Regional Geologist, Prince George **Date Approved:** 2005.05.05 **Off Confidential:** 2005.10.24

ASSESSMENT REPORT: 27599 **Mining Division(s):** Omineca

Property Name: Kaza-Northstar

Location:

NAD 27	**Latitude:**	56 02 45	**Longitude:**	126 15 10	**UTM:**	09	6214371	671117
NAD 83	**Latitude:**	56 02 45	**Longitude:**	126 15 17	**UTM:**	09	6214580	670990
NTS:	094D01W							
BCGS:	094D009							

Camp:

Claim(s): Mars

Operator(s): Northern Hemisphere Development Corporat

Author(s): Schulze, Carl

Report Year: 2005

No. of Pages: 108 Pages

Commodities Searched For:

General Work Categories: DRIL, GEOC

Work Done:

Drilling
DIAD Diamond surface (5 hole(s);NQ) (963.8 m) No. of maps : 9 ; Scale(s) : 1:50 000, 1:5000, 1:2500, 1:250
Geochemical
ROCK Rock (74 sample(s);)
Elements Analyzed For : Multielement
SAMP Sampling/assaying (294 sample(s);)
Elements Analyzed For : Multielement
SILT Silt (24 sample(s);)
Elements Analyzed For : Multielement
SOIL Soil (368 sample(s);)
Elements Analyzed For : Multielement

Keywords:

Triassic, Savage Mountain Formation, Limestones, Mudstones, Basalts, Andesites, Chalcocite, Bornite, Azurite

Statement Nos.:

3218397

MINFILE Nos.:

093M 032

Related Reports:

00833, 01084, 05247, 04477, 08869, 12533, 24792, 24793, 25897, 27354

Assessment Report
Year-2004 Diamond Drilling Program
on the
MARS Claim,
Kaza-Northstar Project
Northern Hemisphere Development Corporation

MARS Claim: Tenure No 237866

Fort St. James area, north-central British Columbia
Omineca Mining Division

56° 02' 45" N Latitude, 126° 15' 10" W Longitude (Northstar Prospect)
NTS 94D/009

Effective Date: Sept 30, 2004

Owner/ Operator:
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Jan 8/2005

Summary

During the Year-2004 field season, Northern Hemisphere Development Corporation conducted diamond drilling and surface exploration on its Kaza–Northstar property, located within the Omineca Mining District roughly 220 air kilometres north-northwest of Fort St. James, north-central British Columbia). A five-hole diamond drilling program was completed on each of two major project areas within one contiguous claim block, the Northstar project area and the Kaza project area. All drilling within the Northstar project area took place on the MARS claim, Tenure No 237866. The property was then expanded through claim staking to its present size of 338 units, covering about 8,450 hectares.

The 2004 program included construction of a large base camp with generator power, capable of housing 16 people, along the south shore of Kaza Lake, equidistant from the two drilled project areas. The complex includes fully electrified core shack facilities and permanent core racks. Road access was also improved through construction of temporary bridges across two crossings of Kaza Creek, lifting of the Lion Creek Bridge to comply with 100-year flood levels, and installation of numerous culverts south of the camp.

Drilling at the Northstar project area intersected a 453.7-foot (138.3m) interval of disseminated and fracture filling copper mineralization grading 0.55% copper within Hole NS-04-02, and a 286.2-foot (87.2m) interval of similar material grading 0.51% copper in Hole NS-04-04. Both holes were drilled at different dip angles from the same set-up and with identical azimuths. Mineralization, occurring within feldspar porphyritic andesite, consists of north-south trending, steeply west dipping distinct zones of primarily chalcocite or bornite or chalcopyrite, or combinations of these. These geochemically distinct zones terminate at the fault-controlled contact of the andesite with an underlying flat-lying to gently north-dipping limestone unit, although mineralization extends into the limestone. Mineralization terminates abruptly at the basal limestone fault contact with an underlying chloritic basalt and pyroclastic sequence.

A potential deposit setting consisting of a sub-vertical north-south striking zone of disseminated "Sustut-copper" type low temperature mineralization, terminating along the lower limestone contact, may be used as a working model for exploration. This model is enhanced by a strong coincident north-south trending Induced Polarization (I.P.) geophysical chargeability signature; I.P. is an excellent exploration tool at this prospect.

At the Northstar project area a ten-hole, 2,300-metre (7,545-foot) drill program is recommended to test for continuity of broad zones of disseminated and fracture-filling mineralization. This program is designed to test for mineralization near the discovery holes first, and then progress outwards along the interpreted zone extensions. Expenditures for the field drilling program, including 10% contingency, are estimated at roughly CDN$433,000.

Some follow-up surface work is proposed for the Northstar project area, particularly for the sizable copper anomaly delineated in the southeast grid extension. Induced Polarization surveys are also recommended for the latter, and for lines not completed during the 2003 geophysical program. Expenditures for the proposed surface exploration, including 10% contingency, stand at CDN$59,939.

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1.0 Introduction and Terms of Reference

1.1 Introduction

During the Year-2004 field season, Northern Hemisphere Development Corporation (Northern Hemisphere, symbol "NHD", TSX Venture Exchange) conducted diamond drilling and surface exploration programs on its Kaza–Northstar property. The property is located within the Omineca Mining District roughly 220 air kilometres north-northwest of Fort St. James, north-central British Columbia (Figure 1). The property hosts two major project areas within one contiguous claim block: the Northstar project area, centered at 56° 03' 05" N Latitude, 126° 15' 00" W Longitude; and the Kaza project area, centered at 55° 58' 45" N Latitude, 126° 20' 15" W Longitude.

The diamond drilling program at the Northstar project area consisted of five holes for 3,162' (963.7m). Drill targets were selected from results of Northern Hemisphere's 2003 surface exploration program. This report deals with drilling on the Northstar project area only, all of which took place on the MARS claim. The work could not be applied to other claims comprising the property, as the anniversary dates occurred prior to filing of work performed on the MARS claim.

Northern Hemisphere entered into an option agreement in March 2002 to obtain a 100% interest in the Kaza and Northstar properties, then conducted additional staking, expanding the claim groups to result in one contiguous land package. An additional 175 claim units surrounding the entire property were added late in the 2004 season to further improve the land position, increasing the land package to approximately 338 units covering 8,450 hectares.

This independently produced report was prepared to satisfy requirements governing filing of assessment work in the Province of British Columbia, and to support the Statement of Work filed in October 2004.

1.1.1 Underlying Agreements

On March 11, 2003, Northern Hemisphere entered into an option agreement to acquire a 100% interest in the Kaza–Northstar property, subject to a 3% Net Smelter Return (NSR) royalty, from an arm's length optioner for and in consideration of the issuance of an aggregate of 700,000 shares of Northern Hemisphere (News Release, Mar 14, 2003, Northern Hemisphere, available on SEDAR). The 3% NSR may be acquired by the issuer at any time as to 2% of the royalty for CDN$1,000,000 per percentage point, and $1,000,000 for the remaining 1 percent. The Company has also committed to a work commitment of CDN$500,000 and to annual payments of CDN$15,000 as advance royalty payments on the 3% NSR.

1.2 Terms of Reference

The author has been requested to write this report using these terms of reference:

a) To review and compile the available information and data, including geological, structural, geochemical and geophysical data obtained by Northern Hemisphere during the June – September, 2003 field season, pertaining to the Kaza-Northstar Project and associated interpreted copper-gold-silver potential.

b) To comply with the TSX Venture Exchange regulatory requirements.

c) To follow the guidelines and framework defined in the Form 43-101-F1, pertaining to National Instrument 43-101: "Standards of Disclosure for Mineral Projects".

d) To support the technical disclosure by Northern Hemisphere in its Annual Information Form.

1.3 Sources of Information

This report is based on information obtained from assessment reports and internal documents, including geological and geochemical maps, rock, soil and silt geochemical results. Government reports, including B.C. Minfile, and reports published within bulletins issued by the Canadian Institute of Mining (CIM), as well as personal communication with British Columbia government geologists were also used as source material. Much of the past information, including project area history, was provided by J. Patricio Varas, BSc, PGeo, and Richard D. Williams, contained within a year-2002 report provided to Northern Hemisphere on the Kaza - Northstar property, and by Sikanni Mine Development Ltd for Everest Mines and Minerals Ltd, within two year-1998 reports on the Kaza and Northstar properties respectively.

The report is also based upon results of year-2003 geological and structural mapping, geochemical surveying and interpretation conducted by All-Terrane Mineral Exploration Services, and on 2004 diamond drilling results, also managed by All-Terrane. It also includes interpretation of geophysical surveying conducted by Aurora Geosciences Ltd.

1.4 Field Involvement of Qualified Person

Mr. Carl Schulze, PGeo, the Qualified Person for this report, supervised all aspects of the diamond drilling program from early June to late-September, 2004, and was present on site at the onset of the field season and for part of the Northstar project area drilling program. Mr. Schulze also conducted compilation and interpretation of geological, structural and geochemical results, and participated in interpretation of geophysical results.

Disclaimer: The author cannot verify the quality of sample collection, preparation, analysis, shipping and security, or of reporting of geological, geochemical, structural or any other geoscience data obtained from historical documents pertaining to the Kaza-Northstar project, except for that described in the year-2002 report by Varas and Williams, in the 2003 progress report by Schulze, and in the 2003 geophysical report by Belcourt.

2.0 Property Description and Location

The Kaza – Northstar property is located roughly 220 air kilometers north-northwest of Fort St. James, and about 150 km north-northeast of Smithers in north-central British Columbia. The property hosts two major project areas: the Northstar project area, centered at 56° 03' 05" N Latitude, 126° 15' 00" W Longitude; and the Kaza project area, centered at 55° 58' 45" N Latitude, 126° 20' 15" W Longitude. The one-unit, 25-hectare MARS claim itself is centered at 56° 02' 45" N Latitude, 126°15'10" W Longitude. The project is located on NTS Sheets 93M 099 and 94D 009 (formerly NTS sheets 93M/16 and 94D/01.

The property covers roughly 8,450 hectares areas within NTS Sheets 93M/16 and 94D/01, extending as a north-northeast-trending contiguous claim block along the eastern portion of Kaza Lake. It consists of 40 two-post claims and 20 four-post claims (Table 1), held by Northern Hemisphere for a total of 338 claim units. The two-post claims are held by Ms. J. Miller-Tait under option to Northern Hemisphere. The four-post TLA 1 through TLA 7 claims were recorded in April, 2002 and the Garry claim was recorded in September, 2003; these were subsequently included in the agreement. The TLA 9-25, TED 1-2 and WILD ROSE 1-4 claims were staked in 2004, and also included into the agreement. All claims are unpatented and, to the author's knowledge, have not undergone a legal survey.

Table 1 lists claim status, including expiry dates, of the Kaza-Northstar property.

The property has received full permitting for surface exploration and proposed diamond drilling programs, as well as for access to the property. Northern Hemisphere has agreed to conduct full reclamation of all surface disturbances, including drill sites, incurred during its exploration program, and has fully reclaimed a derelict outfitter's camp south of Kaza Lake. Northern Hemisphere has also conducted full reclamation of the former exploration camp at Kaza Lake. Northern Hemisphere has also improved bridge access across Lion Creek by raising the bridge in compliance with 100-year flood levels, and has constructed temporary bridges and installed culverts across significant stream crossings.

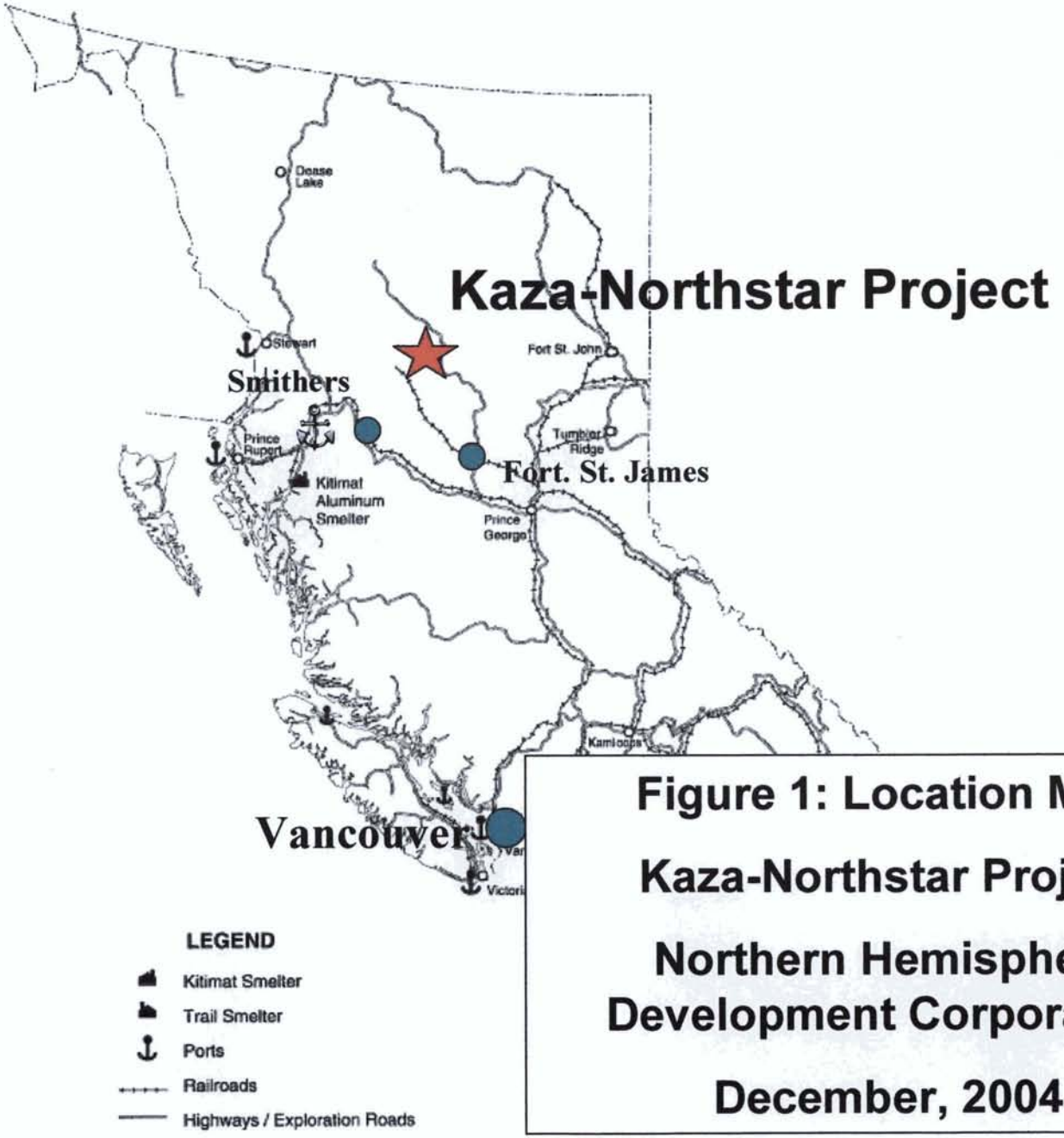

Figure 1: Location Map

Kaza-Northstar Project

Northern Hemisphere Development Corporation

December, 2004

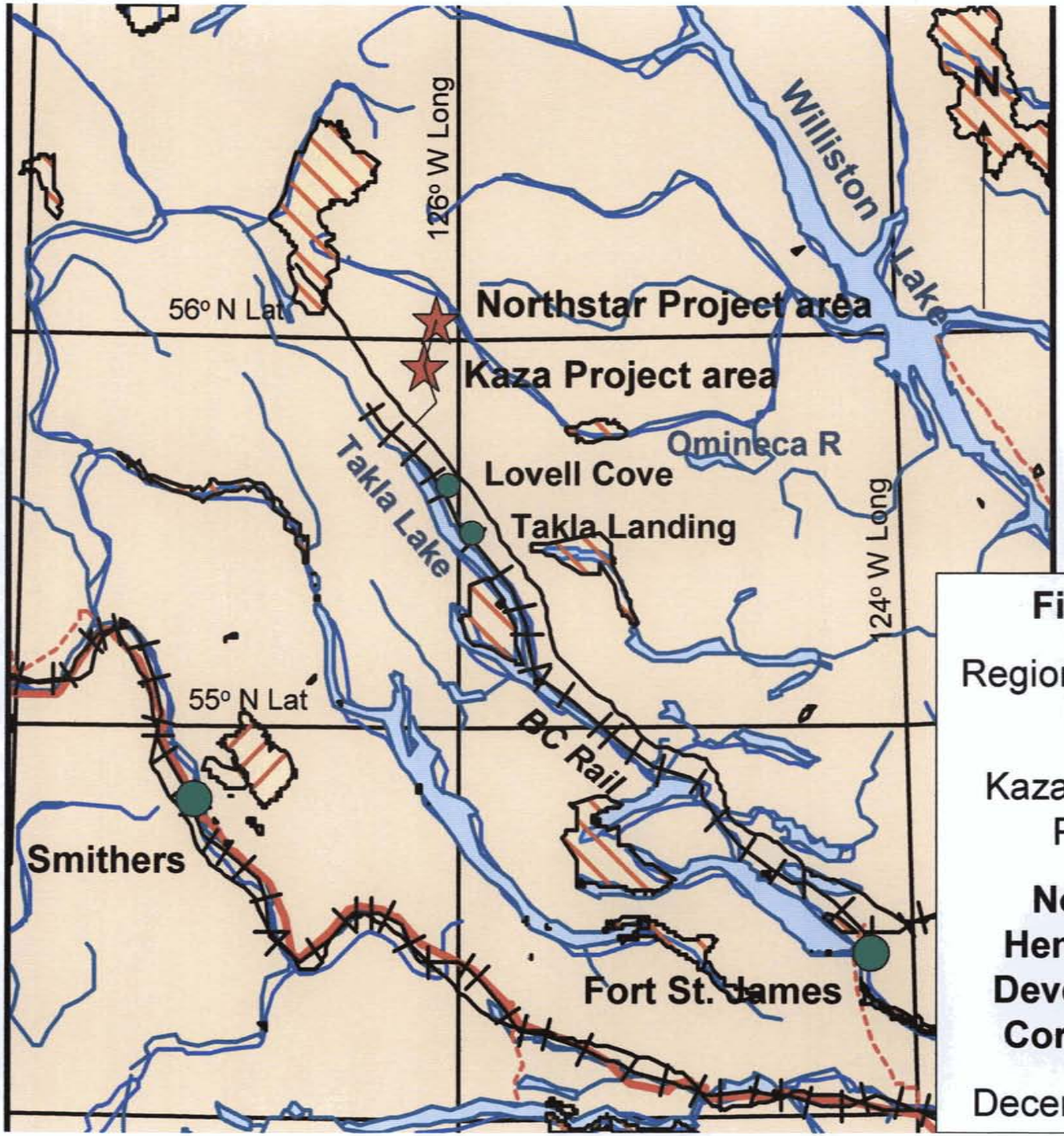

Figure 2:

Regional Location Map:

Kaza-Northstar Project

Northern Hemisphere Development Corporation

December, 2004

A large camp complex capable of housing 16 people, with generator power and fully electrified core logging facilities, has been constructed at Kaza Lake, equidistant between the two project areas.

The Northstar project area hosts several zones of copper-silver mineralization occurring as massive chalcocite and/or bornite veining, largely within a north-south extending dilational corridor. No mineral resources or reserves have been established within the property, and there are no previous mine workings.

Table 1

Claim Tenure, Kaza-Northstar Project

Northern Hemisphere Development Corporation

Claim Name	Tenure No.	No. of Units	Date Staked	Expiry Date
Bob 1	337673	1	7/4/1995	7/4/2012
Bob 2	337674	1	7/4/1995	7/4/2012
Bob 3	337675	1	7/4/1995	7/4/2012
Camp	340383	1	9/17/1995	9/17/2006
GARRY	405109	12	9/8/2003	9/8/2011
Jim 1	337669	1	7/4/1995	7/4/2012
Jim 2	337670	1	7/4/1995	7/4/2012
Jim 3	337671	1	7/4/1995	7/4/2012
Jim 4	337672	1	7/4/1995	7/4/2012
K23	361685	1	3/10/1998	3/10/2012
K24	361686	1	3/10/1998	3/10/2012
K25	361687	1	3/10/1998	3/10/2012
Lake	242663	1	8/25/1990	8/25/2012
Lake 2	330452	1	8/26/1994	8/26/2012
Lake 3	330453	1	8/26/1994	8/26/2012
Lake 4	330454	1	8/26/1994	8/26/2012
Lake 5	330455	1	8/27/1994	8/27/2012
LOG 1	239014	1	8/23/1985	8/23/2012
LOG 3	328483	1	7/10/1994	7/10/2013
LOG 4	328484	1	7/10/1994	7/10/2012
LOG 5	328485	1	7/10/1994	7/10/2012
LOG 6	328486	1	7/10/1994	7/10/2012
LOG 7	328487	1	7/10/1994	7/10/2012
LOG 8	330456	1	8/26/1994	8/26/2012
LOG 9	330457	1	8/26/1994	8/26/2012
LOG 10	330458	1	8/26/1994	8/26/2013
LOG 11	340384	1	9/17/1995	9/17/2006
MARS	**237886**	**1**	**10/14/1976**	**10/14/2006**
MONA 1	340381	1	9/17/1995	9/17/2006
MONA 2	340382	1	9/17/1995	17/09/2006
MOON	242664	1	8/25/1990	8/25/2012
TLA 1	392540	20	3/28/2002	3/28/2011
TLA 2	392541	20	3/28/2002	3/28/2011
TLA 3	392542	12	3/28/2002	3/28/2011
TLA 4	392543	15	3/28/2002	3/28/2011
TLA 5	392544	18	3/28/2002	3/28/2011
TLA 6	392545	16	3/28/2002	3/28/2011
TLA 7	392546	20	3/28/2002	3/28/2011
TLA 9	413538	15	8/13/2004	8/13/2005
TLA 10	413539	9	8/13/2004	8/13/2005
TLA 11	413540	18	8/13/2004	8/13/2005
TLA 13	413541	9	8/12/2004	8/12/2005
TLA 14	413530	1	8/10/2004	8/10/2005
TLA 15	413542	15	8/14/2004	8/14/2005
TLA 16	413543	15	8/13/2004	8/13/2005
TLA 17	413544	20	8/14/2004	8/14/2005
TLA 18	413545	18	8/14/2004	8/14/2005
TLA 19	413546	6	8/15/2004	8/15/2005
TLA 20	413547	15	8/12/2004	8/12/2005
TLA 21	413548	9	8/9/2004	8/9/2005
TLA 22	413549	16	8/15/2004	8/15/2005
TLA 23	413533	1	8/12/2004	8/12/2005
TLA 24	413534	1	8/12/2004	8/12/2005
TLA 25	413535	1	8/12/2004	8/12/2005
TED 1	411151	1	5/30/2005	5/30/2005
TED 2	411152	1	5/30/2004	5/30/2005
Wild Rose	413534	1	8/14/2004	8/14/2005
Wild Rose 2	413535	1	8/14/2004	8/14/2005
Wild Rose 3	413536	1	8/14/2004	8/14/2005
Wild Rose 4	413537	1	8/14/2004	8/14/2005
	Staked in 2004:	**175**		
	Total:	**338**		

3.0 Access, Physiography and Climate

The Kaza-Northstar property is accessible by all-weather logging roads in good condition extending roughly 260 road kilometers from Fort St. James to roughly two kilometers south of the south property boundary. From there, the property is accessible during the summer by 4WD vehicles along a narrow road, extending through the Kaza project area to the Northstar project area. This road has been upgraded considerably during the 2004 season, including culvert and temporary bridge construction; however, 4WD vehicles are still recommended during wet weather. The Northstar project area is also accessible by fixed wing aircraft based at Fort St. James and by helicopter from Smithers, B.C. 150 kilometres to the south-southwest. A major road-accessible logging camp, the Lovell Cove camp, is located about 60 road kilometers to the southwest along the BC Rail line.

The Northstar project area is located within the Cariboo Heart Range, with elevations from 1,200 metres (4,000 feet) to 1,750 metres (5,750 feet). Topography in the Northstar project area is moderate to steep, mostly below the tree line at about 1,600 metres (5,250 feet) where it is covered by thick stands of sub-alpine fir with lesser spruce. The Kaza and Henry Lee project areas are located within gently to moderately rolling terrain west of the Cariboo Heart Range with elevations ranging from 1000 metres (3,300 feet) to 1,250 metres (4,100 feet). Vegetation at the Kaza project area consists of regenerated mixed coniferous and deciduous forest and scrub following a forest fire occurring in the mid-1960s. Most of the Henry Lee Creek area escaped the fire, and is covered by mixed spruce and fir forests.

The climate is typical of northern continental areas, with cool summers and cold winters, and fairly abundant summer rainfall and winter snowfall, particularly in the Northstar project area. The snow-free field season occurs from June to early November, likely somewhat shorter at higher elevations, although drilling can be done under early winter conditions with moderate snow cover.

The property contains abundant moderate terrain suitable for construction of mine workings, processing plant sites tailings ponds, heap-leach pads and waste disposal areas, if warranted. Abundant water is available at Kaza Lake and Lion Creek.

Fort St. James is a full-service community servicing a population of about 5,500, with excellent road and hydro-electric power access. The B.C. Rail line, which extends north-northwest from the town, is located roughly 20 kilometres west of the property. Smaller population centres exist along Takla Lake, particularly in the Lovell Cove area.

4.0 History

Much of the information comprising the following section is supplied by the year-2002 compilation report by J. Varas and Richard Williams.

The showings comprising the Northstar project area were first discovered and staked as the FRED prospect by Mr. Robert Tait in 1965. Five showings were identified: the Main showing, the North showing, the CV and CVH showing (both also referred to as the B showing) and the BC showing (BC Minfile, 2003). The Main showing consists of disseminated bornite, chalcopyrite and copper oxide mineralization within north-south striking, steeply east dipping siltstones, from which a sample returned a value of 2.65% copper, 6.86 g/tonne silver and 0.2 g/tonne gold (Property File, Kikuchi, T., 1969). The North showing, located 300 – 450 metres to the northwest, hosts disseminated chalcocite within andesite, from which a sample taken in 1966 returned 1.57% copper and 13.7 g/tonne silver (White, 1966). The BC showing, 500 metres southeast of the Main showing, consists of a 7 – 15 centimetre wide vein, from which a channel sample returned a value of 50.9% copper, 603.4 g/tonne silver and 0.3 g/tonne gold (Letter from the President, Northstar Copper, 1967). The CVH showing, consisting of bornite, chalcocite and specular hematite located 600 metres south-southeast of the Main showing, returned a value from trench chip sampling of 2.60% copper, 5.14 g/tonne silver and 0.2 g/tonne gold across 7.3 metres (Kikuchi, 1969). The CV showing, consisting of shear-hosted bornite, covellite, chalcocite and specular hematite located 45 metres west of the CVH showing, returned a channel sample value of 3.3% copper and 10.3 g/tonne silver across 3.66 metres (Kikuchi, 1969).

Exploration in 1966 consisted of preliminary mapping, prospecting and geological mapping, followed by grid soil sampling and a 637-metre diamond drilling program of nine AQ-diameter holes targeting the Main and B showings (Table 2).

In 1968, a further eleven AQ-diameter holes totaling 800 metres were drilled, as well as 9,144 metres of bulldozer trenching and blasting of 50 shallow pits (Table 2). Trenching across part of the B showing revealed a system up to 11 metres wide and traceable for 60 metres, consisting of sub-parallel chalcocite-bornite veins to 0.45 metres in width (Varas and Williams, 2002, after White, 1968). An 8.16-metre channel sample reported the following grades:

Sample # *	Sample Width (m)	Ag (g/tonne)	Cu (%)
7172	3.05	4.65	0.65
7173	0.41	173.6	32.00
7174	1.27	3.1	0.70
7175	3.05	4.65	0.90
7176	0.38	1.125	7.2
Total	**8.16m**	**12.65 g/tonne Ag**	**2.62% Copper**

Sampling of a second trench located 150 metres to the south-southwest returned the following grades (White, 1968):

Sample # *	Sample Width (m)	Ag (g/tonne)	Cu (%)
7186	3.35	4.65	1.05
7187	1.83	13.95	3.00
Total	**5.18**	**7.9 g/tonne Ag**	**1.74% Cu**

* from Varas and Williams, 2002.

A further thirteen AQ-diameter holes totaling 1242 metres were drilled, largely across the B showing (Table 2). From this work, a northwest-southeast trending zone of disseminated and irregular veinlets of bornite within brecciated porphyritic andesite (White, 1968) was delineated, with interpretation, including drill intercepts, described in Figure 3.

In 1972, nine AQ-diameter holes totaling 693 metres were drilled; however, locations and results are not known.

In 1973, Bethlehem Copper Mines Ltd. optioned the property, conducted a geochemical survey across the eastern portion of the property, excavated two more bulldozer trenches, and drilled eight shallow AQ diamond drill holes totaling 290 metres.

In 1974 Northstar Copper Mines Ltd. conducted limited bulldozer trenching and a 10-hole, 398-foot (121.5m) "Winkie" drilling program targeting extension of the shale unit hosting the "RMT" showing, interpreted as occurring north of the B-showing. No significant intercepts were reported.

The property lay dormant until 1996, when Everest Mines and Minerals Ltd optioned both the Kaza and Northstar properties. A bulldozer trench at the B-showing exposed a system of parallel chalcocite veins and mineralized shear zones within porphyritic andesite. Eight continuous 2-metre chip/ channel samples were obtained, returning a value of 2.8% copper and 13.6 g/tonne silver across 16 metres (Miller-Tait, 1996). A second showing, the "B-Zone 2", discovered 100 metres to the north, is comprised of three narrow north-south striking, west-dipping chalcocite-bornite veins. Channel sampling returned the following results:

Width (m)*	Ag (g/tonne)	Cu (%)
2.0	50.4	8.4
2.0	60	11.8
1.0	55	9.6
1.0	40.7	7.7

* after Varas and Williams, 2002

Table 2: Summary of 1967 - 1969 Diamond Drilling Data
Northstar Copper Mines Ltd.

