	7	84	1	8	15	0.4	<5	<5	<5	5.34	538	<10	56	95	38	<20	<20	5	2.22	0.99	0.94	0.16	0.12	51	6	4	13	2	7	<10	<.010	1	2.00
CS01	150.86M-153.91M		<.2	62	21	120	1	8	31	0.8	<5	<5	<5	7.61	593	<10	34	52	129	<20	<20	4	2.63	1.26	1.21	0.20	0.17	61	12	3	11	9	13	<10	0.108	<1	2.58
CS01	153.91M-156.04M		0.2	219	<2	127	1	43	40	0.6	<5	<5	<5	8.85	1116	<10	131	97	260	<20	<20	2	3.94	3.59	1.28	0.22	0.09	62	9	6	20	20	27	<10	0.277	<1	0.75
CS01	156.04M-158.79M	7	<.2	62	3	53	<1	21	40	0.5	<5	<5	<5	7.67	506	<10	34	74	150	<20	<20	2	3.11	1.59	1.26	0.26	0.25	68	14	3	12	10	17	<10	0.193	<1	2.12
CS01	158.79M-161.84M		0.5	129	<2	125	2	43	50	0.3	<5	8	<5	8.13	1071	<10	52	88	194	<20	<20	2	4.71	2.79	2.44	0.14	0.14	105	15	7	18	13	26	<10	0.328	<1	1.44
CS01	161.84M-163.66M		<.2	37	<2	82	2	17	28	0.3	<5	<5	<5	9.42	989	<10	87	54	259	<20	<20	2	3.42	2.41	2.01	0.22	0.17	62	12	5	16	20	23	<10	0.278	<1	0.06
CS01	163.66M-165.19M		<.2	85	<2	80	<1	13	43	<.2	<5	<5	<5	8.89	1028	<10	40	55	181	<20	<20	4	2.30	1.67	1.48	0.13	0.23	57	22	3	12	11	21	<10	0.154	<1	0.56
CS01	165.19M-168.24M		<.2	76	<2	92	<1	11	28	0.3	<5	8	<5	8.74	1034	<10	133	41	252	<20	<20	3	3.53	1.75	1.95	0.25	0.19	89	12	5	15	19	23	<10	0.337	<1	0.25
CS01	168.24M-170.98M	19	<.2	138	<2	107	1	12	40	<.2	<5	<5	<5	8.12	1140	<10	139	60	220	<20	<20	2	2.51	1.80	1.50	0.15	0.20	52	12	4	17	16	19	<10	0.093	<1	0.19
CS01	170.98M-174.03M		0.6	115	4	253	<1	12	30	0.6	<5	<5	<5	9.08	1923	<10	71	52	259	<20	<20	2	2.72	1.99	3.23	0.09	0.14	65	12	5	20	20	25	<10	0.151	<1	0.30
CS01	174.03M-177.08M		0.4	59	<2	150	<1	16	29	<.2	<5	7	<5	9.28	1973	<10	328	85	306	<20	<20	1	2.80	1.86	3.31	0.10	0.04	63	8	6	12	22	27	<10	0.321	<1	0.10
CS01	177.08M-179.82M		0.2	87	<2	151	2	11	39	0.2	<5	6	<5	8.21	1919	<10	190	47	289	<20	<20	2	3.07	2.26	2.40	0.11	0.07	65	11	7	21	22	22	<10	0.342	<1	0.42
CS01	179.82M-183.17M		0.4	73	3	155	2	6	24	0.5	<5	<5	<5	6.14	1091	<10	190	49	118	<20	<20	6	2.12	1.42	1.92	0.17	0.18	55	11	3	15	7	14	<10	0.120	<1	0.35
CS01	183.17M-185.91M	14	0.3	168	6	170	1	31	47	0.4	<5	<5	<5	8.27	1891	<10	295	63	230	<20	<20	3	3.27	2.53	2.82	0.25	0.11	84	11	5	27	17	22	<10	0.150	<1	0.15
CS01	185.91M-189.57M		0.3	105	<2	125	1	9	32	0.3	<5	<5	<5	8.74	1527	<10	355	49	205	<20	<20	3	2.33	1.89	1.94	0.13	0.17	56	13	4	19	14	18	<10	0.069	<1	0.33

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
ANALYTICAL BLANK		<5	<.2	<1	3	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	<1	2	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
CANMET STSD-4		-	<.2	65	11	76	2	24	13	0.3	<5	11	<5	2.94	1172	<10	949	36	51	<20	<20	12	1.15	0.66	1.05	0.04	0.10	60	10	2	9	4	<5	<10	0.074	<1	0.10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	65	11	76	2	24	13	0.3	3	11	3	2.94	1172	5	949	36	51	10	10	12	1.15	0.66	1.05	0.04	0.10	60	10	2	9	4	3	5	0.074	<1	0.10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	999	30	51	-	-	14	1.19	-	1.13	0.05	0.12	-	11	4	10	6	5	-	-	-	0.10
GS91-1 In-House		-	0.6	87	6	73	2	39	21	0.3	<5	8	<5	4.58	674	<10	193	58	135	<20	<20	6	2.97	1.63	0.99	0.05	0.29	35	8	4	23	11	10	<10	0.222	9	0.03
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.6	87	6	73	2	39	21	0.3	3	8	3	4.58	674	5	193	58	135	10	10	6	2.97	1.63	0.99	0.05	0.29	35	8	4	23	11	10	5	0.222	9	0.03
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: NONE GIVEN

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
CS01 167'-177'		6	<.2	138	<2	57	1	8	30	0.4	<5	<5	<5	7.56	938	<10	84	63	140	<20	<20	5	2.69	1.32	1.23	0.13	0.20	51	12	6	16	12	17	<10	0.037	<1	1.25
Duplicate			<.2	129	<2	63	1	10	32	0.2	<5	<5	<5	7.58	935	<10	79	57	150	<20	<20	5	2.54	1.42	1.30	0.12	0.18	48	12	4	15	10	17	<10	0.033	<1	1.37
CS01 102.71M-105.76M			<.2	351	<2	70	2	33	51	0.4	<5	7	<5	6.51	1091	<10	73	104	180	<20	<20	4	4.84	2.11	2.40	0.32	0.16	96	10	8	21	15	20	<10	0.334	<1	1.49
Duplicate			0.3	341	<2	77	<1	35	54	0.2	<5	7	<5	6.85	1121	<10	78	95	201	<20	<20	4	4.81	2.32	2.63	0.31	0.15	97	10	7	21	15	21	<10	0.338	<1	1.62
CS01 161.84M-163.66M			<.2	37	<2	82	2	17	28	0.3	<5	<5	<5	9.42	989	<10	87	54	259	<20	<20	2	3.42	2.41	2.01	0.22	0.17	62	12	5	16	20	23	<10	0.278	<1	0.06
Duplicate			0.3	37	<2	84	1	19	30	0.3	<5	<5	<5	9.40	980	<10	84	55	258	<20	<20	2	3.25	2.32	1.92	0.22	0.16	62	11	5	15	19	22	<10	0.257	<1	0.06

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
407813		<.2	728	6	57	3	18	13	0.3	<5	8	<5	2.44	558	<10	95	75	60	<20	<20	16	2.13	0.89	1.51	0.08	0.32	74	6	4	14	5	6	<10	0.169	<1	0.03
407814		0.3	1645	<2	30	121	19	16	<0.2	<5	<5	<5	2.70	768	<10	89	96	69	<20	<20	15	2.05	1.40	2.17	0.07	0.31	57	6	3	18	6	6	<10	0.075	<1	0.20
407815		0.2	963	<2	26	67	20	15	<0.2	<5	<5	<5	2.63	513	<10	118	95	71	<20	<20	13	2.32	1.46	1.88	0.09	0.29	65	6	4	18	5	6	<10	0.129	<1	0.11
407816		0.4	2557	<2	27	98	19	16	0.2	<5	<5	<5	2.72	381	<10	92	85	67	<20	<20	11	1.83	1.33	1.61	0.07	0.30	45	6	3	15	5	5	<10	0.079	<1	0.30
407817		<5	0.4	823	<2	27	206	24	17	<0.2	<5	<5	<5	3.06	427	<10	105	110	72	<20	<20	11	2.04	1.43	1.85	0.08	0.29	59	6	4	18	6	6	<10	0.077	<1	0.12
407818		<.2	624	<2	25	7	19	15	<0.2	<5	<5	<5	3.31	372	<10	136	86	74	<20	<20	10	1.80	1.40	1.46	0.09	0.30	51	7	3	17	7	6	<10	0.114	<1	0.08
407819		<.2	544	<2	27	24	22	16	<0.2	<5	<5	<5	3.31	387	<10	136	97	80	<20	<20	10	2.06	1.49	1.71	0.10	0.25	59	5	5	17	6	6	<10	0.164	<1	0.07
407820		<.2	950	2	25	130	19	15	<0.2	<5	<5	<5	3.02	352	<10	121	77	67	<20	<20	11	1.80	1.34	1.36	0.08	0.28	48	6	3	15	5	5	<10	0.099	<1	0.12
407821		<.2	543	<2	24	57	17	15	<0.2	<5	<5	<5	2.62	314	<10	91	92	56	<20	<20	11	1.73	1.20	1.60	0.08	0.24	52	5	3	14	5	<5	<10	0.053	<1	0.08
407822		<5	0.9	2116	<2	29	81	19	15	<0.2	<5	5	<5	2.40	324	<10	62	100	49	<20	<20	19	1.70	1.31	1.43	0.08	0.21	43	5	4	14	4	<5	<10	0.040	<1	0.25
407823		<.2	358	<2	27	3	20	15	<0.2	<5	8	<5	2.75	382	<10	138	96	75	<20	<20	10	1.68	1.40	1.32	0.07	0.29	42	5	4	17	6	6	<10	0.152	<1	0.05
407824		0.3	744	<2	33	5	21	17	<0.2	<5	<5	<5	2.68	391	<10	117	89	70	<20	<20	11	1.63	1.44	1.05	0.06	0.30	37	6	2	17	6	6	<10	0.116	<1	0.09
407825		0.3	537	<2	25	6	20	16	<0.2	<5	10	<5	2.89	372	<10	119	101	76	<20	<20	11	1.63	1.41	1.20	0.07	0.32	40	5	3	15	6	6	<10	0.149	<1	0.06
407826		<.2	377	<2	27	6	21	16	<0.2	<5	<5	<5	2.81	394	<10	130	93	76	<20	<20	12	1.65	1.43	1.13	0.07	0.29	46	6	4	16	6	6	<10	0.157	<1	0.05
407827		<5	<.2	96	<2	27	14	19	15	<0.2	<5	<5	<5	2.46	401	<10	81	89	68	<20	<20	16	1.84	1.45	1.49	0.08	0.25	58	6	4	15	5	6	<10	0.130	<1	0.02
407828		<.2	507	<2	27	97	19	14	<0.2	<5	<5	<5	2.34	352	<10	83	89	67	<20	<20	14	1.94	1.41	1.44	0.09	0.31	51	5	3	16	4	6	<10	0.120	<1	0.08
407829		0.2	411	3	33	124	21	16	<0.2	<5	<5	<5	2.41	389	<10	69	94	71	<20	<20	10	1.65	1.37	1.88	0.05	0.29	38	6	3	15	5	6	<10	0.094	<1	0.06
407830		<.2	326	<2	34	12	20	15	<0.2	<5	<5	<5	2.41	338	<10	68	86	64	<20	<20	13	1.75	1.27	1.84	0.07	0.27	58	6	3	15	5	<5	<10	0.051	<1	0.05
407831		<.2	508	<2	28	165	19	15	<0.2	<5	<5	<5	2.42	366	<10	82	86	65	<20	<20	16	2.06	1.33	1.91	0.08	0.30	58	6	3	15	6	6	<10	0.082	<1	0.08
407832		<5	<.2	430	<2	28	5	21	15	<0.2	<5	6	<5	2.33	388	<10	71	90	61	<20	<20	17	1.89	1.39	1.91	0.07	0.34	47	6	4	16	6	6	<10	0.079	<1	0.05
407833		<.2	373	3	27	13	20	16	<0.2	<5	23	<5	2.64	398	<10	73	98	71	<20	<20	13	1.82	1.43	1.70	0.07	0.31	43	6	4	17	5	6	<10	0.111	<1	0.04
407834		<.2	73	<2	31	12	22	18	<0.2	<5	<5	<5	3.40	451	<10	100	98	82	<20	<20	10	1.93	1.69	1.29	0.08	0.25	44	6	4	21	6	7	<10	0.185	<1	0.01
407835		<.2	296	<2	33	6	21	16	<0.2	<5	<5	<5	3.57	425	<10	99	98	84	<20	<20	10	1.81	1.51	1.15	0.09	0.22	40	5	4	18	6	7	<10	0.178	<1	0.02
407836		<.2	506	<2	30	6	21	15	<0.2	<5	<5	<5	3.21	416	<10	80	90	78	<20	<20	12	2.00	1.47	1.38	0.08	0.23	54	5	4	18	6	6	<10	0.183	<1	0.05
407837		<5	0.3	673	<2	32	14	21	16	<0.2	<5	<5	<5	3.05	412	<10	61	86	83	<20	<20	12	2.06	1.49	1.64	0.08	0.17	48	5	5	18	7	7	<10	0.182	<1	0.07
407838		<.2	263	<2	29	17	19	15	<0.2	<5	<5	<5	2.42	385	<10	59	81	67	<20	<20	15	1.97	1.49	1.70	0.08	0.29	45	6	4	18	5	6	<10	0.110	<1	0.04
407839		<.2	545	<2	28	36	20	15	<0.2	<5	<5	<5	2.50	385	<10	56	78	65	<20	<20	15	1.99	1.54	1.61	0.09	0.30	41	6	4	19	5	6	<10	0.137	<1	0.07
407840		<.2	329	<2	31	68	22	17	<0.2	<5	<5	<5	2.77	436	<10	64	102	78	<20	<20	34	1.78	1.49	1.78	0.06	0.25	45	6	4	18	6	7	<10	0.132	<1	0.05
407841		<.2	616	<2	28	116	21	17	<0.2	<5	<5	<5	3.10	416	<10	65	83	76	<20	<20	11	1.99	1.44	2.01	0.06	0.31	52	5	4	16	5	6	<10	0.118	<1	0.10
407842		<5	<.2	290	2	26	86	19	16	<0.2	<5	<5	<5	2.38	351	<10	44	77	55	<20	<20	12	1.60	1.15	2.12	0.04	0.34	50	5	2	12	3	<5	<10	0.016	<1	0.06

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
407843		<.2	640	<2	29	2	21	16	<0.2	<5	<5	<5	2.95	410	<10	58	89	74	<20	<20	11	1.90	1.44	1.94	0.07	0.28	52	5	4	17	7	6	<10	0.121	<1	0.09
407844		<.2	719	<2	28	77	21	15	<0.2	<5	8	<5	2.60	390	<10	56	90	72	<20	<20	11	1.92	1.42	1.76	0.07	0.22	46	5	4	17	6	6	<10	0.153	<1	0.09
407845		0.8	5591	<2	32	151	20	15	<0.2	<5	6	<5	2.98	351	<10	50	83	67	<20	<20	16	2.27	1.31	2.18	0.08	0.19	57	5	4	15	6	6	<10	0.140	<1	0.59
407846		0.3	718	<2	26	13	21	15	0.2	<5	<5	<5	3.54	371	<10	184	94	82	<20	<20	10	2.01	1.52	1.44	0.08	0.25	66	5	4	15	7	7	<10	0.186	<1	0.09
407847		<5	<.2	686	<2	25	17	21	16	<0.2	<5	14	<5	3.14	378	<10	124	96	63	<20	<20	10	1.75	1.32	1.77	0.06	0.37	51	5	3	14	6	<5	<10	0.063	<1	0.15
407848		<.2	619	<2	27	4	21	17	<0.2	<5	<5	<5	3.32	376	<10	144	98	75	<20	<20	11	1.81	1.51	1.39	0.07	0.33	53	5	4	13	6	5	<10	0.116	<1	0.08
407849		<.2	364	<2	29	15	23	18	<0.2	<5	<5	<5	3.22	411	<10	131	95	71	<20	<20	12	1.72	1.55	1.64	0.06	0.29	50	6	3	15	5	6	<10	0.073	<1	0.06
407850		0.4	397	<2	25	6	20	16	0.2	<5	<5	<5	3.02	364	<10	113	90	65	<20	<20	13	1.54	1.31	1.79	0.06	0.26	50	7	3	13	5	6	<10	0.055	<1	0.05
468001		<.2	781	<2	24	13	20	15	<0.2	<5	<5	<5	3.05	370	<10	81	79	66	<20	<20	14	1.45	1.14	2.49	0.06	0.22	52	8	<2	13	6	6	<10	0.047	<1	0.11
468002		<5	0.4	2551	<2	26	26	28	15	<0.2	<5	<5	<5	3.34	372	<10	108	92	72	<20	<20	11	1.61	1.33	1.91	0.06	0.25	52	6	3	14	6	6	<10	0.098	<1	0.31
468003		<.2	647	<2	23	97	17	14	<0.2	<5	<5	<5	3.30	315	<10	120	84	76	<20	<20	14	1.77	1.30	1.81	0.10	0.28	59	6	2	14	6	6	<10	0.119	<1	0.10
468004		0.4	2191	2	27	55	20	16	<0.2	<5	<5	<5	3.31	316	<10	110	87	73	<20	<20	17	1.56	1.06	1.68	0.06	0.30	56	6	3	14	6	5	<10	0.058	<1	0.28
468005		<.2	1554	<2	25	2	19	15	0.3	<5	30	<5	3.15	300	<10	103	62	59	<20	<20	19	1.65	1.11	1.25	0.05	0.36	58	5	3	14	4	<5	<10	0.036	<1	0.50
468006		<.2	500	<2	27	5	21	17	<0.2	<5	<5	<5	3.43	368	<10	97	87	78	<20	<20	12	1.88	1.49	1.34	0.06	0.31	71	5	4	14	7	6	<10	0.085	<1	0.08
468007		<5	<.2	697	<2	24	5	20	16	<0.2	<5	<5	<5	2.91	368	<10	85	80	64	<20	<20	13	1.75	1.29	2.66	0.05	0.35	68	5	3	13	5	<5	<10	0.048	<1	0.14
468008		<.2	1253	2	28	556	22	16	<0.2	<5	6	<5	3.17	380	<10	105	91	71	<20	<20	14	1.85	1.37	1.91	0.06	0.41	67	6	<2	15	5	6	<10	0.072	<1	0.22
468009		0.2	776	<2	26	5	21	14	<0.2	<5	<5	<5	3.04	394	<10	121	82	72	<20	<20	10	2.20	1.49	1.99	0.10	0.19	78	5	4	16	5	7	<10	0.169	<1	0.10
468010		<.2	295	3	24	7	18	14	<0.2	<5	<5	<5	3.13	353	<10	106	81	77	<20	<20	10	1.99	1.38	1.98	0.10	0.17	75	5	3	14	5	7	<10	0.165	<1	0.04
468011		<.2	492	2	22	7	17	12	<0.2	<5	<5	<5	3.83	306	<10	92	73	81	<20	<20	11	1.84	1.26	1.67	0.11	0.16	72	5	4	13	6	5	<10	0.164	<1	0.06
468012		<5	0.3	218	<2	24	8	20	14	<0.2	<5	<5	<5	3.12	364	<10	96	86	88	<20	<20	11	2.46	1.28	2.60	0.15	0.12	114	6	5	13	7	7	<10	0.157	<1	0.04
468013		<.2	133	<2	21	4	16	11	<0.2	<5	<5	<5	3.27	348	<10	120	72	79	<20	<20	11	2.97	1.08	3.00	0.17	0.13	140	5	7	12	6	6	<10	0.149	<1	0.03
468014		0.2	76	<2	27	4	19	14	<0.2	<5	<5	<5	3.14	348	<10	108	76	81	<20	<20	10	2.27	1.25	2.03	0.12	0.13	93	5	5	13	6	6	<10	0.165	<1	0.01
468015		0.3	707	<2	34	23	20	16	<0.2	<5	<5	<5	3.33	368	<10	100	73	78	<20	<20	9	2.28	1.46	1.66	0.09	0.17	80	5	5	15	6	6	<10	0.169	<1	0.09
468016		0.2	608	<2	26	136	17	13	<0.2	<5	<5	<5	2.83	346	<10	115	64	73	<20	<20	10	3.27	1.26	2.97	0.16	0.12	131	5	7	13	6	6	<10	0.152	<1	0.09
468017		<5	<.2	129	<2	20	4	17	11	<0.2	<5	<5	<5	2.84	320	<10	78	69	76	<20	<20	11	1.83	1.12	1.65	0.11	0.13	74	5	4	12	6	<5	<10	0.162	<1	0.02
468018		<.2	156	<2	24	4	20	12	<0.2	<5	<5	<5	2.94	337	<10	79	67	73	<20	<20	10	2.69	1.43	1.99	0.13	0.09	103	5	6	15	6	6	<10	0.150	<1	0.03
468019		<.2	480	2	24	13	21	14	<0.2	<5	<5	<5	2.84	342	<10	81	70	66	<20	<20	10	2.36	1.19	2.81	0.11	0.25	85	6	4	14	6	5	<10	0.084	<1	0.12
468020		<.2	59	<2	24	4	19	14	<0.2	<5	<5	<5	3.14	302	<10	73	74	69	<20	<20	10	2.32	1.21	1.60	0.12	0.17	90	5	4	14	6	6	<10	0.092	<1	0.03
468021		<.2	61	2	24	5	18	13	0.2	<5	<5	<5	3.11	381	<10	90	76	74	<20	<20	9	1.88	1.42	1.84	0.10	0.16	72	5	3	16	7	6	<10	0.164	<1	0.02
468022		<5	0.3	253	3	40	37	23	17	<0.2	<5	<5	<5	3.25	586	<10	71	96	68	<20	<20	10	1.66	1.34	2.42	0.05	0.28	49	6	2	18	4	6	<10	0.086	<1	0.04