Hole No.	Depth (ft)	Angle (Degrees)	Azimuth (Degrees)	Remarks
1967 Drilling:				
1	248	-50	295	
2	328	-50	340	
3	468	-45	290	
4	94	Vertical		Abandoned
5	450	-45	195	101 - 145': 1.38% Cu
6	125	-30	295	
7	102	-30	295	42 - 102": 0.64% Cu, ended in 0.58% Cu
8	126	-20	250	
9	150	-20	350	
Total:	**2091 ft**			
1968 Drilling:				
10	306	-45	240	140 - 188': 1.68% Cu
11	355	-45	130	
12	132	Vertical		0.0 - 7.5': 1.52% Cu
13	490	-45	195	17 - 25': 0.40% Cu
14	80	Vertical		Abandoned
15	271	-45	240	
16	252	-45	280	
17	105	-30	290	
18	227	-30	315	
19	174	-30	285	110 - 111': 0.85% Cu
20	178	-45	270	0 - 10': 0.28% Cu
Total:	**2570 ft**			
1969 Drilling:				
21	361	-45	285	247 - 287': 1.14% Cu
22	194	-55	260	177 - 193': 1.97% Cu; abandoned
23	186	-55	240	120 - 156': 1.50% Cu
24	57	-70	240	Abandoned
25	324	-45	165	100 - 106': 4.29% Cu
26	386	-55	240	237 - 239': 4.32% Cu 311 - 317': 4.32% Cu
27	427	-65	240	268 - 294': 2.79% Cu
28	496	-65	285	
29	498	-65	268	
30	51	Vertical		
31	193	-60	45	71 - 85': 0.83% Cu 126 - 135': 0.35% Cu 149 - 159': 1.51% Cu
32	447	-60	200	
33	454	-65	245	
Total:	**4074 ft**			
Total 1967 - 1969: 8735 feet				

December, 2004

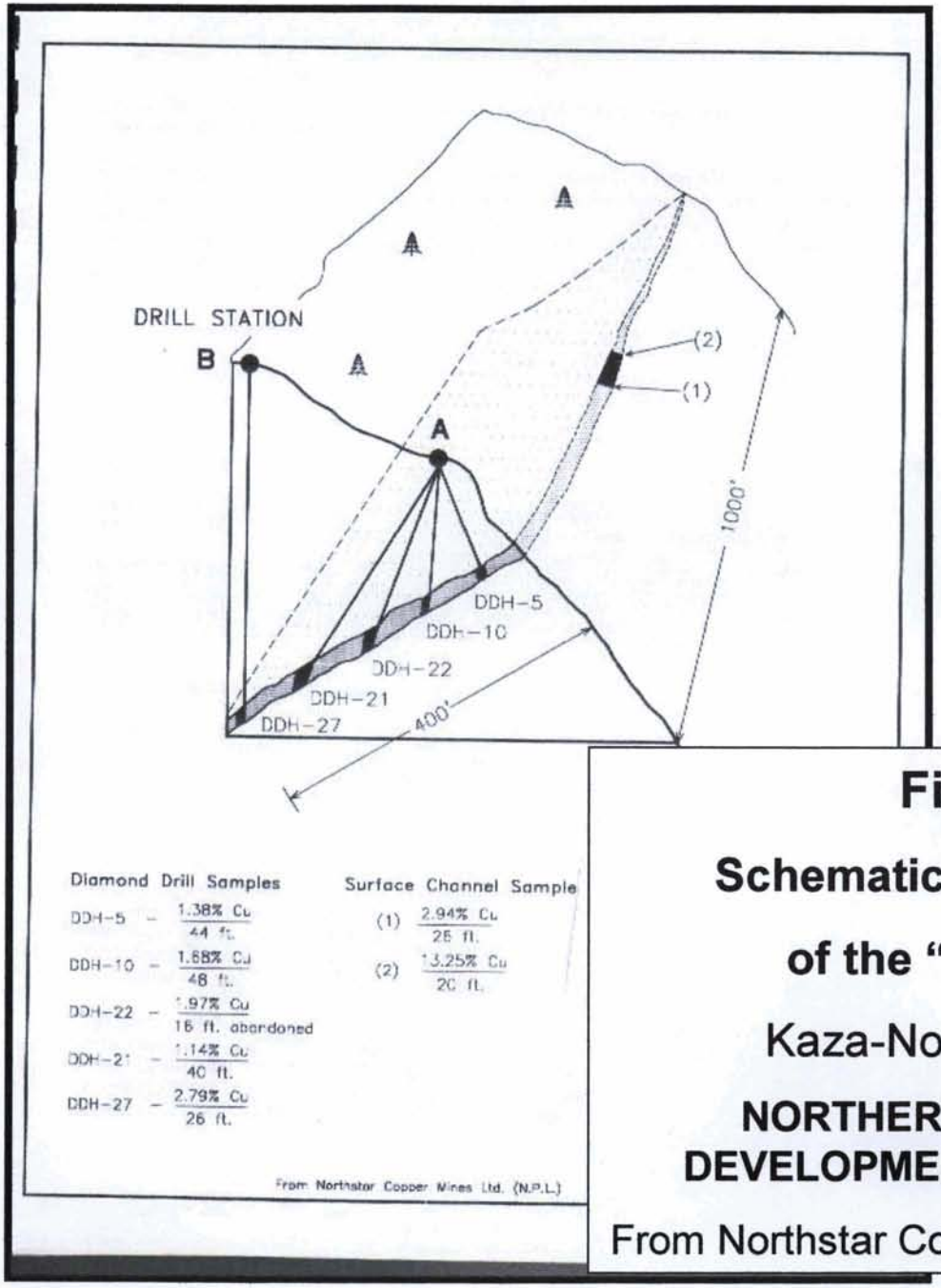

Figure 4

Schematic Block Diagram

of the "B" Showing

Kaza-Northstar Project

NORTHERN HEMISPHERE DEVELOPMENT CORPORATION

From Northstar Copper Mines Ltd. (N.P.L.)

In 1997, Everest Mines and Minerals Ltd established a cut grid of eleven 990-metre lines ranging from 0+00 to 10+00N, extending east from Base Line 0+00. Everest conducted a detailed soil geochemical program at 15-metre station intervals across the southern ten lines (a 30-metre station interval was used for the southern three lines). The program focused on copper, silver, gold, lead and zinc analysis, and delineated numerous northeast-southwest to north-south trending copper anomalies. Everest also excavated three new trenches and a blast trench: the "Discovery Cut", hosting the "New Vein", located south of the B-showing; Trench TN-1 located about 40 metres to the north of the Discovery Cut; and the blast trench and trench TN-2, about 180 metres to the northeast, all within porphyritic andesite. Channel sampling of the 0.75-metre "New Vein", hosted within a 2.0-metre wide shear zone oriented at 160°, returned values of 51.68% copper and 279 g/tonne silver across 1.0 metre, and 20.6% copper and 124 g/tonne silver across 2.0 metres. Results from trench sampling are as follows:

Trench *	Width (m)	Copper (%)	Silver (g/tonne)	Gold (ppb)
Discovery	5.0	7.9	55.2	266
Blast trench	5.5	7.3	46.6	
TN-1	23.0	2.1	4.6	
TN-2	7.0	7.9	55.2	

* after Varas and Williams, 2002

A fourth trench, TN-3, south of the Discovery Cut, was not sampled, due to "no visible mineralization".

Also in 1997, Everest contracted Geotronics Surveys Ltd. to conduct ground magnetic, Induced Polarization (IP) chargeability and resistivity surveys covering the same grid lines as the geochemical survey. The IP survey revealed a broad anomalous area ranging from 500 metres wide along Lines 7 + 00 and 9 + 00N to 900 metres wide along Lines 2+00, 3+00 and 4+00N. The survey indicates the anomalous zone strikes roughly north-south, is at least 900 metres long and is open along strike. In southern areas it is comprised of up to four zones, with a single source comprising the northern part. The northwestern part of the anomaly correlates with magnetic and resistivity contacts, with magnetic and resistivity highs correlating with porphyritic andesites, and lows corresponding with sedimentary units (Varas and Williams, 2002; after Mark, 1998). In the southeastern part the response is more complex, with correlation between IP response and anomalous copper and silver soil geochemical values ranging from excellent to no correlation (Mark, 1998).

In March 2002, Northern Hemisphere Development Corporation entered into an option agreement to acquire a 100% interest in both the Kaza and Northstar properties. Northern Hemisphere then staked the TLA 1 – 8 claims, covering territory between the two claim

blocks, effectively creating one contiguous land holding, as well as additional ground to the north and south of the respective project areas. The Northstar and Kaza properties are now referred to as the Northstar project and Kaza project areas.

In July 2002, J. Patricio Varas and Richard Williams, along with consultant Godfrey Walton visited both project areas, and provided recommendations for further exploration. These formed the basis of the year-2003 surface exploration field program described in this report.

In 2002 Northern Hemisphere entered into an option agreement to acquire both the Kaza and Northstar properties (see Section 4.1). Northern Hemisphere conducted surface exploration programs, including line cutting, Induced Polarization and surface magnetometer geophysical surveying, systematic soil sampling and geological mapping across cut grids, and rock geochemical sampling throughout the property. These led to identification of the "Dilational Corridor" in the Northstar project area, and the Hornblendite Zone in the Kaza project area (see Progress Report on the Year 2003 Surface Exploration Program, 2003).

5.0 Geological Setting

5.1 Regional Geology

The Kaza-Northstar property is located on NTS map sheets 93M/099 (formerly 93M/16, northeast corner of the Hazelton sheet) and 94D/009 (formerly 94D/01, southeast corner of the McConnell Creek sheet). The property is located within the Intermontane Belt of the Canadian Cordillera and is underlain by the Stikinia terrane which lies in north-northwest contact with the Cache Creek terrane roughly 10 kilometres to the east. Stratigraphy, including ages of groups and formations, is based on reports authored by Dean in 1973, in turn based on Geological Survey of Canada reports O.F. 342 and O.F. 2322.

The Cariboo Heart Range and much of the broad, north-northwest trending Lion Creek valley to the west is underlain by Upper Triassic Takla Group (Stuhini Group) rocks, predominantly Savage Mountain Formation subaqueous augite porphyritic basaltic and porphyritic andesitic flows and tuffs, with lesser shale and greywacke and minor limestone. These stratigraphically overlie Dewar Formation tuffs and clastic sediments, with minor limestone, also part of the Takla Group, exposed within southwestern portions of the Cariboo Heart Range.

South of Kaza Lake, klippes of Takla Group rocks have been emplaced by thrust faulting onto an assemblage of predominantly Jurassic to Cretaceous Hazelton Group rocks, which underlie much of the lower Lion Creek valley. Here, the Hazelton Group consists largely of Telkwa Formation calc-alkaline basaltic to andesitic flow, tuff and lapilli tuff volcanics, with lesser dacitic and rhyolitic volcanics and intercalated volcaniclastic

sediments (Church and Tait, 1998, after Dean, 1973). Telkwa Formation rocks are overlain by Cretaceous Sustut Group, Tango Creek Formation conglomerate, sandstone, siltstone and coaly shale, which directly underlie the Stuhini Group klippes. Hazelton Group rocks have also been intruded by Tertiary Kastberg Intrusives, consisting of biotite rhyodacite porphyry and massive leuco-rhyolite (Church and Tait; 1998, after Dean, 1973).

Regional and district scale faults, including the Takla Fault east of the Cariboo Heart Range, and the Pinchi Fault further to the east, extend NNW – SSE, conformable to regional stratigraphic and tectonic trends within the northern Cordillera at comparable latitudes. Within the Lion Creek area, these faults signify major structural breaks manifested as river drainages.

Dean (1973) identified a major northeast-dipping thrust fault, the "Vital Fault", east of the Takla Fault, resulting in emplacement of upper Cretaceous layered "Axelgold" gabbros onto Triassic to Jurassic Stilika Assemblage metapelites, metaconglomerates and metavolcanics. Pennsylvanian to Permian Cache Creek oceanic volcanics, oceanic shales and chemical sediments, and serpentinite underlie much of the territory east of the Vital Fault.

The Early Jurassic Hogem Batholith, consisting of foliated quartz monzonite, occurs southwest of the project area (Varas and Williams, 2002, after Thompson, 1996).

5.2 Property Geology

The major lithological units and stratigraphy that form the basis of the property geology of this report were identified and mapped by Dean in 1973.

The Northstar project area is underlain by Upper Triassic Savage Mountain Formation volcanics and lesser limestone and fine clastic sediments. Southeast of Kaza Lake, Savage Mountain Formation volcanics occur within a thrust fault-emplaced klippe overlying Cretaceous Tango Creek Formation conglomerate and sandstone (Unit 6, Map 1), visible at one outcrop location along the access road. The property area extending south-southwest of the south shore of Kaza Lake is underlain by Lower Jurassic Hazelton Group, Telkwa Formation calc-alkaline volcanics, predominantly basalts, andesites and andesite tuffs (Unit 5 on Map 1a, Unit 1 on Maps 2a and 3a). Quartz and quartz-feldspar porphyritic dykes occur within the Telkwa Formation volcanics; these have been interpreted as members of the Tertiary Kastberg Intrusives.

Dean (1973) interpreted two parallel north-northwest – south-southeast trending property-scale faults northeast of the Kaza project area. The southwestern fault was also indicated by year -2003 mapping, although presence of the northeastern fault was not confirmed.

5.2.1 Geology

The Northstar project area is underlain by four members of the Upper Triassic Savage Mountain Formation volcano – sedimentary package. The oldest member, "Unit 1", consists of a broad unit of feldspar porphyritic andesite, with up to 25% porphyritic plagioclase clasts to 2.0 cm in length, locally bladed, within a fine grained dark groundmass (Map 1). Andesites are commonly vesicular to amygdaloidal with calcite emplacement. The "B" showing and trenches exposed by Everest Minerals occur within these porphyritic andesites. The second unit (Unit 2) consists of augite porphyritic green epidotic and chloritic basaltic flows, tuffs and lapilli tuffs, which have undergone greenschist-facies metamorphism. An age relationship was established through identification of rare lithic fragments of Unit 1 feldspar-porphyritic andesites within the basalts. Unit 3 consists of fine bedded shales, mudstones and siltstones, locally calcareous. Unit 4 consists of grey limestone, locally as broad units, and commonly hosting late-stage calcite vein stockwork zones.

Year-2003 mapping indicates that Unit 2 basalts underlie southern and southwestern portions of the Northstar project area, separated from Unit 1 andesites to the northeast by a north-northwest extending contact (Maps 1 and 2, 2003 Progress Report). A small limestone unit occurs along the contact south of the Discovery Cut. Northwestern portions of this project area, including the Main Zone area, are underlain by a complex sequence of east-northeast – west-southwest-trending intercalated, largely narrow, members of Unit 1 andesites, Unit 2 basalts and Unit 3 fine clastic sediments, locally calcareous. A fairly broad member of veined Unit 4 limestone extending conformably to this sequence marks the upper (northwest) boundary of the finely intercalated portion, although broader andesitic, basaltic and sedimentary units occur along a similar orientation farther to the northwest. The North showing occurs within Unit 1 andesites, along and to the north of a conformable fault contact separating these from Unit 2 basalts and minor Unit 3 sediments to the south-east.

Stratigraphic interpretation from year-2004 diamond drilling suggests the small limestone unit just south of the Discovery Cut may be flat-lying to very gently north-dipping, in basal fault contact with underlying Unit 2 basaltic flows and lapilli tuffs.

Farther to the northwest, beyond the property boundary, northeast-southwest trending Unit 2 basalts are intercalated with members of Unit 3 fine clastic sediments up to 75 metres in width. Much of the sediments and portions of the volcanics have undergone strong carbonate alteration and silicification.

South of the gridded area, an east-northeast – west-southwest trending lens of weakly quartz – feldspar porphyritic granite was identified (Unit 7 on Map 1). No occurrences of similar lithology are mentioned in past literature; descriptions in past reports suggest it resembles the Early Jurassic Hogem Batholith most closely.

Dean (1973) indicated that areas just north of Kaza Lake southwest of the project area are underlain by upper Triassic Dewar Formation sediments and tuffs; however, this area was not visited during the 2003 season.

5.2.2 Structural Geology

Detailed geological mapping in 2003 identified a pervasive structural fabric, manifested as small shear zones, minor faults and a widespread northwest – southeast oriented foliation with variable dips ranging from steeply southwest to steeply northeast dipping. Joint planes are commonly parallel to this. This fabric is dominant in southern and eastern areas, including the "B" showing area, where mineralization is controlled by it. The inferred major contact and most stream drainages also parallel it. However, in northeastern areas, underlain by feldspar porphyritic andesite, a more pronounced north-northwest-south-southeast trending fabric predominates. At Trench T-N-2 and a bornite occurrence to the north, chalcocite – bornite veins (see Section 7: Mineralization) are oriented roughly north-south, dipping steeply, variably to the west or east. This suggests an approximately north-south oriented dilational corridor open to the north and potentially extending somewhat south of the Discovery Cut.

Bedding within the limestone unit along the northwest – southeast trending andesite - basalt contact is oriented at 300°, dipping at -40° to the northeast.

To the northwest, foliation generally parallels the finely intercalated northeast – southwest trending stratigraphy. The Main showing occurs along a fault contact oriented at 55°, dipping steeply to the southeast, between Unit 1 andesites to the southeast and Unit 3 fine bedded siltstone to mudstone to the northwest. To the northwest, the North Showing occurs within porphyritic andesite along the northwest side of a fault of similar orientation, separating the andesites from basalts to the southeast. Both major structural fabrics occur within intercalated basalts and sediments in the area of carbonate alteration further northwest.

Interpretation of year-2003 mapping results indicates the boundary between northwest-southeast trending stratigraphy and the northeast-southwest trending intercalated assemblage to the northwest occurs north of L 9 + 00N. However, no fault contacts or fold axis were observed, and are omitted from interpretations to date.

Year-2004 drilling results suggest a flat-lying fault controlled contact between overlying limestone and underlying Unit 2 basalts, the latter including pyroclastic and volcanic breccia members. The contact itself is strongly sheared, showing intense ductile deformation with a "swirling" texture and some fine intercalation of limestone with basalt. Limestone in drill core directly above the contact also shows strong ductile deformation.

6.0 Deposit Types

Copper – silver mineralization within the Northstar project area occurs as fracture-filling and shear-hosted massive chalcocite and/ or bornite veins, and as bornite rich quartz and carbonate vein stockwork zones. Disseminated and irregularly veined bornite was identified in core from year-1968 drilling near the "B" showing. The model used to delineate year-2004 drill targets and determine further exploration is that of a broad dilational corridor representing an extensional tectonic environment, providing a fracture and breccia-style open-space style environment. This zone of "structural preparation" was subject to epigenetic emplacement of low-sulphidation mineralization in the form of vein, shear zone and fracture-filling massive chalcocite and/or bornite mineralization.

The mineralogical characteristics and deposit setting of the Northstar project area are most similar to the Sustut copper deposit roughly 70 kilometres to the northwest. Harper (1977) theorized that epigenetic mineralization originated through metasomatic mobilization of metal ions within the thick sequence of weakly metamorphosed Takla Group stratigraphy, largely subaqueous metavolcanics (Harper, 1977). Aqueous fluids permeating through highly altered portions scavenge metal ions, and transport these to a favourable depositional environment (Harper, 1977), likely within zones of structural preparation or reactive lithological units. Harper suggests that pyrite, precipitated earlier, may have acted as the catalyst of subsequent copper mineralization. This deposit setting is plausible for Northstar mineralization as well, due to its similar chemical composition and very similar stratigraphic setting.

Mineralization at Sustut occurs as sheet-like zones up to 250 feet thick of very fine disseminations of chalcocite, bornite and native copper with minor vein-style mineralization (Harper, 1977). Thus, in addition to vein and stockwork zones, this deposit model also constitutes an exploration target at the Northstar project area, realized in the 2004 drilling.

7.0 Mineralization

The most prospective mineralized zones at the Northstar project area identified prior to the 2004 drilling program occur within the "B" showing area and along the interpreted north-south dilational corridor hosting the Discovery Cut and Trench T-N-2, both located on the MARS claim. The Main and North showings have low potential to host significant mineralized zones.

7. 1 "B" Showing

The B showing consists of several zones of vein and shear-hosted chalcocite and minor bornite hosted by Unit 1 feldspar porphyritic andesite. Trench T-N-1 exposed massive

chalcocite veins with azurite and malachite staining within east-southeast striking, steeply southwest dipping shear zones. Massive bornite and minor malachite and azurite also occur as amygdules within vesicular andesite, where it has replaced secondary calcite veins and vesicular infilling. Past sampling returned values to 2.1% copper and 4.6 g/tonne silver across 23.0 metres. Host andesites display fairly strong hematite alteration; epidote occurs as veins and as amygdules somewhat outbound from the zone.

Drilling in 1968 identified a copper horizon at depth, interpreted as striking north-south and dipping 50° to the west (Church and Tait, 1998). Drill records are unavailable; however White has described mineralization as disseminations and irregular veinlets of bornite within brecciated andesite porphyry (White, 1968). Reported drill intercepts range from 1.14% copper across 40 feet (12.2 metres) to 1.68% copper across 48 feet (14.6 metres), with an intercept grading 1.97% copper across 16 feet (4.9 metres), open at depth, terminated due to hole abandonment. These do not necessarily represent true widths. However, reinterpretation in 2003 of the reported data suggests an east-southeast striking zone, dipping to the southwest, conformable to orientation of surface shear-hosted mineralization.

7.2 Dilational Corridor

Several vein-style massive chalcocite showings, with azurite and malachite staining, hosted by Unit 1 porphyritic andesite, occur within the MARS claim to the south and northeast of the B showing. These include the Discovery Trench, where a 1.0 metre channel sample of massive bornite returned 51.68% copper and 279 g/tonne silver, and a 5.0-metre chip sample returned 7.9% copper, 55.2 g/tonne silver and 266 ppb gold; and Trench T-N-2, where channel sampling returned 7.9% copper and 55.2 g/tonne silver across 7.0 metres. At both locations, almost all mineralization is confined to massive chalcocite veins, ranging from sub-centimetre to 0.75 metres in width. Vein orientations are variable at the Discovery Cut, however at Trench T-N-2, 150 metres to the northeast, north-south to north-northwest – south-southeast striking, steeply east-dipping vein orientations predominate.

Roughly 125 metres north of T-N-2 early excavations of feldspar porphyritic andesite revealed bornite with malachite staining within calcite and drusy quartz vein stockwork zones. This area was not trenched in 1997; however a 2.3 metre chip sample obtained in 2003 returned 4.69% copper and 33.2 g/tonne silver. The setting is distinct as mineralization occurs as bornite, which has a higher sulphide content than chalcocite, within quartz or calcite veins, rather than as massive sulphide veins. Host rocks display fairly strong hematite alteration.

Year-1997 Induced Polarization surveying revealed a north-south trending chargeability anomaly underlying these showings. This suggests these exposures represent parts of a dilational corridor up to 100 metres wide, open to the north and for a limited distance to the south. Early extensional tectonics resulted in formation of abundant open space-bearing fracture and breccia zones, subsequently infilled by massive chalcocite veins,

grading northwards to vein-hosted bornite. Year-1997 soil sampling along strike at L 9+00N, 200 metres to the north, returned anomalous copper values to 388 ppm, although no anomalous values were returned from L 8+00N.

7.3 Fracture Filling and Disseminated Copper (from year-2004 drilling)

The 2004 drilling program resulted in long intercepts of disseminated and fracture-filling copper sulphide mineralizaton from Holes NS-04-02, drilled at an azimuth of 110° and dip of -45° into the dilational corridor, and from NS-04-04, drilled from the same set-up and azimuth, but at a dip of -65°. The intercepts include fairly distinct predominantly monomineralogic zones of chalcocite, bornite, chalcopyrite, and zones having combinations thereof. No distinct progression towards more sulphide-rich or iron-rich end members occurs. Mineralization extends primarily through Unit 1 feldspar porphyritic andesites, extends through the underlying flat-lying limestone unit, and terminates abruptly at the basal Unit 2 basalts, in fault contact with the overlying limestone.

Within the Unit 1 andesite, mineralization is strongest within breccia zones, including tuff breccia, and other areas of strong permeability, and weakest in massive porphyritic flow units. Permeability appears to be the strongest controlling factor for mineral emplacement. Replacement-style mineralization is common, particularly within vesicles and of calcite stringers. Alteration is quite weak, occurring as weak chloritization, silicification and clay-alteration. "Typical" hydrothermal alteration is absent; no barren sulphide zones were intersected.

Hole NS-04-02 returned a weighted average value of 0.553% copper and 1.65 g/t silver across 453.7 feet (138.3m) from 167.5 - 621.2 feet. Hole NS-04-04 returned an interval of 0.51% copper across 286.2 feet (87.2m) from 188.1 – 474.3 feet (Table 3). These include high-grade sub-intervals of 2.37% copper across 14.6 feet (4.4m) in Hole NS-04-02, and 1.08% copper across 34.5' (10.5m) from Hole NS-04-04. The limestone unit hosts some of the best intercepts, including 0.607% copper across 45.7 feet (13.93m) from Hole NS-04-02; and 2.00% copper across 19.0 feet (5.8m). Structural interpretation suggests a flat-lying fault contact (thrust fault?) separating the limestone and overlying Unit 1 andesites; this fault returned an interval of 1.763% copper across 20.8 feet (6.34m) from Hole NS-04-02. Interpretation to date also suggests steeply west-dipping zones of particular sulphide assemblages, such as chalcopyrite or chalcocite, terminating abruptly at the andesite – limestone fault contact.

7.1.4 Main Showing

The Main Showing, located 600 metres northwest of trench T-N-1 of the B Showing, occurs along a fault contact striking at 55°, dipping at 85° to the southeast, separating Unit 3 thin-bedded mudstone and shale to the north from Unit 1 hematite-altered feldspar

porphyritic andesite to the south (Map 1a). Mineralization occurs within a strongly developed shear zone, largely within the sediments, and consists of bornite and lesser chalcocite, with strongly developed malachite staining. Minor sulphide veining extends along joints and small shears within the sediments. Past channel sampling returned a value of 2.65% copper and 6.2 g/tonne silver across 1.8 metres.

Although this zone was tested by several diamond drill holes, no records are available, suggesting no significant intercepts were encountered. This is in contrast with favourable results available from early drilling of the "B" showing. Surface investigation also suggests the Main Showing has low potential to host mineralized zones of significant size.

7.1.5 North Showing

The North Showing, located from 300 to 450 metres northwest of the Main Showing, consists of vein and replacement-style chalcocite with minor malachite within Unit 1 vesicular feldspar porphyritic andesite. This occurs along the north flank of a northeast – southwest trending fault, with Unit 2 augite porphyritic basalts to the southeast. Small members of Unit 3 shale and mudstone occur along the fault trace. To the northwest of the fault, chalcocite with minor copper oxides and chrysocolla occur within narrow carbonate and quartz-carbonate veins up to 0.20 metres in thickness. Past grab sampling, likely from the area near the fault, returned values to 1.57% copper, 12.5 g/tonne silver; year-2003 sampling of vein material returned values to 0.76% copper and 2.6 g/tonne gold. However, vein density is too low to provide potential ore grade material; the chalcocite zone near the fault also appears to be of limited extent.

7.1.6. Other Mineralization

A previously exposed, unnamed zone located midway between the Main Showing and trench T-N-1 of the "B" showing consists of minor fracture-filling bornite-chalcocite veining within hematite-altered feldspar porphyritic andesite. It also hosts banded quartz-carbonate veins with malachite staining, commonly within orange ankerite-altered zones. Composite grab sampling returned values to 1.59% copper and 8.1 g/tonne silver; chip sampling of an ankeritic zone returned 1255 ppm copper and 0.7 g/tonne silver. However, economic potential of this occurrence is low.

Ankeritic and carbonate-altered veins increase in abundance to the northwest.

8.0 Work Program

In 2004, Northern Hemisphere constructed a large base camp with generator power, capable of housing 16 people, along the south shore of Kaza Lake, equidistant from the two project areas. The complex includes fully electrified core shack facilities and permanent core racks. Road access was also improved through construction of temporary bridges across two crossings of Kaza Creek, lifting of the Lion Creek Bridge to comply with 100-year flood levels, and installation of numerous culverts south of the camp. The road was also upgraded somewhat, although 4WD vehicles are still recommended.

The following sections focus on the diamond drilling and surface programs on the Northstar and Kaza project areas. All sampling procedures were conducted by All-Terrane Mineral Exploration Services, in contract to Northern Hemisphere. Sampling parameters, including drill core sampling, were rigorous, thus a high degree of reliability is expected. "Check" and "repeat" samples of drill core proved a high reliability of repetition of results; "Metallic Screen Fire Analysis" techniques indicate that a coarse gold effect at the Kaza project area is unlikely.

8.1 Northstar Project area

Five NQ-diameter holes for a total of 3,162' (963.7m) were drilled at the Northstar Project area. Two of these, Holes NS-04-02 and NS-04-04, were drilled at the same 110° bearing from the same set-up, and intersected fracture controlled and disseminated copper sulphide mineralization, likely occurring along steeply north-dipping zones within feldspar porphyritic andesite and along a basal limestone unit. A third, Hole NS-04-05, intersected chalcocite vein mineralization more typical of surface veining in the Discovery Cut, the target for this hole. Hole NS-04-01, targeting the "B Zone, and Hole NS-04-03, targeting the Dilational Corridor farther north, failed to return notable mineralized intercepts. A summary of drill results is shown in Table 3.

Systematic soil geochemical sampling was also done across eastern, northern and western extensions of the Northstar grid, with 12 samples taken from the MARS claim itself. The largest anomaly was returned from the eastern extension, outside of the MARS claim, where copper values to 1009 ppm were returned, expanding upon an anomalous area delineated in 2003 (Map 1b). This anomaly, in an area of fairly well drained and slightly rolling terrain, close to small limestone exposures, represents another target area for follow-up exploration.

A second anomalous area occurs just southeast of the Main Skarn and just west of the MARS claim boundary. A value of 5680 ppm copper occurs 100m upslope of two other samples returning 476 and 542 ppm copper respectively (Map 1b). This occurs roughly 150m south of a boulder train originating from the Main Skarn area and was originally thought to be caused by this. However, although float train boulders found along Base Line 0 + 00 returned values to 4.56% copper, soil sampling immediately downslope did

not return anomalous values. The terrain near the float train is steep, thus the dispersion train is unlikely to extend as far outbound as the anomalous values. Therefore it is likely these represent a separate source.

An area of somewhat elevated copper values to 207 ppm occurs along the northern projected extension of the Dilational Corridor, particularly along L 12 + 00N just north of the MARS claim boundary. Two samples returned anomalous gold values of 20 and 70 ppb respectively. The bornite vein occurrence on the MARS claim sampled in 2003 is the only location along the Dilational Corridor to host elevated gold values suggesting a gradational zonation. These elevated copper-gold values may indicate a further extension of this.

8.3 Personnel and Surface Production

The following technical personnel were involved with the 2004 exploration program:

Carl Schulze,	BSc, PGeo: Project Geologist and Qualified Person
Ronald McIntyre,	BSc, PGeo: Geologist
Darwin Wreggitt,	BSc: Chief Technician
Rowe Dennis,	BSc: Field Technician
Craig Tervit:	Field Technician
Emily Walton:	Field Technician

All of the above were employed by All-Terrane Mineral Exploration Services in contract to Northern Hemisphere Development Corporation.

Diamond drilling, road refurbishment, and cooking services were done by or subcontracted to Standard Drilling Ltd. of Wells, B.C. Camp construction services were supplied by Boychuk Construction Ltd or by Standard Drilling.

A total of 17 rock, 1 silt and 223 soil samples were taken from the Northstar project area in 2004. At the Kaza project area, 28 rock and 15 soil samples were taken, and at the Henry Lee project area, 29 rock, 130 soil and 23 silt samples were taken.

9.0 Year-2004 Diamond Drilling Program

At the Northstar project area, five NQ-diameter holes for a total of 3,162' (963.7m) were drilled. Two of these, Holes NS-04-02 and NS-04-04, were drilled at the same 110° bearing from the same set-up, and intersected fracture controlled and disseminated copper sulphide mineralization, likely occurring along steeply north-dipping zones within feldspar porphyritic andesite and along a basal limestone unit. A third, Hole NS-04-05, intersected chalcocite vein mineralization more typical of surface veining in the Discovery Cut, the target for this hole. Hole NS-04-01, targeting the "B Zone, and Hole NS-04-03, targeting the Dilational Corridor farther north, failed to return notable mineralized intercepts. A summary of drill results is shown in Table 3.

A discussion of mineralized intercepts is provided in Section 7.2.2.1, "Mineralized Zones Encountered in Year-2004 Drilling", and will not be repeated in detail here. The large intercepts in Holes NS-04-02 and NS-04-04 likely represent steeply-dipping mineralized zones, although true extent and orientation of these are unknown. Currently, Hole NS-04-02 likely intersected the zones at an angle of 55°, resulting in a true width of 82% of apparent width, or 372 feet (114m). Hole NS-04-04 likely intersected the zone at a 35° angle, resulting in a true width of 57% of apparent width, or 163 feet (49.7m). No true width estimates are available for Hole NS-04-05.

The program at the Kaza project area consisted of five NQ-sized diamond drill holes for 3,718 feet (1,133.2m). Holes KZ-04-01, KZ-04-02 and KZ-04-04, extending progressively north-eastwards, tested the east-southeast trending Hornblendite Zone. Hole KZ-04-03 tested the down-dip extension of the Main Zone south of the Hornblendite Zone, and Hole KZ-04-05 tested the Main Trend south of Hole KZ-04-03. A summary of drill results is shown in Table 4.

The drilling results are summarized in Section 8.2, "Kaza Project area" and will not be repeated here. Drilling indicated the majority of zones are spatially related to sub-vertical felsic dykes; thus intercepts are interpreted at about 45o, with true widths of 71% of apparent widths. Some flattening of drill holes with depth suggests intercepts somewhat more representative of true widths.
All drill core was placed in 5-foot core boxes, with lids nailed on, and delivered to the core logging facilities. Core boxes were photographed, box intervals were recorded, and recoveries calculated, with 100% recovery assigned to a reasonable maximum interval measured. All records were carefully tabulated and included with the detailed drilling logs; summary logs of major units were also recorded for immediate communication to Northern Hemisphere. Detailed logs include detailed and abundant structural measurements, as well as lithological, alteration and mineralogical descriptions.

Table 3: Mineralized Intervals, Northstar Project Area

Hole No.	Easting (Grid)	Northing (Grid)	Azimuth (Degrees)	Dip	Interval (feet)		Length (ft)	Length (m)	Copper (%)	Silver g/t
NS-04-01	2 + 35 E	4 + 90 N	45	-45	145.3 – 155.9		10.6	3.2	0.09%	<0.2 g/t
					218.9 – 236.0		17.1	5.2	0.08%	0.4 g/t
NS-04-02	2 + 30 E	5 + 10 N	110	-45	167.5 – 621.2		453.7	138.3	0.55%	1.6 g/t
					Includes:	189.5 – 274.5	85	25.9	1.17%	4.2 g/t
						211.0 – 226.0	15	4.6	2.13%	7.8 g/t
						247.5 – 262.1	14.6	4.4	2.37%	8.2 g/t
					Includes:	292.8 – 340.0	47.2	14.4	0.60%	2.5 g/t
					Includes:	418.4 – 505.4	87	26.5	0.52%	1.1 g/t
					Includes:	550.0 – 621.2	71.2	21.7	0.91%	2.0 g/t
NS-04-03	4 + 10 E	6 + 00 N	290	-45	48.6 – 85.6		37	11.3	0.10%	0.2 g/t
NS-04-04	2 + 30 E	5 + 10 N	110	-65	188.1 – 474.3		286.2	87.2	0.51%	1.2 g/t
					Includes:	208.4 – 244.5	36.2	11.0	0.42%	0.8/g/t
					Includes:	267.0 – 293.6	26.6	8.1	0.27%	0.5 g/t
					Includes:	321.8 – 474.3	152.5	46.5	0.78%	1.9 g/t
						351.8 – 386.2	34.4	10.5	1.08%	3.3 g/t
						410.5 – 474.3	63.8	19.4	1.14%	2.4 g/t
NS-04-05	2 + 90 E	5 + 30 N	180	-45	161.8 – 239.6		77.8	23.7	0.69%	2.4 g/t
					Includes:	174.0 – 214.1	40.1	12.2	1.30%	4.6 g/t

10.0 Sampling Method and Approach

10.1 Surface sampling

All surface geochemical sampling was subject to rigorous parameters, including detailed descriptions of each sample. Rock samples were obtained using a 22-oz Estwing rock hammer, and located in the field using a non-differential Global Positioning System (GPS) instrument. Samples were placed in plastic bags designed specifically for rock sampling. A tag with the unique sample number, supplied by Eco Tech Laboratories, was placed in the bag; the sample number was written on both outsides of the bag in "Magic Marker". The sample number was also written on Tyvex Tags using grease pencils and attached to the sample location in the field.

Samples were recorded as to location (UTM - NAD 27 Canada) sample type (grab, composite grab, chip, etc), width of chip samples, exposure type (outcrop, rubblecrop, float, etc.), formation, lithology, modifier (for textural or structural descriptions), colour, degrees of carbonate presence and silicification, other alteration, economic mineralization including estimated amounts, date, sampler and comments. Minimum weight of rock samples was 0.25 kg, although most samples, particularly chip samples, were much heavier, commonly exceeding 1.0 kg. At zones of continuous chip sampling, samples intervals were broken at contacts of distinct mineralogy or lithology. Samples did not exceed 3.0 metres in length.

Rock sampling was done in an effort to accurately represent tenor of a mineralized zone, and involved collection of material as evenly as possible along the entire interval. Chip samples, which are preferred, were taken at sites of continuous outcrop; composite grab and grab samples were taken in areas of rubblecrop, felsenmeer or float. Chip samples, measured using measuring tape, were taken from trenches, unless slumping has compromised original outcrop exposure. Trench samples were taken to test particular mineral horizons or rock types for specific mineralogical characteristics.

Soil samples were taken at 50-metre station spacing across the year-2003 grids, including base and tie lines. Sample numbers supplied by Eco Tech Laboratories were written in grease pencil on a Tyvex tag and tied onto the station picket. Samples were placed in kraft bags, with a Tyvex tag supplied by Eco Tech showing the unique sample number placed in the bag, and the sample number written in "Magic Marker" on both sides of the bag. The bags were then dried as much as possible before shipping. Samples were preferably taken of B-horizon material, although sampling of A or C horizon soil was done where B-horizon material was unavailable. This was preferable to omitting the sample. Minimum original sample weight was 0.25 kg, although in the case of several A-horizon samples, much of this was comprised of organic material, and insufficient material remained for gold analysis.

All samples were described as to location (grid station, UTM coordinates if taken along traverse), horizon, depth of sample, slope angle, colour, percent coarse fragments, surrounding vegetation, surficial lithology, fragment lithology, percent organics, date, sampler and comments. If a particular parameter could not be determined, particularly fragment lithology, no record was made.

Variability in results of soil sampling may be caused by depth of overburden, slope angle, and outcrop exposure, with lower values expected in flat areas with thick overburden. Year-2003 results indicate that A-horizon samples tend to be enriched in copper. Gold ions are less mobile also; thus samples with high copper-gold ratios may indicate transport distance rather than low bedrock gold values.

Silt samples were taken from several locations at a particular site to improve representability, focusing on fine material. Samples were placed in kraft bags with a sample tag showing unique sample number, labeled and marked in the field in the same manner as soil samples. Mossmat samples were taken if exposed silt was unavailable. Sample locations in UTM NAD-27 format were recorded in the field using a non-differential GPS and described as to percent fines, colour, stream grade and width, date, sampler and comments. All samples were taken in order to provide accurate representation of mineralization present.

Field data was entered into Microsoft Excel spreadsheet format, and later matched with analytical results. This process was continually re-checked to ensure correct results are associated with descriptions.

The author cannot verify the adequacy and quality of historical sampling, sample preparation, security and analytical procedures, for work performed before 2002. No descriptions were included in any past records, and the author was not involved in past exploration. Sampling techniques, preparation, analytical procedures and security were included in the year 2002 report by Varas and Williams.

10.2 Drill Core Sampling

All drill intervals sampled were split using a manual core splitter, with one half placed in the core box as originally oriented and stored in good-quality core racks at the camp site. No unsplit portions were allowed to be shipped, guaranteeing availability of core for re-sampling, if necessary. Detailed and accurate records of sample lengths were retained, as were records of box intervals and core recoveries. All sample intervals were laid out prior to sampling, with sample numbers marked with small wooden blocks, and sample intervals carefully documented. A tag supplied by Eco Tech for each sample taken was stapled into the core tray within the sample interval.

At the Northstar project area, all mineralized intervals were sampled, including all portions of the large fracture-controlled intercepts. All five holes at the Kaza project area were split from top to bottom. Sample intervals were chosen on the basis of changes in

lithology, alteration or mineralization, rather than on systematic regular intervals. Drilling and core sampling was recorded in feet and tenths of feet.

11.0 Sample Preparation, Analysis and Security

11.1 Surface Samples

All rock samples were placed in thick plastic industry standard sample bags, sealed with thick plastic serrated "Zap Straps" and sent in similarly sealed rice bags to Eco Tech Laboratories of Kamloops, B.C., a certified analytical laboratory. Sealed rice bags were personally handed to the courier, a subsidiary of Greyhound Bus Lines, by the qualified person, and were delivered by the courier directly to Eco Tech.

All rock and samples underwent crushing so that a minimum of 65% of the sample size was passed through a -10 mesh (1.7mm) screen. The resulting material was then thoroughly mixed, and a 250-gram portion of this underwent pulverization ensuring that a minimum of 90% of material passed through a -140 mesh (0.11 mm) screen. From this, a 50-gram sample underwent analysis by fire assay with atomic absorption finish. Soil and silt sampling underwent similar techniques, with a 30-gram sample undergoing fire assay.

All samples, including soil and silt samples, were also analyzed by 28-element ICP to test for abundances of Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sn, Sr, Ti, U, V, W, Y and Zn. In this case, a 0.5g sample within 10 ml of solution was submitted. Detection limits for gold for soil, silt and some surface rock samples was 0.005 ppm (1 ppm = 1 g/t); for the remaining rock and all core samples, fire assay techniques resulted in a detection limit of 0.03 g/t, with values given in both g/t and oz/t. "Overlimit" values were automatically provided for gold, silver and copper values.

Eco Tech provides comprehensive in-house quality-control for all sampling, including core sampling, using numerous blanks to test for any potential contamination, confirming that no detectable contamination has occurred. Every 35th sample was resplit and reanalyzed; at least one resplit was done for batches of less than 35 samples. Also, repeat analysis was done for every 10th sample, or at least one for batches of less than 10 samples. Eco Tech also conducted repeated in-house standard sampling for all 28 elements involved in ICP analysis and gold to determine accuracy of analysis. Standards were emplaced into the sample stream at a minimum frequency of every 40th delivered sample; or at least one per batch of less than 40 samples.

Eco Tech also performed repeat analysis of samples yielding high element values, particularly gold. This is particularly important, whereby duplicate analysis may determine potential for the "coarse gold effect".

All pulps and rejects were instructed to be stored for up to one year.

11.2 Drill Core Sampling

All samples were placed in industry-standard plastic rock sample bags, with a sample tag supplied by Eco Tech placed in the bag, which was then tied using a "Zap Strap" cable tie. Samples were shipped in rice bags, in the same manner as surface samples. The core trays, including the groove underlying the blade, were thoroughly cleaned after each sample. The splitting area, including tables and floors, was swept clean at the end of each day.

Detailed records of drill hole locations, including elevation, were made using a non-differential GPS, and recorded in UTM NAD 27 format. These include bearings and dips of holes. Samples were analyzed for the same 28 elements as surface samples, and rock samples were analyzed by 50-gram fire assay with a detection limit of 0.03 g/t. Also, select samples of strongly mineralized material throughout the drilling program were subjected to metallic screen fire assay to test for potential coarse gold effect.

Results were tabulated into "Excel" spreadsheet format, with weighted averages calculated per sample interval for copper, gold and silver, and overall weighted averages calculated for each mineralized interval. Data was rigorously checked for accuracy of transcription.

12.0 Data Verification

Data verification for surface sampling was largely completed in 2003. Preliminary analysis of resplit and repeat data supplied by Eco Tech did not disclose any significant variation from original sample results. "Standard" analysis also showed good repeatability. There appears no reason to question accuracy of results supplied by Eco Tech. Also, no evidence of significant coarse gold effect was noted from Kaza project area results.

12.1 Northstar Project area

At the Northstar project area, due diligence sampling of year-1997 sample results at trench T-N-1 of the "B" showing, the Main Showing and the Discovery Cut was done by Varas and Williams in 2002, indicating approximate repeatability of results. Due diligence style sampling was done in 2003 at the North Showing, indicating earlier results are reproducible.

Two soil anomalies delineated in 1997 at the southwest and southeast extremes of the pre-existing grid were re-sampled in 2003. Due diligence sampling was done at 30-metre station spacing along Lines 0+00 and 1+00N from BL 0+00 to 0 + 90E, and from 9+30 to 9+90E. Year 2003 results approximate year-1997 results.

Results of re-sampling of core samples showed a very high degree of repeatability, indicating reliability of fire assay and 28-element ICP techniques. Re-split samples showed somewhat higher variability of ICP results, although repetition was still good. "Standard" analysis indicated minimal to no contamination and high accuracy of analysis.

13.0 Interpretation and Conclusion

Note: Please see Northern Hemisphere's technical report, "Progress Report on the Year-2003 Surface Exploration Program on the Kaza-Northstar Project" for discussions and conclusions from the 2003 surface program. Very briefly, the report concluded the presence of a north-south trending dilational corridor hosting the bulk of chalcopyrite +/- bornite veining, including the Discovery Cut, in the Northstar project area. It also reported the identification of the east-southeast trending Hornblendite Zone, hosting abundant copper-silver-gold mineralization in the Kaza project area, as well as the "North Mag" and "Far East" occurrences.

13.1 Interpretation

Diamond drilling of Holes NS-04-02 and NS-04-04 revealed a broad zone of fracture controlled and disseminated copper sulphide mineralization with little associated alteration or barren sulphides. Host lithologies consist primarily of Unit 1 feldspar porphyritic andesite, including brecciated and tuffaceous units, and an underlying crystalline limestone unit. Within the andesites, sulphides are most abundant in fractured and brecciated units, showing a direct affinity for permeable horizons. Mineralized grades in limestone are equivalent to or exceed those in andesite.

The broad intervals consist of numerous sub-intervals of specific sulphide mineralogy, including predominantly chalcocite, predominantly bornite and predominantly chalcopyrite, with some zones of mixed mineralogy, and with large ranges in grade. Cross section plotting suggests these zones dip very steeply to the west, but do not extend into the basal limestone unit. These also do not extend to surface, although disseminated and fracture controlled bornite and chalcocite were reported from 1960s drilling of the "B-Zone.

Preliminary interpretations suggest the limestone unit is flat lying, outcropping south of the Discovery Cut along a roadcut into a steep hillside. Strongly sheared and mineralized zones in core suggest the contact between limestone and overlying andesites is a local uncomformity, although permeable to fluid movement. A second fault contact separates the limestone from underlying Unit 2 chloritic augite-porphyritic basalts, which are unmineralized. This indicates that this contact is impermeable to fluid movement and/or the underlying basalts are unreactive.

The mineralized interval has a strong induced polarization high chargeability signature, with a weak to moderate coincident resistivity high signature. This signature, which also doesn't extend to surface, is strongly suggestive of weakly silicified and disseminated to fracture-controlled mineralization, very much as encountered; Induced Polarization surveying appears to be an excellent tool for this type of target selection. This signature extends, at varying depths, at least 100m to the south and 200 metres to the north, suggesting a north-south trending zone along the western margin of the dilational corridor.

Numerous shorter higher-grade intercepts were returned from 1960s-era drilling in the B-Showing area just northwest of Northern Hemisphere's two large intercepts. These may represent higher grade sections of larger, lower grade intercepts of similar disseminated and fracture-controlled mineralization encountered in 2004. Also, DDH 7 drilled in 1967 further north into the Dilational Corridor returned similar grades (60 feet of 0.68% copper, ending in 0.58% copper, Varas and Williams) to the 2004 intercepts, suggesting a similar disseminated mineralized fabric.

The style and mineralogy of disseminated and fracture-controlled mineralization is similar to the larger chalcocite veins; both have weak to no associated alteration, indicating low emplacement temperatures. These settings are part of the same mineralized system, likely a "Sustut Copper"-style low temperature aqueous fluid system (Harper) (see Section 6.1). The larger chalcocite veins may represent metal deposition and/or replacement in larger open pore spaces, such as veins and fissures. Mineralization was very late, replacing late calcite stringers and amygdules.

13.2 Conclusions

The 2004 diamond drilling program at the Northstar project area identified disseminated and fracture filling copper mineralization within Unit 1 feldspar porphyritic andesite consisting of north-south trending, steeply west dipping distinct zones of chalcocite, bornite or chalcopyrite, or combinations of these. These geochemically distinct zones terminate at the fault-controlled contact of the andesite with an underlying flat-lying to gently north-dipping limestone unit, although equal to somewhat higher grade copper mineralization extends downwards into the limestone. Mineralization terminates abruptly at the basal limestone fault contact with underlying Unit 2 chloritic basalts and pyroclastics.

A potential deposit setting consisting of sub-vertical north-south striking disseminated Sustut copper-type low temperature mineralization, terminated along the lower limestone contact, may be used as a working model for exploration. This is enhanced by strong coincident Induced Polarization chargeability anomalies extending roughly north-south.

A strong copper soil anomaly with coincident weakly anomalous silver values was identified towards Ominicetla Creek within the eastern flagged grid extension. This

represents a viable exploration target for similar mineralization to that encountered in Holes NS-04-02 and NS-04-04, as this anomaly has a similar geochemical signature.

14.0 Recommendations

14.1 Recommendations

At the Northstar project area a ten-hole, 2,300-metre (7,545-foot) drill program is recommended to test for continuity of mineralization intersected in Holes NS-04-02 and NS-04-04 during the 2004 field program. This program is designed to test for mineralization near the discovery holes first, and then progress outwards along the interpreted zone extensions. If similar mineralization is not encountered in the first few holes, the program should be re-evaluated.

Drill hole locations and specifications are listed in Table 4. Expenditures for the field drilling program, including 10% contingency, are estimated at roughly CDN$433,000.

Further surface exploration, including detailed prospecting and geochemical sampling, is recommended for the anomalies outlined at the Northstar project area. The large anomaly in the eastern extension warrants particular attention. Surface exposure is likely limited; exploration is recommended to include chain saw line cutting and Induced Polarization chargeability and resistivity surveying along 600m sections of Lines 1 + 00N through 5 + 00N. If Induced Polarization surveying goes ahead, completion of the remaining four lines originally planned for 2003 is recommended.

Total proposed expenses for surface exploration across the entire Kaza-Northstar property, including 10% contingency, stand at $59,939; expenses for the drilling program stand at $430,527.

14.2 Recommended Budgets

14.2.1 Recommended Budget, Surface Exploration Program

Pre-season prep work:	$ 1,920
Geologist: 26 days @ $480/day:	$12,480
Assistant: 26 days @ $250/day:	$ 6,500
Rock sampling: 120 samples @ $30 ea:	$ 3,600
Soil/silt sampling: 320 samples @ $27 ea:	$ 8,640
Geophysical surveying: 6 days @ $1,400 ea (incl. geological crew):	$ 8,400
Mobe/demob of geophysical crew (excl. expenses):	$ 4,000
Groceries @ $35/manday:	$ 2,310
Permitting:	$ 480
Accommodations:	$ 400
Shipping:	$ 330
Truck rental: 26 days @ $70/day:	$ 1,820
Radio rental: 26 days @ $20/day:	$ 520
Fuel (travel):	$ 440
Travel expenses:	$ 150
Equipment (including expendables):	$ 400
Camp fuel:	$ 2,000
Minor supplies:	$ 100
Sub-total:	**$54,490**
10% contingency:	$ 5,449
Total:	**$59,939**

Assumes:
1. Surface program during or contiguous with drilling program; no additional mobe-demob
2. Budget for cook is included in drilling budget or no cook is present
3. Partial camp fuel in case program not completely coincident with drilling program
4. Two personnel sufficient; two more for IP surveying (includes mobe-demob expenses)
5. Line cutting to be done by existing or local crew (of limited extent)

14.2.2 Recommended Budget, Northstar Diamond Drilling Program

Personnel:	Geologist @ $480/day:	$ 46,160
	Assistant @ $250/day:	$ 16,000
	Cook @ $250/day:	$ 14,750
Drilling @ $20/foot:		$150,926
Mobe/Demob (excluding wages):		$ 12,000
Wages for travel + set-up:		$ 11,400
Site and trail preparation		$ 4,900
Bulldozer "Cat" and excavator rentals:		$ 17,600
Bentonite, drill lubricants:		$ 3,500
Drill bits, expendable parts:		$ 9,100
Tests:		$ 1,750
Drill moves:		$ 14,400
Reclamation:		$ 14,000
Permitting:		$ 1,920
Core sampling:		$ 34,600
Shipping:		$ 1,600
Groceries ($35/person-day):		$ 19,600
Accommodations:		$ 2,600
Mileage:		$ 2,712
Truck rental:		$ 4,270
Radio rental:		$ 1,170
Travel fuel:		$ 2,430
Travel expenses:		$ 825
Field equipment, including expendables:		$ 1,200
Field office supplies:		$ 800
Minor supplies:		$ 1,175
Totals:		**$391,388.00**
	10% contingency:	**$ 39,138.80**
	Total drilling budget:	**$430,526.80**

Assumes:
1. 2,300m in 10 holes
2. One set-up per hole (may do multiple holes if warranted)
3. Average of 80 feet per shift, all-in; moves = 1 shift
4. Cross-shift drilling
5. 1 geologist + 1 assistant to manage program
6. Split entire hole at 2m intervals (average)
7. Costs do not include significant additions to existing camp or road improvements
8. Summer drilling program
9. Wages for Standard Drilling of $300/day/ drill set-up contractors at $350
10. Heavy equipment rental at $800/day (10 hrs at $80/hr)
11. **Field program Costs ONLY: Excludes corporate overhead, clerical fees, etc.**

Table 4: Proposed DDH Locations, Year-2005 Drilling Program

Northstar Project Area, Kaza-Northstar Project

Northern Hemisphere Development Corp.

DDH	Easting (Grid)	Northing (Grid)	Easting* (UTM)	Northing* (UTM)	Bearing	Dip (degrees)	Depth (metres)
NS-05-01	1 + 80E	4 + 85N	671338	6215145	110o	-45	225
NS-05-02	1 + 80E	4 + 85N	671338	6215145	290o	-70	200
NS-05-03	2 + 82E	5 + 30N	671439	6215192	110o	-45	200
NS-05-04	2 + 82E	5 + 30N	671439	6215192	290o	-52	200
NS-05-05	2 + 00E	6 + 00N	671352	6215260	110o	-45	200
NS-05-06	2 + 75E	6 + 50N	671425	6215312	110o	-50	250
NS-05-07	3 + 75E	7 + 10N	671520	6215380	290o	-45	200
NS-05-08	2 + 35E	7 + 00N	671380	6215366	270o	-85	250
NS-05-09	2 + 40E	4 + 00N	671405	6215065	90o	-52	225
NS-05-10	2+ 40E	4 + 00N	671405	6215065	270o	-70	200

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Appendix 1. Certificate of Author

I, Carl M. Schulze, PGeo, hereby certify that:

1) I am a self-employed Consulting Geologist and sole proprietor of:
All-Terrane Mineral Exploration Services
35 Dawson Rd
Whitehorse, Yukon Y1A 5T6

2) I graduated with a Bachelor of Science Degree in geology from Lakehead University, Thunder Bay, Ontario, in 1984.

3) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).

4) I have worked as a geologist for a total of 20 years since my graduation from Lakehead University.

5) I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6) I am responsible for preparation of all sections of the technical report titled "Progress Report on Year-2004 Surface Exploration and Diamond Drilling Programs on the Kaza-Northstar Project, Norethern Hemisphere Development Corporation" on the entire property area comprising the Kaza-Northstar Project. I was active on-site during much of the program of roughly 125 days from May 27 to Sept 28, 2004.

7) I have not had prior involvement with the properties that are the subject of the Technical Report prior to June 2003.

8) I am not aware of any material facts or material changes with respect to the subject matter of the technical report not contained within the report, of which the omission to disclose makes the report misleading.

9) I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

10) I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

11) I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

12) The effective date of this report is Sept 30, 2003.

Dated this 1st Day of December, 2004.

"Carl Schulze"

Carl Schulze, BSc, PGeo
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Appendix 2: Statement of Costs

Surface Exploration:

Soil sampling: 12 samples @ $27/sample:	$ 324.00
Technician: 1 day @ $220/day:	$ 220.00
Total surface:	**$ 544.00**

Diamond Drilling:

Geologist: 31 m/days @ $440/day:	$13,640.00
Geologist: 7 m/days @ $400/day:	$ 2,800.00
Assistant: 31 m/days @ 200/day:	$ 6,820.00
Diamond Drilling: 3,162' @ $20/foot:	$63,240.00
Core Sampling: 294 samples @ $30/sample:	$ 8,820.00
Total drilling:	**$95,320.00**

Total Expenditures: $95,864.00

Note: Only $1,600.00 is applicable to the Mars claim

Appendix 3: Summary Logs

Northstar Project area

Summary Logs, Kaza – Northstar Project
Northstar Project area

DDH NS-04-01

UTM (NAD 27 Canada): 671382, 6215159, Zone 9
Elevation: 1,426.4m (4680')
Azimuth: 045°, Dip –45°, EOH: 716' (218.2m)
Core Size: NQ
Date started: June 3/04, Date Finished: June 13/04
Logged by: Ron McIntyre

0 – 12': Casing
12 – 49.9': Andesite Plagioclase Porphyry
49.9 – 132.5': Brecciated Andesite Porphyry
132.5 – 141.3': Dark grey-black, fine grained (F.Gr) Basalt
141.3 – 143.4': Brecciated Andesite Porphyry
143.4 – 145.3': Andesite – Limestone Breccia
145.3 – 155.9': Andesite Plagioclase Porphyry
155.9 – 177.6': Brecciated Andesite Porphyry
177.6 – 199.1': Plagioclase – Hornblende Porphyritic Andesite
199.1 – 202.1': Limy Siltstone
201.1 – 213.7': Plagioclase-Hornblende-porphyritic + Amygdaloidal Andesite
213.7 – 218.9': Plagioclase Porphyritic Andesite
218.9 – 230.7': Brecciated Porphyritic Andesite
230.7 – 312.2': Plagioclase-porphyritic Andesite
312.2 – 353.9': Brecciated Porphyritic Andesite
353.9 – 380.0': Plagioclase-porphyritic Andesite
380.0 – 409.6': Brecciated Porphyritic Andesite
409.6 – 415.2': Andesite Dyke
415.2 – 449.8': Brecciated Porphyritic Andesite
449.8 – 460.4': Plagioclase-porphyritic Andesite
460.4 – 462.0': Fault Zone
460.2 – 466.0': Plagioclase-porphyritic Andesite
466.2 – 487.2': Brecciated Porphyritic Andesite
487.2 – 506.1': Plagioclase-porphyritic Andesite
506.1 – 515.4': Brecciated Porphyritic Andesite
515.4 – 534.2': Plagioclase-porphyritic Andesite
534.2 – 556.6': Brecciated Porphyritic Andesite
556.2 – 577.8': Weakly altered Plagioclase-porphyritic Andesite
577.8 – 613.4': Plagioclase-porphyritic Andesite
613.4 – 640.6': Brecciated Porphyritic Andesite
640.6 – 645.0': Fault Zone
645.0 – 646.3': Plagioclase-porphyritic Andesite
646.3 – 683.0': Mod. Altered and brecciated plagioclase-porphyritic Andesite
683.0': End of Hole

DDH NS-04-02

UTM (NAD 27 Canada): 671364, 6215189, Zone 9
Elevation: 1,443.2 (4735')
Azimuth: 110°, Dip –45°, EOH: 706' (215.1m)
Core Size: NQ
Date started: June 14/04, Date Finished: June 21/04
Logged by: Ron McIntyre

0 – 30': Casing
30 – 71.9': Brecciated Andesite Porphyry
71.9 – 74.4': Plagioclase-porphyritic Andesite
74.4 – 93.6': Brecciated Andesite Porphyry
93.6 – 114.7': Plagioclase-porphyritic Andesite
114.7 – 155.0': Brecciated Andesite Porphyry
155.0 – 156.8': Plagioclase-porphyritic Andesite
156.8 – 159.2': Clay-altered Andesite Plagioclase Porphyry
159.2 – 162.9': Plagioclase-porphyritic Andesite
162.9 – 164.5': Clay-altered Andesite Plagioclase Porphyry
164.5 – 185.0': Plagioclase-porphyritic Andesite
185.0 – 193.6': Tuff Breccia
193.6 – 196.6': Andesite Plagioclase Crystal Tuff
196.6 – 231.5': Tuff Breccia
231.5 – 242.1': Plagioclase-porphyritic Andesite
242.1 – 283.1': Tuff Breccia
283.1 – 298.8': Plagioclase porphyritic Andesite
298.8 – 324.5': Tuff breccia
324.5 – 361.5': Clay altered Tuff Breccia
361.5 – 369.6': Silicified Tuff Breccia
369.6 – 396.8': Tuff breccia
396.8 – 397.9': Fault Zone
397.9 – 418.4': Plagioclase porphyritic Andesite
418.4 – 423.0': Brecciated Andesite Porphyry
423.2 – 427.5': Plagioclase porphyritic Andesite
427.5 – 435.2': Clay-altered Tuff Breccia
435.2 – 445.0': Plagioclase porphyritic Andesite
445.0 – 505.4': Tuff Breccia
505.4 – 550.0': Plagioclase porphyritic Andesite
550.0 - 562.8': Altered Volcanics, brecciated and calcareous
562.8 – 632.0': Limestone, recrystallized
632.0 – 706.0': Basalt, weakly chloritic, augite porphyritic

706.0': End of Hole

DDH NS-04-03

UTM (NAD 27 Canada): 671546, 6215281, Zone 9
Elevation: 1,391.4m (4565')
Azimuth: 290°, Dip –45°, EOH: 694' (211.5m)
Core Size: NQ
Date started: June 21/04, Date Finished: June 26/04
Logged by: Ron McIntyre

0 – 8': Casing
8 – 17.8': Plagioclase porphyritic Andesite
17.8 – 65.1': Andesite: Hornblende-plagioclase porphyritic
65.1 – 66.5': Fault Zone
66.5 – 144.8': Plagioclase porphyritic Andesite
144.8 – 212.3': Plagioclase porphyritic Andesite, abnt brecciated zones
212.3 – 216.2': Altered fault zone
216.2 – 228.0': Brecciated Plagioclase-porphyritic Andesite
228.0 – 247.0': Plagioclase porphyritic Andesite
247.0 – 405.9': Plagioclase porphyritic Andesite, 40% brecciated intervals
405.9 – 437.2': Tuff Breccia
437.2 – 443.8': Chloritic Tuff
438.2 – 476.6': Hematized Lahar
476.6 – 517.5': Very F. Grained Andesite Tuff Breccia
517.5 – 527.0': Crystal Lapilli-Tuff
527.0 – 619.7': Altered Crystal and Lapilli Tuff
619.7 – 634.0': Very fine grained Tuff Breccia
634.0 – 694.0': Altered Crystal and Lapilli Tuff

694.0': End of Hole

DDH NS-04-03

UTM (NAD 27 Canada): 671546, 6215281, Zone 9
Elevation: 1,391.4m (4565')
Azimuth: 290°, Dip –45°, EOH: 694' (211.5m)
Core Size: NQ
Date started: June 21/04, Date Finished: June 26/04
Logged by: Ron McIntyre

0 – 8': Casing
8 – 17.8': Plagioclase porphyritic Andesite
17.8 – 65.1': Andesite: Hornblende-plagioclase porphyritic
65.1 – 66.5': Fault Zone
66.5 – 144.8': Plagioclase porphyritic Andesite
144.8 – 212.3': Plagioclase porphyritic Andesite, abnt brecciated zones
212.3 – 216.2': Altered fault zone
216.2 – 228.0': Brecciated Plagioclase-porphyritic Andesite
228.0 – 247.0': Plagioclase porphyritic Andesite
247.0 – 405.9': Plagioclase porphyritic Andesite, 40% brecciated intervals
405.9 – 437.2': Tuff Breccia
437.2 – 443.8': Chloritic Tuff
438.2 – 476.6': Hematized Lahar
476.6 – 517.5': Very F. Grained Andesite Tuff Breccia
517.5 – 527.0': Crystal Lapilli-Tuff
527.0 – 619.7': Altered Crystal and Lapilli Tuff
619.7 – 634.0': Very fine grained Tuff Breccia
634.0 – 694.0': Altered Crystal and Lapilli Tuff

694.0': End of Hole

DDH NS-04-04

UTM (NAD 27 Canada): 671546, 6215281, Zone 9
Elevation: 1,391.4m (4565')
Azimuth: 290°, Dip –65°, EOH: 596' (181.7m)
Core Size: NQ
Date started: June 26/04, Date Finished: June 28/04
Logged by: Ron McIntyre