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468023			<.2	52	<2	24	19	19	15	<0.2	<5	<5	<5	3.07	387	<10	73	76	65	<20	<20	10	1.65	1.29	1.57	0.07	0.23	63	6	3	15	5	5	<10	0.059	<1	0.02
468024			<.2	56	<2	27	10	25	16	<0.2	<5	<5	<5	3.34	399	<10	83	87	70	<20	<20	11	1.68	1.38	1.40	0.07	0.25	55	6	3	15	5	5	<10	0.068	<1	0.02

BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Geochemical Lab Report

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
OX5 Oxide		955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<5	<.2	2	<2	<1	<1	<1	<1	<0.2	<5	<5	<5	<.01	<1	<10	<1	1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	2	<2	<1	<1	<1	<1	<0.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	2	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
CANMET LKSD-2		-	<.2	38	38	187	2	24	19	1.0	<5	10	<5	3.79	1762	<10	210	32	48	<20	<20	60	1.67	0.65	0.61	0.03	0.25	32	31	<2	17	5	7	<10	0.078	2	0.18
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	38	38	187	2	24	19	1.0	3	10	3	3.79	1762	5	210	32	48	10	10	60	1.67	0.65	0.61	0.03	0.25	32	31	1	17	5	7	5	0.078	2	0.18
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.8	36	40	200	2	23	16	0.8	-	9	1	3.50	1840	-	211	29	48	-	-	58	1.68	0.60	0.58	0.04	0.26	30	29	4	18	6	7	-	-	-	0.16
GS01-1 In-House		-	3.3	330	4834	972	4358	197	15	10.6	<5	72	236	2.13	685	<10	232	263	49	<20	<20	18	0.83	0.40	0.71	0.05	0.13	50	8	<2	8	5	<5	<10	0.070	10	0.71
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	3.3	330	4834	972	4358	197	15	10.6	3	72	236	2.13	685	5	232	263	49	10	10	18	0.83	0.40	0.71	0.05	0.13	50	8	1	8	5	3	5	0.070	10	0.71
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	4.4	326	4207	996	4604	202	20	9.5	2	67	239	1.92	695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60

BONDAR CLEGG

Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
407819			<.2	544	<2	27	24	22	16	<0.2	<5	<5	<5	3.31	387	<10	136	97	80	<20	<20	10	2.06	1.49	1.71	0.10	0.25	59	5	5	17	6	6	<10	0.164	<1	0.07
Duplicate			<.2	563	<2	28	25	22	16	<0.2	<5	<5	<5	3.50	398	<10	135	102	83	<20	<20	11	2.07	1.50	1.70	0.10	0.26	63	6	4	17	6	7	<10	0.165	<1	0.07
407836			<.2	506	<2	30	6	21	15	<0.2	<5	<5	<5	3.21	416	<10	80	90	78	<20	<20	12	2.00	1.47	1.38	0.08	0.23	54	5	4	18	6	6	<10	0.183	<1	0.05
Duplicate			<.2	485	3	30	6	20	15	<0.2	<5	<5	<5	3.22	409	<10	78	87	80	<20	<20	12	1.97	1.44	1.38	0.08	0.22	54	5	4	18	7	7	<10	0.183	<1	0.05
468006			<.2	500	<2	27	5	21	17	<0.2	<5	<5	<5	3.43	368	<10	97	87	78	<20	<20	12	1.88	1.49	1.34	0.06	0.31	71	5	4	14	7	6	<10	0.085	<1	0.08
Duplicate			<.2	491	<2	27	5	22	17	0.2	<5	5	<5	3.33	356	<10	93	86	74	<20	<20	12	1.80	1.45	1.32	0.06	0.29	67	5	3	14	6	6	<10	0.080	<1	0.08
468023			<.2	52	<2	24	19	19	15	<0.2	<5	<5	<5	3.07	387	<10	73	76	65	<20	<20	10	1.65	1.29	1.57	0.07	0.23	63	6	3	15	5	5	<10	0.059	<1	0.02
Duplicate			<.2	51	<2	24	21	19	15	<0.2	<5	<5	<5	3.09	378	<10	72	76	68	<20	<20	10	1.65	1.28	1.56	0.07	0.23	63	6	3	14	5	5	<10	0.061	<1	0.02

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02104.0 (COMPLETE) DATE RECEIVED: 22-OCT-01 DATE PRINTED: 26-OCT-01 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468025			<.2	20	8	49	2	14	8	0.3	<5	5	<5	2.78	669	<10	69	65	35	<20	<20	8	0.97	0.59	1.31	0.06	0.16	43	10	4	6	1	<5	<10	0.043	3	0.03
468026			<.2	28	7	67	3	42	19	0.4	<5	27	<5	5.04	799	<10	89	84	76	<20	<20	17	2.06	1.82	2.59	0.06	0.12	51	8	12	19	3	5	<10	0.051	1	0.07
468027			<.2	27	8	66	2	46	19	0.2	<5	10	<5	4.89	690	<10	84	105	85	<20	<20	17	1.64	2.02	2.42	0.07	0.10	61	8	12	17	4	6	<10	0.065	1	0.04
468028			<.2	16	8	76	2	46	20	0.4	<5	20	<5	4.84	754	<10	81	98	86	<20	<20	16	1.67	1.93	2.50	0.07	0.09	57	7	12	17	4	6	<10	0.055	2	0.07
468029		<5	<.2	64	26	205	<1	48	20	0.6	<5	24	<5	7.21	894	<10	88	70	66	<20	<20	13	1.88	1.82	2.26	0.04	0.16	53	7	12	20	2	<5	<10	0.017	<1	0.09
468030			<.2	108	13	67	55	35	27	0.9	<5	278	<5	4.62	212	<10	175	28	24	<20	<20	2	0.85	0.45	0.39	0.03	0.34	51	3	4	6	<1	<5	<10	<.010	<1	0.62
468031			<.2	264	16	51	11	11	9	0.5	<5	98	<5	2.83	223	<10	395	28	11	<20	<20	19	0.83	0.28	0.39	0.07	0.35	86	9	3	4	<1	<5	<10	<.010	<1	0.09
468032			<.2	145	9	21	1	8	5	0.2	<5	<5	<5	2.02	162	<10	491	38	13	<20	<20	6	0.76	0.32	0.55	0.08	0.28	90	5	3	5	<1	<5	<10	<.010	<1	0.13
468033			<.2	106	4	29	16	11	9	<.2	<5	<5	<5	3.05	206	<10	391	41	23	<20	<20	7	0.94	0.51	0.83	0.07	0.29	80	9	4	5	<1	<5	<10	<.010	<1	0.06
468034		<5	<.2	165	3	28	4	10	11	<.2	<5	<5	<5	3.16	444	<10	268	43	31	<20	<20	10	1.19	0.82	2.59	0.06	0.34	63	8	5	5	<1	<5	<10	0.025	<1	0.43
468035			<.2	173	4	28	3	10	13	0.2	<5	<5	<5	2.80	309	<10	296	74	41	<20	<20	10	1.77	0.86	1.28	0.08	0.54	53	6	5	9	1	<5	<10	0.108	<1	0.53
468036			<.2	74	3	32	2	13	11	<.2	<5	<5	<5	3.17	342	<10	361	81	55	<20	<20	11	1.78	1.10	0.96	0.08	0.76	46	7	3	7	2	<5	<10	0.189	<1	0.35
468037			<.2	47	3	27	2	10	9	<.2	<5	<5	<5	2.74	290	<10	281	74	46	<20	<20	10	1.67	0.93	0.90	0.08	0.57	45	7	5	9	2	<5	<10	0.122	<1	0.34
468038			<.2	90	3	18	3	6	9	<.2	<5	<5	<5	2.00	234	<10	156	57	27	<20	<20	9	1.23	0.59	1.49	0.05	0.29	35	5	4	8	<1	<5	<10	0.057	<1	0.51
468039		<5	<.2	142	3	27	6	10	12	<.2	<5	<5	<5	3.04	263	<10	167	76	35	<20	<20	12	1.50	0.74	0.68	0.07	0.40	32	6	5	8	1	<5	<10	0.085	<1	0.76
468040			<.2	131	4	28	13	10	16	0.2	<5	<5	<5	4.24	315	<10	56	52	45	<20	<20	7	1.76	0.95	0.78	0.06	0.50	41	6	6	10	1	<5	<10	0.092	<1	1.77
468041			<.2	37	5	6	15	2	5	<.2	<5	<5	<5	2.42	260	<10	52	28	4	<20	<20	8	0.94	0.18	1.88	0.04	0.22	46	4	3	9	<1	<5	<10	<.010	2	2.05
468042			<.2	48	3	8	6	2	6	<.2	<5	9	<5	2.96	61	<10	38	34	3	<20	<20	9	1.02	0.15	0.19	0.04	0.19	23	3	4	22	<1	<5	<10	<.010	2	2.54
468043			<.2	92	4	7	4	2	11	<.2	<5	6	<5	2.98	45	<10	28	47	7	<20	<20	8	1.26	0.15	0.12	0.05	0.28	19	3	5	33	<1	<5	<10	<.010	2	2.67
468044		<5	<.2	371	5	30	4	5	12	0.3	<5	8	<5	6.69	247	<10	24	31	39	<20	<20	7	2.04	0.91	1.39	0.06	0.40	48	8	11	13	<1	6	<10	0.019	<1	4.11
468045			<.2	191	5	27	28	3	11	0.3	<5	<5	<5	5.50	261	<10	31	28	43	<20	<20	6	2.16	1.04	1.87	0.06	0.45	57	8	12	15	<1	9	<10	0.033	<1	3.02
468046			<.2	153	4	22	22	6	14	0.2	<5	11	<5	4.09	169	<10	41	38	18	<20	<20	7	1.52	0.64	1.31	0.04	0.32	37	7	6	9	<1	<5	<10	<.010	<1	2.85
468047			<.2	315	7	27	16	6	26	0.2	<5	<5	<5	6.53	242	<10	22	40	42	<20	<20	3	2.03	0.96	1.87	0.06	0.53	50	7	9	11	<1	8	<10	0.043	<1	4.13
468048			<.2	247	4	20	15	4	24	0.3	<5	<5	<5	4.82	204	<10	34	36	36	<20	<20	5	1.81	0.85	1.06	0.06	0.58	42	5	7	10	<1	7	<10	0.062	1	2.93
468049		<5	<.2	87	3	10	11	1	7	<.2	<5	21	<5	1.59	70	<10	55	30	2	<20	<20	6	0.62	0.09	0.25	0.04	0.13	10	3	2	3	<1	<5	<10	<.010	2	0.96
468050			<.2	127	9	22	7	2	6	0.5	<5	117	<5	1.94	40	<10	54	60	1	<20	<20	5	0.61	0.07	0.13	0.03	0.10	11	3	2	4	<1	<5	<10	<.010	3	1.67
468051			<.2	159	54	43	15	2	11	0.8	<5	43	<5	1.92	73	<10	52	61	1	<20	<20	4	0.52	0.07	0.20	0.05	0.09	12	3	<2	5	<1	<5	<10	<.010	2	1.67
468052			<.2	147	6	19	19	4	15	0.2	<5	16	<5	2.01	43	<10	52	98	1	<20	<20	3	0.38	0.06	0.14	0.05	0.10	11	3	<2	3	<1	<5	<10	<.010	2	1.86

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
OX5 Oxide		963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		3	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
CANMET STSD-4		-	<.2	63	12	79	2	24	11	0.5	<5	16	<5	2.99	1186	<10	949	33	43	<20	<20	12	1.24	0.66	1.06	0.04	0.10	55	9	3	8	2	<5	<10	0.072	<1	0.10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	63	12	79	2	24	11	0.5	3	16	3	2.99	1186	5	949	33	43	10	10	12	1.24	0.66	1.06	0.04	0.10	55	9	3	8	2	3	5	0.072	<1	0.10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	999	30	51	-	-	14	1.19	-	1.13	0.05	0.12	-	11	4	10	6	5	-	-	-	0.10

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468029		<5	<.2	64	26	205	<1	48	20	0.6	<5	24	<5	7.21	894	<10	88	70	66	<20	<20	13	1.88	1.82	2.26	0.04	0.16	53	7	12	20	2	<5	<10	0.017	<1	0.09
Duplicate			<.2	60	26	199	2	44	19	0.7	<5	19	<5	6.90	855	<10	87	69	62	<20	<20	12	1.87	1.73	2.17	0.04	0.16	49	7	11	19	2	<5	<10	0.018	<1	0.09
468046			<.2	153	4	22	22	6	14	0.2	<5	11	<5	4.09	169	<10	41	38	18	<20	<20	7	1.52	0.64	1.31	0.04	0.32	37	7	6	9	<1	<5	<10	<.010	<1	2.85
Duplicate			<.2	149	5	21	21	6	13	0.3	<5	6	<5	3.92	162	<10	35	37	18	<20	<20	7	1.46	0.63	1.27	0.04	0.31	36	7	6	9	<1	<5	<10	<.010	<1	2.72

BONDAR CLEGG

ISO 9002 REGISTERED — VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02150.0 (COMPLETE) DATE RECEIVED: 26-OCT-01 DATE PRINTED: 30-OCT-01 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468053		1.3	342	173	120	164	2	31	3.2	<5	392	11	2.50	105	<10	48	25	2	<20	<20	3	0.53	0.07	0.50	0.03	0.11	17	3	<2	7	<1	<5	<10	<.010	2	2.53
468054		0.5	169	75	70	15	1	13	1.3	<5	70	<5	1.87	157	<10	51	26	2	<20	<20	4	0.54	0.15	0.58	0.04	0.08	17	3	<2	10	<1	<5	<10	<.010	2	1.59
468055		<.2	164	32	32	8	2	7	0.8	<5	143	<5	1.65	55	<10	62	36	3	<20	<20	6	0.40	0.09	0.14	0.06	0.14	11	4	<2	2	<1	<5	<10	<.010	3	1.41
468056		<.2	207	6	19	13	2	6	0.4	<5	73	<5	1.73	61	<10	53	27	2	<20	<20	4	0.44	0.10	0.21	0.05	0.12	13	5	<2	3	<1	<5	<10	<.010	3	1.43
468057		0.2	224	20	22	9	<1	11	0.6	<5	86	<5	1.74	79	<10	60	14	3	<20	<20	5	0.62	0.10	0.23	0.02	0.09	15	5	<2	5	<1	<5	<10	<.010	2	1.39
468058		<.2	198	<2	16	16	<1	5	<.2	<5	11	<5	1.78	64	<10	67	13	3	<20	<20	10	0.75	0.12	0.17	0.02	0.11	15	5	<2	5	<1	<5	<10	<.010	3	1.21
468059		0.3	312	40	46	25	1	16	0.9	<5	39	<5	2.22	96	<10	61	12	3	<20	<20	8	0.79	0.13	0.32	0.02	0.13	16	4	<2	6	<1	<5	<10	<.010	2	1.76
468060		0.2	155	26	30	18	1	13	0.8	<5	89	<5	1.70	93	<10	48	18	3	<20	<20	5	0.56	0.12	0.36	0.01	0.08	13	3	<2	4	<1	<5	<10	<.010	2	1.36
468061		0.2	174	75	66	9	1	10	1.0	<5	25	<5	1.80	91	<10	68	14	3	<20	<20	3	0.60	0.09	0.73	0.02	0.09	19	4	<2	4	<1	<5	<10	<.010	3	1.47
468062		8 1.2	376	58	39	30	2	14	0.8	<5	15	<5	2.18	74	<10	69	25	4	<20	<20	7	0.64	0.12	0.25	0.02	0.10	14	5	<2	4	<1	<5	<10	<.010	2	1.59
468063		1.4	297	549	98	40	2	13	2.1	<5	71	<5	2.47	191	<10	70	27	4	<20	<20	5	0.77	0.22	0.93	0.02	0.15	27	4	<2	7	<1	<5	<10	<.010	2	2.05
468064		0.4	180	137	33	28	1	13	0.7	<5	94	<5	2.20	97	<10	75	21	4	<20	<20	9	0.78	0.12	0.40	0.02	0.11	22	5	<2	6	<1	<5	<10	<.010	2	1.67
468065		0.2	451	3	25	68	3	18	0.8	<5	228	<5	5.03	179	<10	27	22	51	<20	<20	9	1.64	0.56	0.33	0.03	0.47	31	7	<2	11	3	10	<10	0.052	<1	3.24
468066		0.3	645	8	29	110	3	24	0.3	<5	33	<5	5.84	193	<10	26	12	50	<20	<20	9	2.07	0.87	0.35	0.04	0.45	43	11	<2	14	2	12	<10	0.023	<1	3.92
468067		<.2	364	3	34	117	3	19	<.2	<5	22	<5	5.75	313	<10	39	9	60	<20	<20	7	2.58	1.24	0.39	0.04	0.78	36	10	<2	18	2	15	<10	0.106	<1	2.35
468068		<.2	138	2	31	9	2	12	<.2	<5	13	<5	3.94	363	<10	157	6	50	<20	<20	7	2.32	1.15	1.07	0.04	0.83	45	8	<2	15	2	15	<10	0.121	<1	1.10
468069		0.2	368	<2	27	27	2	20	<.2	<5	37	<5	5.33	253	<10	30	6	41	<20	<20	7	1.88	0.83	0.75	0.03	0.43	29	7	<2	13	1	11	<10	0.042	<1	3.20
468070		<.2	197	<2	35	58	5	15	0.3	<5	51	<5	5.53	308	<10	44	12	95	<20	<20	8	2.36	1.15	0.21	0.04	0.77	36	7	<2	17	5	19	<10	0.098	<1	2.13
468071		<.2	383	<2	24	140	3	8	<.2	<5	14	<5	4.00	202	<10	37	8	23	<20	<20	10	1.63	0.73	0.29	0.04	0.31	41	10	<2	13	<1	9	<10	0.029	<1	2.39
468072		6 <.2	204	<2	31	17	2	11	<.2	<5	<5	<5	4.97	402	<10	91	10	42	<20	<20	9	2.38	1.07	1.21	0.07	0.60	85	11	2	17	1	15	<10	0.084	<1	1.19
468073		<.2	264	<2	31	28	1	12	<.2	<5	<5	<5	5.42	416	<10	71	7	37	<20	<20	9	2.40	1.13	1.66	0.08	0.60	96	13	2	17	1	14	<10	0.087	<1	1.46
468074		<.2	213	<2	35	12	3	17	<.2	<5	<5	<5	5.70	468	<10	123	11	70	<20	<20	9	2.73	1.29	1.98	0.09	0.82	114	11	3	16	3	16	<10	0.103	<1	0.99
468075		<.2	125	<2	48	13	5	18	0.2	<5	14	<5	5.39	508	<10	249	18	107	<20	<20	6	2.66	1.55	1.28	0.03	1.00	30	7	<2	18	5	15	<10	0.118	<1	0.71
468076		0.4	719	30	43	44	2	19	0.4	<5	18	<5	3.61	186	<10	32	17	41	<20	<20	7	1.43	0.62	0.94	0.03	0.27	31	7	<2	12	2	8	<10	0.024	<1	2.25
468077		0.3	180	38	38	9	2	4	0.7	<5	86	<5	1.39	39	<10	74	58	2	<20	<20	4	0.44	0.06	0.18	0.02	0.08	17	4	<2	4	<1	<5	<10	<.010	2	1.35
468078		0.2	162	9	18	44	2	7	0.3	<5	23	<5	1.98	34	<10	69	32	3	<20	<20	8	0.60	0.08	0.15	0.02	0.10	22	4	<2	6	<1	<5	<10	<.010	3	1.78
468079		<.2	197	<2	13	96	4	3	<.2	<5	<5	<5	2.23	138	<10	31	43	2	<20	<20	6	0.47	0.11	0.16	0.03	0.12	20	5	<2	2	<1	<5	<10	<.010	3	1.54
468080		1.8	323	106	67	25	2	5	1.5	<5	19	<5	2.06	116	<10	81	37	3	<20	<20	5	0.52	0.15	0.40	0.03	0.08	20	5	<2	6	<1	<5	<10	<.010	2	1.55
468081		0.7	281	58	61	34	3	4	1.2	<5	37	<5	2.00	70	<10	63	55	2	<20	<20	4	0.48	0.10	0.21	0.02	0.08	16	3	<2	5	<1	<5	<10	<.010	3	1.55
468082		14 0.6	1240	<2	32	7	19	17	<.2	<5	7	<5	3.57	324	<10	139	95	80	<20	<20	10	1.59	1.38	0.98	0.07	0.28	49	6	<2	14	4	7	<10	0.074	<1	0.16

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468083		0.2	356	<2	30	2	14	11	<.2	<5	20	<5	3.07	389	<10	121	52	66	<20	<20	37	1.17	0.95	2.10	0.05	0.20	52	6	<2	9	4	<5	<10	0.064	<1	0.06
468084		<.2	106	<2	34	2	17	12	<.2	<5	6	<5	3.23	413	<10	84	57	67	<20	<20	11	1.35	0.98	2.16	0.05	0.18	102	7	<2	9	4	6	<10	0.026	<1	0.04
468085		<.2	16	<2	37	<1	17	13	<.2	<5	<5	<5	3.34	337	<10	154	61	76	<20	<20	11	1.32	0.96	1.56	0.07	0.17	78	6	<2	12	4	6	<10	0.054	<1	0.01
468086		<.2	141	<2	35	<1	17	16	<.2	<5	<5	<5	3.21	398	<10	573	49	68	<20	<20	12	1.53	1.14	2.20	0.07	0.15	82	7	2	14	3	6	<10	0.039	<1	0.04
468087		<.2	189	<2	30	<1	14	14	<.2	<5	7	<5	2.76	255	<10	183	57	78	<20	<20	10	1.20	0.94	0.77	0.10	0.15	47	4	<2	12	4	<5	<10	0.127	<1	0.01
468088		1.0	1370	<2	29	1	14	16	<.2	<5	5	<5	2.94	238	<10	186	72	79	<20	<20	9	1.21	0.96	0.63	0.10	0.16	45	4	<2	12	4	<5	<10	0.133	<1	0.14
468089		0.2	354	<2	32	1	17	15	<.2	<5	<5	<5	3.36	270	<10	136	76	81	<20	<20	10	1.36	0.98	1.23	0.09	0.24	49	6	<2	11	4	6	<10	0.088	<1	0.06
468090		<.2	157	<2	27	<1	15	13	<.2	<5	<5	<5	3.09	250	<10	187	78	76	<20	<20	12	1.68	1.23	0.94	0.11	0.26	65	7	<2	14	4	5	<10	0.102	<1	0.01
468091		0.4	882	<2	30	<1	16	20	<.2	<5	<5	<5	3.33	299	<10	153	63	77	<20	<20	9	1.59	1.26	1.22	0.08	0.28	59	5	<2	15	4	5	<10	0.077	<1	0.08
468092		7 0.4	401	<2	36	<1	16	13	<.2	<5	<5	<5	3.33	359	<10	367	63	68	<20	<20	10	1.05	1.12	2.37	0.05	0.25	59	7	<2	9	4	7	<10	0.062	<1	0.06
468093		0.4	749	<2	28	1	16	24	<.2	<5	16	<5	3.38	257	<10	159	69	78	<20	<20	9	1.14	0.98	0.97	0.07	0.22	45	5	<2	11	4	<5	<10	0.117	<1	0.24
468094		<.2	414	<2	27	2	16	16	<.2	<5	<5	<5	3.19	266	<10	148	90	85	<20	<20	8	1.42	1.14	0.78	0.08	0.15	46	4	<2	16	4	<5	<10	0.157	<1	0.08
468095		0.2	247	<2	29	2	14	12	<.2	<5	<5	<5	2.98	245	<10	125	79	81	<20	<20	8	1.13	0.91	0.95	0.08	0.15	44	4	<2	13	5	<5	<10	0.148	<1	0.02
468096		<.2	81	<2	25	<1	14	14	<.2	<5	<5	<5	2.96	230	<10	117	85	82	<20	<20	9	1.00	0.82	0.63	0.08	0.13	40	4	<2	11	5	<5	<10	0.138	<1	0.08
468097		0.3	396	<2	28	<1	15	16	<.2	<5	<5	<5	3.05	245	<10	101	103	84	<20	<20	9	1.00	0.86	0.70	0.08	0.13	36	4	<2	11	5	<5	<10	0.133	<1	0.17
468098		<.2	10	<2	26	<1	14	13	<.2	<5	<5	<5	2.99	236	<10	116	75	82	<20	<20	9	1.13	0.93	0.71	0.09	0.15	40	4	<2	13	5	<5	<10	0.155	<1	0.01
468099		<.2	94	<2	28	1	16	14	<.2	<5	<5	<5	3.22	263	<10	111	90	83	<20	<20	8	1.27	1.04	0.78	0.09	0.17	44	4	<2	13	4	<5	<10	0.154	<1	0.02

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
OX9 Oxide		469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	2	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	<1	1	<1	<1	1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
CANMET STSD-4		-	<.2	63	11	78	1	24	11	0.5	<5	12	<5	2.82	1160	<10	945	30	49	<20	<20	13	1.18	0.63	1.04	0.04	0.10	61	10	<2	9	4	<5	<10	0.058	<1	0.10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	63	11	78	1	24	11	0.5	3	12	3	2.82	1160	5	945	30	49	10	10	13	1.18	0.63	1.04	0.04	0.10	61	10	1	9	4	3	5	0.058	<1	0.10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	999	30	51	-	-	14	1.19	-	1.13	0.05	0.12	-	11	4	10	6	5	-	-	-	0.10
GS91-1 In-House		-	0.6	97	6	78	<1	36	22	0.3	<5	7	<5	4.84	711	<10	225	53	130	<20	<20	7	3.33	1.67	0.99	0.05	0.33	39	8	<2	26	6	11	<10	0.155	5	0.03
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.6	97	6	78	<1	36	22	0.3	3	7	3	4.84	711	5	225	53	130	10	10	7	3.33	1.67	0.99	0.05	0.33	39	8	1	26	6	11	5	0.155	5	0.03
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468053			1.3	342	173	120	164	2	31	3.2	<5	392	11	2.50	105	<10	48	25	2	<20	<20	3	0.53	0.07	0.50	0.03	0.11	17	3	<2	7	<1	<5	<10	<.010	2	2.53
Duplicate			1.2	346	179	122	169	2	30	3.1	<5	387	11	2.53	107	<10	41	25	3	<20	<20	3	0.48	0.07	0.51	0.03	0.11	17	3	<2	7	<1	<5	<10	<.010	2	2.63
468071			<.2	383	<2	24	140	3	8	<.2	<5	14	<5	4.00	202	<10	37	8	23	<20	<20	10	1.63	0.73	0.29	0.04	0.31	41	10	<2	13	<1	9	<10	0.029	<1	2.39
Duplicate			<.2	386	<2	24	147	2	8	<.2	<5	14	<5	4.06	203	<10	35	7	23	<20	<20	11	1.61	0.74	0.29	0.04	0.31	42	10	<2	13	<1	9	<10	0.030	<1	2.43
468090			<.2	157	<2	27	<1	15	13	<.2	<5	<5	<5	3.09	250	<10	187	78	76	<20	<20	12	1.68	1.23	0.94	0.11	0.26	65	7	<2	14	4	5	<10	0.102	<1	0.01
Duplicate			<.2	149	<2	27	<1	20	13	<.2	<5	<5	<5	3.04	247	<10	186	79	74	<20	<20	12	1.64	1.22	0.96	0.10	0.26	64	6	<2	14	4	5	<10	0.100	<1	0.01

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: VD1-02161.0 (COMPLETE) DATE RECEIVED: 29-OCT-01 DATE PRINTED: 2-NOV-01 PAGE 1 OF 6

SAMPLE NUMBER	ELEMENT	Au30	Ag	Cu	CuOL	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
	UNITS	PPB	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
468100			<.2	13		8	28	<1	15	12	<.2	<5	<5	<5	2.91	288	<10	127	79	72	<20	<20	9	1.47	1.05	1.08	0.12	0.13	66	4	2	12	4	<5	<10	0.142	2	<.01
468101			<.2	7		<2	24	<1	14	11	<.2	<5	<5	<5	3.12	268	<10	109	74	71	<20	<20	8	1.38	1.02	0.93	0.12	0.15	58	4	<2	12	5	<5	<10	0.135	2	<.01
468102			<.2	73		<2	28	<1	14	12	0.2	<5	<5	<5	3.04	314	<10	108	65	69	<20	<20	10	1.42	1.03	1.36	0.12	0.16	73	5	<2	12	4	<5	<10	0.093	2	0.02
468103			<.2	199		<2	29	<1	14	12	<.2	<5	<5	<5	2.94	308	<10	102	75	70	<20	<20	10	1.29	0.94	1.03	0.12	0.15	57	4	<2	11	4	<5	<10	0.121	2	0.03
468104			<.2	226		<2	27	<1	15	11	<.2	<5	<5	<5	2.65	305	<10	79	80	54	<20	<20	9	1.18	0.97	1.22	0.10	0.18	52	5	<2	11	4	<5	<10	0.096	2	0.03
468105			<.2	132		<2	26	1	14	10	<.2	<5	<5	<5	2.79	309	<10	95	87	61	<20	<20	9	1.22	0.87	1.43	0.11	0.16	59	5	<2	10	4	<5	<10	0.100	2	0.02
468106			<.2	420		<2	28	<1	13	11	<.2	<5	<5	<5	2.95	317	<10	99	68	66	<20	<20	11	1.17	0.80	1.10	0.12	0.14	63	4	3	10	4	<5	<10	0.100	2	0.06
468107			<.2	22		<2	29	<1	14	11	<.2	<5	<5	<5	3.24	345	<10	99	75	72	<20	<20	10	1.38	1.01	1.06	0.13	0.15	62	5	<2	11	5	<5	<10	0.117	2	0.01
468108			<.2	518		<2	31	<1	17	12	<.2	<5	<5	<5	3.08	403	<10	63	67	65	<20	<20	11	1.50	1.20	1.50	0.09	0.20	77	8	<2	13	4	5	<10	0.047	2	0.06
468109		<5	<.2	169		<2	27	2	14	13	<.2	<5	<5	<5	3.02	323	<10	72	56	65	<20	<20	9	1.45	1.12	1.06	0.10	0.15	70	5	<2	13	4	<5	<10	0.065	2	0.05
468110			0.2	984		<2	33	<1	17	17	0.3	<5	<5	5	4.63	365	<10	65	60	95	<20	<20	10	1.40	1.18	0.90	0.07	0.21	57	6	3	13	5	<5	<10	0.053	2	0.14
468111			<.2	297		<2	28	<1	15	12	<.2	<5	<5	<5	2.93	350	<10	84	59	62	<20	<20	14	1.35	1.06	1.28	0.10	0.20	66	8	<2	12	4	5	<10	0.075	2	0.03
468112			<.2	361		<2	32	1	17	16	<.2	<5	10	<5	3.46	373	<10	92	89	74	<20	<20	9	1.54	1.39	1.02	0.10	0.22	56	5	<2	15	5	6	<10	0.126	2	0.02
468113			<.2	26		<2	29	<1	16	13	0.2	<5	<5	<5	3.30	356	<10	95	97	73	<20	<20	9	1.41	1.18	1.20	0.12	0.19	57	6	<2	13	5	5	<10	0.126	2	0.01
468114			<.2	26		<2	28	1	15	12	<.2	<5	<5	<5	3.18	275	<10	101	104	76	<20	<20	10	1.32	0.93	0.89	0.13	0.16	55	4	<2	11	5	<5	<10	0.141	2	<.01
468115			<.2	72		<2	30	<1	16	12	<.2	<5	<5	<5	3.26	312	<10	84	93	76	<20	<20	10	1.32	1.05	1.13	0.11	0.14	55	5	<2	12	5	<5	<10	0.120	2	0.02
468116			<.2	12		<2	29	<1	17	13	0.2	<5	<5	<5	3.10	322	<10	70	107	61	<20	<20	10	1.50	1.24	0.96	0.13	0.16	78	5	<2	15	4	5	<10	0.106	2	<.01
468117			<.2	26		<2	27	1	17	13	<.2	<5	12	<5	3.31	301	<10	77	92	70	<20	<20	9	1.37	1.10	0.90	0.11	0.14	69	5	<2	14	4	<5	<10	0.097	2	0.03
468118			<.2	116		<2	30	<1	15	13	<.2	<5	<5	<5	3.26	317	<10	73	71	71	<20	<20	9	1.35	1.11	0.95	0.10	0.14	54	5	<2	13	4	<5	<10	0.105	2	0.02
468119		<5	<.2	163		<2	33	<1	17	14	0.2	<5	<5	<5	3.50	457	<10	61	78	76	<20	<20	10	1.49	1.34	1.25	0.09	0.18	56	5	<2	17	4	<5	<10	0.103	2	0.01
468120			<.2	167		<2	31	<1	15	12	<.2	<5	<5	<5	3.39	416	<10	67	63	72	<20	<20	10	1.41	1.21	1.27	0.10	0.16	54	6	<2	14	5	<5	<10	0.081	2	0.01
468121			0.2	880		<2	33	15	16	13	<.2	<5	<5	<5	3.32	314	<10	91	86	68	<20	<20	9	1.34	1.04	0.95	0.11	0.18	51	4	<2	13	5	<5	<10	0.093	2	0.13
468122			<.2	170		<2	41	2	15	13	0.2	<5	<5	<5	3.31	354	<10	114	107	74	<20	<20	9	1.25	1.03	1.04	0.11	0.22	50	5	<2	11	4	<5	<10	0.121	2	0.03
468123			0.3	746		3	59	2	15	10	0.3	<5	39	12	2.84	446	<10	61	56	59	<20	<20	11	1.39	0.57	3.33	0.07	0.21	76	6	3	13	3	5	<10	0.038	2	0.08
468124			<.2	403		<2	34	3	15	15	<.2	<5	<5	<5	3.20	363	<10	76	103	75	<20	<20	11	1.19	0.90	1.22	0.11	0.15	68	5	<2	11	4	<5	<10	0.082	2	0.07
468125			<.2	55		<2	30	2	16	13	<.2	<5	<5	<5	3.26	383	<10	68	91	77	<20	<20	11	1.31	1.04	1.38	0.10	0.16	61	5	<2	13	4	<5	<10	0.087	2	0.01
468126			<.2	578		<2	32	2	17	15	<.2	<5	<5	<5	3.31	376	<10	61	93	73	<20	<20	11	1.48	1.09	1.39	0.11	0.15	79	5	<2	14	5	5	<10	0.067	2	0.07
468127			<.2	443		<2	60	2	17	14	<.2	<5	29	58	3.64	413	<10	73	102	79	<20	<20	11	1.39	1.13	1.47	0.10	0.16	68	6	3	15	5	<5	<10	0.064	2	0.05
468128			<.2	53		<2	32	<1	16	12	<.2	<5	<5	<5	3.06	365	<10	84	114	77	<20	<20	11	1.03	0.84	1.26	0.10	0.15	53	4	2	11	4	<5	<10	0.117	2	0.01
468129		<5	<.2	34		<2	35	2	14	12	0.2	<5	<5	<5	3.04	349	<10	91	117	78	<20	<20	11	1.11	0.85	1.19	0.10	0.15	53	4	<2	12	4	<5	<10	0.126	2	0.01

BONDAR CLEGG

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468130			<.2	13		<2	35	1	14	11	<.2	<5	<5	<5	3.01	312	<10	80	82	75	<20	<20	11	1.06	0.75	1.11	0.12	0.14	62	4	<2	11	4	<5	<10	0.111	2	<.01
468131			<.2	22		<2	35	4	15	12	0.2	<5	<5	<5	3.14	351	<10	83	108	79	<20	<20	12	1.22	0.77	1.32	0.12	0.15	83	5	2	11	5	<5	<10	0.092	2	0.01
468132			<.2	61		<2	33	34	17	12	0.2	<5	<5	<5	3.21	442	<10	78	81	74	<20	<20	12	1.50	1.07	1.43	0.11	0.17	92	5	<2	13	5	<5	<10	0.068	2	0.02
468133			<.2	15		<2	34	3	15	11	<.2	<5	<5	<5	3.16	399	<10	76	99	79	<20	<20	12	1.44	0.76	1.67	0.12	0.15	103	6	3	10	5	6	<10	0.071	2	0.01
468134			<.2	162		<2	34	16	14	11	0.2	<5	<5	<5	3.23	417	<10	79	80	74	<20	<20	13	1.74	0.93	1.67	0.13	0.15	115	6	3	14	5	<5	<10	0.072	2	0.03
468135			<.2	355		<2	34	3	12	10	<.2	<5	7	15	2.66	370	<10	55	75	53	<20	<20	12	1.61	0.97	1.20	0.11	0.13	90	4	2	13	4	<5	<10	0.033	2	0.04
468136			0.2	308		<2	38	1	12	10	<.2	<5	22	43	2.70	320	<10	79	69	55	<20	<20	10	1.60	0.83	1.17	0.11	0.14	121	4	<2	11	4	<5	<10	0.043	1	0.04
468137			<.2	223		<2	28	13	12	10	<.2	<5	<5	<5	2.69	386	<10	85	98	56	<20	<20	10	1.39	0.77	1.70	0.12	0.16	75	5	2	11	4	<5	<10	0.062	2	0.05
468138			0.6	1456		<2	55	2	25	22	0.2	<5	<5	<5	4.48	859	<10	180	70	71	<20	<20	17	2.36	1.08	4.46	0.08	0.43	100	10	5	16	6	6	<10	<.010	2	0.14
468139		28	0.8	2266		<2	49	2	22	21	<.2	<5	44	<5	4.28	567	<10	286	96	95	<20	<20	13	2.06	1.56	2.08	0.12	0.35	69	8	4	14	5	7	<10	0.094	2	0.20
468140			<.2	704		<2	37	<1	20	16	0.2	<5	<5	<5	4.03	478	<10	218	120	93	<20	<20	10	1.67	1.73	0.98	0.15	0.26	60	6	<2	12	6	7	<10	0.162	3	0.09
468141			<.2	82		<2	34	2	17	15	0.3	<5	<5	<5	3.66	418	<10	145	103	95	<20	<20	12	1.49	1.38	1.03	0.16	0.15	62	4	<2	11	5	<5	<10	0.183	4	0.03
468142			<.2	296		<2	26	2	15	14	<.2	<5	<5	<5	3.19	325	<10	173	101	76	<20	<20	9	1.29	1.12	0.79	0.12	0.15	45	4	<2	11	5	<5	<10	0.177	3	0.05
468301			1.8	6579		5	71	17	11	27	0.7	<5	<5	<5	7.22	371	<10	52	47	108	<20	<20	4	2.69	1.11	1.52	0.16	0.65	56	12	5	26	7	17	<10	0.061	3	2.49
468302			<.2	329		<2	38	<1	11	20	0.4	<5	<5	<5	6.02	472	<10	102	57	97	<20	<20	4	2.70	1.52	1.28	0.15	0.99	60	9	4	19	7	16	<10	0.157	3	0.97
468303			<.2	58		<2	67	6	17	31	0.5	<5	<5	<5	6.39	1219	<10	806	86	221	<20	<20	3	4.62	3.91	1.43	0.25	1.92	147	4	3	33	8	25	<10	0.284	2	0.04
468304			<.2	273		<2	40	10	22	22	0.3	<5	<5	<5	4.97	633	<10	315	102	121	<20	<20	4	3.13	1.84	1.26	0.27	1.00	111	6	3	18	7	16	<10	0.171	2	0.20
468305			<.2	112		<2	30	1	10	17	0.4	<5	<5	<5	5.94	464	<10	122	81	86	<20	<20	2	2.80	1.04	0.73	0.21	0.67	61	5	5	33	7	16	<10	0.137	2	0.06
468306			<.2	45		<2	30	<1	8	16	0.3	<5	<5	<5	5.78	492	<10	128	73	81	<20	<20	3	2.84	1.11	0.78	0.20	0.71	63	5	5	38	7	15	<10	0.139	2	0.06
468307		25	3.5	>10000	1.17	20	130	10	6	16	1.0	<5	<5	<5	6.71	484	<10	154	70	99	<20	<20	<1	3.32	1.54	0.91	0.27	1.06	80	6	5	35	6	21	<10	0.166	2	1.15
468308			<.2	431		<2	41	<1	7	21	0.9	<5	<5	<5	7.15	515	<10	436	48	145	<20	<20	<1	4.24	2.29	1.53	0.34	1.37	101	8	5	25	9	28	<10	0.178	3	0.45
468309			<.2	367		<2	36	66	5	13	0.5	<5	<5	<5	6.03	580	<10	163	54	120	<20	<20	2	5.02	2.20	2.74	0.40	1.16	123	8	5	23	8	25	<10	0.139	2	0.37
468310			<.2	516		<2	40	8	15	23	0.4	<5	<5	<5	6.41	521	<10	250	70	111	<20	<20	4	3.01	1.63	0.92	0.15	0.83	62	8	4	22	8	23	<10	0.181	3	0.23
468311			0.4	1495		<2	39	160	13	12	<.2	<5	<5	<5	2.81	392	<10	171	91	59	<20	<20	11	1.86	1.00	1.73	0.16	0.16	76	7	<2	14	4	<5	<10	0.108	2	0.18
468312			1.1	3313		4	47	99	16	14	<.2	<5	11	<5	3.22	394	<10	115	96	58	<20	<20	13	1.78	1.05	1.29	0.12	0.23	71	8	<2	18	4	<5	<10	0.084	2	0.41
468313			0.8	2783		<2	37	56	15	14	<.2	<5	<5	<5	3.11	355	<10	160	96	70	<20	<20	12	1.94	1.15	1.46	0.14	0.19	64	6	3	18	4	6	<10	0.182	2	0.29
468314			0.3	927		<2	32	8	15	14	<.2	<5	<5	<5	3.27	329	<10	156	100	78	<20	<20	10	1.65	1.03	1.19	0.13	0.18	56	5	3	16	5	5	<10	0.190	3	0.10
468315			0.3	1260		<2	39	21	16	16	<.2	<5	<5	<5	3.39	354	<10	158	102	83	<20	<20	12	2.08	1.24	1.19	0.15	0.20	78	5	4	19	6	5	<10	0.216	3	0.14
468316			0.9	3022		<2	38	8	16	16	<.2	<5	<5	<5	3.36	354	<10	141	107	77	<20	<20	10	1.94	1.16	1.19	0.14	0.18	71	5	3	18	5	5	<10	0.197	3	0.33
468317		39	0.9	3477		<2	40	69	16	16	0.2	<5	<5	<5	3.62	370	<10	145	112	79	<20	<20	49	1.80	1.14	1.43	0.13	0.19	58	6	3	17	5	<5	<10	0.189	3	0.39