0 – 8.0': Casing
8.0 – 15.0': Rubbly Andesite Breccia
15.0 – 138.4': Porphyritic Andesite Breccia
138.4 – 195.8': Plagioclase-porphyritic Andesite
195.8 – 214.1': Altered Porphyritic Andesite and Brecciated Andesite Zone
214.8 – 289.2': Altered Tuff-Breccia
289.2 – 327.4': Plagioclase-porphyritic Andesite
327.4 – 386.2': Brecciated Porphyritic Andesite, incl. Tuff Breccia
386.2 – 401.3': Plagioclase-porphyritic Andesite
401.3 – 420.3': Altered Andesite, incl. Tuff Breccia
420.3 – 428.3': Contact Zone – Altered Tuff?
428.3 – 470.1': Limestone, med. Grey, calcite stockwork
470.1 – 472.4': Coarse Limestone/ Basalt Breccia (intercalated)
472.4 – 494.7': Basalt, weakly chloritic
494.7 – 497.2': Laminated Tuff
497.2 – 596.0': Epidotized Basalt Lithic/ Crystal Tuff

596.0' End of Hole

DDH NS-04-05

UTM (NAD 27 Canada): 671426, 6215213, Zone 9
Elevation: 1437m (4714')
Azimuth: 180°, Dip –45°, EOH: 450' (137.2m)
Core Size: NQ
Date started: July 5/04, Date Finished: July 9/04
Logged by: Ron McIntyre

0 – 10.0': Casing
10.0 – 11.0': Pebbles – foreign rocks
11.0 – 62.6': Plagioclase porphyritic Andesite
62.6 – 120.7': Andesite, <5% plagioclase phenocrysts
120.7 – 161.8': Plagioclase porphyritic Andesite
161.8 – 174.0': Altered Andesite Breccias and Flows
174.0 – 176.0': Strongly altered Andesite Tuff Breccia
176.0 – 179.7': Plagioclase porphyritic Andesite
179.7 – 181.1': Strongly altered Andesite Tuff Breccia
181.1 – 185.8': Plagioclase porphyritic Andesite
185.8 – 221.7': Heavily altered Andesite Tuff Breccia
221.7 – 233.9': Plagioclase porphyritic Andesite
233.9 – 241.6': Heavily altered Andesite Plagioclase Porphyry
241.6 – 292.7': Porphyritic Andesite Flows and Tuff Breccias
292.7 – 338.1': Altered Tuff Breccia
338.1 – 379.4': Plagioclase porphyritic Andesite
379.4 – 402.8': Limy Volcaniclastics
402.8 – 448.0': Limestone
448.0 – 450.0': Lost core

450.0': End of Hole

Appendix 4: Diamond Drilling Results and Weighted Averages

Northstar Project area

Sample Results, DDH NS-04-01

Northern Hemisphere Development Corporation

Sample No.	Interval (ft)	Width (ft)	Copper (ppm)	Weighted Average Cu	Ag ppm	Weighted Ave Ag	
E15640	12.0 - 16.0	4	286	**1144**	0		
E15641	16.0 - 20.2	4.2	225	**945**	0		
E15501	20.2 - 23.5	3.3	552	**1821.6**			
E15642	23.5 - 27.0	3.5	160	**560**	0		
E15643	27.0 - 30.7	3.7	345	**1276.5**	0		
E15644	30.7 - 36.0	5.3	193	**1022.9**	0		
E15645	36.0 - 41.0	5	91	**455**	0		
E15646	41.0 - 46.0	5	59	**295**	0		
E15647	46.0 - 50.3	4.3	248	**1066.4**	0		
E15648	50.3 - 56.0	5.7	360	**2052**	0		
E15649	56.0 - 60.6	4.4	38	**167.2**	0		
E15502	60.6 - 63.9	3.3	258	**851.4**			
E15650	63.9 - 68.8	4.9	89	**436.1**	0		
E15503	68.8 - 72.1	3.3	136	**448.8**			
E15651	72.1 - 77.8	5.7	31	**176.7**	0		
E15652	77.8 - 83.1	5.3	40	**212**	0		
E15653	83.1 - 85.5	2.4	16	**38.4**	0		
E15654	85.5 - 91.0	5.5	154	**847**	0		
E15655	91.0 - 94.7	3.7	764	**2826.8**	0.2		
E15656	94.7 - 99.6	4.9	23	**112.7**	0		
E15657	99.6 - 106.0	6.4	73	**467.2**	0		
E15658	106.0 - 111.0	5	166	**830**	0		
E15659	111.0 - 116.0	5	72	**360**	0		
E15660	116.0 - 121.0	5	35	**175**	0		
E15661	121.0 - 126.0	5	181	**905**	0		
E15662	126.0 - 131.4	5.4	629	**3396.6**	0		
E15504	131.4 - 136	4.6	29	**133.4**	0		
E15505	136.0 - 141.3	5.3	44	**233.2**	0		
E15506	141.3 - 143.4	2.1	128	**268.8**	0		
E15507	143.4 - 145.3	1.9	96	**182.4**	0		
E15508	145.3 - 150.9	5.6	555	**3108**	0		
E15509	150.9 - 155.9	5	1319	**6595**	0.2		
		10.6		**9703**			
					0.092% Cu/ 10.6' (145.3 - 155.9')		
E15510	155.9 - 161.4	5.5	62	**341**	0		
E15511	161.4 - 166.5	5.1	109	**555.9**	0		
E15512	166.5 - 172.0	5.5	65	**357.5**	0		
E15513	172.0 - 177.6	5.6	130	**728**	0		
E15514	177.6 - 183.4	5.8	68	**394.4**	0		
E15515	183.4 - 188.9	5.5	52	**286**	0		
E15516	188.9 - 195.0	6.1	88	**536.8**	0		
E15517	195.0 - 199.1	4.1	64	**262.4**	0		
E15518	199.1 - 201.1	2	110	**220**	0		
E15519	201.1 - 205.1	4	66	**264**	0		
E15520	205.1 - 209.3	4.2	146	**613.2**	0		
E15521	209.3 - 213.7	4.4	110	**484**	0		
E15522	213.7 - 218.9	5.2	247	**1284.4**	0		
E15523	218.9 - 224.7	5.8	662	**3839.6**	0	0	
E15524	224.7 - 230.7	6	1195	**7170**	1.1	6.6	
E15663	230.7 - 236	5.3	503	**2665.9**	0.2	1.06	
		17.1		**13675.5**	**0.080% Cu/ 17.1' (218.9 - 236')**		
						0.4 g/t Ag/ 17.1'	
E15664	236.0 - 241.0	5	78	**390**	0		
E15665	241.0 - 246.0	5	86	**430**	0		

NB. Zero values provided for results less than detection limits

Sample Results: DDH NS-04-02

Northern Hemisphere Development Corporation

Sample Number	Interval (ft)	Width (feet)	Grade Cu (ppm)	Weighted Average Cu	Weighted Average (ppm Cu)	Grade Ag (ppm)	Weighted Average Ag	Weighted Ave Ag (ppm)
E15525	153.6 - 156.8	3.2	501	1603.2		0.4	1.28	
E15526	156.8 - 159.2	2.4	423	1015.2		0.4	0.96	
E15527	159.2 - 162.9	3.7	263	973.1		0.2	0.74	
E15528	162.9 - 164.5	1.6	285	456		0.2	0.32	
E15529	164.5 - 167.5	3	208	624		0.3	0.9	
E15530	167.5 - 172.6	5.1	1966	10026.6		0.6	3.06	
E15531	172.6 - 176.8	4.2	2065	8673		0.7	2.94	
E15532	176.8 - 180.9	4.1	574	2353.4		0.2	0.82	
E15533	180.9 - 185.0	4.1	572	2345.2		0.2	0.82	
E15534	185.0 - 189.5	4.5	1185	5332.5		0.3	1.35	
E15535	189.5 - 193.6	4.1	11100	45510		3	12.3	
E15536	193.6 - 196.6	3	2378	7134		0.9	2.7	
E15537	196.6 - 201.1	4.5	5310	23895		1.7	7.65	
E15538	201.1 - 206.0	4.9	8465	41478.5		3	14.7	
E15539	206.0 - 211.0	5	5278	26390		2.1	10.5	
E15540	211.0 - 216.0	5	23100	115500		7.7	38.5	
E15541	216.0 - 221.0	5	17800	89000		7.8	39	
E15542	221.0 - 226.0	5	23000	115000		8	40	
					E15540 - 15542: 2.13% Cu/15'		117.5	**7.8 g/t Ag/ 15'**
E15543	226.0 - 231.5	5.5	7948	43714		2.4	13.2	
E15544	231.5 - 236.0	4.5	2331	10489.5		1.2	5.4	
E15545	236.0 - 242.1	6.1	360	2196		0.2	1.22	
E15546	242.1 - 247.5	5.4	9380	50652		2.6	14.04	
E15547	247.5 - 252.2	4.7	16600	78020		5.4	25.38	
E15548	252.2 - 257.1	4.9	26200	128380		9.2	45.08	
E15549	257.1 - 262.1	5	28000	140000		9.9	49.5	

							119.96	8.2 g/t Ag/ 14.6'
E15550	262.1 - 266.6	4.5	9900	44550	E15547 - 15550: 2.02% Cu/19.1'	4.2	18.9	
E15551	266.6 - 270.6	4	7530	30120		4.4	17.6	
E15552	270.6 - 274.5	3.9	1067	4161.3		0.3	1.17	
					E15551 - E 15552 0.434% Cu/ 7.9'		594.3	4.2 g/t Ag/ 85'
E15553	274.5 - 278.8	4.3	805	3461.5		0.2	0.86	
E15554	278.8 - 283.1	4.3	223	958.9		0.2	0.86	
E15555	283.1 - 288.0	4.9	559	2739.1		0.2	0.98	
E15556	288.0 - 292.8	4.8	236	1132.8		0	0	
E15557	292.8 - 298.5	5.7	10700	60990		4.8	27.36	
E15558	298.5 - 303.0	4.5	9153	41188.5		3.4	15.3	
E15559	303.0 - 307.7	4.7	440	2068		0	0	
E15560	307.7 - 312.5	4.8	16100	77280		7.8	37.44	
E15561	312.5 - 316.9	4.4	2896	12742.4		0.9	3.96	
E15562	316.9 - 320.8	3.9	932	3634.8		0	0	
E15563	320.8 - 324.5	3.7	407	1505.9		0	0	
E15564	324.5 - 329.5	5	3405	17025		0.6	3	
E15565	329.5 - 335.5	6	10200	61200		4.7	28.2	
E15566	335.5 - 340.0	4.5	1521	6844.5		0.4	1.8	
					E15557 - E15666: 0.603% Cu/ 47.2'		117.06	2.5 g/t Ag/ 47.2'
E15567	340.0 - 344.0	4	268	1072		0	0	
E15568	344.4 - 348.4	4.4	1227	5398.8		0	0	
E15569	348.4 - 352.7	4.3	710	3053		0	0	
E15570	352.7 - 357.3	4.6	288	1324.8		0	0	
E15571	357.3 - 361.5	4.2	1991	8362.2		0.3	1.26	
E15572	361.5 - 365.4	3.9	253	986.7		0	0	
E15573	365.4 - 369.6	4.2	1386	5821.2		0	0	
E15574	369.6- 374.2	4.6	6737	30990.2		0	0	
E15575	374.2 - 378.0	3.8	556	2112.8		0	0	
E15576	378.0 - 382.2	4.2	297	1247.4		0	0	
E15577	382.2 - 386.7	4.5	319	1435.5		0.2	0.9	
E15578	386.7 - 392.7	6	270	1620		0	0	
E15579	392.7 - 396.8	4.1	278	1139.8		0	0	
E15580	396.8 - 401.7	4.9	264	1293.6		0	0	
E15581	401.7 - 405.6	3.9	264	1029.6		0	0	
E15582	405.6 - 410.2	4.6	495	2277		0	0	

E15583	410.2 - 414.1	3.9	352	1372.8		0	0	
E15584	414.1 - 418.4	4.3	309	1328.7		0	0	
E15585	418.4 - 423.0	4.6	3235	14881		0	0	
E15586	423.0 - 427.5	4.5	3695	16627.5		0.6	2.7	
E15587	427.5 - 431.3	3.8	9305	35359		2	7.6	
E15588	431.3 - 435.2	3.9	11800	46020		2.4	9.36	
E15589	435.2 - 440.0	4.8	11100	53280		2.4	11.52	
E15590	440.0 - 445.0	5	453	2265		0	0	
E15591	445.0 - 449.0	4	655	2620		0	0	
E15592	449.0 - 453.4	4.4	6600	29040		1.3	5.72	
E15593	453.4 - 458.0	4.6	2632	12107.2		0.6	2.76	
E15594	458.0 - 462.4	4.4	9613	42297.2		2.1	9.24	
E15595	462.4 - 467.8	5.4	9234	49863.6		2.2	11.88	
E15596	467.8 - 472.4	4.6	9134	42016.4		2.2	10.12	
E15597	472.4 - 477.4	5	10500	52500		2.5	12.5	
E15598	477.4 - 481.7	4.3	7416	31888.8		1.3	5.59	
E15599	481.7 - 486.0	4.3	723	3108.9		0	0	
E15600	486.0 - 491.1	4.1	1333	5465.3		0.4	1.64	
E15601	490.1 - 494.9	4.8	1365	6552		0.3	1.44	
E15602	494.9 - 500.1	5.2	479	2490.8		0	0	
E15603	500.1 - 505.4	5.3	559	2962.7		0	0	
					E15585 - E15603: 0.519% Cu/ 87'		92.07	**1.1 g/t Ag/ 87 feet**
E15760	505.4 - 510.0	4.6	364	1674.4		0	0	
E15761	510.0 - 515.7	5.7	601	3425.7		0	0	
E15762	515.7 - 521.8	6.1	343	2092.3		0	0	
E15604	521.8 - 525.8	4	451	1804		0	0	
E15763	525.8 - 531.5	5.7	563	3209.1		0	0	
E15764	531.5 - 537.9	6.4	374	2393.6		0	0	
E15765	537.9 - 543.8	5.9	352	2076.8		0	0	
E15766	543.8 - 550.0	6.2	382	2368.4		0	0	
E15605	550.0 - 554.6	4.6	23800	109480		6.1	28.06	
E15606	554.6 - 558.9	4.3	22600	97180		6.7	28.81	
E15607	558.9 - 562.8	3.9	19600	76440		6	23.4	
E15608	562.8 - 566.7	3.9	12300	47970		3.8	14.82	
E15609	566.7 - 570.8	4.1	8672	35555.2		1.2	4.92	

E15610	570.8 - 575.0	4.2	4345	18249		0.6	2.52	
E15611	575.0 - 579.3	4.3	7721	33200.3		1.2	5.16	
E15612	579.3 - 584.2	4.9	4053	19859.7		0.7	3.43	
E15613	584.2 - 589.0	4.8	7742	37161.6		1.5	7.2	
E15614	589.0 - 594.1	5.1	6142	31324.2		2.1	10.71	
E15615	594.1 - 598.7	4.6	5216	23993.6		1	4.6	
E15616	598.7 - 603.9	5.2	6511	33857.2		0.9	4.68	
E15617	603.9 - 607.9	4	6713	26852		0.7	2.8	
E15618	607.9 - 612.3	4.4	5523	24301.2		0.3	1.32	
E15619	612.3 - 616.5	4.2	6833	28698.6		0	0	
E15620	616.5 - 621.2	4.7	868	4079.6		0	0	
							142.43	**2.0 g/t Ag/ 71.2'**
Totals		**453.7**		**2508150.4**	**0.553% Cu/ 453.7' (167.5' - 621.2')**		**1896.58**	**1.57 g/t Ag/ 453.7'**
E15621	621.2 - 626.6	5.4	47	253.8		0	0	
E15622	626.6 - 632.0	5.4	57	307.8		0	0	
E15623	632.0 - 636.0	4	172	688		0	0	
E15624	636.0 - 640.6	4.6	141	648.6		0	0	
E15625	640.6 - 644.6	4	129	516		0	0	

Weighted Ave. of 0.553% Cu and 1.65 g/t Ag/ 453.7' (167.5' - 621.2')

Sample Results, DDH NS-04-03

Northern Hemisphere Development Corporation

Sample No.	Interval (ft)	Width (ft)	Copper (ppm)	Weighted Average	Silver (ppm)	Weighted Ave Ag	
15833	8.0 - 14.5	6.5	241	1566.5	0.0	0	
15834	14.5 - 21.3	6.8	487	3311.6	0.0	0	
15835	21.3 - 27.3	6	511	3066	0.0	0	
15836	27.3 - 32.3	5	175	875	0.0	0	
15837	32.3 - 38.0	5.7	97	552.9	0.0	0	
15838	38.0 - 43.3	5.3	168	890.4	0.0	0	
15839	43.3 - 48.6	5.3	234	1240.2	0.0	0	
15840	48.6 - 54.7	6.1	814	4965.4	0.0	0	
15841	54.7 - 60.7	6	726	4356	0.0	0	
E15626	60.7 - 65.1	4.4	120	528	0	0	
E15627	65.1 - 66.5	1.4	2500	3500	1.1	1.54	
E15628	66.5 - 70.3	3.8	179	680.2	0	0	
E15629	70.3 - 75.1	4.8	3852	18489.6	1.2	5.76	
			0.227% Cu/ 10.0' (65.1 - 75.1')			**0.7 g/t Ag/ 10'**	
15842	75.1 - 79.9	4.8	513	2462.4	0.0	0	
15843	79.9 - 85.6	5.7	392	2234.4	0.0	0	
			0.10% Cu/ 37' (11.3m), 48.6 - 85.6'				
15844	85.6 - 91.7	6.1	201	1226.1	0.0	0	
15845	91.7 - 97.8	6.1	242	1476.2	0.0	0	
15846	97.8 - 103.4	5.6	261	1461.6	0.0	0	
15847	103.4 - 108.9	5.5	383	2106.5	0.0	0	
15848	108.9 - 114.4	5.5	258	1419	0.0	0	
15849	114.4 - 121.2	6.8	237	1611.6	0.0	0	
15850	121.2 - 126.6	5.4	138	745.2	0.0	0	
15851	126.6 - 132.0	5.4	192	1036.8	0.0	0	
15852	132.0 - 137.7	5.7	187	1065.9	0.0	0	
E15630	517.8 - 522.5	4.7	129	606.3	0.2	0.94	
E15631	522.5 - 527.0	4.5	154	693	0.2	0.9	
E15632	527.0 - 531.7	4.7	133	625.1	0.2	0.94	
E15633	531.7 - 536.0	4.3	200	860	0.2	0.86	
E15634	605.7 - 610.8	5.1	69	351.9	0	0	
E15635	626.0 - 629.8	3.8	148	562.4	0.9	3.42	
E15636	667.0 - 671.5	4.5	104	468	0	0	
E15637	671.5 - 673.7	2.2	69	151.8	0.2	0.44	
E15638	673.7 - 676.8	3.1	76	235.6	0.2	0.62	
E15639	676.8 - 680.6	3.8	178	676.4	0	0	

NB: "Zero" values given to samples < detection limit

Sample Results, DDH NS-04-04

Northern Hemisphere Development Corporation

Sample No.	Interval (ft)	Width (ft)	Copper (ppm)	Weighted Average Cu	Silver (ppm)	Weighted Ave (Ag)			
E15666	65.5 - 69.9	4.4	237	1042.8	<0.2	0			
E15667	69.9 - 73.2	3.3	1046	3451.8	0.3	0.99			
E15668	73.2 - 77.9	4.7	284	1334.8	<0.2	0			
E15669	177.2 - 182.5	5.3	161	853.3	<0.2	0			
E15670	182.5 - 188.1	5.6	255	1428	<0.2	0			
E15671	188.1 - 192.8	4.7	1971	9263.7	0.4	1.88			
E15672	192.8 - 195.9	3.1	531	1646.1	<0.2	0			
E15673	195.9 - 199.8	3.9	2068	8065.2	0.4	1.56			
E15674	199.8 - 204.4	4.6	327	1504.2	<0.2	0			
E15675	204.4 - 208.3	3.9	257	1002.3	<0.2	0			
E15676	208.3 - 212.1	3.8	1103	4191.4	<0.2	0			
E15677	212.1 - 217.0	4.9	2215	10853.5	0.4	1.96			
E15678	217.0 - 221.7	4.7	691	3247.7	<0.2	0			
E15679	221.7 - 226.6	4.9	2627	12872.3	0.6	2.94			
E15680	226.6 - 230.9	4.3	2144	9219.2	0.3	1.29			
E15681	230.9 - 235.0	4.1	9584	39294.4	1.7	6.97			
E15682	235.0 - 239.6	4.6	14300	65780	3.1	14.26	**0.8 g/t Ag/ 36.2' (208.3 - 244.5')**		
E15683	239.6 - 244.5	4.9	1589	7786.1	0.3	1.47			
							0.4233% Cu / 36.2' (208.3 - 244.5')		
E15684	244.5 - 248.7	4.2	349	1465.8	<0.2	0			
E15685	248.7 - 253.7	5	280	1400	<0.2	0			
E15686	253.7 - 258.1	4.4	240	1056	<0.2	0			
E15687	258.1 - 262.5	4.4	251	1104.4	<0.2	0			
E15688	262.5 - 267.0	4.5	252	1134	<0.2	0			
E15689	267.0 - 271.1	4.1	1079	4423.9	<0.2	0			
E15690	271.1 - 275.7	4.6	2782	12797.2	0.3	1.38			

E15691	275.7 - 280.0	4.3	351	1509.3	<0.2	0			
E15692	280.0 - 284.6	4.6	4089	18809.4	0.5	2.3			
E15693	284.6 - 289.2	4.6	4786	22015.6	1.1	5.06	**0.5 g/t Ag/ 26.6' (267.0 - 293.6')**		
E15694	289.2 - 293.6	4.4	3014	13261.6	1.1	4.84			
							0.2737% Cu/ 26.6' (267.0 - 293.6')		
E15695	293.6 - 297.3	3.7	318	1176.6	<0.2	0			
E15696	297.3 - 301.9	4.6	386	1775.6	<0.2	0			
E15697	301.9 - 306.7	4.8	532	2553.6	<0.2	0			
E15698	306.7 - 311.3	4.6	337	1550.2	<0.2	0			
E15699	311.1 - 315.7	4.4	443	1949.2	<0.2	0			
						0			
E15700	315.7 - 321.8	6.1	254	1549.4	<0.2	0			
E15701	321.8 - 327.4	5.6	2790	15624	<0.2	0			
E15702	327.4 - 330.9	3.5	3724	13034	1.1	3.85			
E15703	330.9 - 335.6	4.7	5329	25046.3	1.6	7.52			
E15704	335.6 - 339.7	4.1	858	3517.8	<0.2	0			
						0			

E15705	339.7 - 342.9	3.2	808	2585.6	0.2	0.64			
E15706	342.9 - 347.0	4.1	978	4009.8	0.2	0.82			
E15707	347.0 - 351.8	4.8	407	1953.6	<0.2	0			
E15708	351.8 - 356.0	4.2	4950	20790	1.5	6.3			
E15709	356.0 - 361.1	5.1	27200	138720	9.4	47.94			
						0			
E15710	361.1 - 366.3	5.2	12000	62400	3.9	20.28			
E15711	366.3 - 371.1	4.8	10100	48480	2.6	12.48			
E15712	371.1 - 376.0	4.9	10600	51940	2.5	12.25			
E15713	376.0 - 381.0	5	5042	25210	1.3	6.5			
E15714	381.0 - 386.2	5.2	4517	23488.4	1.2	6.24	**3.26 g/t Ag/ 34.4' (351.8 - 362.2')**		
							1.079% Cu/ 34.4' (351.8 - 386.2')		
E15715	386.2 - 390.7	4.5	630	2835	<0.2	0			
E15716	390.7 - 395.8	5.1	249	1269.9	<0.2	0			
E15717	395.8 - 401.3	5.5	308	1694	<0.2	0			
E15718	401.3 - 405.7	4.4	3244	14273.6	1.1	4.84			
E15719	405.7 - 410.5	4.8	679	3259.2	<0.2	0			
E15720	410.5 - 415.0	4.5	4741	21334.5	1.7	7.65			
E15721	415.0 - 420.1	5.1	10900	55590	3.9	19.89			
E15722	420.1 - 424.0	3.9	14300	55770	6.7	26.13			
E15723	424.0 - 428.3	4.3	13300	57190	1.3	5.59			
E15724	428.3 - 433.2	4.9	785	3846.5	<0.2	0			
E15725	433.2 - 438.0	4.8	2589	12427.2	0.2	0.96			
E15726	438.0 - 443.2	5.2	9516	49483.2	1.1	5.72			
E15727	443.2 - 447.4	4.2	14600	61320	2.1	8.82			
E15728	447.4 - 452.2	4.8	18400	88320	3.0	14.4			
E15729	452.2 - 457.0	4.8	37500	180000	7.3	35.04			
E15730	457.0 - 461.3	4.3	4724	20313.2	0.9	3.87			
E15731	461.3 - 465.9	4.6	5811	26730.6	1.1	5.06			
E15732	465.9 - 470.1	4.2	8585	36057	1.9	7.98	**1.1345% Cu/ 63.8' (410.5 - 474.3')**		
E15733	470.1 - 474.3	4.2	13200	55440	3.1	13.02	**2.42 g/t Ag / 63.8' (410.5 - 474.3')**		
		286.2		1448211.3		329.7			
					0.506% Cu, 1.15 g/t Ag/ 286.2' (87.2m) (188.1 - 474.3')				

							0.7763% Cu/ 152.5' (321.8 - 474.3')		
							4.49 g/t/ 63.8' (410.5 - 474.3')		
			0.488% / 297.1 feet (177.2 - 474.3')						
E15734	474.3 - 479.4	5.1	165	841.5					
E15735	479.4 - 484.3	4.9	194	950.6					

Weighted Average: 0.49% Cu/ 297.1' (177.2 - 474.3')

Includes: **0.42% / 36.2' (208.3 - 244.5')**
0.27% Cu/ 26.6' (267.0 - 293.6')
0.78% Cu/ 152.5' (321.8 - 474.3')

In turn includes:

1.08% Cu and 3.26 g/t Ag/ 34.4' (351.8 - 386.2')
1.14% Cu and 2.42 g/t Ag/ 63.8' (410.5 - 474.3')

Sample Results, DDH NS-04-05

Northern Hemisphere Development Corporation

Sample No.	Interval (ft)	Width (ft)	Copper (ppm)	Weighted Average Cu	Silver (ppm)	Weighted Ave (Ag)		
E15736	23.6 - 27.2	3.6	700	2520	<0.2	0		
E15737	52.0 - 55.1	3.1	433	1342.3	<0.2	0		
E15738	68.3 - 71.0	2.7	1593	4301.1	<0.2	0		
E15739	71.0 - 74.0	3	735	2205	<0.2	0		
E15740	102.5 - 105.6	3.1	871	2700.1	<0.2	0		
E15741	105.6 - 108.8	3.2	389	1244.8	<0.2	0		
E15742	108.8 - 112.0	3.2	359	1148.8	<0.2	0		
E15743	112.0 - 115.3	3.3	678	2237.4	<0.2	0		
E15744	138.2 - 142.6	4.4	368	1619.2	<0.2	0		
E15745	161.8 - 166.3	4.5	581	2614.5	<0.2	0		
E15746	166.3 - 170.3	4	330	1320	<0.2	0		
E15747	170.3 - 174.0	3.7	817	3022.9	<0.2	0		
E15748	174.0 - 176.0	2	10200	20400	3.9	7.8		
E15749	176.0 - 179.7	3.7	7349	27191.3	1.9	7.03		
E15750	179.7 - 181.6	1.9	7890	14991	3.1	5.89		
E15751	181.6 - 185.8	4.2	922	3872.4	<0.2	0		
E15752	185.8 - 189.9	4.1	13900	56990	5.9	24.19		
E15753	189.9 - 193.7	3.8	21300	80940	1.6	6.08		
E15754	193.7 - 198.4	4.7	7730	36331	3.2	15.04		
E15755	198.4 - 204.0	5.6	5626	31505.6	1.2	6.72		
E15756	204.0 - 209.9	5.9	12000	70800	3.7	21.83		
E15757	209.9 - 214.1	4.2	42300	177660	21.9	91.98		
				1.30% Cu / 40.1' (12.2m) 174.0' - 214.1'			**4.7 g/t Ag/40.1'**	
E15758	214.1 - 218.0	3.9	383	1493.7	<0.2	0		
E15759	218.0 - 221.7	3.7	365	1350.5	<0.2	0		
E15767	221.7 - 228.1	6.4	179	1145.6	<0.2	0		
E15768	228.1 - 233.9	5.8	190	1102	<0.2	0		
E15769	233.9 - 239.6	5.7	328	1869.6	<0.2	0		
				0.687% Cu/ 77.8' (23.7m) 161.8' - 239.6'			**2.4 g/t Ag/ 77.8'**	
E15770	239.6 - 245.1	5.5	380	2090	<0.2	0		
E15771	277.1 - 282.9	5.8	359	2082.2	0.2	1.16		
E15772	318.5 - 322.6	4.1	380	1558	<0.2	0		
E15773	322.6 - 324.0	1.4	243	340.2	<0.2	0		
E15774	324.0 - 328.1	4.1	392	1607.2	<0.2	0		

Weighted Average: 0.69% Cu and 2.4 g/t Ag/ 77.8' (23.7m) 161.8' - 239.6'
Includes: 1.30% Cu and 4.6 g/t Ag/ 40.1' (12.2m) 174.0 - 214.1'

Appendix 5: Surface Sample Descriptions and Results,

MARS claim

Appendix 5a: Soil Sample Descriptions, MARS claim

Sample No.	Easting	Northing	Traverse (Easting)	Traverse (Northing)	Horizon	Depth (cm)	Slope Angle	Colour	Permafrost (yes/no?)	% Coarse Fragments	Vegetation	Surficial Geology	Fragment Lithology	% Organics	Date	Sampler	Comments
SM269871	671135	6215600	BL 0+00	9+50 N	B	20	Mod	brn	No	25	Forest			5	6/19/2004	DW	
SM269872	671135	6215650	BL 0+00	10+00N	B/C	20	Mod	grey-brn	No	25	Forest			5	6/19/2004	DW	
SM269873	671135	6215700	BL 0+00	10+50 N	B/C	20	Mod	dk brn	No	40	Forest			5	6/19/2004	DW	
SM269887	671730	6215665	600E	1000N	B	10	Mod	red brn	No	10	Forest			5	6/19/2004	DW	
SM269888	671681	6215663	550E	1000N	B	10	Mod	red brn	No	10	Forest			5	6/19/2004	DW	
SM269889	671632	6215661	500E	1000N	B	5	Mod	brn	No	5	Forest			5	6/19/2004	DW	
SM269890	671583	6215659	450E	1000N	A/B	5	Mod	dk brn	No	5	Forest			20	6/19/2004	DW	
SM269891	671534	6215658	400E	1000N	B	5	Mod	brn	No	5	Forest			5	6/19/2004	DW	
SM269892	671485	6215657	350E	1000N	B	5	Mod	brn	No	5	Forest			5	6/19/2004	DW	
SM269893	671435	6215656	300E	1000N	B/C	20	Mod	grey brn	No	20	Forest			5	6/19/2004	DW	
SM269894	671385	6215655	250E	1000N	B	10	Mod	brn	No	10	Forest			5	6/19/2004	DW	
SM269895	671335	6215654	200E	1000N	B	10	Mod	brn	No	10	Forest			5	6/19/2004	DW	
SM269896	671285	6215653	150E	1000N	B	10	Mod	brn	No	10	Forest			5	6/19/2004	DW	
SM269897	671235	6215652	100E	1000N	B	10	Mod	brn	No	10	Forest			5	6/19/2004	DW	
SM269898	671185	6215651	50E	1000N	B	10	Mod	red brn	No	10	Forest			5	6/19/2004	DW	