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468318			0.4	1872		<2	35	1	16	14	<.2	<5	<5	<5	3.24	355	<10	148	110	75	<20	<20	13	1.72	1.10	1.41	0.12	0.18	58	5	3	17	5	6	<10	0.177	3	0.22
468319			2.0	8084		3	55	95	18	14	0.5	<5	<5	<5	3.54	361	<10	80	103	64	<20	<20	14	1.47	1.11	1.46	0.09	0.21	38	6	<2	18	3	5	<10	0.086	2	0.84
468320			0.6	2985		2	41	3	16	14	0.2	<5	<5	<5	3.29	399	<10	117	100	73	<20	<20	11	1.73	1.17	1.63	0.12	0.18	55	5	2	17	4	5	<10	0.153	3	0.33
468321			1.3	2118		2	45	9	11	20	0.3	<5	<5	<5	4.94	530	<10	157	47	128	<20	<20	8	3.15	1.48	2.00	0.18	0.22	103	10	7	23	7	14	<10	0.252	3	0.40
468322			0.2	1546		<2	44	2	5	23	0.3	<5	<5	<5	6.14	536	<10	105	36	147	<20	<20	4	2.92	1.43	2.03	0.14	0.18	77	16	8	24	8	17	<10	0.290	3	0.50
468323			<.2	749		<2	39	13	12	11	<.2	<5	<5	<5	2.82	378	<10	188	66	56	<20	<20	13	2.61	0.99	1.51	0.18	0.28	92	9	5	14	5	6	<10	0.139	2	0.11
468324			1.1	6706		12	34	39	2	6	0.3	<5	8	<5	1.91	124	<10	57	65	4	<20	<20	11	1.27	0.20	0.64	0.10	0.19	40	11	3	5	2	<5	<10	<.010	2	1.16
468325			0.5	1385		<2	28	13	2	10	<.2	<5	<5	<5	2.80	329	<10	108	59	22	<20	<20	11	2.01	0.77	0.95	0.13	0.23	53	17	4	14	4	8	<10	0.094	2	0.77
468326			0.5	1101		<2	32	23	2	10	0.2	<5	<5	<5	3.41	437	<10	124	50	30	<20	<20	8	2.11	1.02	0.92	0.11	0.43	46	16	4	17	5	12	<10	0.112	2	0.70
468327		26	1.1	3227		2	23	96	2	5	<.2	<5	<5	<5	1.78	160	<10	60	90	6	<20	<20	10	1.28	0.34	0.73	0.11	0.24	43	14	<2	6	2	<5	<10	0.019	2	0.76
468328			2.1	4376		2	35	27	5	9	<.2	<5	<5	<5	2.50	251	<10	143	59	39	<20	<20	11	1.84	0.58	1.45	0.12	0.30	70	11	4	9	3	<5	<10	0.051	2	0.66
468329			0.8	2321		2	24	37	2	5	<.2	<5	<5	<5	1.82	141	<10	59	85	13	<20	<20	14	0.90	0.24	0.55	0.07	0.24	30	11	2	6	2	<5	<10	<.010	1	0.66
468330			0.9	2734		3	18	21	5	5	<.2	<5	<5	<5	1.59	106	<10	18	98	4	<20	<20	12	0.52	0.10	0.82	0.07	0.17	15	7	2	3	1	<5	<10	<.010	1	0.61
468331			0.7	1927		4	18	22	3	6	<.2	<5	<5	<5	1.61	83	<10	23	126	4	<20	<20	13	0.60	0.12	0.32	0.08	0.17	11	7	<2	4	2	<5	<10	<.010	2	0.71

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
OX11 Oxide		2786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		2786	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		2940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<5	<.2	<1	-	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	2	-	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	2	-	2	<1	<1	1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	3	3	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Mean Value		3	0.1	1	-	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	<.1	<1	-	<1	-	-	<1	-	<.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	<.01	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
GS91-1 In-House		-	0.5	87	-	6	77	<1	35	20	0.3	<5	<5	<5	4.42	696	<10	201	54	115	<20	<20	6	3.05	1.67	0.96	0.05	0.29	38	7	3	25	7	9	<10	0.187	13	0.03
Number of Analyses		-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.5	87	-	6	77	<1	35	20	0.3	3	3	3	4.42	696	5	201	54	115	10	10	6	3.05	1.67	0.96	0.05	0.29	38	7	3	25	7	9	5	0.187	13	0.03
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	-	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03
CANMET LKSD-2		-	0.8	33	-	38	193	<1	23	16	0.9	<5	8	<5	3.59	1840	<10	215	29	40	<20	<20	60	1.66	0.64	0.57	0.03	0.22	22	26	2	17	6	<5	<10	0.074	5	0.15
Number of Analyses		-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.8	33	-	38	193	<1	23	16	0.9	3	8	3	3.59	1840	5	215	29	40	10	10	60	1.66	0.64	0.57	0.03	0.22	22	26	2	17	6	3	5	0.074	5	0.15
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.8	36	-	40	200	2	23	16	0.8	-	9	1	3.50	1840	-	211	29	48	-	-	58	1.68	0.60	0.58	0.04	0.26	30	29	4	18	6	7	-	-	-	0.16
GS01-1 In-House		-	3.9	308	-	4777	1024	4363	207	17	8.5	<5	68	233	2.00	749	<10	172	266	10	<20	<20	17	0.90	0.37	0.63	0.05	0.11	49	7	<2	8	6	<5	<10	0.065	13	0.63
Number of Analyses		-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	3.9	308	-	4777	1024	4363	207	17	8.5	3	68	233	2.00	749	5	172	266	10	10	10	17	0.90	0.37	0.63	0.05	0.11	49	7	1	8	6	3	5	0.065	13	0.63
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	4.4	326	-	4207	996	4604	202	20	9.5	2	67	239	1.92	695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
ME89-2		-	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	2300	0.23	>999	>999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	CuOL PCT	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468101			<.2	7		<2	24	<1	14	11	<.2	<5	<5	<5	3.12	268	<10	109	74	71	<20	<20	8	1.38	1.02	0.93	0.12	0.15	58	4	<2	12	5	<5	<10	0.135	2	<.01
Duplicate			<.2	8		<2	25	<1	14	12	<.2	<5	<5	<5	3.24	269	<10	110	77	72	<20	<20	9	1.44	1.03	0.93	0.13	0.15	58	5	<2	13	5	<5	<10	0.136	2	<.01
468119		<5	<.2	163		<2	33	<1	17	14	0.2	<5	<5	<5	3.50	457	<10	61	78	76	<20	<20	10	1.49	1.34	1.25	0.09	0.18	56	5	<2	17	4	<5	<10	0.103	2	0.01
Duplicate			<.2	168		<2	34	<1	17	15	<.2	<5	<5	<5	3.72	466	<10	63	83	80	<20	<20	10	1.59	1.36	1.28	0.09	0.19	57	6	<2	17	5	5	<10	0.107	2	0.01
468138			0.6	1456		<2	55	2	25	22	0.2	<5	<5	<5	4.48	859	<10	180	70	71	<20	<20	17	2.36	1.08	4.46	0.08	0.43	100	10	5	16	6	6	<10	<.010	2	0.14
Duplicate			0.6	1527		<2	55	2	25	23	0.3	<5	<5	<5	4.86	895	<10	180	70	71	<20	<20	19	2.50	1.10	4.64	0.08	0.45	101	11	6	17	6	7	<10	<.010	2	0.15
468307		25	3.5	>10000	1.17	20	130	10	6	16	1.0	<5	<5	<5	6.71	484	<10	154	70	99	<20	<20	<1	3.32	1.54	0.91	0.27	1.06	80	6	5	35	6	21	<10	0.166	2	1.15
Duplicate					1.17																																
468313			0.8	2783		<2	37	56	15	14	<.2	<5	<5	<5	3.11	355	<10	160	96	70	<20	<20	12	1.94	1.15	1.46	0.14	0.19	64	6	3	18	4	6	<10	0.182	2	0.29
Duplicate			0.8	2772		<2	37	60	15	14	<.2	<5	<5	<5	3.06	340	<10	151	92	69	<20	<20	11	1.89	1.10	1.44	0.14	0.18	60	6	2	18	5	5	<10	0.178	2	0.30
468317		39	0.9	3477		<2	40	69	16	16	0.2	<5	<5	<5	3.62	370	<10	145	112	79	<20	<20	49	1.80	1.14	1.43	0.13	0.19	58	6	3	17	5	<5	<10	0.189	3	0.39
Duplicate		40																																			

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468166		<.2	166	<2	38	1	12	10	0.2	<5	8	<5	2.69	435	<10	97	48	64	<20	<20	11	1.27	0.58	2.19	0.08	0.24	60	6	<2	10	4	6	<10	0.059	<1	0.04
468167		<.2	18	<2	37	1	13	11	<.2	<5	<5	<5	2.72	372	<10	127	67	76	<20	<20	10	1.24	0.94	0.94	0.13	0.21	56	5	<2	10	4	<5	<10	0.118	<1	<.01
468168		<.2	78	<2	34	3	11	10	0.2	<5	<5	<5	2.55	354	<10	172	66	74	<20	<20	11	1.15	0.89	0.65	0.14	0.21	56	4	<2	10	5	<5	<10	0.127	<1	0.01
468169		<.2	70	<2	40	1	14	12	<.2	<5	<5	<5	2.98	456	<10	151	58	72	<20	<20	12	1.89	1.22	1.41	0.12	0.17	92	6	<2	12	4	6	<10	0.092	<1	0.02
468170		0.3	620	<2	40	1	14	13	<.2	<5	6	<5	3.08	489	<10	131	50	69	<20	<20	11	2.08	1.21	1.77	0.11	0.15	102	6	2	12	4	5	<10	0.106	<1	0.07
468171		<.2	132	<2	34	<1	13	12	<.2	<5	7	<5	2.96	394	<10	110	46	69	<20	<20	10	2.54	1.03	1.85	0.14	0.13	129	5	3	11	4	<5	<10	0.119	<1	0.03
468172		<.2	466	<2	30	1	12	12	<.2	<5	<5	<5	2.81	340	<10	99	61	75	<20	<20	9	1.23	0.90	0.99	0.11	0.19	60	5	<2	13	5	<5	<10	0.132	<1	0.06
468173		<.2	301	<2	34	5	14	12	<.2	<5	<5	<5	3.13	476	<10	104	57	73	<20	<20	13	1.40	1.03	1.99	0.09	0.23	75	6	<2	14	4	5	<10	0.085	<1	0.04
468174		<.2	25	<2	33	<1	12	11	<.2	<5	<5	<5	2.69	356	<10	108	64	77	<20	<20	10	1.20	0.90	0.82	0.13	0.18	59	4	<2	11	4	<5	<10	0.128	<1	<.01
468175		<5	<.2	31	<2	34	<1	13	12	<.2	<5	<5	<5	2.73	417	<10	98	59	77	<20	<20	11	1.36	0.99	1.03	0.12	0.20	60	5	<2	12	4	<5	<10	0.123	<1	0.01
468176		<.2	92	<2	34	<1	12	11	<.2	<5	<5	<5	2.72	343	<10	96	66	81	<20	<20	11	1.20	0.77	0.90	0.12	0.16	57	4	<2	10	5	<5	<10	0.137	<1	0.02
468177		0.3	523	<2	34	<1	12	11	<.2	<5	<5	<5	2.70	365	<10	111	63	81	<20	<20	12	1.38	0.79	0.88	0.12	0.18	64	4	<2	11	5	<5	<10	0.137	<1	0.05
468178		0.3	1078	<2	35	1	12	11	<.2	<5	<5	<5	2.80	369	<10	100	70	81	<20	<20	12	1.37	0.79	1.09	0.13	0.19	68	5	<2	11	4	<5	<10	0.138	<1	0.13
468179		<.2	16	<2	29	1	12	10	0.2	<5	<5	<5	2.41	355	<10	99	77	80	<20	<20	12	1.10	0.76	0.93	0.15	0.23	61	5	<2	11	5	<5	<10	0.120	<1	0.01
468180		0.3	1129	<2	37	3	13	12	<.2	<5	<5	<5	3.01	409	<10	97	74	79	<20	<20	12	1.79	0.95	1.41	0.11	0.17	85	6	<2	12	4	5	<10	0.117	<1	0.13
468181		<.2	66	<2	33	1	13	11	<.2	<5	<5	<5	2.82	348	<10	105	95	84	<20	<20	11	1.38	0.78	0.93	0.12	0.18	62	4	<2	11	5	<5	<10	0.134	<1	0.01
468182		<.2	21	<2	32	2	12	12	<.2	<5	<5	<5	2.76	376	<10	101	79	80	<20	<20	12	1.60	0.81	1.22	0.11	0.17	75	5	<2	11	5	<5	<10	0.131	<1	0.01
468183		0.6	846	2	35	1	13	12	<.2	<5	<5	<5	2.84	386	<10	87	73	78	<20	<20	12	1.76	0.86	1.47	0.11	0.17	84	5	<2	11	4	<5	<10	0.115	<1	0.12
468184		<.2	52	<2	30	2	12	11	<.2	<5	<5	<5	2.58	354	<10	100	72	80	<20	<20	11	1.37	0.78	1.13	0.10	0.19	63	5	<2	11	5	<5	<10	0.130	<1	0.01
468185		<5	0.6	978	3	44	4	13	12	<.2	<5	6	<5	3.05	412	<10	100	86	84	<20	<20	14	1.73	0.90	1.35	0.11	0.17	81	5	<2	13	4	<5	<10	0.130	<1	0.15
468186		0.3	482	<2	40	4	13	12	<.2	<5	<5	<5	2.93	418	<10	114	81	86	<20	<20	13	1.64	0.98	1.26	0.12	0.20	74	6	<2	14	4	5	<10	0.122	<1	0.05
468187		<.2	208	<2	41	1	14	12	<.2	<5	<5	<5	2.91	427	<10	105	81	88	<20	<20	12	1.72	0.95	1.37	0.12	0.18	84	5	<2	12	5	<5	<10	0.131	<1	0.03
468188		<.2	279	<2	37	3	12	12	<.2	<5	<5	<5	2.83	390	<10	125	79	87	<20	<20	13	1.36	0.89	0.97	0.13	0.20	66	5	<2	12	5	<5	<10	0.130	<1	0.04
468189		<.2	24	<2	31	2	12	11	<.2	<5	<5	<5	2.62	366	<10	107	94	83	<20	<20	13	1.17	0.80	0.84	0.13	0.20	58	5	<2	11	5	<5	<10	0.126	<1	<.01
468190		0.3	479	<2	38	3	15	13	<.2	<5	<5	<5	3.12	471	<10	98	89	86	<20	<20	13	1.73	1.15	1.41	0.11	0.20	77	7	<2	16	4	6	<10	0.087	<1	0.07
468191		<.2	107	<2	43	<1	16	12	<.2	<5	<5	<5	3.28	597	<10	80	92	84	<20	<20	15	1.36	1.22	1.82	0.09	0.18	61	8	<2	15	4	7	<10	0.054	<1	0.03
468192		<.2	18	<2	37	2	12	11	<.2	<5	<5	<5	2.65	396	<10	100	81	87	<20	<20	14	1.21	0.90	0.95	0.13	0.20	63	6	<2	13	5	5	<10	0.116	<1	0.01
468193		<.2	27	<2	42	1	13	12	<.2	<5	<5	<5	2.78	460	<10	125	77	80	<20	<20	14	1.51	0.99	1.38	0.11	0.18	74	6	<2	13	4	6	<10	0.103	<1	0.02
468194		<.2	16	<2	40	3	13	12	<.2	<5	<5	<5	2.80	432	<10	145	87	84	<20	<20	14	1.63	0.92	1.23	0.12	0.19	84	6	<2	12	4	<5	<10	0.128	<1	0.01
468195		<5	<.2	26	<2	38	2	14	12	<.2	<5	<5	<5	2.87	459	<10	162	82	83	<20	<20	14	1.65	0.96	1.33	0.12	0.19	80	5	<2	13	4	<5	<10	0.135	<1	0.01