Appendix 5b: Soil Geochemical Results, MARS claim

Sample No.	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni
SM 269871	<5	0.5	3.40	20	50	10	0.10	<1	16	41	69	5.35	20	0.75	375	2	<0.01	13
SM 269872	10	0.2	2.98	<5	15	<5	2.19	<1	11	20	476	2.17	10	0.83	744	<1	<0.01	18
SM 269873	10	<0.2	3.31	<5	10	<5	1.48	<1	24	43	542	5.59	20	1.94	1117	<1	0.02	28
SM 269887	<5	0.2	3.10	5	55	<5	0.12	<1	20	56	41	6.94	20	1.14	479	<1	<0.01	21
SM 269888	<5	<0.2	2.81	10	65	5	0.21	<1	24	59	68	6.57	20	1.48	765	<1	<0.01	24
SM 269889	<5	0.2	1.17	<5	50	5	0.07	<1	13	29	21	4.86	10	0.30	310	<1	<0.01	8
SM 269890	10	0.7	2.45	15	330	<5	1.48	<1	17	40	162	3.93	20	0.92	1045	<1	0.01	21
SM 269891	<5	0.2	2.10	<5	205	5	0.17	<1	16	36	37	5.24	10	0.77	353	<1	<0.01	13
SM 269892	<5	0.3	2.10	<5	295	<5	1.24	<1	23	37	56	4.65	10	0.98	1854	<1	0.01	18
SM 269893	<5	0.2	2.28	30	140	<5	1.09	<1	22	41	123	4.37	10	1.44	947	5	0.01	30
SM 269894	<5	0.3	2.59	5	205	<5	1.07	<1	20	40	136	4.63	20	1.24	1120	<1	0.01	24
SM 269895	<5	0.4	2.20	<5	115	5	0.23	<1	20	44	92	5.52	10	0.87	703	<1	<0.01	17
SM 269896	<5	0.2	2.13	<5	95	5	0.28	<1	17	36	70	4.97	10	0.88	717	<1	<0.01	16
SM 269897	<5	0.2	2.08	5	45	5	0.14	<1	18	43	43	5.00	<10	0.94	378	<1	<0.01	16
SM 269898	<5	0.3	3.54	10	35	<5	0.14	<1	22	61	78	6.43	10	1.36	590	<1	<0.01	24

Appendix 5b: Soil Geochemical Results, MARS claim

Sample No.	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
SM 269871	1180	28	15	<20	9	0.25	<10	164	<10	11	43
SM 269872	460	22	<5	<20	41	0.03	<10	72	<10	10	28
SM 269873	650	20	<5	<20	24	0.07	<10	149	<10	13	52
SM 269887	4400	24	5	<20	7	0.11	<10	175	<10	5	84
SM 269888	2480	20	<5	<20	11	0.12	<10	155	<10	6	102
SM 269889	740	8	<5	<20	4	0.08	<10	151	<10	5	40
SM 269890	620	20	<5	<20	23	0.07	<10	175	<10	24	64
SM 269891	630	18	<5	<20	10	0.05	<10	191	<10	5	77
SM 269892	610	18	<5	<20	18	0.09	<10	140	<10	9	96
SM 269893	870	20	30	<20	16	0.08	<10	131	<10	13	86
SM 269894	600	20	5	<20	16	0.07	<10	148	<10	13	85
SM 269895	710	18	5	<20	11	0.13	<10	177	<10	7	65
SM 269896	950	18	<5	<20	11	0.12	<10	163	<10	7	61
SM 269897	1150	22	<5	<20	7	0.21	<10	117	<10	7	58
SM 269898	2480	24	<5	<20	9	0.05	<10	176	<10	4	72

Appendix 6: Original Results from Diamond Drilling

Mars Claim,

Northstar Project Area

Appendix 6a: Analytical Results, DDH NS-04-01

CO TECH LABORATORY LTD.
0041 Dallas Drive
AMLOOPS, B.C.
2C 6T4

hone: 250-573-5700
ax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-445

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 28
Sample type: Rock
Project #: Kaza - Northstar
Shipment #: Not indicated
Samples submitted by: R. F. McIntyne

alues in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	RM269858	25	5.4	2.73	17	81	<5	0.68	<1	92	116	3033	10.6	25	2.55	1001	<1	0.02	41	1270	33	<5	<20	5	0.09	<10	175	<10	9	142
2	RM269859	15	0.2	3.04	<5	95	10	1.54	<1	35	111	153	7.19	20	2.81	947	<1	0.13	35	860	30	<5	<20	29	0.12	<10	209	<10	11	71
3	RM269860	35	1.8	2.69	25	75	<5	0.70	<1	201	138	1573	>10	120	2.00	705	<1	0.01	31	2560	<2	<5	<20	4	0.02	<10	260	<10	8	93
4	RM269861	30	<0.2	1.33	15	85	<5	0.72	<1	37	48	238	6.99	30	1.04	856	<1	0.02	29	1250	12	5	<20	17	0.09	<10	250	<10	13	60
5	E15501	510	0.2	2.94	<5	30	<5	5.06	<1	30	71	552	5.67	30	2.92	1217	1	0.04	42	1530	28	<5	<20	<1	0.21	<10	167	<10	18	63
6	E15502	10	<0.2	3.41	10	35	5	9.01	<1	22	43	258	3.74	20	1.43	762	2	0.03	46	1160	40	<5	<20	<1	0.16	<10	94	<10	15	42
7	E15503	30	<0.2	2.23	<5	35	10	5.52	<1	32	49	136	5.36	30	2.17	990	2	0.04	41	1250	24	<5	<20	<1	0.25	<10	139	<10	17	60
8	E15504	15	<0.2	2.48	5	45	15	3.55	<1	30	41	29	5.20	30	1.68	842	2	0.04	34	1360	28	<5	<20	46	0.26	<10	84	<10	20	55
9	E15505	5	<0.2	2.28	5	40	10	3.42	<1	39	53	44	6.80	30	2.43	1756	2	0.04	41	1600	24	<5	<20	13	0.27	<10	100	<10	23	82
10	E15506	10	<0.2	2.17	10	25	10	5.08	<1	18	35	128	3.19	10	1.20	683	2	0.03	30	990	26	<5	<20	4	0.16	<10	94	<10	12	42
11	E15507	10	<0.2	1.73	5	30	10	>10	<1	26	42	96	4.71	20	1.66	1129	2	0.03	57	1080	20	<5	<20	<1	0.22	<10	62	<10	16	51
12	E15508	10	<0.2	2.96	<5	25	<5	4.65	<1	34	69	555	6.31	30	2.85	1351	1	0.04	44	1350	28	<5	<20	<1	0.23	<10	200	<10	21	72
13	E15509	25	0.2	2.68	<5	20	<5	5.11	<1	33	70	1319	6.05	30	2.58	1183	1	0.04	45	1280	26	<5	<20	<1	0.23	<10	203	<10	19	68
14	E15510	5	<0.2	2.86	15	40	15	5.88	<1	27	42	62	4.79	20	1.70	862	3	0.04	40	1190	32	<5	<20	42	0.23	<10	60	<10	17	55
15	E15511	10	<0.2	2.62	<5	40	15	4.70	<1	39	51	109	6.22	30	2.85	1338	2	0.04	44	1540	26	<5	<20	11	0.28	<10	167	<10	25	78
16	E15512	10	<0.2	2.32	<5	35	15	4.39	<1	41	56	65	7.01	30	2.49	1266	3	0.04	44	1550	24	<5	<20	<1	0.35	<10	184	<10	26	85
17	E15513	20	<0.2	2.49	5	25	10	7.73	<1	32	53	130	5.84	30	2.19	1408	2	0.04	45	1370	26	<5	<20	<1	0.26	<10	130	<10	21	69
18	E15514	10	<0.2	2.33	<5	30	20	7.70	<1	37	53	68	6.18	30	2.22	1379	3	0.05	50	1450	24	<5	<20	<1	0.34	<10	188	<10	25	76
19	E15515	10	<0.2	2.63	5	30	15	5.47	<1	39	60	52	6.72	30	2.32	1564	3	0.04	46	1430	28	<5	<20	<1	0.32	<10	194	<10	24	84
20	E15516	15	<0.2	2.95	15	30	15	5.09	<1	41	64	88	7.17	30	2.60	1684	5	0.04	49	1550	28	<5	<20	<1	0.34	<10	240	<10	28	87
21	E15517	5	<0.2	2.91	5	25	10	7.33	<1	36	63	64	6.31	30	2.80	1733	3	0.04	48	1470	32	<5	<20	<1	0.30	<10	138	<10	22	77
22	E15518	10	<0.2	5.08	35	20	<5	>10	<1	33	52	110	4.37	20	2.11	1506	2	0.01	57	630	56	<5	<20	<1	0.18	<10	75	<10	11	46
23	E15519	10	<0.2	2.57	10	10	10	5.46	<1	32	60	66	5.71	20	2.73	1777	2	0.04	43	1101	25	<5	<20	<1	0.27	<10	80	<10	15	57
24	E15520	10	<0.2	2.70	10	20	15	5.98	<1	31	59	146	5.57	30	2.45	1924	3	0.04	44	1140	30	<5	<20	<1	0.24	<10	116	<10	18	64
25	E15521	15	<0.2	2.88	20	25	10	5.56	<1	33	62	110	5.62	30	2.45	2007	2	0.04	46	1210	30	<5	<20	<1	0.30	<10	134	<10	22	68
26	E15522	10	<0.2	1.88	<5	25	<5	4.80	<1	39	56	247	6.43	30	2.37	2540	2	0.04	42	1480	18	<5	<20	<1	0.33	<10	158	<10	24	77
27	E15523	30	<0.2	2.70	<5	35	<5	6.49	<1	34	54	662	5.77	30	2.82	4693	<1	0.03	47	1200	30	<5	<20	<1	0.23	<10	158	<10	18	70
28	E15524	90	1.1	1.79	5	30	<5	>10	<1	28	41	1195	4.22	20	1.60	3667	<1	0.02	52	1170	22	<5	<20	<1	0.13	<10	124	<10	11	63

Hole KS-04-01

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
C DATA:																														
esplit:																														
1	RM269858	45	5.3	2.68	20	100	<5	0.64	<1	94	115	2736	>10	40	2.50	998	<1	0.02	45	1170	26	<5	<20	10	0.08	<10	177	<10	9	147
epeat:																														
1	RM269858	30	5.5	2.72	20	100	<5	0.68	<1	92	117	3139	>10	40	2.55	1001	<1	0.02	42	1230	30	<5	<20	8	0.09	<10	180	<10	10	153
5	E15501	490																												
10	E15506	15	<0.2	2.23	10	30	<5	5.17	<1	19	33	126	3.23	10	1.21	694	2	0.03	30	1010	26	<5	<20	4	0.16	<10	86	<10	12	39
19	E15515	15	<0.2	2.62	5	25	15	5.41	<1	39	60	54	6.72	30	2.31	1552	3	0.04	45	1430	26	<5	<20	<1	0.33	<10	196	<10	24	84
28	E15524	150																												
tandard:																														
EO '04		145	1.5	1.48	60	140	<5	1.46	<1	18	54	84	3.26	<10	0.89	575	<1	0.02	27	630	22	<5	<20	47	0.08	<10	68	<10	8	76

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

l/jm
/445
_S/04

15-Jul-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-639

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 56
Sample type: Core
Project #: K-NSTAR
Shipment #: Not indicated

Values in ppm unless otherwise reported

NS-04-03

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15634	5	<0.2	1.61	<5	80	<5	1.66	<1	28	58	69	2.57	<10	1.90	414	3	0.05	30	820	14	<5	<20	28	0.25	<10	22	<10	9	49
2	E15635	5	0.9	2.45	<5	100	5	3.37	<1	35	96	148	5.21	10	2.76	919	2	0.08	57	1080	54	<5	<20	<1	0.27	<10	129	<10	14	185
3	E15636	5	<0.2	1.77	<5	90	5	1.53	<1	26	56	104	3.06	<10	1.74	394	2	0.06	28	950	12	<5	<20	32	0.24	<10	46	<10	9	50
4	E15637	5	0.2	2.60	<5	95	<5	4.43	<1	47	81	69	5.94	10	2.88	865	<1	0.07	50	990	16	<5	<20	25	0.12	<10	174	<10	12	86
5	E15638	5	0.2	1.87	<5	40	<5	6.28	<1	35	66	76	5.11	10	1.78	921	<1	0.06	47	890	12	<5	<20	11	0.07	<10	153	<10	12	72
6	E15639	5	<0.2	1.79	10	85	<5	2.29	<1	29	65	178	3.15	<10	2.02	501	3	0.06	37	900	16	5	<20	21	0.22	<10	57	<10	10	57
7	E15640	10	<0.2	3.58	5	15	<5	4.85	<1	34	72	286	6.26	10	2.71	1247	1	0.05	48	1290	22	<5	<20	<1	0.29	<10	225	<10	16	72
8	E15641	5	<0.2	3.17	5	10	<5	4.75	<1	34	69	225	6.12	10	2.70	1256	<1	0.04	44	1150	20	<5	<20	<1	0.33	<10	201	<10	16	69
9	E15642	10	<0.2	2.82	<5	5	10	4.13	<1	33	69	160	5.83	20	2.86	1235	<1	0.05	42	1290	20	<5	<20	<1	0.30	<10	182	<10	20	67
10	E15643	10	<0.2	3.09	<5	<5	<5	4.41	<1	35	74	345	6.31	10	3.28	1426	<1	0.04	43	1200	22	<5	<20	<1	0.30	<10	195	<10	19	76
11	E15644	10	<0.2	2.97	<5	<5	5	3.87	<1	35	73	193	6.23	20	3.23	1376	<1	0.05	43	1340	20	<5	<20	<1	0.30	<10	206	<10	20	75
12	E15645	25	<0.2	2.53	<5	5	15	5.68	<1	31	65	91	5.60	20	2.71	1220	<1	0.04	45	1260	18	<5	<20	<1	0.22	<10	196	<10	17	69
13	E15646	25	<0.2	2.53	<5	55	10	6.64	<1	29	52	59	5.91	20	2.68	1255	<1	0.04	45	1400	18	<5	<20	<1	0.15	<10	197	<10	15	68
14	E15647	10	<0.2	2.39	<5	35	<5	4.44	<1	33	63	248	6.12	20	2.47	1182	<1	0.05	40	1490	16	<5	<20	<1	0.30	<10	214	<10	19	71
15	E15648	110	<0.2	3.06	<5	25	<5	8.16	<1	29	52	360	4.99	10	2.40	1134	<1	0.03	50	1060	24	<5	<20	<1	0.24	<10	114	<10	16	61
16	E15649	10	<0.2	3.04	5	30	10	7.06	<1	31	51	38	5.42	10	2.29	1104	<1	0.04	46	1020	26	<5	<20	<1	0.27	<10	110	<10	18	63
17	E15650	10	<0.2	2.68	20	10	<5	7.12	<1	32	50	89	5.61	20	2.07	1002	5	0.04	52	1270	24	10	<20	<1	0.23	<10	189	<10	19	64
18	E15651	30	<0.2	2.50	5	30	5	7.25	<1	33	50	31	5.44	<10	2.24	1002	<1	0.03	50	1060	20	<5	<20	<1	0.34	<10	109	<10	14	64
19	E15652	15	<0.2	2.47	5	35	10	7.05	<1	34	45	40	5.14	10	2.39	913	<1	0.03	47	1060	22	<5	<20	<1	0.31	<10	76	<10	20	64
20	E15653	15	<0.2	1.72	5	40	<5	5.90	<1	30	47	16	5.55	20	1.58	649	<1	0.01	42	1240	14	<5	<20	<1	0.25	<10	139	<10	20	52
21	E15654	10	<0.2	1.77	<5	30	<5	>10	<1	27	45	154	4.68	10	1.49	831	<1	0.03	48	1020	16	<5	<20	<1	0.26	<10	154	<10	17	49
22	E15655	5	0.2	2.52	<5	30	<5	4.11	<1	32	67	764	5.70	10	2.30	1101	<1	0.10	40	1370	20	<5	<20	9	0.26	<10	205	<10	20	72
23	E15656	15	<0.2	3.01	10	30	10	5.85	<1	34	48	23	5.52	10	2.84	1044	<1	0.02	46	960	24	<5	<20	<1	0.28	<10	94	<10	17	69
24	E15657	10	<0.2	2.37	<5	35	<5	5.80	<1	31	49	73	5.29	10	2.07	878	<1	0.06	42	1100	18	<5	<20	12	0.25	<10	143	<10	17	55
25	E15658	10	<0.2	2.05	<5	30	<5	5.75	<1	31	54	166	5.36	10	1.73	830	<1	0.07	40	1170	16	<5	<20	2	0.27	<10	171	<10	20	57
26	E15659	10	<0.2	2.25	<5	20	10	6.86	<1	30	45	72	5.17	10	2.06	871	<1	0.04	41	1020	18	<5	<20	<1	0.29	<10	143	<10	16	56
27	E15660	15	<0.2	2.88	<5	20	5	6.56	<1	34	57	35	5.89	10	2.42	1028	<1	0.04	44	1090	28	<5	<20	<1	0.34	<10	135	<10	19	67
28	E15661	45	<0.2	2.76	10	20	<5	5.96	<1	31	53	181	5.31	<10	2.19	949	<1	0.05	42	1030	20	<5	<20	8	0.32	<10	164	<10	14	62
29	E15662	15	<0.2	2.94	<5	15	<5	5.42	<1	34	53	629	5.54	10	2.47	1057	<1	0.04	42	1190	22	<5	<20	8	0.37	<10	159	<10	21	67
30	E15663	15	0.2	2.31	<5	10	<5	5.19	<1	35	63	503	5.74	10	2.01	1252	<1	0.05	41	1220	28	<5	<20	10	0.35	<10	135	<10	20	85

NS-04-04

Hole NS-04-01

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15664	5	<0.2	3.00	<5	<5	10	3.53	<1	34	75	78	5.77	10	2.52	1382	<1	0.05	39	1270	26	<5	<20	5	0.31	<10	164	<10	20	72
32	E15665	25	<0.2	3.07	<5	<5	<5	3.48	<1	33	74	86	5.73	10	2.48	1131	<1	0.04	40	1270	24	<5	<20	<1	0.29	<10	168	<10	20	73
33	E15666	20	<0.2	3.18	<5	15	<5	2.59	<1	35	77	237	6.36	10	2.85	1307	<1	0.07	40	1320	22	<5	<20	15	0.28	<10	193	<10	18	77
34	E15667	65	0.3	2.73	<5	15	<5	5.02	<1	35	68	1046	5.91	10	2.71	1221	<1	0.06	45	1190	22	<5	<20	<1	0.37	<10	185	<10	20	76
35	E15668	15	<0.2	3.11	<5	15	<5	3.41	<1	38	74	284	6.51	10	3.14	1373	<1	0.05	44	1200	24	<5	<20	<1	0.35	<10	201	<10	21	81
36	E15669	10	<0.2	2.81	<5	10	<5	6.19	<1	32	61	161	5.75	10	2.50	1280	<1	0.06	47	1170	20	<5	<20	3	0.28	<10	196	<10	18	61
37	E15670	10	<0.2	2.58	15	5	<5	7.71	<1	33	57	255	5.55	10	2.11	1089	4	0.06	48	1150	24	<5	<20	<1	0.33	<10	196	<10	20	62
38	E15671	20	0.4	2.82	50	<5	<5	3.98	2	37	69	1971	6.02	10	2.70	1226	18	0.07	55	1320	24	50	<20	4	0.34	<10	257	<10	22	74
39	E15672	10	<0.2	2.82	<5	<5	<5	2.42	<1	37	84	531	6.54	10	2.85	1377	3	0.07	43	1330	22	<5	<20	17	0.30	<10	229	<10	20	79
40	E15673	20	0.4	2.23	25	<5	<5	7.31	<1	31	59	2068	5.45	10	2.00	1063	9	0.06	51	1300	20	25	<20	<1	0.28	<10	190	<10	19	61
41	E15674	15	<0.2	2.34	30	<5	<5	5.90	<1	32	67	327	5.62	10	2.07	955	10	0.06	51	1260	20	30	<20	<1	0.23	<10	201	<10	18	63
42	E15675	10	<0.2	2.52	35	<5	<5	6.17	<1	34	68	257	5.88	10	2.33	1094	9	0.05	52	1200	22	25	<20	<1	0.26	<10	207	<10	19	69
43	E15676	15	<0.2	2.46	30	<5	<5	4.97	<1	33	67	1103	6.01	10	2.16	916	8	0.05	49	1290	20	30	<20	<1	0.18	<10	188	<10	17	73
44	E15677	15	0.4	2.36	35	<5	<5	6.79	<1	29	46	2215	5.22	10	1.68	1013	6	0.02	48	1350	22	20	<20	<1	0.13	<10	87	<10	14	75
45	E15678	10	<0.2	3.34	30	<5	<5	5.01	<1	36	65	691	6.61	10	2.75	1007	10	0.04	50	1150	28	25	<20	<1	0.25	<10	136	<10	16	80
46	E15679	15	0.6	3.11	40	<5	<5	5.49	<1	35	63	2627	6.00	10	2.28	856	11	0.05	54	1380	28	30	<20	<1	0.30	<10	136	<10	20	74
47	E15680	10	0.3	3.12	35	5	<5	5.11	<1	35	69	2144	6.04	10	2.24	840	10	0.07	52	1350	26	25	<20	<1	0.28	<10	144	<10	19	76
48	E15681	15	1.7	3.12	40	<5	<5	5.49	<1	32	63	9584	6.05	10	2.31	968	10	0.04	51	1620	26	35	<20	<1	0.16	<10	143	<10	15	79
49	E15682	20	3.1	2.80	<5	<5	<5	7.11	<1	31	61	>10000	5.25	10	2.31	973	<1	0.06	44	1890	24	<5	<20	<1	0.31	<10	154	<10	17	61
50	E15683	5	0.3	3.25	<5	5	<5	5.52	<1	34	63	1589	5.81	10	2.41	1035	<1	0.08	42	1220	26	<5	<20	<1	0.38	<10	169	<10	21	74
51	E15684	10	<0.2	3.21	<5	<5	<5	4.47	<1	37	68	349	6.26	10	2.75	1043	1	0.07	42	1100	26	<5	<20	<1	0.43	<10	179	<10	21	77
52	E15685	<5	<0.2	3.32	<5	<5	<5	4.77	<1	35	65	280	6.05	10	2.68	1096	<1	0.06	43	1180	28	<5	<20	<1	0.38	<10	197	<10	20	77
53	E15686	<5	<0.2	3.56	<5	<5	<5	3.91	<1	39	71	240	6.58	10	3.04	1134	1	0.10	43	1050	32	<5	<20	4	0.46	<10	210	<10	23	80
54	E15687	5	<0.2	3.60	<5	15	<5	4.34	<1	40	71	251	6.57	10	2.84	1114	<1	0.12	46	1180	34	<5	<20	14	0.49	<10	189	<10	22	77
55	E15688	5	<0.2	3.25	<5	5	<5	6.20	<1	38	62	252	6.22	10	2.37	1016	<1	0.07	46	1290	30	<5	<20	<1	0.43	<10	134	<10	20	81
56	E15689	5	<0.2	3.19	5	<5	<5	5.90	<1	34	60	1079	5.93	10	2.67	933	1	0.05	46	1240	30	<5	<20	<1	0.33	<10	132	<10	18	76
QC DATA:																														
Resplit:																														
1	E15634	5	<0.2	1.68	<5	80	<5	1.64	<1	28	58	71	2.64	<10	1.91	429	1	0.05	31	850	18	<5	<20	28	0.29	<10	12	<10	9	55
36	E15669	-	<0.2	1.79	<5	<5	<5	4.60	<1	21	43	123	3.69	<10	1.61	894	<1	0.04	31	960	18	<5	<20	<1	0.14	<10	125	<10	12	52
Repeat:																														
1	E15634	5	<0.2	1.56	<5	70	5	1.65	<1	27	55	65	2.46	<10	1.79	391	2	0.05	29	770	16	<5	<20	25	0.28	<10	14	<10	10	47
10	E15643	10	<0.2	2.96	<5	5	<5	4.31	<1	34	71	337	6.12	10	3.15	1387	<1	0.04	43	1160	18	<5	<20	<1	0.28	<10	195	<10	17	74
19	E15652	15	<0.2	2.40	25	30	<5	6.84	<1	32	45	39	5.06	10	2.31	892	<1	0.03	50	990	20	<5	<20	<1	0.05	<10	84	<10	17	63
36	E15669	-	<0.2	2.59	25	<5	<5	5.80	<1	30	57	150	5.31	10	2.30	1199	7	0.05	48	1140	24	20	<20	<1	0.23	<10	194	<10	17	60
45	E15678	-	<0.2	3.35	<5	<5	<5	5.08	<1	37	69	699	6.64	10	2.74	1013	<1	0.04	45	1150	28	<5	<20	<1	0.27	<10	128	<10	16	81
Standard:																														
GEO '04		140	1.4	1.66	55	135	<5	1.59	<1	20	61	84	3.53	<10	0.92	612	<1	0.03	28	640	22	<5	<20	51	0.11	<10	62	<10	9	74
GEO '04		135	1.4	1.62	60	125	5	1.57	<1	19	60	83	3.52	<10	0.91	607	<1	0.02	30	650	20	<5	<20	49	0.10	<10	64	<10	9	74

JJ/kk
df/625/639re
XLS/04

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Appendix 6b: Analytical Results, DDH NS-04-02

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
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CERTIFICATE OF ASSAY AK 2004-506

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

28-Jun-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 31
Sample type: Rock
Project #: Kaza-North Star
Shipment #: Not indicated
Samples submitted by: R. F. McIntyre

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
1	E15525	<0.03	<0.001	
2	E15526	0.06	0.002	
3	E15527	<0.03	<0.001	
4	E15528	<0.03	<0.001	
5	E15529	<0.03	<0.001	
6	E15530	<0.03	<0.001	
7	E15531	<0.03	<0.001	
8	E15532	<0.03	<0.001	
9	E15533	<0.03	<0.001	
10	E15534	<0.03	<0.001	
11	E15535	<0.03	<0.001	1.11
12	E15536	<0.03	<0.001	
13	E15537	<0.03	<0.001	
14	E15538	<0.03	<0.001	
15	E15539	<0.03	<0.001	
16	E15540	<0.03	<0.001	2.31
17	E15541	<0.03	<0.001	1.78
18	E15542	<0.03	<0.001	2.30
19	E15543	<0.03	<0.001	
20	E15544	<0.03	<0.001	

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Jutta Jealouse
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Northern Hemisphere Corp. AK04-506 28-Jun-04

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
21	E15545	<0.03	<0.001	
22	E15546	<0.03	<0.001	
23	E15547	<0.03	<0.001	1.66
24	E15548	<0.03	<0.001	2.62
25	E15549	<0.03	<0.001	2.80
26	E15550	<0.03	<0.001	0.99
27	E15551	<0.03	<0.001	
28	E15552	<0.03	<0.001	
29	E15553	<0.03	<0.001	
30	E15554	<0.03	<0.001	
31	E15555	<0.03	<0.001	
QC DATA:				
Repeat:				
1	E15525	<0.03	<0.001	
10	E15534	<0.03	<0.001	
11	E15535	<0.03	<0.001	1.11
16	E15540	<0.03	<0.001	
17	E15541	<0.03	<0.001	
18	E15542	<0.03	<0.001	
19	E15543	<0.03	<0.001	
Resplit:				
1	E15525	0.04	0.001	
Standard:				
CU106				1.43
OX123		1.89	0.055	

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Jutta Jealouse
B.C. Certified Assayer

JJ/jm
XLS/04

28-Jun-04

CO TECH LABORATORY LTD.
0041 Dallas Drive
AMLOOPS, B.C.
2C 6T4

hone: 250-573-5700
ax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-506

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 31
Sample type: Rock
Project #: Kaza-North Star
Shipment #: Not indicated
Samples submitted by: R. F. McIntyre

'alues in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15525	0.4	2.50	<5	45	<5	6.20	<1	39	63	501	6.93	10	2.18	1027	2	0.04	52	1320	32	<5	<20	<1	0.37	<10	160	<10	20	89
2	E15526	0.4	2.43	<5	50	<5	7.04	<1	33	55	423	5.48	10	1.91	1366	5	0.01	53	1680	28	<5	<20	<1	0.23	<10	101	<10	16	104
3	E15527	0.2	3.02	<5	35	<5	5.10	<1	43	84	263	7.65	10	2.59	1375	3	0.07	53	1420	36	<5	<20	<1	0.47	<10	197	<10	20	106
4	E15528	0.2	3.46	10	30	<5	5.18	<1	37	84	285	7.67	10	3.03	1411	<1	0.04	56	1430	40	<5	<20	<1	0.27	<10	234	<10	18	116
5	E15529	0.3	3.30	<5	30	<5	6.36	<1	43	84	208	7.88	10	2.81	1587	2	0.04	59	1480	42	<5	<20	<1	0.40	<10	251	<10	20	106
6	E15530	0.6	2.72	<5	20	<5	5.33	<1	39	82	1966	7.18	10	2.57	1382	2	0.04	57	1550	32	<5	<20	<1	0.32	<10	254	<10	19	130
7	E15531	0.7	3.40	<5	30	<5	5.94	<1	41	86	2065	7.81	10	2.88	1523	<1	0.05	58	1610	42	<5	<20	3	0.30	<10	285	<10	21	130
8	E15532	0.2	3.20	<5	20	<5	6.20	<1	40	84	574	7.25	10	2.62	1548	3	0.04	58	1420	38	<5	<20	<1	0.34	<10	250	<10	20	97
9	E15533	0.2	2.91	<5	20	<5	6.50	<1	39	82	572	7.67	10	2.59	1621	<1	0.04	56	1380	36	<5	<20	<1	0.32	<10	272	<10	20	92
10	E15534	0.3	3.65	<5	15	<5	5.23	<1	44	90	1165	7.88	10	3.08	1881	3	0.06	59	1550	46	<5	<20	<1	0.44	<10	258	<10	24	104
11	E15535	3.0	4.01	<5	25	<5	4.20	<1	47	88	>10000	7.83	10	3.56	2075	5	0.05	54	2220	50	<5	<20	<1	0.59	<10	195	<10	23	112
12	E15536	0.9	4.34	<5	10	<5	5.81	<1	44	93	2378	7.90	10	2.91	1546	3	0.05	65	1410	54	<5	<20	<1	0.36	<10	249	<10	22	106
13	E15537	1.7	3.87	<5	15	<5	5.16	<1	45	88	5310	7.89	10	2.96	1622	5	0.05	61	1820	42	<5	<20	<1	0.46	<10	216	<10	22	104
14	E15538	3.0	3.33	<5	20	<5	4.76	<1	43	83	8465	7.36	<10	2.99	1727	4	0.05	55	1830	38	<5	<20	<1	0.47	<10	192	<10	21	101
15	E15539	2.1	2.86	<5	30	<5	3.60	<1	40	78	5278	6.64	10	2.21	1372	4	0.06	45	1660	32	<5	<20	8	0.49	<10	177	<10	20	95
16	E15540	7.7	2.97	<5	25	<5	5.82	<1	42	79	>10000	6.87	10	2.67	1577	5	0.05	55	2890	28	<5	<20	<1	0.52	<10	179	<10	21	94
17	E15541	7.8	3.19	<5	20	<5	6.23	<1	45	81	>10000	7.38	10	2.77	1792	6	0.05	57	2390	32	<5	<20	<1	0.60	<10	212	<10	21	96
18	E15542	8.0	2.92	<5	20	<5	4.82	<1	44	81	>10000	7.27	10	2.68	1646	5	0.06	54	3010	32	<5	<20	<1	0.55	<10	207	<10	20	97
19	E15543	2.4	3.12	<5	25	<5	8.74	<1	41	72	7948	6.85	10	2.66	1881	4	0.04	59	1800	36	<5	<20	<1	0.51	<10	181	<10	18	93
20	E15544	1.2	2.72	<5	30	<5	6.41	<1	41	78	2331	6.99	10	2.37	1567	4	0.06	52	1510	32	<5	<20	<1	0.45	<10	227	<10	21	88
21	E15545	0.2	2.53	<5	20	<5	6.82	<1	42	81	360	7.44	10	2.29	1483	4	0.06	57	1420	28	<5	<20	<1	0.46	<10	235	<10	21	94
22	E15546	2.6	2.92	<5	15	<5	4.50	<1	45	80	9380	7.35	10	2.61	1316	6	0.06	49	1880	32	<5	<20	<1	0.62	<10	236	<10	20	98
23	E15547	5.4	3.13	<5	20	<5	5.38	<1	47	81	>10000	7.67	10	3.06	1530	7	0.04	55	2450	36	<5	<20	<1	0.64	<10	230	<10	22	99
24	E15548	9.2	2.95	<5	20	<5	8.94	<1	41	65	>10000	6.41	<10	2.87	1425	4	0.03	61	2950	34	<5	<20	<1	0.50	<10	158	<10	17	88
25	E15549	9.9	3.18	<5	40	<5	9.29	<1	40	62	>10000	6.90	10	2.69	1662	3	0.04	62	3210	32	<5	<20	<1	0.47	<10	129	<10	16	89

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	E15550	4.2	3.30	<5	25	<5	6.00	<1	43	78	>10000	7.25	10	3.29	2104	5	0.05	56	2060	34	<5	<20	<1	0.55	<10	213	<10	20	100
27	E15551	4.4	3.44	<5	10	<5	6.28	<1	45	80	7530	7.81	10	3.62	2251	4	0.04	57	1980	40	<5	<20	<1	0.49	<10	245	<10	19	116
28	E15552	0.3	3.02	<5	15	<5	6.18	<1	43	77	1067	7.50	10	3.28	1837	2	0.04	57	1480	36	<5	<20	<1	0.35	<10	219	<10	18	120
29	E15553	0.2	2.94	<5	10	<5	5.67	<1	42	77	805	7.44	10	3.22	1778	2	0.04	56	1460	32	<5	<20	<1	0.32	<10	218	<10	16	119
30	E15554	0.2	2.30	<5	20	<5	4.14	<1	37	61	223	6.47	<10	2.47	1354	1	0.03	49	1250	30	<5	<20	<1	0.31	<10	171	<10	15	95
31	E15555	0.2	2.03	<5	5	<5	8.22	<1	35	70	559	6.40	<10	2.05	1416	1	0.04	56	1300	26	<5	<20	<1	0.27	<10	204	<10	15	83
IC DATA:																													
esplit:																													
1	E15525	0.4	2.28	10	40	<5	6.18	<1	31	51	372	5.25	<10	1.80	1291	5	0.01	49	1530	32	<5	<20	<1	0.21	<10	99	<10	14	103
epeat:																													
1	E15525	0.4	2.56	<5	45	<5	6.36	<1	40	65	505	7.13	10	2.22	1054	3	0.04	52	1350	32	<5	<20	<1	0.39	<10	158	<10	18	92
10	E15534	0.3	3.54	<5	15	<5	5.09	<1	43	88	1155	7.67	10	3.00	1830	3	0.05	56	1500	40	<5	<20	<1	0.43	<10	243	<10	24	100
19	E15543	2.5	3.18	<5	25	<5	9.05	<1	42	73	8190	7.01	10	2.71	1939	5	0.04	62	1920	38	<5	<20	<1	0.55	<10	198	<10	18	96
tandard:																													
iEO '04		1.6	1.64	60	175	<5	1.98	<1	22	62	85	3.84	<10	0.88	728	<1	0.02	32	680	22	<5	<20	42	0.12	<10	62	<10	9	76

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

J/jm
f/505
LS/04

Eco Tech Laboratory Ltd.