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468196			<.2	36	<2	38	6	14	12	<.2	<5	<5	<5	2.75	490	<10	145	78	78	<20	<20	14	1.96	1.19	1.56	0.12	0.19	92	6	<2	14	4	5	<10	0.102	<1	0.02
468197			<.2	33	<2	35	1	13	12	<.2	<5	<5	<5	2.73	437	<10	166	81	80	<20	<20	13	1.43	1.11	1.05	0.11	0.23	64	6	<2	12	4	5	<10	0.103	<1	0.01
468198			<.2	39	<2	42	2	17	13	<.2	<5	<5	<5	3.14	530	<10	114	83	80	<20	<20	12	1.57	1.36	1.85	0.08	0.25	52	8	<2	16	4	7	<10	0.049	<1	0.02
468199			<.2	114	<2	36	2	15	11	<.2	<5	<5	<5	2.87	554	<10	62	54	62	<20	<20	15	1.74	0.83	3.65	0.06	0.27	79	8	<2	13	3	6	<10	0.018	<1	0.04
468200			<.2	31	<2	45	2	17	12	<.2	<5	<5	<5	3.22	520	<10	113	74	76	<20	<20	14	1.68	1.10	2.37	0.07	0.27	74	8	<2	14	4	7	<10	0.032	<1	0.02
468201			<.2	120	<2	38	15	16	13	<.2	<5	<5	<5	3.09	464	<10	139	87	84	<20	<20	13	1.73	1.19	1.65	0.11	0.19	86	7	<2	14	4	7	<10	0.099	<1	0.03
468202			<.2	120	<2	33	15	13	11	<.2	<5	<5	<5	2.66	404	<10	116	76	78	<20	<20	11	1.41	0.96	1.41	0.09	0.21	70	6	<2	12	4	<5	<10	0.095	<1	0.03
468203			<.2	29	<2	30	1	12	11	<.2	<5	<5	<5	2.63	314	<10	150	89	88	<20	<20	11	1.23	0.73	0.79	0.12	0.19	65	4	<2	11	5	<5	<10	0.132	<1	0.01
468204			<.2	64	<2	29	2	11	11	<.2	<5	<5	<5	2.63	284	<10	107	78	85	<20	<20	11	1.40	0.68	1.19	0.11	0.17	67	4	<2	10	5	<5	<10	0.134	<1	0.02
468205		<5	<.2	78	<2	28	2	12	11	<.2	<5	<5	<5	2.57	274	<10	89	91	84	<20	<20	11	1.23	0.69	0.90	0.11	0.17	58	4	<2	10	5	<5	<10	0.130	<1	0.02
468206			<.2	32	8	85	<1	26	17	0.4	<5	84	<5	5.91	578	<10	64	26	54	<20	<20	13	2.18	1.10	0.62	0.14	0.29	103	6	<2	29	2	7	<10	<.010	<1	1.73
468207			<.2	78	<2	75	1	62	26	0.3	<5	86	<5	6.71	1064	<10	83	52	118	<20	<20	16	0.89	2.31	3.43	0.08	0.09	101	8	<2	7	5	9	<10	<.010	<1	0.79
468208			<.2	65	<2	76	1	74	26	<.2	<5	44	<5	6.38	977	<10	132	66	123	<20	<20	15	1.82	2.53	3.02	0.09	0.17	108	8	<2	23	6	8	<10	0.010	<1	0.88
468209			<.2	30	3	100	<1	21	19	0.2	<5	49	<5	6.25	570	<10	194	13	43	<20	<20	13	1.18	0.86	1.31	0.14	0.30	114	11	<2	8	2	8	<10	<.010	<1	0.65
468210			<.2	64	4	98	7	30	17	0.6	<5	114	<5	6.53	974	<10	131	33	60	<20	<20	14	1.58	1.32	3.06	0.09	0.18	87	9	<2	16	3	6	<10	<.010	<1	0.90
468211			<.2	28	<2	71	2	47	21	<.2	<5	21	<5	4.86	786	<10	125	88	106	<20	<20	21	1.91	2.44	2.06	0.11	0.12	69	9	2	23	5	8	<10	0.050	<1	0.06
468212			<.2	27	<2	71	2	45	20	<.2	<5	<5	<5	4.58	662	<10	124	95	99	<20	<20	21	1.76	2.24	2.33	0.11	0.16	79	9	<2	23	5	9	<10	0.056	<1	0.03
468213			<.2	67	7	95	2	57	21	0.4	<5	70	<5	4.84	787	<10	182	63	97	<20	<20	18	1.38	2.05	3.27	0.15	0.16	130	9	<2	12	5	9	<10	0.019	1	0.28
468214			<.2	54	7	204	<1	115	32	2.1	<5	60	<5	6.55	1148	<10	338	125	128	<20	<20	12	2.59	4.55	4.48	0.20	0.14	242	11	<2	24	6	15	<10	0.018	<1	0.50
468215		<5	<.2	56	<2	79	2	112	31	<.2	<5	17	<5	6.54	1002	<10	336	89	134	<20	<20	13	3.62	3.90	4.52	0.31	0.16	302	11	<2	27	6	15	<10	0.036	<1	0.34
468216			<.2	71	<2	63	6	11	18	<.2	<5	21	<5	7.04	224	<10	127	12	60	<20	<20	7	0.89	0.43	0.32	0.10	0.23	67	5	<2	42	3	7	<10	<.010	<1	0.17
468217			<.2	112	<2	8	13	2	9	<.2	<5	<5	<5	2.48	242	<10	69	43	11	<20	<20	5	0.93	0.43	1.19	0.08	0.31	78	5	<2	12	<1	<5	<10	<.010	3	1.73
468218			<.2	107	<2	15	6	2	12	<.2	<5	<5	<5	3.68	262	<10	30	32	11	<20	<20	2	0.79	0.61	2.06	0.10	0.33	94	6	<2	4	<1	<5	<10	<.010	2	3.66
468219			0.3	634	<2	19	15	2	10	<.2	<5	<5	<5	5.21	240	<10	18	29	32	<20	<20	7	0.95	0.94	2.43	0.10	0.35	125	10	<2	5	<1	<5	<10	<.010	2	4.87
468220			<.2	272	<2	12	9	3	11	<.2	<5	27	<5	3.61	139	<10	27	44	18	<20	<20	6	0.88	0.62	1.46	0.10	0.38	68	6	<2	3	<1	<5	<10	<.010	1	3.56
468221			0.3	761	<2	24	18	<1	20	0.2	<5	64	<5	5.30	172	<10	18	15	35	<20	<20	6	1.05	0.66	1.46	0.10	0.43	74	9	<2	3	1	<5	<10	<.010	1	4.90
468222			<.2	276	<2	14	12	3	17	<.2	<5	19	<5	4.10	105	<10	34	76	25	<20	<20	6	0.84	0.54	0.98	0.07	0.42	53	5	<2	2	<1	<5	<10	<.010	<1	4.11
468223			<.2	162	<2	13	10	2	14	<.2	<5	21	<5	4.25	114	<10	33	59	50	<20	<20	7	1.15	0.76	0.77	0.09	0.54	48	6	<2	5	2	<5	<10	<.010	<1	4.26
468224			<.2	373	<2	13	25	3	13	<.2	<5	24	<5	3.38	87	<10	41	75	21	<20	<20	8	0.82	0.50	0.83	0.07	0.40	41	5	<2	3	<1	<5	<10	<.010	2	3.43
468225		<5	<.2	583	<2	22	15	2	21	<.2	<5	<5	<5	5.10	100	<10	23	49	39	<20	<20	8	1.24	0.66	0.84	0.08	0.54	44	6	<2	6	1	<5	<10	<.010	2	5.15

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468226		0.3	1258	<2	40	11	<1	14	0.3	<5	5	<5	5.45	140	<10	24	18	80	<20	<20	8	1.80	1.12	0.92	0.12	0.71	71	10	<2	11	4	<5	<10	0.025	2	4.79
468227		0.2	553	<2	15	20	2	18	<.2	<5	6	<5	3.81	84	<10	32	61	35	<20	<20	8	1.08	0.63	0.43	0.08	0.42	34	5	<2	7	1	<5	<10	0.010	2	3.83
468228		<.2	502	<2	16	30	2	20	<.2	<5	6	<5	4.82	100	<10	21	68	50	<20	<20	9	1.29	0.85	0.51	0.08	0.51	36	6	<2	9	2	<5	<10	0.015	1	4.76
468229		0.2	623	<2	16	21	<1	20	<.2	<5	<5	<5	5.18	116	<10	19	29	71	<20	<20	8	1.57	0.99	0.53	0.10	0.63	47	7	<2	10	3	<5	<10	0.021	<1	5.07
468230		0.2	789	<2	17	16	<1	19	<.2	<5	10	<5	5.50	154	<10	19	31	74	<20	<20	7	1.65	1.05	0.96	0.10	0.61	53	9	<2	12	3	<5	<10	0.023	<1	5.14
468231		<.2	442	<2	17	9	1	16	<.2	<5	29	<5	5.58	136	<10	21	38	89	<20	<20	8	1.54	1.10	0.67	0.10	0.57	45	10	<2	12	5	<5	<10	0.031	<1	5.22
468232		<.2	302	<2	16	7	2	16	<.2	<5	13	<5	5.33	106	<10	22	44	64	<20	<20	9	1.35	0.94	0.60	0.08	0.53	37	8	<2	9	3	<5	<10	0.022	<1	5.02
468350		3.5	9048	4	51	8	18	17	<.2	<5	<5	<5	3.49	303	<10	186	103	80	<20	<20	10	1.76	1.13	1.11	0.12	0.17	66	5	<2	17	5	6	<10	0.147	<1	0.92
468351		1.5	4140	3	36	20	17	16	<.2	<5	6	<5	2.91	306	<10	119	68	78	<20	<20	10	1.85	1.19	1.39	0.10	0.18	67	6	<2	19	3	6	<10	0.144	<1	0.45
468352		13	0.8	1469	2	32	4	18	17	<.2	<5	7	<5	3.16	336	<10	154	79	98	<20	<20	13	1.91	1.29	1.35	0.12	0.24	67	8	<2	20	5	5	<10	0.167	<1	0.16
468353			<.2	457	<2	31	18	15	13	<.2	<5	<5	<5	2.78	366	<10	145	78	79	<20	<20	11	1.52	1.10	1.02	0.12	0.21	63	5	<2	16	4	5	<10	0.135	<1	0.06
468354			0.5	1192	<2	30	8	14	13	<.2	<5	<5	<5	2.56	358	<10	145	78	76	<20	<20	11	1.46	1.07	0.80	0.12	0.21	60	5	<2	15	4	<5	<10	0.131	<1	0.15
468355			3.9	3874	<2	37	3677	14	12	0.3	<5	10	<5	2.67	316	<10	123	107	67	<20	<20	11	1.52	0.76	1.63	0.13	0.17	75	6	<2	11	2	<5	<10	0.126	<1	0.79
468356			0.3	351	<2	34	6	16	14	<.2	<5	7	<5	2.88	415	<10	176	75	85	<20	<20	13	1.89	1.13	1.61	0.13	0.19	72	6	2	17	4	6	<10	0.135	<1	0.06
468357			<.2	536	<2	33	9	16	14	<.2	<5	<5	<5	2.99	388	<10	174	79	87	<20	<20	12	2.04	1.11	1.49	0.15	0.20	93	5	2	16	5	5	<10	0.140	<1	0.08
468358			<.2	32	<2	27	2	14	12	<.2	<5	<5	<5	2.74	336	<10	186	86	88	<20	<20	12	1.81	0.93	1.29	0.15	0.19	95	5	2	14	4	<5	<10	0.130	<1	0.02
468359			<.2	184	<2	41	1	16	14	<.2	<5	<5	<5	3.01	465	<10	188	84	84	<20	<20	15	1.88	1.15	1.56	0.14	0.24	84	6	<2	16	4	7	<10	0.112	<1	0.03
468360			<.2	299	<2	41	8	16	14	<.2	<5	5	<5	2.95	468	<10	207	63	73	<20	<20	13	3.02	1.26	2.21	0.16	0.21	134	6	4	17	3	6	<10	0.081	<1	0.05
468361			<.2	211	<2	33	18	15	13	<.2	<5	<5	<5	2.77	416	<10	173	59	77	<20	<20	12	2.87	1.15	2.05	0.16	0.15	140	6	4	14	4	7	<10	0.123	<1	0.04
468362		<5	<.2	117	<2	42	4	20	16	<.2	<5	<5	<5	5.48	512	<10	153	80	130	<20	<20	12	2.04	1.21	1.69	0.10	0.22	74	7	3	17	7	7	<10	0.097	<1	0.03
468363			<.2	320	<2	36	16	18	13	<.2	<5	<5	<5	3.02	436	<10	193	87	79	<20	<20	13	1.96	1.06	1.89	0.12	0.23	82	6	2	14	4	6	<10	0.097	<1	0.05
468364			<.2	151	<2	38	12	17	14	<.2	<5	<5	<5	3.06	472	<10	217	99	87	<20	<20	13	1.69	1.28	1.13	0.12	0.22	66	6	<2	16	5	7	<10	0.136	<1	0.03
468365			<.2	224	<2	42	28	17	14	<.2	<5	<5	<5	3.11	444	<10	168	64	81	<20	<20	13	2.23	1.42	1.68	0.12	0.18	85	7	3	17	4	7	<10	0.099	<1	0.04
468366			<.2	422	<2	41	32	18	13	<.2	<5	<5	<5	3.29	481	<10	149	75	74	<20	<20	14	1.47	0.99	2.27	0.07	0.29	56	7	<2	14	4	6	<10	0.033	<1	0.07
468367			<.2	77	<2	39	1	6	18	<.2	<5	<5	<5	7.79	526	<10	245	26	145	<20	<20	5	5.21	1.95	2.32	0.61	0.24	100	12	3	20	7	18	<10	0.049	<1	0.87
468368			<.2	16	<2	41	<1	5	12	<.2	<5	<5	<5	7.28	507	<10	274	35	125	<20	<20	6	4.49	2.07	1.67	0.49	0.71	85	10	3	16	5	19	<10	0.088	<1	0.19
468369			<.2	13	<2	46	2	8	16	<.2	<5	<5	<5	8.67	547	<10	325	44	161	<20	<20	3	4.75	1.99	2.34	0.54	0.83	112	11	3	13	8	22	<10	0.107	<1	0.17
468370			<.2	60	<2	43	<1	8	15	<.2	<5	<5	<5	9.90	507	<10	222	48	207	<20	<20	3	6.02	1.98	2.64	0.73	0.42	145	11	3	18	10	23	<10	0.137	<1	0.28
468371			0.4	666	<2	42	1	8	25	<.2	<5	<5	<5	9.15	724	<10	111	47	219	<20	<20	3	5.10	2.56	1.86	0.51	0.29	99	13	5	22	10	26	<10	0.177	<1	2.01
468372		<5	0.2	176	<2	59	<1	6	16	<.2	<5	<5	<5	9.97	873	<10	107	14	446	<20	<20	3	2.60	2.02	1.46	0.24	0.36	54	12	2	15	25	28	<10	0.217	<1	0.58

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468373		0.5	504	<2	38	3	6	21	<.2	<5	<5	<5	5.60	571	<10	70	58	198	<20	<20	6	1.55	1.07	1.98	0.17	0.26	42	8	<2	9	11	15	<10	0.121	<1	2.10
468374		<.2	146	<2	15	3	4	11	<.2	<5	<5	<5	1.94	137	<10	38	135	8	<20	<20	15	0.51	0.23	0.24	0.10	0.16	14	2	<2	2	<1	<5	<10	<.010	4	1.81
468375		<.2	95	<2	10	5	3	5	<.2	<5	<5	<5	1.13	219	<10	34	121	7	<20	<20	12	0.42	0.12	1.28	0.10	0.14	22	2	<2	1	<1	<5	<10	<.010	4	1.01
468376		0.2	446	<2	64	<1	7	35	<.2	<5	<5	<5	9.76	942	<10	121	20	349	<20	<20	4	3.05	1.61	3.03	0.38	0.28	90	13	<2	11	20	22	<10	0.224	<1	1.10
468377		0.8	1352	<2	48	1	7	34	<.2	<5	<5	<5	9.63	670	<10	110	26	218	<20	<20	3	4.70	1.92	2.00	0.46	0.74	109	13	3	14	10	22	<10	0.161	<1	2.06
468378		<.2	73	<2	52	<1	6	19	<.2	<5	<5	<5	8.97	800	<10	214	23	195	<20	<20	3	5.81	2.37	2.16	0.69	0.63	166	13	3	20	9	23	<10	0.105	<1	0.35
468379		<.2	88	<2	55	<1	6	26	<.2	<5	<5	<5	9.56	820	<10	213	22	226	<20	<20	3	4.86	2.45	2.00	0.48	0.44	126	11	2	25	10	22	<10	0.110	<1	0.47
468380		0.7	1051	<2	46	1	6	57	<.2	<5	<5	<5	>10.00	660	<10	68	27	230	<20	<20	3	4.46	2.09	2.01	0.34	0.51	80	10	3	24	11	24	<10	0.079	<1	3.00
468381		0.2	217	<2	51	<1	6	37	<.2	<5	<5	<5	>10.00	831	<10	92	17	180	<20	<20	5	3.06	1.86	2.54	0.11	0.44	60	13	<2	24	9	21	<10	0.042	<1	1.99
468382		6 0.2	96	<2	50	2	8	18	<.2	<5	<5	<5	9.21	792	<10	146	24	167	<20	<20	5	3.10	1.12	3.61	0.21	0.36	63	14	<2	16	9	23	<10	0.032	<1	0.74
468383		<.2	95	<2	57	<1	6	20	<.2	<5	<5	<5	9.81	793	<10	178	26	212	<20	<20	4	3.39	2.32	1.78	0.25	0.55	52	13	3	21	11	24	<10	0.075	<1	0.73
468384		<.2	75	<2	42	<1	9	26	<.2	<5	<5	<5	9.59	604	<10	109	35	140	<20	<20	3	3.24	1.54	1.52	0.31	0.43	57	12	<2	16	7	22	<10	0.086	<1	1.20
468385		<.2	81	<2	30	<1	5	25	0.2	<5	<5	<5	8.95	332	<10	44	35	126	<20	<20	3	4.25	1.16	1.86	0.57	0.50	75	7	5	12	6	22	<10	0.124	<1	3.70
468386		<.2	69	<2	39	<1	5	26	<.2	<5	<5	<5	9.72	485	<10	117	29	150	<20	<20	3	4.81	1.42	2.32	0.57	0.55	108	8	3	14	7	22	<10	0.090	<1	2.35
468387		<.2	244	<2	27	2	3	44	0.2	<5	<5	<5	6.50	277	<10	57	59	56	<20	<20	4	2.09	0.76	1.04	0.28	0.46	49	12	3	8	2	16	<10	0.126	<1	2.56
468388		<.2	52	<2	30	2	4	13	<.2	<5	<5	<5	4.96	358	<10	115	53	60	<20	<20	6	1.93	1.07	0.75	0.17	0.58	36	8	<2	8	3	13	<10	0.070	<1	0.99
468389		<.2	5	<2	16	4	5	18	<.2	<5	<5	<5	2.30	254	<10	76	42	29	<20	<20	7	1.24	0.67	0.78	0.08	0.36	46	5	<2	6	1	<5	<10	<.010	1	2.12
468390		<.2	32	<2	24	2	6	26	<.2	<5	<5	<5	3.25	385	<10	81	30	42	<20	<20	7	1.72	0.86	1.26	0.11	0.32	79	6	<2	10	2	7	<10	0.014	1	2.42
468391		<.2	86	<2	42	<1	5	22	<.2	<5	<5	<5	7.86	665	<10	207	13	162	<20	<20	4	3.78	1.60	1.91	0.34	0.44	109	10	3	17	8	22	<10	0.129	<1	1.10
468392		<5 <.2	58	<2	48	<1	6	19	<.2	<5	<5	<5	9.58	899	<10	357	27	174	<20	<20	3	5.15	2.05	2.25	0.55	0.28	134	8	4	25	8	23	<10	0.168	<1	0.41
468393		<.2	169	<2	52	<1	13	29	<.2	<5	<5	<5	>10.00	825	<10	245	30	214	<20	<20	2	4.29	2.44	1.93	0.34	0.25	87	10	3	29	10	26	<10	0.211	<1	0.97
468394		0.3	444	<2	44	<1	9	36	<.2	<5	<5	<5	>10.00	555	<10	45	20	140	<20	<20	2	3.54	1.81	1.69	0.27	0.14	85	11	3	21	6	22	<10	0.176	<1	3.48
468395		<.2	134	<2	40	<1	6	15	0.2	<5	<5	<5	8.48	571	<10	142	26	163	<20	<20	2	4.23	1.76	2.22	0.52	0.27	91	11	3	21	8	19	<10	0.131	<1	1.08
468396		<.2	86	<2	41	<1	6	13	0.2	<5	<5	<5	8.30	526	<10	232	52	143	<20	<20	3	4.93	1.70	2.29	0.72	0.17	89	11	4	22	6	18	<10	0.159	<1	0.71
468397		0.2	396	<2	42	1	7	22	<.2	<5	<5	<5	9.98	599	<10	100	32	133	<20	<20	3	4.86	1.42	2.90	0.59	0.20	101	11	4	18	6	17	<10	0.082	<1	2.26
468398		0.4	656	<2	50	<1	9	39	<.2	<5	<5	<5	>10.00	581	<10	32	31	160	<20	<20	3	5.18	2.21	2.19	0.49	0.51	82	9	6	27	7	22	<10	0.118	<1	4.43
468399		0.2	370	<2	49	<1	8	17	<.2	<5	<5	<5	>10.00	541	<10	92	34	141	<20	<20	3	5.06	1.71	2.37	0.52	0.62	88	7	5	20	6	21	<10	0.083	<1	2.24
468400		<.2	195	<2	41	<1	9	18	<.2	<5	<5	<5	9.48	586	<10	153	35	169	<20	<20	2	5.35	1.88	2.54	0.60	0.31	99	9	4	24	7	22	<10	0.130	<1	1.36
468401		<.2	124	<2	48	<1	8	20	<.2	<5	<5	<5	9.19	897	<10	209	30	181	<20	<20	2	5.08	2.14	2.89	0.57	0.19	104	10	4	29	8	20	<10	0.106	<1	0.92
468402		<5 <.2	109	<2	45	<1	8	25	<.2	<5	<5	<5	8.38	729	<10	238	35	180	<20	<20	2	5.07	1.91	2.38	0.65	0.17	98	10	4	28	9	21	<10	0.158	<1	0.77

BONDAR CLEGG

ISO 9002 REGISTERED KPMG VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02196.0 (COMPLETE) DATE RECEIVED: 02-NOV-01 DATE PRINTED: 7-NOV-01 PAGE 5 OF 7

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468403			<.2	159	<2	46	<1	5	25	<.2	<5	6	<5	8.62	655	<10	230	26	165	<20	<20	3	3.62	1.89	1.62	0.37	0.21	77	13	3	24	8	21	<10	0.214	<1	0.98
468404			<.2	158	<2	42	<1	6	16	<.2	<5	<5	<5	8.62	648	<10	149	17	151	<20	<20	3	3.64	1.93	2.19	0.32	0.53	76	10	3	22	7	21	<10	0.106	<1	1.14
468405			<.2	232	<2	39	2	8	13	<.2	<5	<5	<5	7.57	515	<10	141	23	141	<20	<20	4	2.64	1.69	1.49	0.20	0.52	56	9	3	18	7	17	<10	0.095	<1	1.31
468406			<.2	242	<2	31	2	6	13	<.2	<5	<5	<5	5.43	388	<10	77	23	91	<20	<20	5	2.48	1.17	1.74	0.16	0.53	82	9	3	16	5	14	<10	0.069	<1	1.92
468407			0.2	268	<2	35	3	8	21	<.2	<5	<5	<5	6.50	420	<10	74	36	148	<20	<20	4	3.66	1.72	1.56	0.33	0.76	78	9	4	18	7	22	<10	0.169	<1	2.07
468408			0.2	203	<2	38	2	9	23	0.2	<5	<5	<5	7.14	440	<10	117	52	162	<20	<20	4	3.85	1.80	1.42	0.43	0.89	69	7	3	17	8	23	<10	0.184	<1	1.65
468409			<.2	221	<2	38	8	10	21	<.2	<5	<5	<5	7.08	448	<10	169	57	155	<20	<20	3	3.67	1.79	1.40	0.39	0.86	66	7	3	15	7	21	<10	0.157	<1	1.21
468410			<.2	366	<2	32	2	8	19	<.2	<5	<5	<5	6.09	357	<10	53	57	110	<20	<20	4	2.47	1.35	0.93	0.23	0.70	50	8	4	13	5	20	<10	0.141	<1	2.63
468411			<.2	193	<2	20	4	5	19	<.2	<5	<5	<5	4.14	125	<10	33	76	38	<20	<20	4	1.40	0.64	0.41	0.16	0.42	35	5	<2	3	1	11	<10	0.024	2	3.77
468412		<5	<.2	88	3	20	4	3	13	<.2	<5	<5	<5	2.94	149	<10	81	69	35	<20	<20	6	1.10	0.51	0.36	0.10	0.41	30	5	<2	3	1	6	<10	0.033	2	2.12
468413			<.2	241	<2	30	2	6	16	<.2	<5	<5	<5	5.09	323	<10	145	67	101	<20	<20	5	1.82	1.14	0.71	0.17	0.65	35	8	<2	8	5	15	<10	0.155	<1	1.34
468414			0.2	354	<2	39	2	5	11	<.2	<5	<5	<5	6.70	366	<10	131	47	118	<20	<20	4	2.09	1.46	0.87	0.17	0.62	31	14	2	11	6	17	<10	0.178	<1	0.86
468415			0.5	949	<2	39	2	6	13	<.2	<5	<5	<5	6.49	379	<10	114	37	113	<20	<20	5	2.34	1.38	1.04	0.20	0.38	52	14	3	14	5	16	<10	0.128	<1	1.79
468416			<.2	416	<2	37	1	6	16	<.2	<5	<5	<5	6.18	402	<10	168	43	156	<20	<20	3	2.94	1.71	1.22	0.38	0.32	46	12	3	16	7	20	<10	0.198	<1	1.21
468417			0.5	896	<2	33	2	6	16	<.2	<5	<5	<5	4.70	272	<10	81	57	95	<20	<20	5	1.72	1.12	0.69	0.17	0.43	39	7	2	10	5	14	<10	0.128	<1	2.11

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD.
PROJECT: COPPER STAR

REPORT: V01-02196.0 (COMPLETE)
DATE RECEIVED: 02-NOV-01   DATE PRINTED: 7-NOV-01

STANDARD NAME	ELEMENT UNITS Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
CANMET LKSD-2	-	0.4	34	34	184	1	23	16	0.8	<5	11	<5	3.52	1735	<10	211	27	49	<20	<20	61	1.60	0.64	0.55	0.04	0.25	32	30	<2	17	4	6	<10	0.061	1	0.17
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.4	34	34	184	1	23	16	0.8	3	11	3	3.52	1735	5	211	27	49	10	10	61	1.60	0.64	0.55	0.04	0.25	32	30	1	17	4	6	5	0.061	1	0.17
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	0.8	36	40	200	2	23	16	0.8	-	9	1	3.50	1840	-	211	29	48	-	-	58	1.68	0.60	0.58	0.04	0.26	30	29	4	18	6	7	-	-	-	0.16
ANALYTICAL BLANK	-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK	-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK	-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK	-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<0.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mean Value	-	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<0.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
GS01-1 In-House	-	4.4	298	3920	923	3966	198	16	8.9	<5	70	232	1.86	655	<10	180	233	52	<20	<20	17	0.66	0.33	0.56	0.04	0.12	50	7	<2	7	3	<5	<10	0.052	8	0.66
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	4.4	298	3920	923	3966	198	16	8.9	3	70	232	1.86	655	5	180	233	52	10	10	17	0.66	0.33	0.56	0.04	0.12	50	7	1	7	3	3	5	0.052	8	0.66
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	4.4	326	4207	996	4604	202	20	9.5	2	67	239	1.92	695	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60
CANMET STSD-4	-	0.2	64	11	84	1	25	11	0.4	<5	13	<5	2.93	1221	<10	958	30	55	<20	<20	15	1.23	0.72	1.10	0.05	0.12	72	12	<2	9	4	<5	<10	0.061	<1	0.11
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.2	64	11	84	1	25	11	0.4	3	13	3	2.93	1221	5	958	30	55	10	10	15	1.23	0.72	1.10	0.05	0.12	72	12	1	9	4	3	5	0.061	<1	0.11
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	999	30	51	-	-	14	1.19	-	1.13	0.05	0.12	-	11	4	10	6	5	-	-	-	0.10
GS91-1 In-House	-	0.6	91	6	79	<1	37	21	<.2	<5	8	<5	4.56	687	<10	204	48	130	<20	<20	7	3.21	1.69	0.93	0.05	0.33	37	8	<2	25	6	10	<10	0.142	5	0.03
Number of Analyses	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value	-	0.6	91	6	79	<1	37	21	0.1	3	8	3	4.56	687	5	204	48	130	10	10	7	3.21	1.69	0.93	0.05	0.33	37	8	1	25	6	10	5	0.142	5	0.03
Standard Deviation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value	-	0.7	95	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02196.0 (COMPLETE) DATE RECEIVED: 02-NOV-01 DATE PRINTED: 7-NOV-01 PAGE 7 OF 7

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468172			<.2	466	<2	30	1	12	12	<.2	<5	<5	<5	2.81	340	<10	99	61	75	<20	<20	9	1.23	0.90	0.99	0.11	0.19	60	5	<2	13	5	<5	<10	0.132	<1	0.06
Duplicate			<.2	473	<2	30	1	12	12	<.2	<5	<5	<5	2.81	349	<10	103	70	87	<20	<20	11	1.25	0.90	0.99	0.13	0.22	71	6	<2	14	5	5	<10	0.134	<1	0.08
468189			<.2	24	<2	31	2	12	11	<.2	<5	<5	<5	2.62	366	<10	107	94	83	<20	<20	13	1.17	0.80	0.84	0.13	0.20	58	5	<2	11	5	<5	<10	0.126	<1	<.01
Duplicate			<.2	24	<2	30	1	12	10	<.2	<5	<5	<5	2.50	347	<10	104	93	83	<20	<20	13	1.12	0.75	0.82	0.14	0.21	59	5	<2	11	5	<5	<10	0.131	<1	<.01
468209			<.2	30	3	100	<1	21	19	0.2	<5	49	<5	6.25	570	<10	194	13	43	<20	<20	13	1.18	0.86	1.31	0.14	0.30	114	11	<2	8	2	8	<10	<.010	<1	0.65
Duplicate			<.2	28	4	96	<1	20	18	<.2	<5	46	<5	5.97	544	<10	191	12	40	<20	<20	13	1.17	0.83	1.24	0.13	0.29	108	10	<2	8	1	7	<10	<.010	<1	0.68
468226			0.3	1258	<2	40	11	<1	14	0.3	<5	5	<5	5.45	140	<10	24	18	80	<20	<20	8	1.80	1.12	0.92	0.12	0.71	71	10	<2	11	4	<5	<10	0.025	2	4.79
Duplicate			0.3	1188	<2	37	10	<1	14	0.6	<5	6	<5	5.30	138	<10	23	17	76	<20	<20	8	1.80	1.10	0.88	0.11	0.69	68	9	<2	10	3	<5	<10	0.026	2	4.81
468363			<.2	320	<2	36	16	18	13	<.2	<5	<5	<5	3.02	436	<10	193	87	79	<20	<20	13	1.96	1.06	1.89	0.12	0.23	82	6	2	14	4	6	<10	0.097	<1	0.05
Duplicate			<.2	325	<2	37	17	17	14	<.2	<5	<5	<5	3.10	441	<10	200	89	81	<20	<20	13	2.02	1.09	1.91	0.12	0.24	81	6	2	15	4	6	<10	0.099	<1	0.05
468380			0.7	1051	<2	46	1	6	57	<.2	<5	<5	<5	>10.00	660	<10	68	27	230	<20	<20	3	4.46	2.09	2.01	0.34	0.51	80	10	3	24	11	24	<10	0.079	<1	3.00
Duplicate			0.6	1069	<2	46	1	7	59	<.2	<5	<5	<5	>10.00	669	<10	61	27	230	<20	<20	3	4.45	2.12	2.04	0.34	0.50	79	10	4	24	11	23	<10	0.078	<1	3.08
468400			<.2	195	<2	41	<1	9	18	<.2	<5	<5	<5	9.48	586	<10	153	35	169	<20	<20	2	5.35	1.88	2.54	0.60	0.31	99	9	4	24	7	22	<10	0.130	<1	1.36
Duplicate			<.2	198	<2	41	<1	8	18	<.2	<5	<5	<5	9.53	584	<10	147	35	172	<20	<20	3	5.38	1.86	2.55	0.61	0.32	101	9	4	24	8	23	<10	0.135	<1	1.40
468417			0.5	896	<2	33	2	6	16	<.2	<5	<5	<5	4.70	272	<10	81	57	95	<20	<20	5	1.72	1.12	0.69	0.17	0.43	39	7	2	10	5	14	<10	0.128	<1	2.11
Duplicate			0.4	896	<2	33	2	6	16	<.2	<5	<5	<5	4.72	276	<10	95	56	95	<20	<20	6	1.75	1.13	0.69	0.17	0.43	40	7	2	10	5	14	<10	0.131	<1	2.10

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02211.0 (COMPLETE) DATE RECEIVED: 03-NOV-01 DATE PRINTED: 7-NOV-01 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468233			<.2	218	<2	17	12	2	14	<.2	<5	26	<5	4.91	108	<10	51	35	66	<20	<20	8	1.60	1.00	0.67	0.09	0.60	41	7	3	10	5	<5	<10	0.031	3	4.43
468234			<.2	112	<2	14	19	1	18	<.2	<5	<5	<5	4.53	86	<10	51	50	56	<20	<20	8	1.50	0.85	0.55	0.09	0.57	39	6	2	8	5	<5	<10	0.026	3	4.21
468235			<.2	260	<2	12	24	1	20	<.2	<5	5	<5	3.76	97	<10	57	51	31	<20	<20	9	1.13	0.62	1.00	0.08	0.44	41	6	<2	5	3	<5	<10	<.010	2	3.47
468236			<.2	139	<2	12	40	<1	16	<.2	<5	7	<5	2.72	73	<10	60	38	12	<20	<20	7	0.99	0.29	0.74	0.06	0.29	38	4	<2	3	3	<5	<10	<.010	2	2.59
468237			<.2	142	2	12	12	1	13	<.2	<5	6	<5	2.78	87	<10	78	58	22	<20	<20	9	1.02	0.38	0.64	0.07	0.36	34	4	<2	4	3	<5	<10	<.010	2	2.61
468238			<.2	80	2	18	21	<1	20	<.2	<5	<5	<5	4.19	135	<10	59	53	67	<20	<20	8	1.51	0.94	0.57	0.09	0.61	36	6	<2	9	5	<5	<10	0.035	2	3.78
468239			<.2	328	<2	17	36	<1	23	<.2	<5	5	<5	4.91	104	<10	50	57	66	<20	<20	8	1.55	0.90	0.50	0.09	0.58	40	6	<2	10	5	<5	<10	0.038	3	4.41
468240			<.2	351	3	13	22	1	18	<.2	<5	<5	<5	2.83	89	<10	105	43	29	<20	<20	11	0.99	0.61	0.31	0.06	0.30	22	4	<2	8	3	<5	<10	0.012	2	2.31
468241			<.2	381	3	18	41	<1	20	<.2	<5	10	<5	4.83	96	<10	46	60	56	<20	<20	9	1.41	0.84	0.52	0.08	0.52	35	6	2	11	5	<5	<10	0.032	3	4.21
468242		<5	<.2	446	<2	15	23	1	16	<.2	<5	17	<5	4.08	86	<10	62	70	54	<20	<20	10	1.16	0.75	0.48	0.09	0.41	32	6	<2	10	4	<5	<10	0.032	2	3.56
468243			<.2	201	<2	12	26	1	15	<.2	<5	<5	<5	2.93	75	<10	78	59	48	<20	<20	10	1.15	0.72	0.32	0.08	0.42	30	5	<2	9	3	<5	<10	0.027	2	2.54
468244			<.2	284	2	10	31	1	18	<.2	<5	<5	<5	2.55	59	<10	115	47	26	<20	<20	8	0.82	0.49	0.24	0.06	0.32	19	3	<2	6	3	<5	<10	0.021	<1	2.22
468245			<.2	1058	<2	23	25	1	23	<.2	<5	6	<5	5.05	105	<10	45	49	85	<20	<20	9	1.75	1.12	0.44	0.08	0.68	38	8	2	13	5	<5	<10	0.042	3	4.31
468246			<.2	172	4	14	18	2	9	<.2	<5	15	<5	1.91	75	<10	153	64	39	<20	<20	11	1.14	0.62	0.34	0.08	0.37	32	5	<2	10	3	<5	<10	0.018	1	1.35
468247			<.2	184	2	11	20	1	10	<.2	<5	9	<5	2.22	77	<10	135	76	35	<20	<20	14	1.02	0.59	0.38	0.09	0.34	28	5	<2	9	3	<5	<10	0.022	1	1.56
468248			<.2	874	<2	19	73	1	24	<.2	<5	<5	<5	4.79	104	<10	56	65	74	<20	<20	10	1.64	1.00	0.49	0.10	0.66	45	7	2	13	5	<5	<10	0.045	3	4.14
468249			<.2	576	<2	17	71	1	18	<.2	<5	<5	<5	4.14	88	<10	68	63	60	<20	<20	13	1.36	0.83	0.38	0.08	0.52	30	5	<2	11	5	<5	<10	0.036	3	3.51
468250			<.2	472	2	13	19	1	20	<.2	<5	<5	<5	3.14	87	<10	101	55	36	<20	<20	15	1.24	0.60	0.45	0.08	0.41	31	4	<2	9	4	<5	<10	0.022	2	2.59
468251			<.2	294	3	11	39	<1	15	<.2	<5	12	<5	3.15	62	<10	91	50	28	<20	<20	9	1.21	0.47	0.23	0.07	0.37	24	4	<2	7	4	<5	<10	0.010	3	2.86
468252		<5	<.2	292	<2	14	46	<1	21	<.2	<5	20	<5	4.31	88	<10	60	31	53	<20	<20	9	1.66	0.81	0.49	0.09	0.54	48	6	<2	10	5	<5	<10	0.020	2	3.96
468253			<.2	435	<2	15	69	1	18	<.2	<5	5	<5	4.04	91	<10	67	53	44	<20	<20	11	1.34	0.67	0.48	0.08	0.45	35	5	<2	10	5	<5	<10	0.022	3	3.61
468254			<.2	508	<2	17	23	<1	18	<.2	<5	<5	<5	4.39	172	<10	66	38	47	<20	<20	10	1.41	0.75	1.05	0.07	0.45	55	7	2	9	5	<5	<10	0.023	3	3.71
468255			<.2	340	2	15	14	<1	16	<.2	<5	<5	<5	4.56	159	<10	59	32	54	<20	<20	11	1.81	0.78	1.08	0.09	0.56	68	8	2	7	6	<5	<10	0.024	3	3.87
468256			<.2	143	<2	9	33	2	9	<.2	<5	6	<5	2.40	90	<10	96	67	16	<20	<20	6	1.04	0.40	0.84	0.06	0.31	50	5	<2	3	3	<5	<10	<.010	2	2.03
468257			<.2	329	3	14	66	1	19	<.2	<5	18	<5	4.69	133	<10	60	71	21	<20	<20	6	1.33	0.40	1.22	0.06	0.43	49	5	2	3	5	<5	<10	<.010	3	4.34
468258			<.2	784	3	20	24	3	15	<.2	<5	29	<5	4.19	218	<10	88	36	37	<20	<20	12	1.15	0.83	2.21	0.06	0.31	64	9	<2	4	4	<5	<10	<.010	1	3.16
468259			<.2	1080	<2	31	25	<1	21	<.2	<5	7	<5	5.72	288	<10	79	45	73	<20	<20	15	1.83	1.08	1.85	0.09	0.53	87	11	4	9	6	<5	<10	0.027	2	3.67
468260			0.3	1092	<2	33	41	<1	30	<.2	<5	49	<5	6.19	301	<10	57	32	73	<20	<20	11	1.79	1.11	1.68	0.07	0.61	73	9	3	10	6	<5	<10	0.046	2	4.37
468261			0.3	1165	<2	27	31	1	20	<.2	<5	8	<5	4.33	181	<10	73	45	66	<20	<20	13	1.70	0.94	0.97	0.08	0.66	62	9	3	10	5	<5	<10	0.045	2	3.12
468262		<5	0.2	989	3	27	23	1	20	<.2	<5	<5	<5	4.78	165	<10	54	45	74	<20	<20	9	1.63	1.04	0.93	0.08	0.63	57	7	3	11	5	<5	<10	0.071	2	3.74

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468263			0.3	993	<2	25	28	1	20	<.2	<5	11	<5	4.38	170	<10	65	43	56	<20	<20	11	1.49	0.87	1.12	0.08	0.48	59	7	3	11	5	<5	<10	0.040	2	3.35
468264			0.4	1323	<2	44	48	2	22	<.2	<5	14	<5	5.97	293	<10	55	35	85	<20	<20	12	1.96	1.30	1.20	0.08	0.53	65	9	5	19	6	<5	<10	0.082	2	4.03
468265			0.5	1100	2	37	22	5	24	<.2	<5	56	<5	5.78	238	<10	39	33	85	<20	<20	9	2.01	1.09	1.46	0.08	0.58	69	8	5	16	6	<5	<10	0.070	3	4.10
468266			0.4	1044	<2	32	55	<1	21	<.2	<5	<5	<5	4.57	198	<10	67	41	72	<20	<20	9	1.83	0.98	0.92	0.09	0.59	62	6	4	13	5	<5	<10	0.073	2	3.08
468418			<.2	743	<2	34	1	5	25	0.3	<5	<5	<5	7.07	325	<10	114	61	135	<20	<20	5	2.38	1.49	0.59	0.12	0.91	31	10	7	10	9	21	<10	0.247	4	2.55
468419			<.2	414	<2	39	<1	5	18	0.3	<5	<5	<5	7.24	459	<10	127	53	157	<20	<20	3	2.65	1.87	0.98	0.22	0.48	40	15	7	15	9	24	<10	0.290	3	1.55
468420			<.2	523	3	36	1	5	18	0.3	<5	<5	<5	6.51	346	<10	117	80	91	<20	<20	3	2.03	1.16	1.04	0.18	0.25	43	16	7	11	8	16	<10	0.246	4	2.05
468421			<.2	370	<2	42	1	8	19	0.3	<5	<5	<5	6.18	425	<10	133	81	122	<20	<20	4	1.98	1.29	0.87	0.20	0.31	32	14	5	12	9	16	<10	0.245	4	1.70
468422			<.2	547	<2	44	<1	5	25	0.2	<5	<5	<5	6.81	453	<10	79	59	126	<20	<20	4	1.84	1.39	1.11	0.11	0.18	37	16	7	16	8	18	<10	0.266	5	2.42
468423		<5	<.2	307	<2	33	2	3	14	0.2	<5	<5	<5	5.52	362	<10	156	58	100	<20	<20	5	2.28	1.17	0.87	0.15	0.46	56	11	5	12	6	16	<10	0.221	3	1.49
468424			<.2	49	2	9	3	2	5	<.2	<5	<5	<5	1.93	48	<10	134	98	4	<20	<20	12	1.22	0.19	0.37	0.10	0.26	47	2	3	1	3	<5	<10	<.010	3	1.67
468425			<.2	387	<2	36	5	6	22	0.3	<5	<5	<5	6.23	399	<10	145	83	132	<20	<20	5	2.44	1.23	1.00	0.20	0.51	61	12	5	12	7	16	<10	0.241	3	1.78
468426			<.2	196	<2	39	<1	6	18	0.3	<5	<5	<5	7.32	668	<10	124	54	245	<20	<20	3	1.80	1.30	0.96	0.17	0.34	28	12	5	12	9	17	<10	0.265	4	1.34
468427			<.2	213	<2	40	<1	5	28	0.3	<5	<5	<5	7.13	787	<10	188	77	259	<20	<20	2	3.94	1.43	1.76	0.60	0.48	74	9	8	12	9	14	<10	0.257	3	1.50
468428			<.2	250	<2	44	1	6	18	0.2	<5	<5	<5	6.89	610	<10	151	69	168	<20	<20	4	2.66	1.51	1.11	0.24	0.41	58	12	6	16	8	18	<10	0.286	3	1.54
468429			<.2	333	<2	42	<1	5	19	0.2	<5	<5	<5	6.25	438	<10	109	86	100	<20	<20	3	2.17	1.00	0.83	0.25	0.37	50	13	6	10	8	15	<10	0.207	3	1.97