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ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
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E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-543

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

5-Jul-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 72
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples submitted by: R. F. McIntyre

Et #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
1	E15556	<0.03	<0.001	
2	E15557	<0.03	<0.001	1.07
3	E15558	<0.03	<0.001	
4	E15559	<0.03	<0.001	
5	E15560	<0.03	<0.001	1.61
6	E15561	<0.03	<0.001	
7	E15562	<0.03	<0.001	
8	E15563	<0.03	<0.001	
9	E15564	<0.03	<0.001	
10	E15565	<0.03	<0.001	1.02
11	E15566	<0.03	<0.001	
12	E15567	<0.03	<0.001	
13	E15568	<0.03	<0.001	
14	E15569	<0.03	<0.001	
15	E15570	<0.03	<0.001	
16	E15571	<0.03	<0.001	
17	E15572	<0.03	<0.001	
18	E15573	<0.03	<0.001	
19	E15574	<0.03	<0.001	
20	E15575	<0.03	<0.001	
21	E15576	<0.03	<0.001	
22	E15577	<0.03	<0.001	
23	E15578	<0.03	<0.001	
24	E15579	<0.03	<0.001	

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Jutta Jealouse
B.C. Certified Assayer

Northern Hemisphere Corp. AK04-543 5-Jul-04

Et #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
25	E15580	<0.03	<0.001	
26	E15581	<0.03	<0.001	
27	E15582	<0.03	<0.001	
28	E15583	<0.03	<0.001	
29	E15584	<0.03	<0.001	
30	E15585	<0.03	<0.001	
31	E15586	<0.03	<0.001	
32	E15587	<0.03	<0.001	0.92
33	E15588	<0.03	<0.001	1.18
34	E15589	0.04	0.001	1.11
35	E15590	<0.03	<0.001	
36	E15591	<0.03	<0.001	
37	E15592	<0.03	<0.001	
38	E15593	<0.03	<0.001	
39	E15594	<0.03	<0.001	
40	E15595	<0.03	<0.001	
41	E15596	<0.03	<0.001	0.91
42	E15597	<0.03	<0.001	1.05
43	E15598	<0.03	<0.001	
44	E15599	<0.03	<0.001	
45	E15600	<0.03	<0.001	
46	E15601	<0.03	<0.001	
47	E15602	<0.03	<0.001	
48	E15603	<0.03	<0.001	
49	E15604	<0.03	<0.001	
50	E15605	<0.03	<0.001	2.38
51	E15606	<0.03	<0.001	2.26
52	E15607	<0.03	<0.001	1.96
53	E15608	<0.03	<0.001	1.23
54	E15609	<0.03	<0.001	
55	E15610	<0.03	<0.001	
56	E15611	<0.03	<0.001	
57	E15612	<0.03	<0.001	
58	E15613	<0.03	<0.001	
59	E15614	<0.03	<0.001	
60	E15615	<0.03	<0.001	
61	E15616	<0.03	<0.001	
62	E15617	<0.03	<0.001	
63	E15618	<0.03	<0.001	
64	E15619	<0.03	<0.001	
65	E15620	<0.03	<0.001	
66	E15621	<0.03	<0.001	
67	E15622	<0.03	<0.001	
68	E15623	<0.03	<0.001	
69	E15624	<0.03	<0.001	
70	E15625	<0.03	<0.001	
71	RM 157501	<0.03	<0.001	
72	RM 269900	0.03	0.001	3.36

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Jutta Jealouse
B.C. Certified Assayer

Northern Hemisphere Corp. AK04-543 5-Jul-04

Et #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
QC DATA:				
Resplit:				
1	E15556	<0.03	<0.001	
36	E15591	<0.03	<0.001	
71	RM 157501	<0.03	<0.001	
Repeat:				
1	E15556	<0.03	<0.001	
2	E15557			1.06
10	E15565	<0.03	<0.001	
19	E15574	<0.03	<0.001	
36	E15591	<0.03	<0.001	
45	E15600	<0.03	<0.001	
51	E15606			2.22
54	E15609	<0.03	<0.001	
Standard:				
OX123		1.78	0.052	
OX123		1.82	0.053	
OX123		1.75	0.051	
PB106				0.62
CU106				1.43

JJ/jm
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

5-Jul-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
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ICP CERTIFICATE OF ANALYSIS AK 2004-543

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 72
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples submitted by: R. F. McIntyre

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15556	<0.2	2.79	<5	20	<5	4.13	<1	34	83	236	6.68	10	2.97	1569	<1	0.07	49	1540	24	<5	<20	1	0.14	<10	222	<10	15	83
2	E15557	4.8	3.12	<5	10	<5	6.53	<1	36	76	>10000	6.59	10	2.94	1700	<1	0.05	55	2150	26	<5	<20	<1	0.24	<10	201	<10	14	89
3	E15558	3.4	3.22	<5	15	<5	4.15	<1	36	82	9153	6.95	10	2.80	1402	<1	0.05	50	1960	30	<5	<20	<1	0.22	<10	212	<10	15	87
4	E15559	<0.2	2.97	<5	15	<5	4.31	<1	36	83	440	7.29	10	3.38	1662	<1	0.05	52	1540	28	<5	<20	<1	0.15	<10	232	<10	16	88
5	E15560	7.8	3.18	<5	15	<5	4.86	<1	36	79	>10000	6.44	10	3.03	1492	<1	0.04	53	2450	28	<5	<20	<1	0.25	<10	175	<10	16	85
6	E15561	0.9	3.71	<5	15	<5	4.12	<1	40	89	2896	7.68	20	3.01	1494	<1	0.06	54	1660	34	<5	<20	<1	0.19	<10	254	<10	17	96
7	E15562	<0.2	3.20	<5	15	<5	5.48	<1	33	78	932	6.55	10	2.50	1333	<1	0.05	50	1380	32	<5	<20	<1	0.15	<10	230	<10	15	81
8	E15563	<0.2	3.49	<5	<5	<5	4.66	<1	35	78	407	6.75	10	2.71	1390	<1	0.05	52	1650	36	<5	<20	<1	0.13	<10	250	<10	16	86
9	E15564	0.6	3.10	<5	20	<5	6.71	<1	35	74	3405	6.59	10	2.64	1548	<1	0.04	53	1570	32	<5	<20	<1	0.25	<10	181	<10	15	88
10	E15565	4.7	2.35	<5	15	<5	7.09	<1	31	65	>10000	5.75	10	2.20	1260	<1	0.04	46	2130	24	<5	<20	<1	0.26	<10	167	<10	13	82
11	E15566	0.4	2.96	<5	30	<5	4.28	<1	38	76	1521	6.48	10	2.70	1366	<1	0.04	48	1360	32	<5	<20	<1	0.30	<10	203	<10	17	109
12	E15567	<0.2	3.30	<5	30	<5	4.48	<1	40	77	268	7.32	10	3.06	1466	<1	0.05	51	1220	32	<5	<20	<1	0.28	<10	212	<10	16	100
13	E15568	<0.2	2.39	<5	20	<5	4.84	<1	28	72	1227	5.24	10	2.03	1158	<1	0.04	41	1320	24	<5	<20	<1	0.18	<10	157	<10	12	82
14	E15569	<0.2	2.55	<5	20	<5	4.23	<1	32	75	710	6.14	10	2.32	1256	<1	0.05	44	1470	26	<5	<20	<1	0.19	<10	195	<10	13	97
15	E15570	<0.2	3.12	<5	35	<5	5.82	<1	39	74	288	6.74	10	2.81	1420	<1	0.04	51	1350	32	<5	<20	16	0.39	<10	148	<10	20	88
16	E15571	0.3	1.59	<5	30	<5	3.66	<1	22	82	1991	3.35	<10	1.12	697	3	0.02	28	910	18	<5	<20	<1	0.21	<10	80	<10	9	49
17	E15572	<0.2	2.43	<5	40	<5	6.06	<1	30	59	253	5.48	10	2.11	1109	<1	0.02	45	1290	24	<5	<20	<1	0.22	<10	110	<10	12	77
18	E15573	<0.2	1.57	<5	20	<5	4.27	<1	22	78	1386	3.89	<10	1.35	817	<1	0.03	33	1060	16	<5	<20	<1	0.16	<10	112	<10	10	58
19	E15574	<0.2	1.85	<5	15	<5	4.82	<1	29	70	6737	5.38	10	1.74	1030	<1	0.05	40	1630	16	<5	<20	<1	0.17	<10	155	<10	13	77
20	E15575	<0.2	2.39	<5	15	<5	6.82	<1	32	70	556	6.25	10	2.38	1329	<1	0.05	49	1350	22	<5	<20	<1	0.19	<10	196	<10	14	85
21	E15576	<0.2	2.86	<5	20	<5	5.50	<1	38	75	297	7.03	10	2.89	1446	<1	0.05	52	1400	30	<5	<20	<1	0.24	<10	200	<10	16	88
22	E15577	0.2	2.78	<5	20	<5	6.93	<1	36	70	319	7.17	10	2.68	1398	1	0.04	52	1280	30	<5	<20	<1	0.21	<10	185	<10	14	82
23	E15578	<0.2	2.69	<5	35	<5	7.51	<1	34	68	270	6.37	10	2.43	1315	<1	0.05	53	1410	30	<5	<20	<1	0.19	<10	162	<10	14	76
24	E15579	<0.2	2.92	<5	40	<5	5.22	<1	35	71	278	6.93	10	2.77	1240	<1	0.04	51	1350	26	<5	<20	<1	0.20	<10	164	<10	14	85
25	E15580	<0.2	2.78	<5	25	<5	6.37	<1	35	73	264	6.92	10	2.51	1351	<1	0.04	53	1460	30	<5	<20	<1	0.18	<10	170	<10	15	100
26	E15581	<0.2	2.66	<5	25	<5	6.06	<1	35	73	264	7.04	20	2.53	1450	<1	0.05	52	2040	28	<5	<20	<1	0.18	<10	176	<10	17	94
27	E15582	<0.2	2.93	<5	15	<5	3.55	<1	37	78	495	7.43	10	2.90	1510	<1	0.04	48	1440	28	<5	<20	<1	0.17	<10	196	<10	14	112
28	E15583	<0.2	2.72	<5	15	<5	4.96	<1	36	77	352	7.08	20	2.80	1523	<1	0.05	51	1580	26	<5	<20	<1	0.17	<10	191	<10	16	101
29	E15584	<0.2	2.14	<5	10	<5	5.40	<1	33	83	309	6.52	10	2.21	1311	<1	0.07	48	1440	20	<5	<20	<1	0.18	<10	197	<10	16	88
30	E15585	0.6	2.13	<5	10	<5	6.39	<1	31	73	3235	6.03	10	2.28	1355	<1	0.06	46	1520	20	<5	<20	<1	0.16	<10	194	<10	14	85

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15586	0.6	2.88	<5	15	<5	4.89	<1	38	78	3695	7.49	20	3.00	1681	<1	0.04	51	1830	28	<5	<20	<1	0.13	<10	250	<10	16	113
32	E15587	2.0	3.13	<5	35	<5	5.22	<1	38	81	9305	6.89	20	3.23	1745	<1	0.04	51	2080	34	<5	<20	<1	0.34	<10	182	<10	21	106
33	E15588	2.4	3.07	<5	50	<5	4.16	<1	39	80	>10000	7.05	20	3.11	1605	<1	0.04	46	2200	30	<5	<20	<1	0.35	<10	167	<10	20	99
34	E15589	2.4	2.69	<5	35	<5	4.07	<1	37	83	>10000	7.22	20	2.81	1529	<1	0.04	49	2270	24	<5	<20	<1	0.17	<10	226	<10	18	89
35	E15590	<0.2	2.77	<5	20	<5	4.49	<1	36	84	453	7.37	20	2.86	1613	<1	0.04	51	1590	28	<5	<20	<1	0.12	<10	245	<10	15	102
36	E15591	<0.2	3.53	<5	30	<5	4.31	<1	39	80	655	7.63	20	3.51	1809	<1	0.03	53	1640	38	<5	<20	<1	0.20	<10	209	<10	16	113
37	E15592	1.3	2.98	<5	15	<5	4.89	<1	34	81	6600	7.01	20	2.86	1551	<1	0.04	48	1920	32	<5	<20	<1	0.18	<10	181	<10	14	88
38	E15593	0.6	3.69	<5	15	<5	4.41	<1	39	91	2632	7.71	20	3.50	1663	<1	0.04	53	1480	36	<5	<20	<1	0.16	<10	198	<10	14	99
39	E15594	2.1	3.48	<5	15	<5	6.34	<1	33	81	9613	6.98	20	3.19	1563	<1	0.03	54	1920	36	<5	<20	<1	0.17	<10	148	<10	14	90
40	E15595	2.2	3.61	<5	15	<5	6.95	<1	35	83	9234	7.11	20	3.32	1618	<1	0.03	58	2040	38	<5	<20	<1	0.13	<10	169	<10	13	91
41	E15596	2.2	3.38	<5	25	<5	5.23	25	36	84	9134	7.13	20	3.07	1592	<1	0.04	78	2230	36	<5	<20	<1	0.18	<10	181	<10	15	151
42	E15597	2.5	3.38	<5	20	<5	5.79	<1	37	88	>10000	7.29	20	3.25	1597	<1	0.04	53	2160	34	<5	<20	<1	0.18	<10	195	<10	15	90
43	E15598	1.3	2.98	<5	20	<5	6.54	<1	34	83	7416	6.82	20	2.75	1520	<1	0.05	51	2000	30	<5	<20	<1	0.19	<10	174	<10	15	84
44	E15599	<0.2	3.00	<5	15	<5	5.82	<1	35	81	723	6.64	20	2.99	1445	<1	0.04	54	1470	30	<5	<20	<1	0.16	<10	171	<10	13	84
45	E15600	0.4	3.40	<5	20	<5	4.78	<1	40	85	1333	7.37	10	3.56	1620	<1	0.04	55	1460	34	<5	<20	<1	0.29	<10	195	<10	17	98
46	E15601	0.3	3.23	<5	55	<5	4.55	<1	42	83	1365	7.35	10	3.44	1465	<1	0.04	59	1410	34	<5	<20	<1	0.29	<10	182	<10	15	94
47	E15602	<0.2	3.24	<5	20	<5	4.42	<1	42	83	479	7.25	10	3.45	1513	<1	0.04	55	1320	34	<5	<20	<1	0.33	<10	172	<10	16	96
48	E15603	<0.2	2.65	<5	20	<5	6.55	<1	32	78	559	6.42	10	2.62	1378	<1	0.04	48	1650	28	<5	<20	<1	0.18	<10	190	<10	14	80
49	E15604	<0.2	2.59	<5	45	<5	6.88	<1	36	80	451	6.35	10	2.53	1272	<1	0.05	54	1520	30	<5	<20	<1	0.20	<10	184	<10	16	77
50	E15605	6.1	3.69	<5	60	<5	6.81	<1	36	95	>10000	7.32	20	3.72	1872	<1	0.03	62	2850	32	<5	<20	<1	0.18	<10	236	<10	16	90
51	E15606	6.7	3.18	<5	30	<5	8.99	<1	30	93	>10000	6.21	20	3.14	1799	<1	0.03	62	2390	24	<5	<20	<1	0.03	<10	214	<10	13	87
52	E15607	6.0	2.76	<5	105	<5	>10	<1	25	70	>10000	5.55	10	1.82	1470	<1	<0.01	72	2230	26	<5	<20	<1	0.01	<10	137	<10	12	76
53	E15608	3.8	0.44	<5	20	<5	>10	<1	4	11	>10000	0.94	<10	0.39	765	<1	<0.01	111	980	18	<5	<20	<1	<0.01	<10	25	<10	6	15
54	E15609	1.2	0.16	<5	15	<5	>10	<1	3	12	8672	0.75	<10	0.29	340	<1	0.01	536	930	120	<5	<20	<1	<0.01	<10	17	<10	8	14
55	E15610	0.6	0.13	<5	15	<5	>10	<1	3	8	4345	0.61	<10	0.25	312	<1	<0.01	116	600	14	<5	<20	<1	<0.01	<10	14	<10	5	11
56	E15611	1.2	0.19	<5	15	<5	>10	<1	3	10	7721	0.56	<10	0.24	509	1	<0.01	535	760	120	<5	<20	<1	<0.01	<10	17	<10	5	13
57	E15612	0.7	0.09	<5	15	<5	>10	<1	2	6	4053	0.37	<10	0.24	435	<1	<0.01	122	490	14	<5	<20	<1	<0.01	<10	14	<10	4	7
58	E15613	1.5	0.08	<5	15	<5	>10	<1	2	6	7742	0.37	<10	0.22	526	<1	<0.01	528	690	118	<5	<20	<1	<0.01	<10	10	<10	3	6
59	E15614	2.1	0.04	<5	10	<5	>10	<1	2	5	6142	0.24	<10	0.18	592	<1	<0.01	122	630	14	<5	<20	<1	<0.01	<10	8	<10	5	5
60	E15615	1.0	0.08	<5	15	<5	>10	<1	2	6	5216	0.33	<10	0.20	486	<1	0.01	119	680	12	<5	<20	<1	<0.01	<10	10	<10	6	9
61	E15616	0.9	0.10	<5	15	<5	>10	<1	4	7	6511	0.59	<10	0.17	592	<1	<0.01	118	790	14	<5	<20	<1	<0.01	<10	12	<10	6	14
62	E15617	0.7	0.15	5	15	<5	>10	<1	5	11	6713	0.83	<10	0.19	808	1	<0.01	112	950	16	<5	<20	<1	<0.01	<10	14	<10	6	16
63	E15618	0.3	0.14	30	135	<5	>10	<1	5	11	5523	1.03	<10	0.17	836	3	<0.01	109	710	12	<5	<20	<1	<0.01	<10	15	<10	3	25
64	E15619	<0.2	0.17	10	15	<5	>10	<1	8	21	6833	1.47	<10	0.18	939	5	<0.01	97	880	16	<5	<20	<1	<0.01	<10	13	<10	6	29
65	E15620	<0.2	0.90	75	20	<5	>10	<1	18	33	868	2.64	<10	0.62	850	<1	<0.01	84	630	22	<5	<20	<1	<0.01	<10	53	<10	7	30
66	E15621	<0.2	2.46	25	20	<5	>10	<1	25	67	47	4.69	10	1.87	989	<1	<0.01	80	660	42	<5	<20	<1	<0.01	<10	159	<10	10	65
67	E15622	<0.2	2.19	15	155	<5	>10	<1	25	47	57	4.23	10	1.38	1182	<1	<0.01	73	760	36	<5	<20	<1	<0.01	<10	99	<10	14	54
68	E15623	<0.2	3.97	<5	80	<5	>10	<1	48	74	172	9.53	20	3.46	1719	<1	0.03	58	1020	52	<5	<20	<1	0.05	<10	316	<10	15	92
69	E15624	<0.2	3.11	10	35	10	>10	<1	40	60	141	7.36	20	3.22	1385	<1	0.03	49	740	20	<5	<20	<1	0.15	<10	245	<10	11	57
70	E15625	<0.2	2.40	<5	<5	45	8.66	4	43	66	129	6.55	30	2.45	1200	62	0.03	118	1170	162	205	<20	<1	0.06	<10	309	<10	95	69
71	RM 157501	<0.2	1.76	5	25	5	0.53	<1	29	54	114	6.72	10	1.63	336	10	0.05	19	1080	12	5	<20	42	0.35	<10	75	<10	11	41
72	RM 269900	6.8	2.71	<5	5	<5	0.64	<1	34	89	>10000	5.82	20	2.61	856	3	0.04	55	1880	24	<5	<20	<1	0.31	<10	290	<10	21	100

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
QC DATA:																													
Resplit:																													
1	E15556	<0.2	2.76	<5	10	<5	4.38	<1	35	81	242	6.63	20	2.89	1522	<1	0.06	50	1620	30	<5	<20	<1	0.14	<10	206	<10	16	84
37	E15592	1.3	3.04	5	15	<5	4.53	<1	32	77	6640	6.34	20	2.99	1429	<1	0.05	43	1500	22	<5	<20	<1	0.19	<10	186	<10	15	71
71	RM 157501	<0.2	1.77	<5	25	10	0.54	<1	29	57	129	6.74	10	1.59	330	11	0.05	19	1060	14	<5	<20	43	0.35	<10	65	<10	12	41
Repeat:																													
1	E15556	<0.2	2.77	<5	15	<5	4.08	19	34	83	243	6.63	10	2.96	1550	<1	0.06	51	1580	24	<5	<20	<1	0.13	<10	215	<10	14	85
10	E15565	4.9	2.40	<5	15	<5	7.22	<1	31	67	>10000	5.91	10	2.25	1290	<1	0.05	48	2140	24	<5	<20	<1	0.22	<10	171	<10	14	84
19	E15574	<0.2	1.85	<5	10	<5	4.87	<1	30	72	6741	5.47	10	1.75	1042	<1	0.05	42	1620	18	<5	<20	<1	0.17	<10	145	<10	14	79
36	E15591	<0.2	3.57	<5	25	<5	4.31	<1	40	80	657	7.62	20	3.55	1811	<1	0.03	53	1670	40	<5	<20	<1	0.20	<10	219	<10	16	114
45	E15600	0.4	3.43	<5	20	<5	4.84	<1	41	86	1380	7.48	10	3.60	1633	<1	0.04	55	1490	38	<5	<20	<1	0.31	<10	196	<10	18	100
54	E15609	1.0	0.16	<5	15	<5	>10	<1	2	9	8593	0.79	<10	0.29	375	<1	<0.01	100	950	12	<5	<20	<1	<0.01	<10	13	<10	7	12
Standard:																													
GEO '04		1.4	1.32	60	155	<5	1.70	<1	19	56	84	3.39	10	0.84	653	<1	0.01	31	740	22	<5	<20	52	0.06	<10	49	<10	9	77
GEO '04		1.4	1.39	50	135	<5	1.53	<1	18	52	85	3.19	10	0.89	666	<1	0.02	27	650	20	<5	<20	53	0.07	<10	47	<10	8	73

J/jm
f/543
LS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

CERTIFICATE OF ASSAY AK 2004-742

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

27-Jul-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 39
Sample type: Rock
Samples Submitted by: R.E. McIntyre

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
1	E15736	<0.03	<0.001	
2	E15737	<0.03	<0.001	
3	E15738	<0.03	<0.001	
4	E15739	<0.03	<0.001	
5	E15740	<0.03	<0.001	
6	E15741	<0.03	<0.001	
7	E15742	<0.03	<0.001	
8	E15743	<0.03	<0.001	
9	E15744	<0.03	<0.001	
10	E15745	<0.03	<0.001	
11	E15746	<0.03	<0.001	
12	E15747	<0.03	<0.001	
13	E15748	<0.03	<0.001	1.02
14	E15749	<0.03	<0.001	
15	E15750	<0.03	<0.001	
16	E15751	<0.03	<0.001	
17	E15752	<0.03	<0.001	1.39
18	E15753	<0.03	<0.001	2.13
19	E15754	<0.03	<0.001	
20	E15755	<0.03	<0.001	
21	E15756	<0.03	<0.001	1.20
22	E15757	<0.03	<0.001	4.23
23	E15758	<0.03	<0.001	
24	E15759	<0.03	<0.001	

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Northern Hemisphere Corp. AK04-742 27-Jul-04

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
25	E15760	<0.03	<0.001	
26	E15761	<0.03	<0.001	
27	E15762	<0.03	<0.001	
28	E15763	<0.03	<0.001	
29	E15764	<0.03	<0.001	
30	E15765	<0.03	<0.001	
31	E15766	<0.03	<0.001	
32	E15767	<0.03	<0.001	
33	E15768	<0.03	<0.001	
34	E15769	<0.03	<0.001	
35	E15770	<0.03	<0.001	
36	E15771	<0.03	<0.001	
37	E15772	<0.03	<0.001	
38	E15773	<0.03	<0.001	
39	E15774	<0.03	<0.001	
QC DATA:				
Repeat:				
1	E15736	<0.03	<0.001	
10	E15745	<0.03	<0.001	
13	E15748			1.04
19	E15754	<0.03	<0.001	
Resplit:				
1	E15736	<0.03	<0.001	
36	E15771	<0.03	<0.001	
Standard:				
OX123		1.84	0.054	
OX123		1.84	0.054	
CU106				1.43

JJ/jm
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

26-Jul-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AK 2004-742

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 39
Sample type: Rock
Samples Submitted by: R.E. McIntyre

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15736	<0.2	3.01	<5	35	<5	6.03	<1	40	79	700	6.88	20	2.91	1232	<1	0.09	45	1650	18	<5	<20	<1	0.47	<10	185	<10	20	85
2	E15737	<0.2	3.35	<5	40	<5	5.88	<1	41	78	433	6.83	20	3.18	1379	<1	0.07	49	1660	20	<5	<20	<1	0.53	<10	183	<10	23	91
3	E15738	<0.2	3.66	<5	35	<5	4.43	<1	46	86	1593	8.44	30	4.05	1586	<1	0.06	55	1900	14	<5	<20	<1	0.39	<10	302	<10	22	131
4	E15739	<0.2	3.26	<5	30	<5	4.79	<1	47	85	735	8.73	30	3.95	1495	<1	0.08	52	1910	16	<5	<20	<1	0.51	<10	291	<10	29	121
5	E15740	<0.2	2.78	<5	40	<5	4.75	<1	46	78	871	8.42	30	3.20	1551	<1	0.08	50	1830	14	<5	<20	<1	0.56	<10	293	<10	31	106
6	E15741	<0.2	2.83	<5	25	<5	7.56	<1	46	75	389	8.02	30	3.28	1476	<1	0.07	55	1730	16	<5	<20	<1	0.51	<10	288	<10	27	114
7	E15742	<0.2	2.27	<5	30	<5	8.42	<1	43	76	359	7.67	30	2.32	1119	<1	0.10	52	1730	16	<5	<20	<1	0.52	<10	257	<10	27	93
8	E15743	<0.2	3.19	5	30	<5	6.26	<1	45	80	678	8.44	30	2.77	1255	<1	0.07	54	1810	18	<5	<20	<1	0.50	<10	338	<10	26	109
9	E15744	<0.2	3.65	<5	45	<5	6.19	<1	39	83	368	6.97	20	3.12	1354	<1	0.07	51	1510	18	<5	<20	<1	0.42	<10	209	<10	21	99
10	E15745	<0.2	4.32	<5	45	<5	5.81	<1	39	75	581	6.79	20	3.29	1410	<1	0.05	52	1600	20	<5	<20	4	0.43	<10	216	<10	21	100
11	E15746	<0.2	3.73	5	45	<5	5.27	<1	35	75	330	6.54	20	2.60	1101	<1	0.07	47	1480	18	<5	<20	<1	0.34	<10	218	<10	19	85
12	E15747	<0.2	3.53	<5	50	<5	7.88	<1	34	69	817	6.32	20	2.13	970	<1	0.06	53	1420	24	<5	<20	<1	0.36	<10	186	<10	20	74
13	E15748	3.9	4.31	<5	30	<5	5.43	<1	43	85	>10000	7.54	20	4.07	1515	<1	0.06	58	1430	20	<5	<20	<1	0.51	<10	203	<10	23	107
14	E15749	1.9	3.70	<5	35	<5	3.07	<1	41	85	7349	7.66	30	3.73	1427	<1	0.08	47	1680	12	<5	<20	<1	0.41	<10	230	<10	23	98
15	E15750	3.1	3.80	<5	35	<5	2.95	<1	43	84	7890	7.39	30	3.96	1350	<1	0.09	48	1690	16	<5	<20	1	0.52	<10	213	<10	26	102
16	E15751	<0.2	3.60	<5	35	<5	3.77	<1	41	80	922	7.46	30	3.66	1380	<1	0.07	47	1530	16	<5	<20	<1	0.39	<10	222	<10	21	98
17	E15752	5.9	4.24	<5	35	<5	4.73	3	43	84	>10000	7.22	20	4.38	1456	<1	0.07	54	1290	14	<5	<20	<1	0.52	<10	193	<10	23	100
18	E15753	1.6	3.45	<5	35	<5	4.30	<1	39	83	>10000	6.54	20	3.38	1188	<1	0.10	49	1470	8	<5	<20	<1	0.54	<10	184	<10	23	84
19	E15754	3.2	3.61	<5	40	<5	3.74	<1	43	85	7730	7.40	20	3.61	1506	<1	0.09	46	1650	16	<5	<20	<1	0.53	<10	208	<10	26	97
20	E15755	1.2	3.49	<5	40	<5	4.58	<1	38	81	5626	7.09	30	3.47	1464	<1	0.09	50	1590	14	<5	<20	<1	0.38	<10	223	<10	22	95
21	E15756	3.7	3.38	<5	40	<5	3.84	<1	41	79	>10000	7.38	30	3.36	1396	<1	0.08	47	1730	12	<5	<20	<1	0.45	<10	222	<10	23	99
22	E15757	21.9	3.53	<5	40	<5	4.86	<1	39	77	>10000	7.16	30	3.61	1441	<1	0.08	48	10000	4	<5	<20	<1	0.11	<10	200	<10	22	98
23	E15758	<0.2	3.76	<5	35	<5	3.57	<1	41	89	383	7.24	30	3.91	1220	<1	0.09	49	1850	18	<5	<20	3	0.51	<10	204	<10	26	90
24	E15759	<0.2	4.06	<5	40	<5	5.68	<1	41	82	365	7.22	30	4.13	1415	<1	0.08	52	1400	16	<5	<20	<1	0.52	<10	213	<10	24	95
25	E15760	<0.2	2.84	<5	60	<5	6.21	<1	33	76	364	6.28	20	2.88	1235	<1	0.05	52	1550	10	<5	<20	<1	0.29	<10	172	<10	19	76
26	E15761	<0.2	3.32	<5	55	<5	5.66	<1	38	85	601	6.79	20	3.46	1385	<1	0.07	57	1510	16	<5	<20	<1	0.40	<10	179	<10	22	86
27	E15762	<0.2	3.37	<5	60	<5	7.05	<1	38	84	343	6.72	20	3.54	1430	<1	0.08	58	1430	18	<5	<20	<1	0.40	<10	184	<10	20	85
28	E15763	<0.2	3.16	<5	45	<5	5.54	<1	37	84	563	6.94	30	3.33	1297	<1	0.09	51	1570	14	<5	<20	<1	0.32	<10	236	<10	20	86
29	E15764	<0.2	2.89	<5	70	<5	9.09	<1	33	76	374	6.33	20	3.08	1453	<1	0.07	57	1400	16	<5	<20	<1	0.29	<10	207	<10	17	79

30	E15765	<0.2	3.34	<5	55	<5	4.38	<1	38	89	352	7.41	30	3.54	1490	<1	0.08	50	1630	12	<5	<20	<1	0.29	<10	220	<10	19	94

Northern Hemisphere Corp. **ICP CERTIFICATE OF ANALYSIS AK 2004-742** **ECO TECH LABORATORY LTD.**

N-04-02

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15766	<0.2	3.56	<5	50	<5	3.63	<1	35	94	382	7.54	30	3.84	1426	<1	0.08	51	1640	10	<5	<20	<1	0.15	<10	256	<10	15	96
32	E15767	<0.2	3.39	<5	35	<5	8.40	<1	31	67	179	6.17	20	2.73	1282	<1	0.05	52	1280	12	<5	<20	<1	0.26	<10	208	<10	14	76
33	E15768	<0.2	2.56	<5	30	<5	8.83	<1	23	51	190	4.63	10	1.78	959	<1	0.05	45	950	10	<5	<20	<1	0.18	<10	168	<10	11	57
34	E15769	<0.2	2.70	<5	30	<5	7.30	<1	37	79	328	6.28	20	2.62	1202	<1	0.10	52	1570	12	<5	<20	<1	0.48	<10	194	<10	24	82
35	E15770	<0.2	4.22	<5	60	<5	4.90	<1	41	83	380	7.06	20	4.03	1514	<1	0.08	49	1460	20	<5	<20	21	0.54	<10	216	<10	25	94
36	E15771	0.2	3.94	<5	30	<5	5.77	<1	37	85	359	7.07	20	3.39	1436	<1	0.07	52	1420	16	<5	<20	<1	0.42	<10	228	<10	21	90
37	E15772	<0.2	4.19	<5	35	<5	3.64	<1	44	87	380	7.61	30	4.12	1566	<1	0.08	51	1550	20	<5	<20	<1	0.53	<10	222	<10	26	95
38	E15773	<0.2	3.73	10	25	<5	>10	<1	24	66	243	4.29	10	2.04	1005	<1	0.04	52	920	20	<5	<20	<1	0.30	<10	150	<10	12	49
39	E15774	<0.2	4.06	<5	40	<5	3.88	<1	45	92	392	7.66	30	4.01	1635	<1	0.08	53	1410	24	<5	<20	<1	0.60	<10	215	<10	28	97
QC DATA:																													
Resplit:																													
1	E15736	<0.2	3.06	<5	35	<5	6.17	<1	41	89	647	7.14	20	2.85	1266	<1	0.09	46	1600	40	<5	<20	<1	0.54	<10	188	<10	21	93
36	E15771	0.2	4.05	<5	30	<5	5.76	<1	39	80	344	7.29	20	3.49	1499	<1	0.07	52	1460	20	<5	<20	<1	0.46	<10	226	<10	22	93
Repeat:																													
1	E15736	<0.2	2.95	<5	35	<5	6.19	<1	41	80	650	7.05	20	2.83	1254	<1	0.09	47	1650	20	<5	<20	<1	0.53	<10	190	<10	21	87
10	E15745	<0.2	4.60	<5	50	<5	5.83	<1	40	76	606	6.84	30	3.48	1411	<1	0.06	54	1660	24	<5	<20	12	0.44	<10	219	<10	22	101
19	E15754	3.2	3.56	<5	40	<5	3.80	<1	43	85	7890	7.44	20	3.54	1518	<1	0.09	51	1700	16	<5	<20	<1	0.56	<10	214	<10	27	99
Standard:																													
GEO '04		1.5	1.72	60	155	<5	1.69	<1	20	65	90	3.82	<10	0.93	645	<1	0.03	34	710	22	10	<20	56	0.11	<10	60	<10	8	73
GEO '04		1.4	1.79	60	155	<5	1.68	<1	20	65	89	3.80	<10	0.92	645	<1	0.03	34	700	24	<5	<20	54	0.11	<10	60	<10	8	73

ECO TECH LABORATORY LTD.

Appendix 6c: Analytical Results, DDH NS-04-03

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
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www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-585

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

7-Jul-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 8
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples submitted by:R. F.McIntyre

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	E15626	<0.03	<0.001
2	E15627	0.15	0.004
3	E15628	<0.03	<0.001
4	E15629	<0.03	<0.001
5	E15630	<0.03	<0.001
6	E15631	<0.03	<0.001
7	E15632	<0.03	<0.001
8	E15633	<0.03	<0.001

QC DATA:

Repeat:

2	E15627	0.18	0.005

Standard:

OX123		1.87	0.055

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/jm
XLS/04

8-Jul-04

:CO TECH LABORATORY LTD.
0041 Dallas Drive
:AMLOOPS, B.C.
'2C 6T4

'hone: 250-573-5700
ax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-585

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 8
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples submitted by:R. F.McIntyre

'alues in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15626	<0.2	2.45	<5	15	<5	8.82	<1	39	61	120	7.27	20	2.45	1299	<1	0.03	57	1530	30	<5	<20	<1	0.15	<10	205	<10	18	102
2	E15627	1.1	0.80	<5	10	<5	>10	<1	19	34	2500	4.08	10	0.54	838	<1	<0.01	43	1440	14	<5	<20	<1	0.12	<10	106	<10	12	43
3	E15628	<0.2	1.92	<5	<5	<5	9.15	<1	28	53	179	4.87	10	1.85	892	<1	0.03	51	1110	24	<5	<20	<1	0.16	<10	104	<10	13	69
4	E15629	1.2	2.59	10	<5	<5	6.85	<1	30	53	3852	5.21	10	2.33	954	<1	0.03	49	1350	32	<5	<20	<1	0.14	<10	107	<10	14	77
5	E15630	0.2	1.95	<5	10	<5	1.98	<1	25	64	129	2.92	<10	2.12	523	<1	0.06	38	810	26	<5	<20	18	0.09	<10	32	<10	5	54
6	E15631	0.2	2.14	<5	10	<5	1.84	<1	28	74	154	3.41	<10	2.71	604	<1	0.06	39	840	28	<5	<20	40	0.12	<10	49	<10	6	50
7	E15632	0.2	2.02	<5	10	5	1.43	<1	29	75	133	3.10	<10	2.66	561	<1	0.05	43	810	28	<5	<20	45	0.12	<10	35	<10	5	52
8	E15633	0.2	1.78	<5	60	<5	1.16	<1	27	69	200	2.81	<10	2.32	535	<1	0.05	36	870	26	<5	<20	40	0.16	<10	28	<10	5	54
):C DATA:																													
!esplit:																													
1	E15626	<0.2	2.50	5	5	<5	8.41	<1	40	61	113	7.38	20	2.49	1277	<1	0.03	58	1570	30	<5	<20	<1	0.16	<10	217	<10	21	103
:tandard:																													
;EO '04		1.5	1.65	65	170	<5	1.81	<1	21	62	89	3.77	10	0.99	692	<1	0.02	34	740	20	5	<20	51	0.06	<10	55	<10	10	84

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

J/jm
f/585
:LS/04

15-Jul-04

ECO TECH LABORATORY LTD.
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ICP CERTIFICATE OF ANALYSIS AK 2004-639

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 56
Sample type: Core
Project #: K-NSTAR
Shipment #: Not indicated

Values in ppm unless otherwise reported

NS-04-03

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15634	5	<0.2	1.61	<5	80	<5	1.66	<1	28	58	69	2.57	<10	1.90	414	3	0.05	30	820	14	<5	<20	28	0.25	<10	22	<10	9	49
2	E15635	5	0.9	2.45	<5	100	5	3.37	<1	35	96	148	5.21	10	2.76	919	2	0.08	57	1080	54	<5	<20	<1	0.27	<10	129	<10	14	185
3	E15636	5	<0.2	1.77	<5	90	5	1.53	<1	26	56	104	3.06	<10	1.74	394	2	0.06	28	950	12	<5	<20	32	0.24	<10	46	<10	9	50
4	E15637	5	0.2	2.60	<5	95	<5	4.43	<1	47	81	69	5.94	10	2.88	865	<1	0.07	50	990	16	<5	<20	25	0.12	<10	174	<10	12	86
5	E15638	5	0.2	1.87	<5	40	<5	6.28	<1	35	66	76	5.11	10	1.78	921	<1	0.06	47	890	12	<5	<20	11	0.07	<10	153	<10	12	72
6	E15639	5	<0.2	1.79	10	85	<5	2.29	<1	29	65	178	3.15	<10	2.02	501	3	0.06	37	900	16	5	<20	21	0.22	<10	57	<10	10	57
7	E15640	10	<0.2	3.58	5	15	<5	4.85	<1	34	72	286	6.26	10	2.71	1247	1	0.05	48	1290	22	<5	<20	<1	0.29	<10	225	<10	16	72
8	E15641	5	<0.2	3.17	5	10	<5	4.75	<1	34	69	225	6.12	10	2.70	1256	<1	0.04	44	1150	20	<5	<20	<1	0.33	<10	201	<10	16	69
9	E15642	10	<0.2	2.82	<5	5	10	4.13	<1	33	69	160	5.83	20	2.86	1235	<1	0.05	42	1290	20	<5	<20	<1	0.30	<10	182	<10	20	67
10	E15643	10	<0.2	3.09	<5	<5	<5	4.41	<1	35	74	345	6.31	10	3.28	1426	<1	0.04	43	1200	22	<5	<20	<1	0.30	<10	195	<10	19	76
11	E15644	10	<0.2	2.97	<5	<5	5	3.87	<1	35	73	193	6.23	20	3.23	1376	<1	0.05	43	1340	20	<5	<20	<1	0.30	<10	206	<10	20	75
12	E15645	25	<0.2	2.53	<5	5	15	5.68	<1	31	65	91	5.60	20	2.71	1220	<1	0.04	45	1260	18	<5	<20	<1	0.22	<10	196	<10	17	69
13	E15646	25	<0.2	2.53	<5	55	10	6.64	<1	29	52	59	5.91	20	2.68	1255	<1	0.04	45	1400	18	<5	<20	<1	0.15	<10	197	<10	15	68
14	E15647	10	<0.2	2.39	<5	35	<5	4.44	<1	33	63	248	6.12	20	2.47	1182	<1	0.05	40	1490	16	<5	<20	<1	0.30	<10	214	<10	19	71
15	E15648	110	<0.2	3.06	<5	25	<5	8.16	<1	29	52	360	4.99	10	2.40	1134	<1	0.03	50	1060	24	<5	<20	<1	0.24	<10	114	<10	16	61
16	E15649	10	<0.2	3.04	5	30	10	7.06	<1	31	51	38	5.42	10	2.29	1104	<1	0.04	46	1020	26	<5	<20	<1	0.27	<10	110	<10	18	63
17	E15650	10	<0.2	2.68	20	10	<5	7.12	<1	32	50	89	5.61	20	2.07	1002	5	0.04	52	1270	24	10	<20	<1	0.23	<10	189	<10	19	64
18	E15651	30	<0.2	2.50	5	30	5	7.25	<1	33	50	31	5.44	<10	2.24	1002	<1	0.03	50	1060	20	<5	<20	<1	0.34	<10	109	<10	14	64
19	E15652	15	<0.2	2.47	5	35	10	7.05	<1	34	45	40	5.14	10	2.39	913	<1	0.03	47	1060	22	<5	<20	<1	0.31	<10	76	<10	20	64
20	E15653	15	<0.2	1.72	5	40	<5	5.90	<1	30	47	16	5.55	20	1.58	649	<1	0.01	42	1240	14	<5	<20	<1	0.25	<10	139	<10	20	52
21	E15654	10	<0.2	1.77	<5	30	<5	>10	<1	27	45	154	4.68	10	1.49	831	<1	0.03	48	1020	16	<5	<20	<1	0.26	<10	154	<10	17	49
22	E15655	5	0.2	2.52	<5	30	<5	4.11	<1	32	67	764	5.70	10	2.30	1101	<1	0.10	40	1370	20	<5	<20	9	0.26	<10	205	<10	20	72
23	E15656	15	<0.2	3.01	10	30	10	5.85	<1	34	48	23	5.52	10	2.84	1044	<1	0.02	46	960	24	<5	<20	<1	0.28	<10	94	<10	17	69
24	E15657	10	<0.2	2.37	<5	35	<5	5.80	<1	31	49	73	5.29	10	2.07	878	<1	0.06	42	1100	18	<5	<20	12	0.25	<10	143	<10	17	55
25	E15658	10	<0.2	2.05	<5	30	<5	5.75	<1	31	54	166	5.36	10	1.73	830	<1	0.07	40	1170	16	<5	<20	2	0.27	<10	171	<10	20	57
26	E15659	10	<0.2	2.25	<5	20	10	6.86	<1	30	45	72	5.17	10	2.06	871	<1	0.04	41	1020	18	<5	<20	<1	0.29	<10	143	<10	16	56
27	E15660	15	<0.2	2.88	<5	20	5	6.56	<1	34	57	35	5.89	10	2.42	1028	<1	0.04	44	1090	28	<5	<20	<1	0.34	<10	135	<10	19	67
28	E15661	45	<0.2	2.76	10	20	<5	5.96	<1	31	53	181	5.31	<10	2.19	949	<1	0.05	42	1030	20	<5	<20	8	0.32	<10	164	<10	14	62
29	E15662	15	<0.2	2.94	<5	15	<5	5.42	<1	34	53	629	5.54	10	2.47	1057	<1	0.04	42	1190	22	<5	<20	8	0.37	<10	159	<10	21	67
30	E15663	15	0.2	2.31	<5	10	<5	5.19	<1	35	63	503	5.74	10	2.01	1252	<1	0.05	41	1220	28	<5	<20	10	0.35	<10	135	<10	20	85

NS-04-04

Hole NS-04-01

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15664	5	<0.2	3.00	<5	<5	10	3.53	<1	34	75	78	5.77	10	2.52	1382	<1	0.05	39	1270	26	<5	<20	5	0.31	<10	164	<10	20	72
32	E15665	25	<0.2	3.07	<5	<5	<5	3.48	<1	33	74	86	5.73	10	2.48	1131	<1	0.04	40	1270	24	<5	<20	<1	0.29	<10	168	<10	20	73
33	E15666	20	<0.2	3.18	<5	15	<5	2.59	<1	35	77	237	6.36	10	2.85	1307	<1	0.07	40	1320	22	<5	<20	15	0.28	<10	193	<10	18	77
34	E15667	65	0.3	2.73	<5	15	<5	5.02	<1	35	68	1046	5.91	10	2.71	1221	<1	0.06	45	1190	22	<5	<20	<1	0.37	<10	185	<10	20	76
35	E15668	15	<0.2	3.11	<5	15	<5	3.41	<1	38	74	284	6.51	10	3.14	1373	<1	0.05	44	1200	24	<5	<20	<1	0.35	<10	201	<10	21	81
36	E15669	10	<0.2	2.81	<5	10	<5	6.19	<1	32	61	161	5.75	10	2.50	1280	<1	0.06	47	1170	20	<5	<20	3	0.28	<10	196	<10	18	61
37	E15670	10	<0.2	2.58	15	5	<5	7.71	<1	33	57	255	5.55	10	2.11	1089	4	0.06	48	1150	24	<5	<20	<1	0.33	<10	196	<10	20	62
38	E15671	20	0.4	2.82	50	<5	<5	3.98	2	37	69	1971	6.02	10	2.70	1226	18	0.07	55	1320	24	50	<20	4	0.34	<10	257	<10	22	74
39	E15672	10	<0.2	2.82	<5	<5	<5	2.42	<1	37	84	531	6.54	10	2.85	1377	3	0.07	43	1330	22	<5	<20	17	0.30	<10	229	<10	20	79
40	E15673	20	0.4	2.23	25	<5	<5	7.31	<1	31	59	2068	5.45	10	2.00	1063	9	0.06	51	1300	20	25	<20	<1	0.28	<10	190	<10	19	61
41	E15674	15	<0.2	2.34	30	<5	<5	5.90	<1	32	67	327	5.62	10	2.07	955	10	0.06	51	1260	20	30	<20	<1	0.23	<10	201	<10	18	63
42	E15675	10	<0.2	2.52	35	<5	<5	6.17	<1	34	68	257	5.88	10	2.33	1094	9	0.05	52	1200	22	25	<20	<1	0.26	<10	207	<10	19	69
43	E15676	15	<0.2	2.46	30	<5	<5	4.97	<1	33	67	1103	6.01	10	2.16	916	8	0.05	49	1290	20	30	<20	<1	0.18	<10	188	<10	17	73
44	E15677	15	0.4	2.36	35	<5	<5	6.79	<1	29	46	2215	5.22	10	1.68	1013	6	0.02	48	1350	22	20	<20	<1	0.13	<10	87	<10	14	75
45	E15678	10	<0.2	3.34	30	<5	<5	5.01	<1	36	65	691	6.61	10	2.75	1007	10	0.04	50	1150	28	25	<20	<1	0.25	<10	136	<10	16	80
46	E15679	15	0.6	3.11	40	<5	<5	5.49	<1	35	63	2627	6.00	10	2.28	856	11	0.05	54	1380	28	30	<20	<1	0.30	<10	136	<10	20	74
47	E15680	10	0.3	3.12	35	5	<5	5.11	<1	35	69	2144	6.04	10	2.24	840	10	0.07	52	1350	26	25	<20	<1	0.28	<10	144	<10	19	76
48	E15681	15	1.7	3.12	40	<5	<5	5.49	<1	32	63	9584	6.05	10	2.31	968	10	0.04	51	1620	26	35	<20	<1	0.16	<10	143	<10	15	79
49	E15682	20	3.1	2.80	<5	<5	<5	7.11	<1	31	61	>10000	5.25	10	2.31	973	<1	0.06	44	1890	24	<5	<20	<1	0.31	<10	154	<10	17	61
50	E15683	5	0.3	3.25	<5	5	<5	5.52	<1	34	63	1589	5.81	10	2.41	1035	<1	0.08	42	1220	26	<5	<20	<1	0.38	<10	169	<10	21	74
51	E15684	10	<0.2	3.21	<5	<5	<5	4.47	<1	37	68	349	6.26	10	2.75	1043	1	0.07	42	1100	26	<5	<20	<1	0.43	<10	179	<10	21	77
52	E15685	<5	<0.2	3.32	<5	<5	<5	4.77	<1	35	65	280	6.05	10	2.68	1096	<1	0.06	43	1180	28	<5	<20	<1	0.38	<10	197	<10	20	77
53	E15686	<5	<0.2	3.56	<5	<5	<5	3.91	<1	39	71	240	6.58	10	3.04	1134	1	0.10	43	1050	32	<5	<20	4	0.46	<10	210	<10	23	80
54	E15687	5	<0.2	3.60	<5	15	<5	4.34	<1	40	71	251	6.57	10	2.84	1114	<1	0.12	46	1180	34	<5	<20	14	0.49	<10	189	<10	22	77
55	E15688	5	<0.2	3.25	<5	5	<5	6.20	<1	38	62	252	6.22	10	2.37	1016	<1	0.07	46	1290	30	<5	<20	<1	0.43	<10	134	<10	20	81
56	E15689	5	<0.2	3.19	5	<5	<5	5.90	<1	34	60	1079	5.93	10	2.67	933	1	0.05	46	1240	30	<5	<20	<1	0.33	<10	132	<10	18	76
QC DATA:																														
Resplit:																														
1	E15634	5	<0.2	1.68	<5	80	<5	1.64	<1	28	58	71	2.64	<10	1.91	429	1	0.05	31	850	18	<5	<20	28	0.29	<10	12	<10	9	55
36	E15669	-	<0.2	1.79	<5	<5	<5	4.60	<1	21	43	123	3.69	<10	1.61	894	<1	0.04	31	960	18	<5	<20	<1	0.14	<10	125	<10	12	52
Repeat:																														
1	E15634	5	<0.2	1.56	<5	70	5	1.65	<1	27	55	65	2.46	<10	1.79	391	2	0.05	29	770	16	<5	<20	25	0.28	<10	14	<10	10	47
10	E15643	10	<0.2	2.96	<5	5	<5	4.31	<1	34	71	337	6.12	10	3.15	1387	<1	0.04	43	1160	18	<5	<20	<1	0.28	<10	195	<10	17	74
19	E15652	15	<0.2	2.40	25	30	<5	6.84	<1	32	45	39	5.06	10	2.31	892	<1	0.03	50	990	20	<5	<20	<1	0.05	<10	84	<10	17	63
36	E15669	-	<0.2	2.59	25	<5	<5	5.80	<1	30	57	150	5.31	10	2.30	1199	7	0.05	48	1140	24	20	<20	<1	0.23	<10	194	<10	17	60
45	E15678	-	<0.2	3.35	<5	<5	<5	5.08	<1	37	69	699	6.64	10	2.74	1013	<1	0.04	45	1150	28	<5	<20	<1	0.27	<10	128	<10	16	81
Standard:																														
GEO '04		140	1.4	1.66	55	135	<5	1.59	<1	20	61	84	3.53	<10	0.92	612	<1	0.03	28	640	22	<5	<20	51	0.11	<10	62	<10	9	74
GEO '04		135	1.4	1.62	60	125	5	1.57	<1	19	60	83	3.52	<10	0.91	607	<1	0.02	30	650	20	<5	<20	49	0.10	<10	64	<10	9	74

JJ/kk
df/625/639re
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-925

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

10-Aug-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 62
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples Submitted by: R.E. McIntyre

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	15833	<0.03	<0.001
2	15834	<0.03	<0.001
3	15835	<0.03	<0.001
4	15836	<0.03	<0.001
5	15837	<0.03	<0.001
6	15838	<0.03	<0.001
7	15839	<0.03	<0.001
8	15840	<0.03	<0.001
9	15841	0.03	0.001
10	15842	<0.03	<0.001
11	15843	<0.03	<0.001
12	15844	<0.03	<0.001
13	15845	<0.03	<0.001
14	15846	<0.03	<0.001
15	15847	<0.03	<0.001
16	15848	<0.03	<0.001
17	15849	<0.03	<0.001
18	15850	<0.03	<0.001
19	15851	<0.03	<0.001
20	15852	<0.03	<0.001
21	15853	0.96	0.028
22	15854	0.04	0.001
23	15855	0.05	0.001
24	15856	<0.03	<0.001

HOLE NS-04-03

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Northern Hemisphere Corp. AK04-925 9-Aug-04

ET #.	Tag #	Au (g/t)	Au (oz/t)
QC DATA:			
Resplit:			
1	15833	0.25	0.007
36	15868	0.06	0.002
Repeat:			
1	15833	<0.03	<0.001
10	15842	0.03	0.001
19	15851	0.30	0.009
21	15853	0.97	0.028
26	15858	0.18	0.005
36	15868	<0.03	<0.001
45	15877	<0.03	<0.001
54	15886	0.06	0.002
58	15890	0.23	0.007
59	15891	0.83	0.024
Standard:			
OX123		1.83	0.053
OX123		1.73	0.050

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/sc
XLS/04

10-Aug-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-925

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 62
Sample type: Rock
Project #: Not indicated
Shipment #: Not indicated
Samples Submitted By: R.E. McIntyre

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	15833	<0.2	2.37	<5	45	5	2.54	<1	38	77	241	6.49	20	2.44	1027	<1	0.07	38	1700	22	<5	<20	7	0.36	<10	153	<10	24	93
2	15834	<0.2	2.45	5	30	<5	8.41	<1	43	66	487	7.58	30	2.65	1309	<1	0.08	56	1960	24	<5	<20	<1	0.41	<10	154	<10	25	109
3	15835	<0.2	2.02	5	30	<5	8.74	<1	43	63	511	7.90	30	2.32	1206	<1	0.07	55	1800	22	<5	<20	<1	0.48	<10	167	<10	27	104
4	15836	<0.2	2.46	<5	25	<5	7.76	<1	40	63	175	7.75	30	2.49	1129	<1	0.06	49	1650	24	<5	<20	<1	0.46	<10	171	<10	25	105
5	15837	<0.2	2.38	<5	25	<5	>10	<1	37	66	97	7.12	30	2.44	1087	<1	0.06	56	1480	28	<5	<20	<1	0.41	<10	200	<10	25	96
6	15838	<0.2	2.50	<5	25	<5	7.27	<1	38	73	168	7.48	30	2.54	1165	<1	0.04	53	1510	22	<5	<20	<1	0.31	<10	259	<10	23	106
7	15839	<0.2	2.77	<5	20	<5	5.16	<1	42	81	234	7.74	30	2.81	1158	<1	0.06	49	1690	28	<5	<20	<1	0.37	<10	275	<10	28	106
8	15840	<0.2	3.04	<5	25	<5	4.75	<1	41	85	814	7.91	30	2.92	1226	<1	0.05	48	1760	26	<5	<20	<1	0.36	<10	268	<10	26	105
9	15841	<0.2	2.55	<5	30	<5	6.30	<1	39	71	726	7.56	30	2.46	1120	<1	0.04	48	1690	24	<5	<20	<1	0.35	<10	240	<10	26	101
10	15842	<0.2	2.88	<5	30	<5	7.43	<1	36	70	513	6.18	20	2.38	1143	<1	0.05	50	1440	28	<5	<20	<1	0.34	<10	162	<10	25	90
11	15843	<0.2	3.73	<5	25	<5	9.86	<1	34	74	392	6.17	20	2.63	1360	<1	0.05	57	1470	34	<5	<20	<1	0.30	<10	197	<10	22	81
12	15844	<0.2	3.88	<5	20	<5	8.17	<1	31	68	201	5.66	20	2.42	1105	<1	0.05	55	1420	34	<5	<20	<1	0.22	<10	188	<10	18	79
13	15845	<0.2	3.95	<5	25	<5	6.01	<1	35	78	242	6.58	30	2.74	1177	<1	0.06	47	1520	36	<5	<20	<1	0.26	<10	215	<10	22	85
14	15846	<0.2	3.73	<5	15	<5	6.33	<1	33	75	261	6.51	20	2.60	1170	<1	0.05	50	1600	36	<5	<20	<1	0.26	<10	234	<10	21	82
15	15847	<0.2	3.16	<5	25	<5	7.63	<1	37	75	383	6.63	30	2.57	1259	<1	0.06	52	1660	34	<5	<20	<1	0.33	<10	203	<10	25	90
16	15848	<0.2	1.99	<5	20	<5	9.58	<1	31	59	258	5.69	20	1.94	1135	<1	0.05	52	1320	24	<5	<20	<1	0.27	<10	130	<10	20	79
17	15849	<0.2	2.86	<5	15	<5	8.91	<1	32	68	237	5.72	20	2.09	1041	<1	0.06	51	1380	30	<5	<20	<1	0.32	<10	204	<10	21	74
18	15850	<0.2	2.68	<5	30	<5	9.18	<1	34	61	138	5.97	20	2.72	1362	<1	0.05	55	1440	30	<5	<20	<1	0.30	<10	164	<10	21	78
19	15851	<0.2	2.81	<5	35	<5	5.46	<1	35	82	192	6.21	20	3.43	1538	<1	0.04	48	1410	30	<5	<20	<1	0.32	<10	188	<10	23	83
20	15852	<0.2	3.94	<5	20	<5	7.71	<1	33	67	187	6.09	20	2.69	1157	<1	0.04	54	1500	40	<5	<20	<1	0.20	<10	206	<10	20	81
21	15853	2.6	2.70	310	15	<5	6.16	1	38	52	647	6.73	20	2.43	739	<1	0.06	33	1010	56	<5	<20	33	0.21	<10	133	<10	11	199
22	15854	0.8	2.59	10	30	<5	2.44	<1	63	54	2302	7.71	20	2.45	534	<1	0.09	36	1040	28	<5	<20	58	0.24	<10	138	<10	10	73
23	15855	1.1	1.99	25	20	<5	3.28	<1	91	54	401	7.10	20	2.00	391	<1	0.07	33	920	28	<5	<20	104	0.26	<10	112	<10	12	44
24	15856	<0.2	1.71	<5	40	<5	1.72	<1	22	55	108	3.74	10	1.43	318	3	0.10	17	930	20	<5	<20	87	0.22	<10	52	<10	11	29
25	15857	0.8	2.53	10	60	<5	5.02	<1	29	49	840	6.26	20	1.99	677	<1	0.07	28	950	28	<5	<20	28	0.11	<10	159	<10	10	75
26	15858	0.2	1.08	95	40	<5	6.73	<1	11	51	53	2.56	10	0.67	641	1	0.03	23	680	24	<5	<20	43	<0.01	<10	40	<10	8	105
27	15859	1.5	3.33	35	120	<5	8.67	36	46	185	305	7.41	30	3.10	1402	<1	0.11	77	860	60	<5	<20	37	0.14	<10	183	<10	11	4119
28	15860	<0.2	2.22	10	120	<5	2.67	<1	38	124	509	4.57	10	2.69	468	<1	0.18	57	810	28	<5	<20	45	0.21	<10	78	<10	11	46
29	15861	<0.2	1.74	10	65	<5	1.76	<1	31	100	57	3.15	<10	1.93	352	<1	0.14	36	740	20	<5	<20	40	0.17	<10	46	<10	8	30
30	15862	<0.2	1.70	<5	55	<5	1.60	<1	30	100	49	3.19	<10	2.09	356	<1	0.12	36	780	22	<5	<20	31	0.17	<10	42	<10	8	28

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeat:																													
1	15833	<0.2	2.36	<5	40	<5	2.50	<1	37	77	237	6.43	30	2.45	1035	<1	0.07	38	1740	22	<5	<20	7	0.29	<10	147	<10	23	94
10	15842	<0.2	2.89	<5	30	<5	7.59	<1	37	71	529	6.32	20	2.40	1173	<1	0.05	53	1490	28	<5	<20	<1	0.33	<10	166	<10	23	93
19	15851	<0.2	2.73	<5	35	<5	5.45	<1	34	70	193	6.16	20	3.36	1538	<1	0.04	49	1410	30	<5	<20	<1	0.27	<10	177	<10	22	91
36	15868	<0.2	2.07	<5	105	15	3.02	<1	33	39	49	4.95	90	2.37	502	3	0.09	25	930	50	<5	<20	49	0.29	<10	82	<10	18	41
45	15877	<0.2	3.02	15	95	10	9.51	<1	58	47	4	9.03	130	1.35	899	2	0.06	67	1290	56	<5	<20	45	0.03	<10	199	<10	15	62
54	15886	0.9	1.50	10	30	<5	2.44	<1	29	46	561	3.50	20	1.39	341	2	0.09	26	800	28	10	<20	57	0.21	<10	66	<10	10	35
Standard:																													
GEO '04		1.5	1.56	60	165	<5	1.69	<1	20	64	85	3.75	<10	0.89	632	<1	0.02	32	720	20	<5	<20	48	0.10	<10	62	<10	9	73
GEO '04		1.4	1.49	60	145	<5	1.68	<1	21	64	88	3.69	<10	0.86	615	1	0.02	36	650	22	<5	<20	49	0.10	<10	64	<10	9	74