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
GS91-1 In-House		-	0.6	89	8	77	1	35	21	0.2	<5	<5	<5	5.03	668	<10	201	54	135	<20	<20	6	3.48	1.63	0.98	0.06	0.35	44	8	5	25	8	11	<10	0.203	12	0.04
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.6	89	8	77	1	35	21	0.2	3	3	3	5.03	668	5	201	54	135	10	10	6	3.48	1.63	0.98	0.06	0.35	44	8	5	25	8	11	5	0.203	12	0.04
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	-	-	-	-	<1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
OX8 Oxide		184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET LKSD-2		-	0.7	33	39	197	<1	24	17	0.6	<5	10	<5	3.95	1773	<10	207	30	49	<20	<20	56	1.84	0.68	0.59	0.04	0.26	25	28	3	16	6	5	<10	0.082	4	0.18
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.7	33	39	197	<1	24	17	0.6	3	10	3	3.95	1773	5	207	30	49	10	10	56	1.84	0.68	0.59	0.04	0.26	25	28	3	16	6	5	5	0.082	4	0.18
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.8	36	40	200	2	23	16	0.8	-	9	1	3.50	1840	-	211	29	48	-	-	58	1.68	0.60	0.58	0.04	0.26	30	29	4	18	6	7	-	-	-	0.16

BONDAR CLEGG

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468234			<.2	112	<2	14	19	1	18	<.2	<5	<5	<5	4.53	86	<10	51	50	56	<20	<20	8	1.50	0.85	0.55	0.09	0.57	39	6	2	8	5	<5	<10	0.026	3	4.21
Duplicate			<.2	121	<2	15	22	<1	19	<.2	<5	<5	<5	5.17	93	<10	44	56	61	<20	<20	10	1.77	0.90	0.58	0.10	0.64	42	7	<2	9	6	<5	<10	0.028	3	4.84
468252		<5	<.2	292	<2	14	46	<1	21	<.2	<5	20	<5	4.31	88	<10	60	31	53	<20	<20	9	1.66	0.81	0.49	0.09	0.54	48	6	<2	10	5	<5	<10	0.020	2	3.96
Duplicate			<.2	285	<2	14	46	<1	21	<.2	<5	19	<5	4.14	87	<10	58	32	53	<20	<20	10	1.68	0.80	0.49	0.09	0.56	48	6	<2	10	5	<5	<10	0.020	2	3.84
468422			<.2	547	<2	44	<1	5	25	0.2	<5	<5	<5	6.81	453	<10	79	59	126	<20	<20	4	1.84	1.39	1.11	0.11	0.18	37	16	7	16	8	18	<10	0.266	5	2.42
Duplicate			<.2	584	<2	46	1	5	26	0.3	<5	<5	<5	7.13	476	<10	82	62	133	<20	<20	4	1.94	1.48	1.17	0.11	0.19	39	17	7	17	8	19	<10	0.281	5	2.58

BONDAR CLEGG

ISO 9002 KPMG VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: DOUBLESTAR RESOURCES LTD. PROJECT: COPPER STAR

REPORT: V01-02188.0 (COMPLETE) DATE RECEIVED: 31-OCT-01 DATE PRINTED: 8-NOV-01 PAGE 1 OF 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Tc PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468143			<.2	68	<2	23	3	14	13	<.2	<5	<5	<5	3.32	298	<10	119	68	81	<20	<20	7	1.17	1.06	0.79	0.10	0.13	34	3	<2	10	4	<5	<10	0.165	2	0.02
468144			<.2	282	<2	23	2	13	13	<.2	<5	<5	<5	2.94	263	<10	93	60	74	<20	<20	7	1.08	0.99	0.71	0.10	0.13	34	4	<2	10	3	<5	<10	0.172	2	0.04
468145			<.2	92	<2	27	2	13	13	0.2	<5	<5	<5	3.07	322	<10	107	62	76	<20	<20	8	1.16	0.98	0.81	0.12	0.17	37	4	<2	10	4	<5	<10	0.168	2	0.02
468146			<.2	148	<2	34	3	15	14	<.2	<5	9	<5	3.24	364	<10	89	61	76	<20	<20	10	1.31	1.08	1.14	0.11	0.15	38	5	3	12	4	<5	<10	0.161	3	0.04
468147			<.2	421	<2	33	4	15	15	<.2	<5	<5	<5	3.27	363	<10	94	70	77	<20	<20	9	1.19	1.05	0.95	0.10	0.16	32	4	3	11	4	<5	<10	0.166	2	0.14
468148			<.2	298	<2	29	5	13	13	<.2	<5	<5	<5	3.12	347	<10	87	57	76	<20	<20	9	1.20	1.01	0.72	0.10	0.15	34	4	2	12	4	<5	<10	0.168	2	0.08
468149			<.2	71	<2	25	2	11	11	<.2	<5	<5	<5	2.93	287	<10	104	55	72	<20	<20	8	1.12	0.83	0.61	0.11	0.13	35	3	2	9	4	<5	<10	0.155	2	0.02
468150			<.2	79	<2	30	2	12	13	<.2	<5	<5	<5	3.01	325	<10	105	74	76	<20	<20	8	1.08	0.92	0.60	0.11	0.15	34	3	<2	10	4	<5	<10	0.166	2	0.02
468151			0.7	1949	2	39	3	13	16	<.2	<5	14	<5	3.36	434	<10	106	54	74	<20	<20	15	1.47	1.18	1.17	0.10	0.17	52	5	3	14	3	<5	<10	0.157	2	0.38
468152		<5	<.2	278	<2	33	2	13	13	<.2	<5	12	<5	3.14	410	<10	96	55	74	<20	<20	10	1.32	1.06	1.09	0.10	0.15	45	5	3	12	4	<5	<10	0.138	2	0.09
468153			<.2	865	<2	37	<1	13	34	<.2	<5	<5	<5	3.70	330	<10	92	69	72	<20	<20	10	1.22	0.91	0.73	0.10	0.17	37	4	<2	11	4	<5	<10	0.152	2	0.90
468154			0.6	2873	<2	40	<1	14	23	0.2	<5	9	<5	3.62	312	<10	83	65	70	<20	<20	9	1.35	1.01	0.65	0.09	0.20	33	4	2	13	3	<5	<10	0.149	2	0.92
468155			<.2	225	<2	28	<1	12	12	0.2	<5	<5	<5	3.01	324	<10	87	71	75	<20	<20	9	1.15	0.86	0.73	0.12	0.14	39	3	2	11	4	<5	<10	0.158	2	0.04
468156			<.2	33	<2	34	1	11	12	<.2	<5	<5	<5	2.93	320	<10	82	67	75	<20	<20	9	1.07	0.80	0.64	0.11	0.13	35	3	<2	10	4	<5	<10	0.160	2	0.01
468157			<.2	116	3	34	<1	12	12	<.2	<5	<5	<5	3.04	340	<10	86	62	77	<20	<20	9	1.24	0.92	0.72	0.12	0.13	42	3	3	12	4	<5	<10	0.164	2	0.02
468158			<.2	205	<2	34	2	14	13	<.2	<5	77	<5	3.15	373	<10	77	77	79	<20	<20	9	1.15	0.88	0.94	0.10	0.13	45	4	3	12	4	<5	<10	0.135	2	0.07
468159			<.2	232	<2	39	<1	17	13	<.2	<5	258	<5	3.34	573	<10	60	63	73	<20	<20	9	1.41	1.06	1.82	0.11	0.13	97	6	4	15	3	<5	<10	0.051	1	0.21
468160			<.2	417	<2	35	3	14	14	<.2	<5	37	<5	3.52	483	<10	84	63	77	<20	<20	9	1.89	1.17	1.17	0.13	0.14	84	5	5	16	4	<5	<10	0.136	2	0.10
468161			<.2	130	<2	33	<1	13	14	0.2	<5	<5	<5	3.21	417	<10	113	70	80	<20	<20	9	1.90	1.12	1.14	0.14	0.14	73	4	4	14	4	<5	<10	0.178	2	0.03
468162		<5	<.2	159	<2	28	2	13	13	<.2	<5	<5	<5	3.23	338	<10	79	76	77	<20	<20	9	1.64	1.06	0.95	0.11	0.13	53	4	4	15	4	<5	<10	0.173	2	0.03
468163			<.2	44	<2	31	2	12	12	<.2	<5	<5	<5	3.09	359	<10	95	70	74	<20	<20	9	1.38	0.91	0.94	0.11	0.15	47	4	3	11	4	<5	<10	0.149	2	0.02
468164			<.2	423	<2	39	2	14	13	<.2	<5	<5	<5	3.31	429	<10	148	59	77	<20	<20	10	1.34	1.11	1.01	0.09	0.17	48	5	3	13	4	<5	<10	0.114	2	0.07
468165			<.2	71	<2	38	2	14	12	<.2	<5	<5	<5	3.26	442	<10	108	72	75	<20	<20	10	1.23	0.81	1.55	0.09	0.21	45	5	3	10	4	<5	<10	0.083	1	0.03
468332			0.5	1581	<2	17	40	2	4	<.2	<5	5	<5	1.45	104	<10	18	93	4	<20	<20	11	0.61	0.15	0.69	0.06	0.18	24	8	<2	4	1	<5	<10	<.010	<1	0.49
468333			0.8	1905	2	38	18	10	14	<.2	<5	5	<5	3.43	339	<10	82	54	47	<20	<20	11	1.32	0.81	1.81	0.06	0.28	41	10	3	11	3	5	<10	0.038	1	0.51
468334			1.9	6134	4	43	87	5	23	0.3	<5	<5	<5	3.40	253	<10	37	52	20	<20	<20	11	1.11	0.55	1.32	0.05	0.15	23	9	3	11	2	<5	<10	0.017	1	1.18
468335			1.9	7216	3	83	76	11	30	0.5	<5	<5	<5	7.66	435	<10	89	64	60	<20	<20	11	1.73	1.05	2.07	0.06	0.29	39	9	7	19	4	7	<10	0.060	2	0.86
468336			0.4	1683	2	38	68	10	12	0.2	<5	<5	<5	2.87	360	<10	173	58	43	<20	<20	11	1.40	0.58	3.24	0.06	0.27	55	10	2	14	3	<5	<10	0.029	<1	0.23
468337			1.5	1311	<2	39	19	12	13	0.2	<5	<5	<5	2.75	309	<10	151	99	47	<20	<20	12	1.11	0.76	1.76	0.07	0.28	36	11	<2	11	2	5	<10	0.060	<1	0.16
468338		9	0.4	1674	4	65	22	12	11	0.4	<5	19	<5	2.77	348	<10	269	80	48	<20	<20	10	1.03	0.89	2.55	0.05	0.23	63	8	<2	9	2	5	<10	0.036	<1	0.19

BONDAR CLEGG

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SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468339			<.2	576	5	68	3	11	11	0.5	<5	15	<5	2.79	517	<10	509	47	46	<20	<20	11	1.26	0.94	4.21	0.04	0.21	81	7	<2	10	2	6	<10	0.012	<1	0.11
468340			0.4	1405	2	43	41	19	15	<.2	<5	<5	<5	3.34	526	<10	174	94	69	<20	<20	12	1.55	1.13	2.56	0.07	0.32	57	8	3	17	3	6	<10	0.076	<1	0.18
468341			<.2	560	<2	47	9	17	15	<.2	<5	<5	<5	3.55	565	<10	118	69	79	<20	<20	12	1.63	1.35	2.00	0.07	0.33	50	9	3	19	3	7	<10	0.082	1	0.08
468342			0.8	2763	4	42	22	15	13	<.2	<5	7	<5	3.03	361	<10	116	71	47	<20	<20	14	1.29	0.68	2.22	0.06	0.31	40	10	3	11	2	5	<10	0.046	<1	0.54
468343			0.7	2254	<2	19	12	3	5	<.2	<5	<5	<5	1.82	98	<10	20	102	5	<20	<20	10	0.68	0.12	0.87	0.06	0.16	12	6	2	6	1	<5	<10	<.010	<1	0.47
468344			0.8	1173	2	23	88	4	4	<.2	<5	<5	<5	1.59	122	<10	12	122	5	<20	<20	12	0.64	0.10	0.98	0.05	0.13	14	6	<2	6	1	<5	<10	<.010	<1	0.26
468345			0.3	1418	<2	43	18	13	11	<.2	<5	<5	<5	2.95	335	<10	90	94	51	<20	<20	11	1.20	0.82	1.37	0.06	0.29	34	8	3	12	3	<5	<10	0.065	<1	0.20
468346			<.2	426	10	93	56	16	13	0.7	<5	<5	<5	3.33	379	<10	76	79	65	<20	<20	11	1.71	1.10	1.80	0.08	0.31	55	7	3	15	4	5	<10	0.064	1	0.09
468347			<.2	269	<2	35	7	19	14	<.2	<5	<5	<5	3.51	392	<10	94	103	79	<20	<20	11	1.52	1.34	1.82	0.09	0.22	44	7	3	17	3	7	<10	0.085	1	0.04
468348		<5	<.2	1058	3	32	49	16	15	<.2	<5	6	<5	3.17	368	<10	144	114	73	<20	<20	10	1.77	1.40	1.28	0.11	0.21	52	6	2	18	3	6	<10	0.156	1	0.20
468349			<.2	1087	<2	33	1	16	16	<.2	<5	<5	<5	3.16	373	<10	176	88	77	<20	<20	10	1.92	1.52	1.21	0.13	0.19	57	5	3	18	4	7	<10	0.195	2	0.13

BONDAR CLEGG

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STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
OX9 Oxide		420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mean Value		420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANALYTICAL BLANK		<5	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
ANALYTICAL BLANK		-	<.2	<1	<2	<1	<1	<1	<1	<.2	<5	<5	<5	<.01	<1	<10	<1	<1	<1	<20	<20	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<2	<1	<1	<5	<10	<.010	<1	<.01
Number of Analyses		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		3	0.1	<1	1	<1	<1	<1	<1	0.1	3	3	3	<.01	<1	5	<1	<1	<1	10	10	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	1	<1	<1	3	5	0.005	<1	<.01
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	1	1	1	0.1	2	5	5	0.05	1	<1	<1	1	1	<1	<1	<1	<.01	<.01	<.01	<.01	<.01	<1	<1	<1	<1	<1	<1	<1	<.001	<1	<.01
CANMET STSD-4		-	0.3	63	11	82	1	23	12	0.3	<5	11	6	2.92	1190	<10	979	34	49	<20	<20	12	1.18	0.71	1.08	0.04	0.10	60	10	<2	8	4	<5	<10	0.079	2	0.10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.3	63	11	82	1	23	12	0.3	3	11	6	2.92	1190	5	979	34	49	10	10	12	1.18	0.71	1.08	0.04	0.10	60	10	1	8	4	3	5	0.079	2	0.10
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.3	66	13	82	2	23	11	0.6	-	11	4	2.60	1200	-	999	30	51	-	-	14	1.19	-	1.13	0.05	0.12	-	11	4	10	6	5	-	-	-	0.10
GS91-1 In-House		-	0.5	98	7	78	<1	36	22	0.3	<5	6	<5	4.83	712	<10	201	59	126	<20	<20	6	3.20	1.72	0.96	0.06	0.32	34	7	4	24	6	9	<10	0.218	13	0.03
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.5	98	7	78	<1	36	22	0.3	3	6	3	4.83	712	5	201	59	126	10	10	6	3.20	1.72	0.96	0.06	0.32	34	7	4	24	6	9	5	0.218	13	0.03
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	95	11	80	2	40	22	0.1	1	8	1	4.74	720	<1	200	54	133	4	2	5	3.09	1.83	1.08	0.06	0.32	37	9	4	25	5	11	1	-	9	0.03

BONDAR CLEGG

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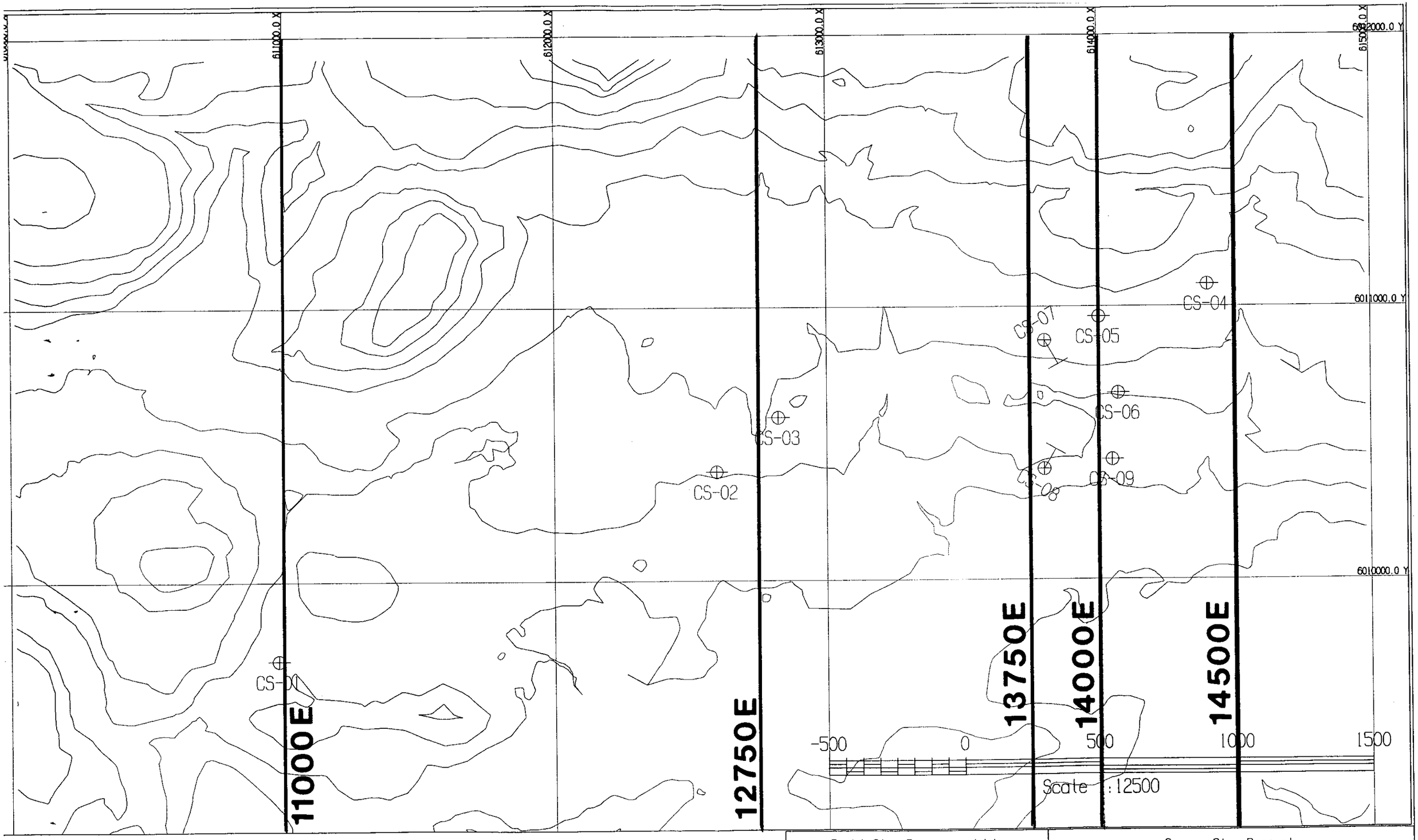
SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
468151			0.7	1949	2	39	3	13	16	<.2	<5	14	<5	3.36	434	<10	106	54	74	<20	<20	15	1.47	1.18	1.17	0.10	0.17	52	5	3	14	3	<5	<10	0.157	2	0.38
Duplicate			0.8	2040	4	40	2	15	16	<.2	<5	15	<5	3.44	449	<10	103	55	75	<20	<20	15	1.48	1.27	1.22	0.10	0.17	53	5	3	14	4	<5	<10	0.160	2	0.38
468334			1.9	6134	4	43	87	5	23	0.3	<5	<5	<5	3.40	253	<10	37	52	20	<20	<20	11	1.11	0.55	1.32	0.05	0.15	23	9	3	11	2	<5	<10	0.017	1	1.18
Duplicate			2.3	5727	5	40	76	6	21	<.2	<5	<5	<5	3.13	237	<10	35	49	19	<20	<20	10	1.03	0.54	1.23	0.05	0.14	22	8	3	10	1	<5	<10	0.017	1	1.09
468348		<5	<.2	1058	3	32	49	16	15	<.2	<5	6	<5	3.17	368	<10	144	114	73	<20	<20	10	1.77	1.40	1.28	0.11	0.21	52	6	2	18	3	6	<10	0.156	1	0.20
Duplicate		<5																																		

APPENDIX C

COPPER STAR CROSS SECTIONS



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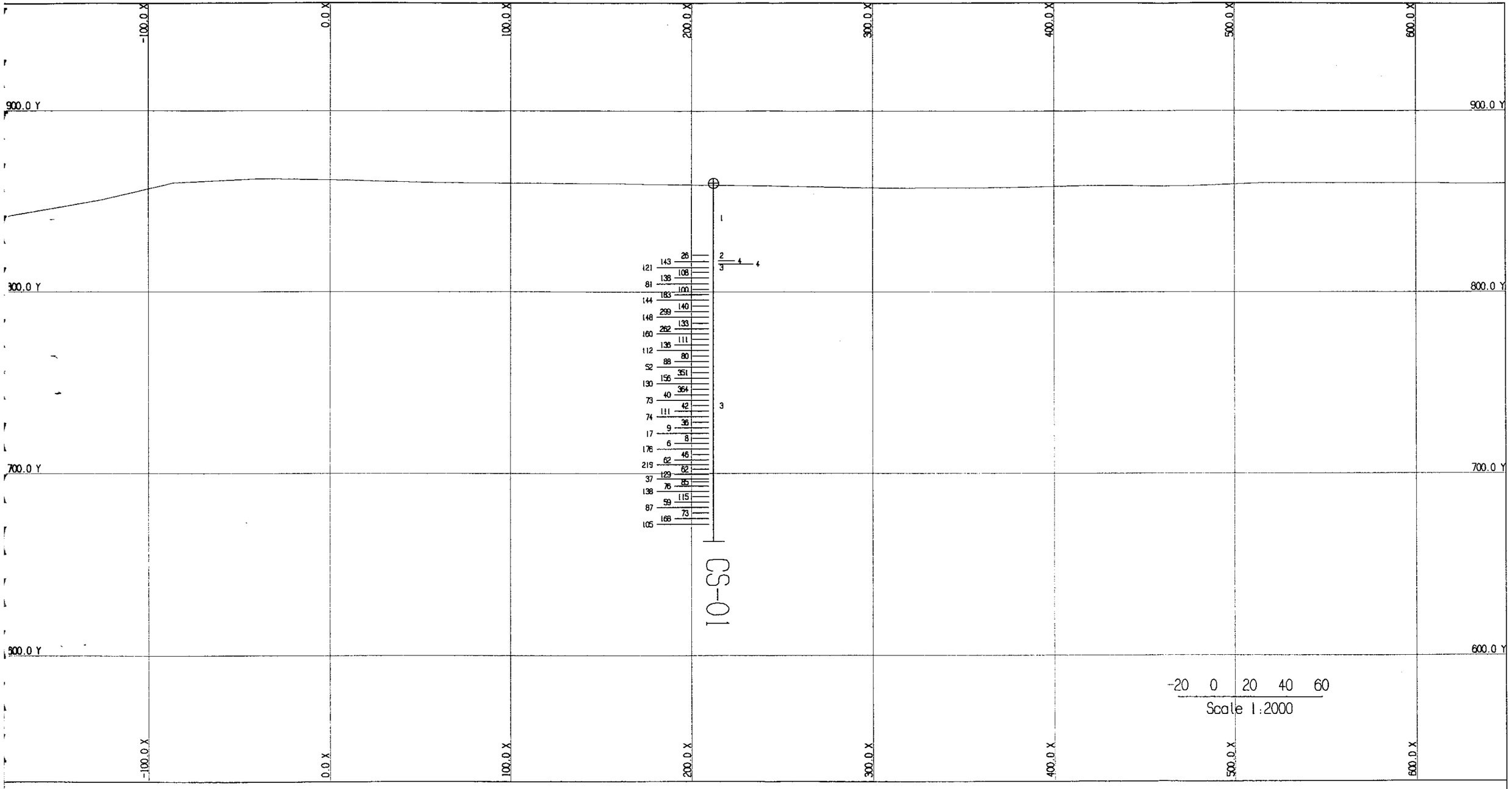
West Vancouver, BC
V7V 1H9

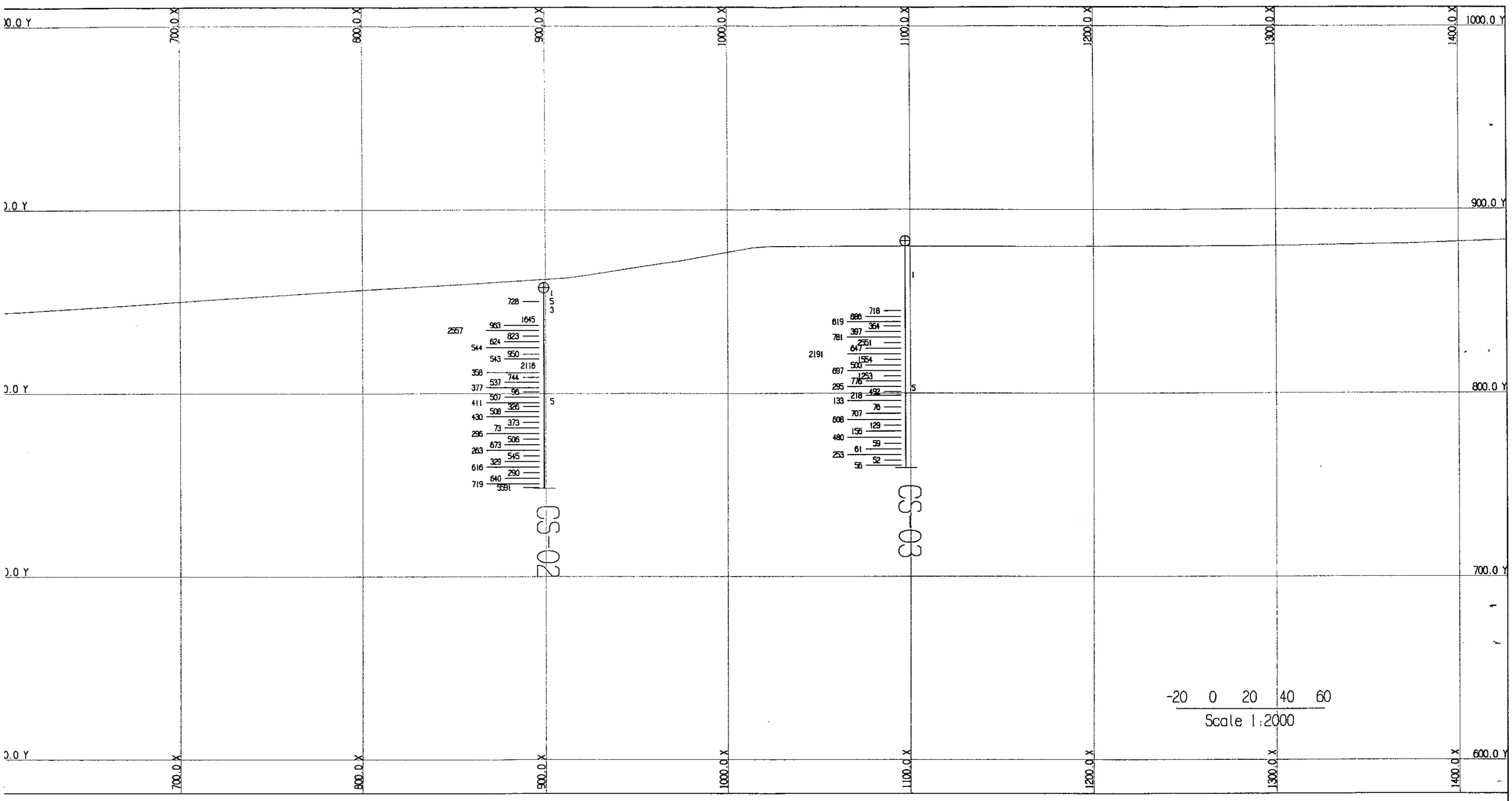
UNITS : METRES DATE: 01/12/05 TIME: 10:47:38

Copper Star Project
Topography and Diamond Drill Holes
Contour Intervals = 20 metres

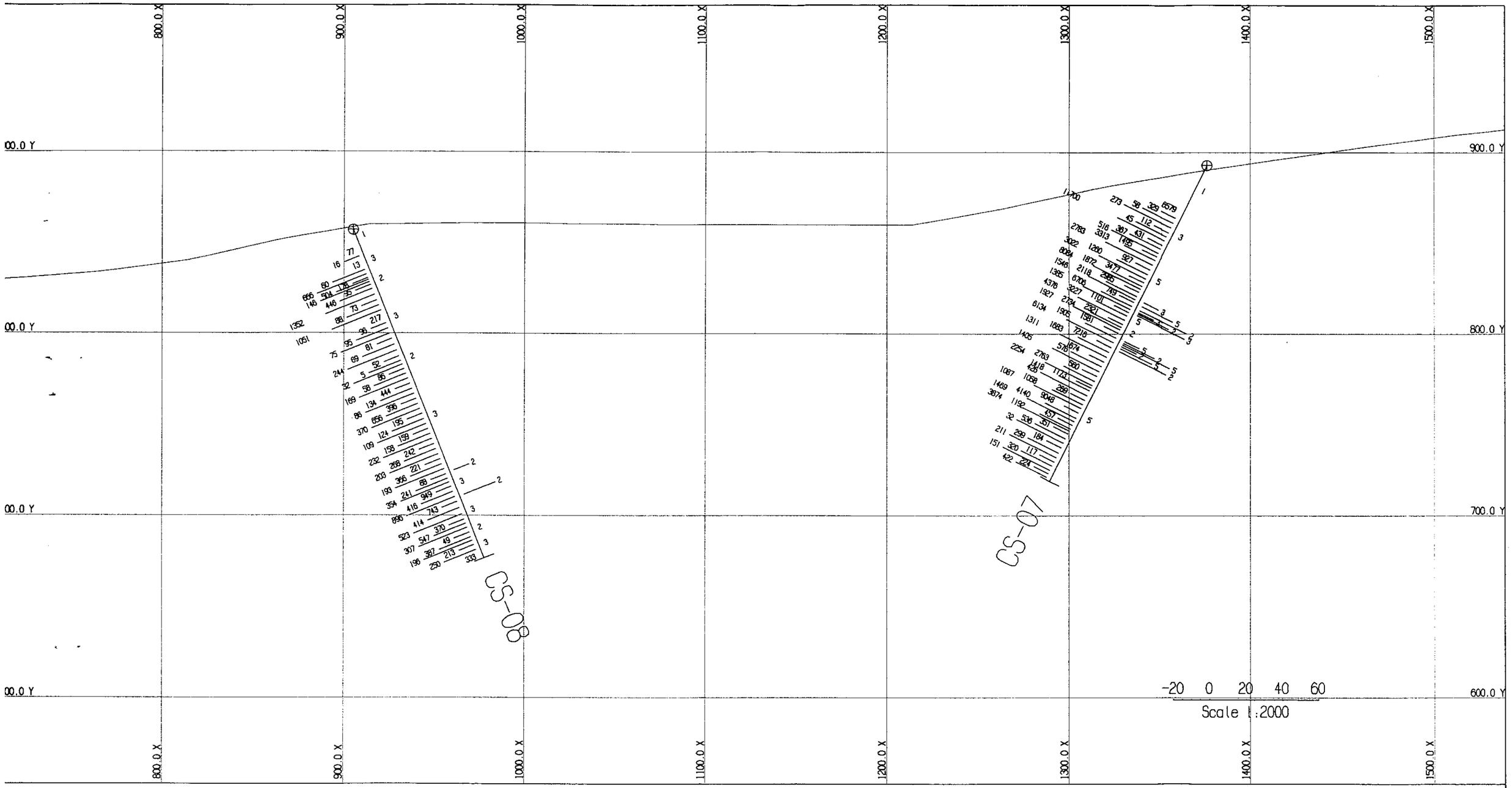
Software by Geocon Software International



DoubleStar Resources Ltd. Vancouver Office Suite 305, 1549 Marine Dr. West Vancouver, BC V7V 1H9	Copper Star Project Section 11000E Lithology - right : Cu Grade (ppm) - left 1=ovbrn; 2=felsic volc; 3=mafic volc; 4=porphyry
UNITS : METRES DATE: 01/12/04 TIME: 15:48:15	Software by Geocom Software International



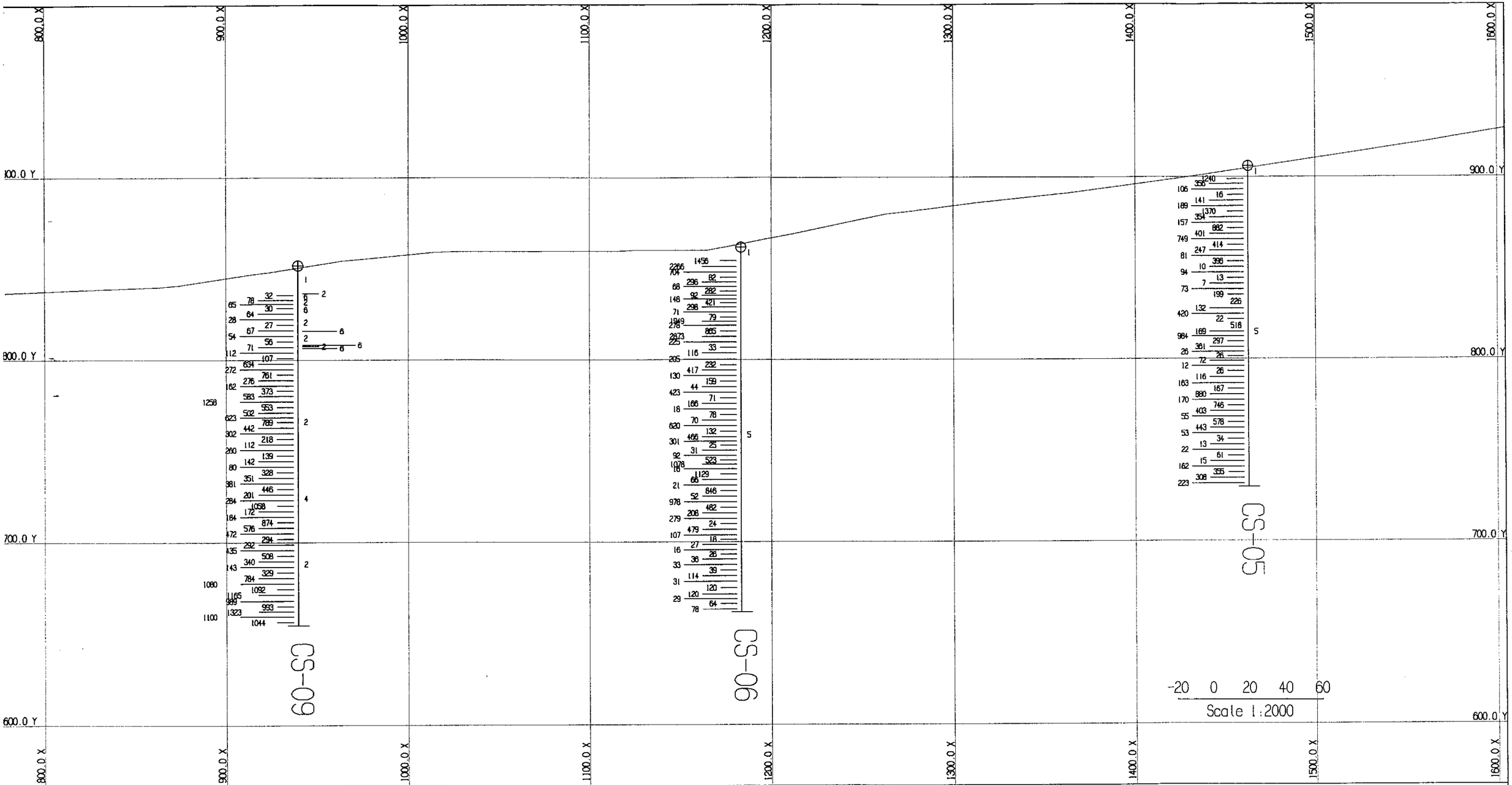
DoubleStar Resources Ltd. Vancouver Office Suite 305, 1549 Marine Dr. West Vancouver, BC V7V 1H9	Copper Star Project Section 12750E Lithology - right ; Cu Grade (ppm) - left 1 = overburden; 3 = mafic volc; 5 = Granodiorit
UNITS : METRES DATE: 01/12/04 TIME: 16:14:50	Software by Geocon Software International



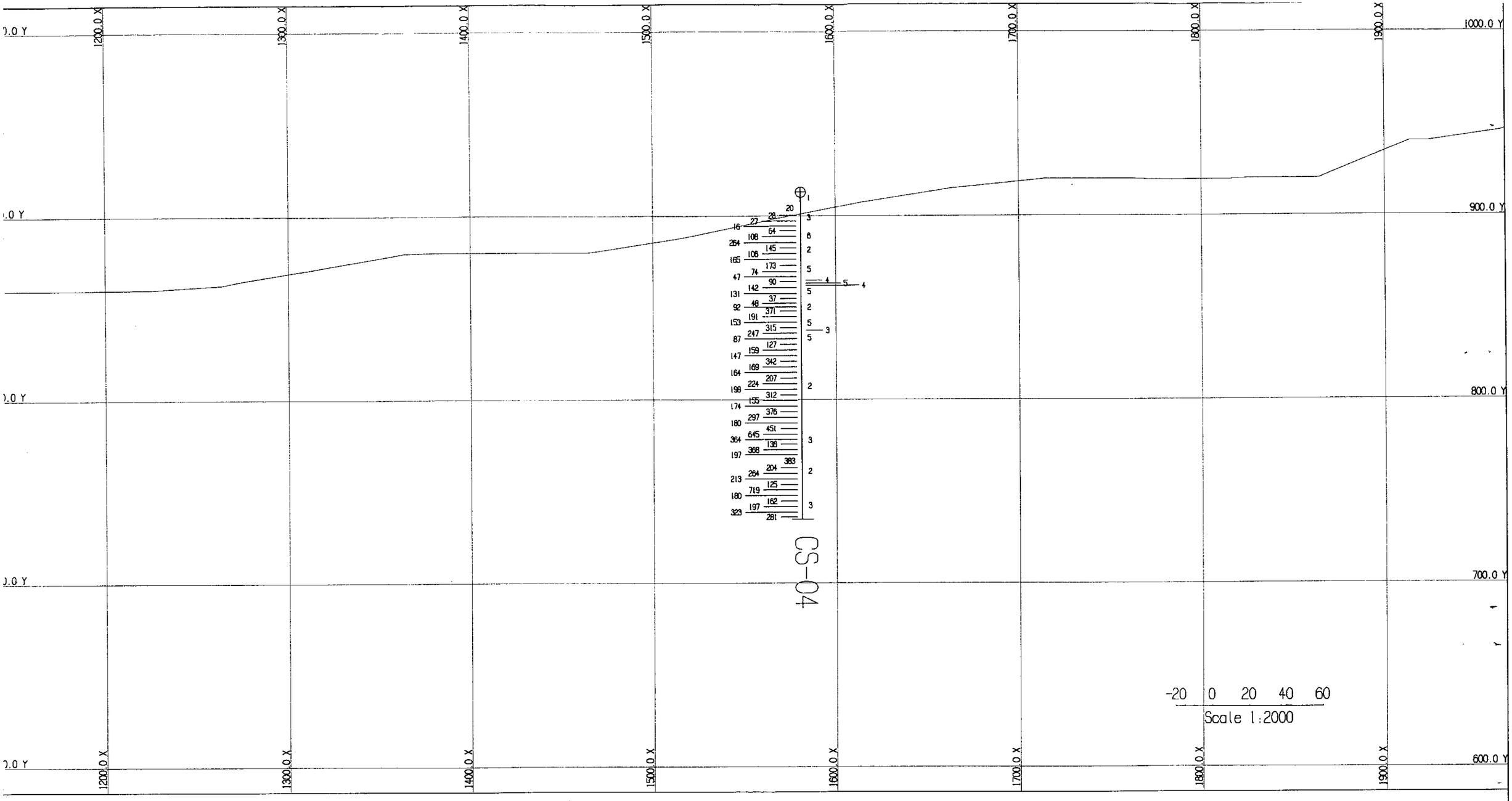
DoubleStar Resources Ltd.
Vancouver Office
Suite 305, 1549 Marine Dr.
West Vancouver, BC
V7V 1H9

UNITS : METRES DATE: 01/12/04 TIME: 16:35:30

Copper Star Project
Section 13750E
Lithology - right ; Cu Grade (ppm) - left
1=ovbrn; 2=felsic volc; 3=mafic volc; 5=Granod



DoubleStar Resources Ltd. Vancouver Office Suite 305, 1549 Marine Dr. West Vancouver, BC V7V 1H9	Copper Star Project Section 14000E Lithology - right : Cu Grade (ppm) - left 1=ovbrn; 2=felsic volc; 4=porphyry; 5=Gd; 6=Sed
UNITS : METRES DATE: 01/12/05 TIME: 09:19:22	Software by Geocom Software International



DoubleStar Resources Ltd. Vancouver Office Suite 305, 1549 Marine Dr. West Vancouver, BC V7V 1H9	Copper Star Project Section 14500E Lithology - right : Cu Grade (ppm) - left 1=ovb; 2=felsic vc;3=mafic vc4=porpy;5=Gd; 6=Sed
UNITS : METRES DATE: 01/12/05 TIME: 09:37:31	Software by Geosoft Software International