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

IJ/ejd
If/924/928
(LS/04

Appendix 6d: Analytical Results, DDH NS-04-04

15-Jul-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-639

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 56
Sample type: Core
Project #: K-NSTAR
Shipment #: Not indicated

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15634	5	<0.2	1.61	<5	80	<5	1.66	<1	28	58	69	2.57	<10	1.90	414	3	0.05	30	820	14	<5	<20	28	0.25	<10	22	<10	9	49
2	E15635	5	0.9	2.45	<5	100	5	3.37	<1	35	96	148	5.21	10	2.76	919	2	0.08	57	1080	54	<5	<20	<1	0.27	<10	129	<10	14	185
3	E15636	5	<0.2	1.77	<5	90	5	1.53	<1	26	56	104	3.06	<10	1.74	394	2	0.06	28	950	12	<5	<20	32	0.24	<10	46	<10	9	50
4	E15637	5	0.2	2.60	<5	95	<5	4.43	<1	47	81	69	5.94	10	2.88	865	<1	0.07	50	990	16	<5	<20	25	0.12	<10	174	<10	12	86
5	E15638	5	0.2	1.87	<5	40	<5	6.28	<1	35	66	76	5.11	10	1.78	921	<1	0.06	47	890	12	<5	<20	11	0.07	<10	153	<10	12	72
6	E15639	5	<0.2	1.79	10	85	<5	2.29	<1	29	65	178	3.15	<10	2.02	501	3	0.06	37	900	16	5	<20	21	0.22	<10	57	<10	10	57
7	E15640	10	<0.2	3.58	5	15	<5	4.85	<1	34	72	286	6.26	10	2.71	1247	1	0.05	48	1290	22	<5	<20	<1	0.29	<10	225	<10	16	72
8	E15641	5	<0.2	3.17	5	10	<5	4.75	<1	34	69	225	6.12	10	2.70	1256	<1	0.04	44	1150	20	<5	<20	<1	0.33	<10	201	<10	16	69
9	E15642	10	<0.2	2.82	<5	5	10	4.13	<1	33	69	160	5.83	20	2.86	1235	<1	0.05	42	1290	20	<5	<20	<1	0.30	<10	182	<10	20	67
10	E15643	10	<0.2	3.09	<5	<5	<5	4.41	<1	35	74	345	6.31	10	3.28	1426	<1	0.04	43	1200	22	<5	<20	<1	0.30	<10	195	<10	19	76
11	E15644	10	<0.2	2.97	<5	<5	5	3.87	<1	35	73	193	6.23	20	3.23	1376	<1	0.05	43	1340	20	<5	<20	<1	0.30	<10	206	<10	20	75
12	E15645	25	<0.2	2.53	<5	5	15	5.68	<1	31	65	91	5.60	20	2.71	1220	<1	0.04	45	1260	18	<5	<20	<1	0.22	<10	196	<10	17	69
13	E15646	25	<0.2	2.53	<5	55	10	6.64	<1	29	52	59	5.91	20	2.68	1255	<1	0.04	45	1400	18	<5	<20	<1	0.15	<10	197	<10	15	68
14	E15647	10	<0.2	2.39	<5	35	<5	4.44	<1	33	63	248	6.12	20	2.47	1182	<1	0.05	40	1490	16	<5	<20	<1	0.30	<10	214	<10	19	71
15	E15648	110	<0.2	3.06	<5	25	<5	8.16	<1	29	52	360	4.99	10	2.40	1134	<1	0.03	50	1060	24	<5	<20	<1	0.24	<10	114	<10	16	61
16	E15649	10	<0.2	3.04	5	30	10	7.06	<1	31	51	38	5.42	10	2.29	1104	<1	0.04	46	1020	26	<5	<20	<1	0.27	<10	110	<10	18	63
17	E15650	10	<0.2	2.68	20	10	<5	7.12	<1	32	50	89	5.61	20	2.07	1002	5	0.04	52	1270	24	10	<20	<1	0.23	<10	189	<10	19	64
18	E15651	30	<0.2	2.50	5	30	5	7.25	<1	33	50	31	5.44	<10	2.24	1002	<1	0.03	50	1060	20	<5	<20	<1	0.34	<10	109	<10	14	64
19	E15652	15	<0.2	2.47	5	35	10	7.05	<1	34	45	40	5.14	10	2.39	913	<1	0.03	47	1060	22	<5	<20	<1	0.31	<10	76	<10	20	64
20	E15653	15	<0.2	1.72	5	40	<5	5.90	<1	30	47	16	5.55	20	1.58	649	<1	0.01	42	1240	14	<5	<20	<1	0.25	<10	139	<10	20	52
21	E15654	10	<0.2	1.77	<5	30	<5	>10	<1	27	45	154	4.68	10	1.49	831	<1	0.03	48	1020	16	<5	<20	<1	0.26	<10	154	<10	17	49
22	E15655	5	0.2	2.52	<5	30	<5	4.11	<1	32	67	764	5.70	10	2.30	1101	<1	0.10	40	1370	20	<5	<20	9	0.26	<10	205	<10	20	72
23	E15656	15	<0.2	3.01	10	30	10	5.85	<1	34	48	23	5.52	10	2.84	1044	<1	0.02	46	960	24	<5	<20	<1	0.28	<10	94	<10	17	69
24	E15657	10	<0.2	2.37	<5	35	<5	5.80	<1	31	49	73	5.29	10	2.07	878	<1	0.06	42	1100	18	<5	<20	12	0.25	<10	143	<10	17	55
25	E15658	10	<0.2	2.05	<5	30	<5	5.75	<1	31	54	166	5.36	10	1.73	830	<1	0.07	40	1170	16	<5	<20	2	0.27	<10	171	<10	20	57
26	E15659	10	<0.2	2.25	<5	20	10	6.86	<1	30	45	72	5.17	10	2.06	871	<1	0.04	41	1020	18	<5	<20	<1	0.29	<10	143	<10	16	56
27	E15660	15	<0.2	2.88	<5	20	5	6.56	<1	34	57	35	5.89	10	2.42	1028	<1	0.04	44	1090	28	<5	<20	<1	0.34	<10	135	<10	19	67
28	E15661	45	<0.2	2.76	10	20	<5	5.96	<1	31	53	181	5.31	<10	2.19	949	<1	0.05	42	1030	20	<5	<20	8	0.32	<10	164	<10	14	62
29	E15662	15	<0.2	2.94	<5	15	<5	5.42	<1	34	53	629	5.54	10	2.47	1057	<1	0.04	42	1190	22	<5	<20	8	0.37	<10	159	<10	21	67
30	E15663	15	0.2	2.31	<5	10	<5	5.19	<1	35	63	503	5.74	10	2.01	1252	<1	0.05	41	1220	28	<5	<20	10	0.35	<10	135	<10	20	85

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15664	5	<0.2	3.00	<5	<5	10	3.53	<1	34	75	78	5.77	10	2.52	1382	<1	0.05	39	1270	26	<5	<20	5	0.31	<10	164	<10	20	72
32	E15665	25	<0.2	3.07	<5	<5	<5	3.48	<1	33	74	86	5.73	10	2.48	1131	<1	0.04	40	1270	24	<5	<20	<1	0.29	<10	168	<10	20	73
33	E15666	20	<0.2	3.18	<5	15	<5	2.59	<1	35	77	237	6.36	10	2.85	1307	<1	0.07	40	1320	22	<5	<20	15	0.28	<10	193	<10	18	77
34	E15667	65	0.3	2.73	<5	15	<5	5.02	<1	35	68	1046	5.91	10	2.71	1221	<1	0.06	45	1190	22	<5	<20	<1	0.37	<10	185	<10	20	76
35	E15668	15	<0.2	3.11	<5	15	<5	3.41	<1	38	74	284	6.51	10	3.14	1373	<1	0.05	44	1200	24	<5	<20	<1	0.35	<10	201	<10	21	81
36	E15669	10	<0.2	2.81	<5	10	<5	6.19	<1	32	61	161	5.75	10	2.50	1280	<1	0.06	47	1170	20	<5	<20	3	0.28	<10	196	<10	18	61
37	E15670	10	<0.2	2.58	15	5	<5	7.71	<1	33	57	255	5.55	10	2.11	1089	4	0.06	48	1150	24	<5	<20	<1	0.33	<10	196	<10	20	62
38	E15671	20	0.4	2.82	50	<5	<5	3.98	2	37	69	1971	6.02	10	2.70	1226	18	0.07	55	1320	24	50	<20	4	0.34	<10	257	<10	22	74
39	E15672	10	<0.2	2.82	<5	<5	<5	2.42	<1	37	84	531	6.54	10	2.85	1377	3	0.07	43	1330	22	<5	<20	17	0.30	<10	229	<10	20	79
40	E15673	20	0.4	2.23	25	<5	<5	7.31	<1	31	59	2068	5.45	10	2.00	1063	9	0.06	51	1300	20	25	<20	<1	0.28	<10	190	<10	19	61
41	E15674	15	<0.2	2.34	30	<5	<5	5.90	<1	32	67	327	5.62	10	2.07	955	10	0.06	51	1260	20	30	<20	<1	0.23	<10	201	<10	18	63
42	E15675	10	<0.2	2.52	35	<5	<5	6.17	<1	34	68	257	5.88	10	2.33	1094	9	0.05	52	1200	22	25	<20	<1	0.26	<10	207	<10	19	69
43	E15676	15	<0.2	2.46	30	<5	<5	4.97	<1	33	67	1103	6.01	10	2.16	916	8	0.05	49	1290	20	30	<20	<1	0.18	<10	188	<10	17	73
44	E15677	15	0.4	2.36	35	<5	<5	6.79	<1	29	46	2215	5.22	10	1.68	1013	6	0.02	48	1350	22	20	<20	<1	0.13	<10	87	<10	14	75
45	E15678	10	<0.2	3.34	30	<5	<5	5.01	<1	36	65	691	6.61	10	2.75	1007	10	0.04	50	1150	28	25	<20	<1	0.25	<10	136	<10	16	80
46	E15679	15	0.6	3.11	40	<5	<5	5.49	<1	35	63	2627	6.00	10	2.28	856	11	0.05	54	1380	28	30	<20	<1	0.30	<10	136	<10	20	74
47	E15680	10	0.3	3.12	35	5	<5	5.11	<1	35	69	2144	6.04	10	2.24	840	10	0.07	52	1350	26	25	<20	<1	0.28	<10	144	<10	19	76
48	E15681	15	1.7	3.12	40	<5	<5	5.49	<1	32	63	9584	6.05	10	2.31	968	10	0.04	51	1620	26	35	<20	<1	0.16	<10	143	<10	15	79
49	E15682	20	3.1	2.80	<5	<5	<5	7.11	<1	31	61	>10000	5.25	10	2.31	973	<1	0.06	44	1890	24	<5	<20	<1	0.31	<10	154	<10	17	61
50	E15683	5	0.3	3.25	<5	5	<5	5.52	<1	34	63	1589	5.81	10	2.41	1035	<1	0.08	42	1220	26	<5	<20	<1	0.38	<10	169	<10	21	74
51	E15684	10	<0.2	3.21	<5	<5	<5	4.47	<1	37	68	349	6.26	10	2.75	1043	1	0.07	42	1100	26	<5	<20	<1	0.43	<10	179	<10	21	77
52	E15685	<5	<0.2	3.32	<5	<5	<5	4.77	<1	35	65	280	6.05	10	2.68	1096	<1	0.06	43	1180	28	<5	<20	<1	0.38	<10	197	<10	20	77
53	E15686	<5	<0.2	3.56	<5	<5	<5	3.91	<1	39	71	240	6.58	10	3.04	1134	1	0.10	43	1050	32	<5	<20	4	0.46	<10	210	<10	23	80
54	E15687	5	<0.2	3.60	<5	15	<5	4.34	<1	40	71	251	6.57	10	2.84	1114	<1	0.12	46	1180	34	<5	<20	14	0.49	<10	189	<10	22	77
55	E15688	5	<0.2	3.25	<5	5	<5	6.20	<1	38	62	252	6.22	10	2.37	1016	<1	0.07	46	1290	30	<5	<20	<1	0.43	<10	134	<10	20	81
56	E15689	5	<0.2	3.19	5	<5	<5	5.90	<1	34	60	1079	5.93	10	2.67	933	1	0.05	46	1240	30	<5	<20	<1	0.33	<10	132	<10	18	76
QC DATA:																														
Resplit:																														
1	E15634	5	<0.2	1.68	<5	80	<5	1.64	<1	28	58	71	2.64	<10	1.91	429	1	0.05	31	850	18	<5	<20	28	0.29	<10	12	<10	9	55
36	E15669	-	<0.2	1.79	<5	<5	<5	4.60	<1	21	43	123	3.69	<10	1.61	894	<1	0.04	31	960	18	<5	<20	<1	0.14	<10	125	<10	12	52
Repeat:																														
1	E15634	5	<0.2	1.56	<5	70	5	1.65	<1	27	55	65	2.46	<10	1.79	391	2	0.05	29	770	16	<5	<20	25	0.28	<10	14	<10	10	47
10	E15643	10	<0.2	2.96	<5	5	<5	4.31	<1	34	71	337	6.12	10	3.15	1387	<1	0.04	43	1160	18	<5	<20	<1	0.28	<10	195	<10	17	74
19	E15652	15	<0.2	2.40	25	30	<5	6.84	<1	32	45	39	5.06	10	2.31	892	<1	0.03	50	990	20	<5	<20	<1	0.05	<10	84	<10	17	63
36	E15669	-	<0.2	2.59	25	<5	<5	5.80	<1	30	57	150	5.31	10	2.30	1199	7	0.05	48	1140	24	20	<20	<1	0.23	<10	194	<10	17	60
45	E15678	-	<0.2	3.35	<5	<5	<5	5.08	<1	37	69	699	6.64	10	2.74	1013	<1	0.04	45	1150	28	<5	<20	<1	0.27	<10	128	<10	16	81
Standard:																														
GEO '04		140	1.4	1.66	55	135	<5	1.59	<1	20	61	84	3.53	<10	0.92	612	<1	0.03	28	640	22	<5	<20	51	0.11	<10	62	<10	9	74
GEO '04		135	1.4	1.62	60	125	5	1.57	<1	19	60	83	3.52	<10	0.91	607	<1	0.02	30	650	20	<5	<20	49	0.10	<10	64	<10	9	74

JJ/kk
lf/625/639re
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

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CERTIFICATE OF ASSAY AK 2004-639

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

15-Jul-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 56
Sample type: Core
Project #: K-NSTAR
Shipment #: Not indicated

ET #.	Tag #	Cu (%)
49	E15682	1.43

QC DATA:

Standard:
CU106 1.43

JJ/kk
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

19-Jul-04

ECO TECH LABORATORY LTD.
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ICP CERTIFICATE OF ANALYSIS AK 2004-686

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 46
Sample type: Core
Project #: Kaza - Nstar
Samples submitted by: Carl Schulze

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15690	10	0.3	3.28	10	15	<5	6.06	<1	33	64	2782	5.66	20	2.74	937	<1	0.07	43	1070	28	<5	<20	17	0.24	<10	102	<10	22	64
2	E15691	<5	<0.2	2.75	5	15	10	5.16	<1	34	67	351	5.78	20	2.70	992	<1	0.08	42	1150	24	<5	<20	<1	0.28	<10	145	<10	25	64
3	E15692	<5	0.5	3.34	<5	15	<5	6.74	<1	35	65	4089	5.95	20	3.08	1186	<1	0.05	48	1060	26	<5	<20	<1	0.29	<10	146	<10	23	68
4	E15693	<5	1.1	3.34	10	15	<5	2.53	<1	37	74	4786	6.16	20	3.33	1129	<1	0.05	41	1210	26	<5	<20	<1	0.20	<10	162	<10	25	75
5	E15694	5	1.1	2.67	5	10	<5	4.40	<1	33	71	3014	5.72	20	2.38	895	<1	0.06	38	1170	22	<5	<20	<1	0.23	<10	156	<10	23	60
6	E15695	<5	<0.2	2.73	<5	10	<5	2.37	<1	32	68	318	5.92	20	2.66	1067	<1	0.07	37	1280	22	<5	<20	6	0.13	<10	166	<10	20	68
7	E15696	<5	<0.2	2.70	5	<5	<5	2.67	<1	30	68	386	5.62	20	2.48	1012	<1	0.07	36	1270	22	<5	<20	<1	0.10	<10	166	<10	18	64
8	E15697	<5	<0.2	3.11	<5	10	<5	3.59	<1	32	67	532	5.77	20	2.59	1076	<1	0.06	39	1160	26	<5	<20	<1	0.15	<10	183	<10	20	66
9	E15698	<5	<0.2	3.29	5	5	<5	4.28	<1	30	67	337	5.66	20	2.73	1234	<1	0.06	40	1200	26	<5	<20	<1	0.12	<10	196	<10	18	64
10	E15699	5	<0.2	3.02	<5	10	<5	4.11	<1	33	68	443	5.88	20	3.13	1489	<1	0.06	42	1220	24	<5	<20	<1	0.12	<10	186	<10	21	68
11	E15700	5	<0.2	2.90	10	15	<5	3.02	<1	28	64	254	5.49	20	2.26	1057	<1	0.06	36	1180	24	5	<20	<1	0.07	<10	204	<10	18	60
12	E15701	<5	<0.2	3.31	10	15	<5	6.05	<1	33	64	2790	5.68	20	2.77	939	<1	0.07	44	1100	30	<5	<20	20	0.21	<10	97	<10	21	64
13	E15702	<5	1.1	2.93	<5	25	<5	4.89	<1	35	67	3724	5.83	20	2.74	1237	<1	0.07	42	1250	22	<5	<20	<1	0.29	<10	157	<10	24	63
14	E15703	<5	1.6	3.43	<5	40	<5	4.45	<1	35	68	5329	5.82	20	2.99	1354	<1	0.07	43	1410	28	<5	<20	2	0.15	<10	116	<10	24	68
15	E15704	<5	<0.2	2.67	5	20	<5	3.74	<1	35	70	858	5.83	10	2.78	1179	<1	0.07	40	1130	22	<5	<20	<1	0.29	<10	149	<10	23	65
16	E15705	<5	0.2	3.06	<5	20	<5	3.75	<1	35	74	808	5.92	10	2.98	1194	<1	0.07	42	1150	24	<5	<20	<1	0.21	<10	147	<10	23	68
17	E15706	<5	0.2	2.69	<5	15	<5	5.74	<1	32	68	978	5.45	10	2.63	1164	<1	0.07	41	1200	22	<5	<20	<1	0.16	<10	137	<10	22	60
18	E15707	<5	<0.2	2.75	<5	35	<5	5.30	<1	28	67	407	5.23	10	2.15	989	<1	0.07	39	1110	24	<5	<20	<1	0.12	<10	177	<10	19	56
19	E15708	5	1.5	3.01	5	10	<5	7.00	<1	26	63	4950	5.00	10	1.90	915	<1	0.07	42	1160	26	<5	<20	<1	0.06	<10	197	<10	18	48
20	E15709	10	9.4	3.04	5	30	<5	6.97	<1	31	71	>10000	5.09	20	2.62	1168	<1	0.06	45	1690	22	<5	<20	<1	0.26	<10	128	<10	21	58
21	E15710	10	3.9	2.64	<5	20	<5	3.46	<1	33	68	>10000	5.54	20	2.70	1236	<1	0.06	37	1430	22	<5	<20	<1	0.27	<10	166	<10	21	63
22	E15711	10	2.6	2.73	<5	25	<5	5.83	<1	33	66	>10000	5.64	20	2.85	1255	<1	0.07	44	1340	20	<5	<20	<1	0.21	<10	150	<10	21	63
23	E15712	15	2.5	2.81	<5	20	<5	5.24	<1	32	69	>10000	5.62	10	2.96	1296	<1	0.07	42	1310	22	<5	<20	<1	0.32	<10	161	<10	22	63
24	E15713	10	1.3	2.95	5	20	<5	4.55	<1	35	71	5042	5.81	20	3.04	1324	1	0.09	42	1230	24	<5	<20	<1	0.42	<10	165	<10	23	64
25	E15714	10	1.2	2.96	10	30	<5	2.99	<1	34	69	4517	6.08	20	3.11	1307	<1	0.08	41	1290	22	<5	<20	2	0.28	<10	185	<10	22	66
26	E15715	10	<0.2	2.96	<5	30	<5	2.52	<1	32	75	630	6.00	20	2.76	1233	<1	0.07	37	1270	22	<5	<20	4	0.23	<10	207	<10	21	67
27	E15716	5	<0.2	2.98	5	40	<5	2.66	<1	30	68	249	5.80	20	2.76	1206	<1	0.07	37	1220	22	<5	<20	1	0.15	<10	200	<10	19	66
28	E15717	5	<0.2	3.00	5	50	<5	3.29	<1	32	74	308	6.07	20	2.80	1165	<1	0.08	40	1240	22	<5	<20	<1	0.12	<10	203	<10	19	69
29	E15718	<5	1.1	2.65	5	35	<5	4.27	<1	32	65	3244	5.75	20	2.96	1332	<1	0.06	41	1300	20	<5	<20	<1	0.12	<10	129	<10	21	63
30	E15719	5	<0.2	2.61	<5	30	<5	5.18	<1	30	63	679	5.55	20	3.06	1458	<1	0.05	40	1150	18	<5	<20	<1	0.12	<10	179	<10	19	62

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15720	<5	1.7	2.99	<5	25	<5	4.05	<1	33	67	4741	5.86	20	3.01	1196	<1	0.05	41	1370	22	<5	<20	<1	0.13	<10	168	<10	20	67
32	E15721	5	3.9	3.17	<5	25	<5	6.06	<1	28	63	>10000	5.57	20	2.93	1182	<1	0.04	45	1410	22	<5	<20	<1	0.06	<10	157	<10	17	63
33	E15722	10	6.7	3.22	<5	25	<5	9.55	<1	23	53	>10000	5.33	20	2.54	1106	<1	0.03	51	1390	20	<5	<20	<1	0.01	<10	172	<10	12	62
34	E15723	5	1.3	1.73	10	45	<5	5.86	<1	13	35	>10000	3.51	10	1.10	550	<1	0.03	29	1600	16	<5	<20	38	<0.01	<10	74	<10	13	35
35	E15724	5	<0.2	0.06	10	<5	<5	>10	<1	1	3	785	0.30	<10	0.08	323	<1	0.01	57	200	10	<5	<20	<1	<0.01	<10	6	<10	3	6
36	E15725	20	0.2	0.08	10	10	<5	>10	<1	2	5	2589	0.52	<10	0.16	365	<1	0.01	94	350	18	<5	<20	<1	<0.01	<10	8	<10	4	10
37	E15726	10	1.1	0.11	10	15	<5	>10	<1	2	6	9516	0.55	<10	0.18	377	<1	0.01	334	440	74	<5	<20	<1	<0.01	<10	11	<10	3	7
38	E15727	<5	2.1	0.21	<5	10	<5	>10	<1	3	7	>10000	0.59	<10	0.19	433	<1	0.01	334	620	76	<5	<20	<1	<0.01	<10	14	<10	5	12
39	E15728	<5	3.0	0.51	<5	15	<5	>10	<1	5	14	>10000	1.02	<10	0.43	566	<1	0.02	330	860	76	<5	<20	<1	<0.01	<10	29	<10	5	16
40	E15729	<5	7.3	1.27	10	20	<5	>10	<1	15	31	>10000	2.45	<10	1.08	703	<1	0.02	77	1160	16	<5	<20	<1	0.04	<10	74	<10	5	30
41	E15730	<5	0.9	2.47	5	5	<5	>10	<1	21	70	4724	3.79	10	2.08	718	<1	0.04	55	630	22	<5	<20	<1	0.05	<10	188	<10	9	44
42	E15731	<5	1.1	2.16	10	10	<5	>10	<1	20	65	5811	3.23	<10	1.91	835	<1	0.03	66	660	20	<5	<20	<1	0.02	<10	158	<10	9	39
43	E15732	5	1.9	1.94	<5	5	<5	>10	<1	18	61	8585	2.93	<10	1.86	1011	<1	0.03	71	670	22	<5	<20	<1	0.08	<10	142	<10	8	30
44	E15733	10	3.1	2.68	10	10	<5	>10	<1	29	62	>10000	5.28	10	2.43	1159	<1	0.04	46	990	22	<5	<20	<1	0.14	<10	186	<10	14	52
45	E15734	5	<0.2	2.86	<5	15	<5	6.05	<1	40	58	165	6.67	20	3.15	1214	<1	0.05	41	730	24	<5	<20	<1	0.26	<10	183	<10	19	61
46	E15735	5	<0.2	2.47	<5	5	<5	6.38	<1	38	51	194	6.33	20	2.77	1230	<1	0.05	37	730	20	<5	<20	<1	0.23	<10	151	<10	18	59
QC DATA:																														
Resplit:																														
1	E15690	10	0.3	3.24	15	15	<5	6.28	<1	33	62	3034	5.61	20	2.70	931	2	0.07	45	1100	28	<5	<20	16	0.36	<10	111	<10	21	64
36	E15725	10	0.2	0.09	10	10	<5	>10	<1	2	5	3194	0.53	<10	0.15	335	<1	0.01	347	350	84	<5	<20	<1	<0.01	<10	8	<10	5	9
Repeat:																														
1	E15690	10	0.2	3.20	5	15	<5	5.89	<1	32	62	2738	5.52	20	2.68	912	<1	0.06	43	1060	28	<5	<20	15	0.31	<10	98	<10	21	62
10	E15699	<5	<0.2	2.95	<5	10	<5	4.02	<1	32	67	430	5.81	20	3.07	1472	<1	0.06	42	1230	24	<5	<20	<1	0.08	<10	186	<10	20	67
19	E15708	15	1.5	2.90	10	10	<5	6.87	<1	26	62	4975	4.94	20	1.89	910	<1	0.07	41	1180	24	<5	<20	<1	0.17	<10	194	<10	18	47
36	E15725	20	0.3	0.09	10	10	<5	>10	<1	2	5	3067	0.56	<10	0.15	367	1	0.01	93	390	18	<5	<20	<1	<0.01	<10	9	<10	5	11
Standard:																														
GEO '04		-	1.4	1.55	55	130	5	1.50	<1	18	55	86	3.26	<10	0.90	566	1	0.03	30	610	20	<5	<20	49	0.06	<10	61	<10	8	73
GEO '04		140	1.4	1.68	60	140	<5	1.56	<1	19	60	85	3.51	<10	0.94	602	<1	0.03	31	670	22	<5	<20	46	0.10	<10	57	<10	9	71

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

JJ/kk/jm
df/684
XLS/04

Eco Tech Laboratory Ltd.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-686

Northern Hemisphere Corp. **REVISED**
15th Floor, 675 W. Hastings St. 19-Jul-04
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 46
Sample type: Rock
Project #: Kaza - Nstar
Samples submitted by: Carl Schulze

ET #.	Tag #	Cu (%)
20	E15709	2.72
21	E15710	1.20
22	E15711	0.96
23	E15712	1.06
32	E15721	1.09
33	E15722	1.43
34	E15723	1.33
38	E15727	1.46
39	E15728	1.84
40	E15729	3.75
44	E15733	1.32

QC DATA:

Repeat:

20	E15709	2.68
22	E15711	0.96

Standard:

Cu106		1.43
Cu106		1.43

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Appendix 6e: Analytical Results, DDH NS-04-05

Eco Tech Laboratory Ltd.

ASSAYING
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ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

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Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AK 2004-742

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

27-Jul-04

ATTENTION: Charlie O'Sullivan / Carl Schulze

No. of samples received: 39
Sample type: Rock
Samples Submitted by: R.E. McIntyre

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
1	E15736	<0.03	<0.001	
2	E15737	<0.03	<0.001	
3	E15738	<0.03	<0.001	
4	E15739	<0.03	<0.001	
5	E15740	<0.03	<0.001	
6	E15741	<0.03	<0.001	
7	E15742	<0.03	<0.001	
8	E15743	<0.03	<0.001	
9	E15744	<0.03	<0.001	
10	E15745	<0.03	<0.001	
11	E15746	<0.03	<0.001	
12	E15747	<0.03	<0.001	
13	E15748	<0.03	<0.001	1.02
14	E15749	<0.03	<0.001	
15	E15750	<0.03	<0.001	
16	E15751	<0.03	<0.001	
17	E15752	<0.03	<0.001	1.39
18	E15753	<0.03	<0.001	2.13
19	E15754	<0.03	<0.001	
20	E15755	<0.03	<0.001	
21	E15756	<0.03	<0.001	1.20
22	E15757	<0.03	<0.001	4.23
23	E15758	<0.03	<0.001	
24	E15759	<0.03	<0.001	

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Northern Hemisphere Corp. AK04-742 27-Jul-04

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
25	E15760	<0.03	<0.001	
26	E15761	<0.03	<0.001	
27	E15762	<0.03	<0.001	
28	E15763	<0.03	<0.001	
29	E15764	<0.03	<0.001	
30	E15765	<0.03	<0.001	
31	E15766	<0.03	<0.001	
32	E15767	<0.03	<0.001	
33	E15768	<0.03	<0.001	
34	E15769	<0.03	<0.001	
35	E15770	<0.03	<0.001	
36	E15771	<0.03	<0.001	
37	E15772	<0.03	<0.001	
38	E15773	<0.03	<0.001	
39	E15774	<0.03	<0.001	

Hole AK-04-53

QC DATA:

Repeat:

1	E15736	<0.03	<0.001	
10	E15745	<0.03	<0.001	
13	E15748			1.04
19	E15754	<0.03	<0.001	

Resplit:

1	E15736	<0.03	<0.001	
36	E15771	<0.03	<0.001	

Standard:

OX123		1.84	0.054	
OX123		1.84	0.054	
CU106				1.43

JJ/jm
XLS/04

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

26-Jul-04

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2004-742

Northern Hemisphere Corp.
15th Floor, 675 W. Hastings St.
Vancouver, BC
V6B 1N2

ATTENTION: Charlie O'Sullivan & Carl Schulze

No. of samples received: 39
Sample type: Rock
Samples Submitted by: R.E. McIntyre

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	E15736	<0.2	3.01	<5	35	<5	6.03	<1	40	79	700	6.88	20	2.91	1232	<1	0.09	45	1650	18	<5	<20	<1	0.47	<10	185	<10	20	85
2	E15737	<0.2	3.35	<5	40	<5	5.88	<1	41	78	433	6.83	20	3.18	1379	<1	0.07	49	1660	20	<5	<20	<1	0.53	<10	183	<10	23	91
3	E15738	<0.2	3.66	<5	35	<5	4.43	<1	46	86	1593	8.44	30	4.05	1586	<1	0.06	55	1900	14	<5	<20	<1	0.39	<10	302	<10	22	131
4	E15739	<0.2	3.26	<5	30	<5	4.79	<1	47	85	735	8.73	30	3.95	1495	<1	0.08	52	1910	16	<5	<20	<1	0.51	<10	291	<10	29	121
5	E15740	<0.2	2.78	<5	40	<5	4.75	<1	46	78	871	8.42	30	3.20	1551	<1	0.08	50	1830	14	<5	<20	<1	0.56	<10	293	<10	31	106
6	E15741	<0.2	2.83	<5	25	<5	7.56	<1	46	75	389	8.02	30	3.28	1476	<1	0.07	55	1730	16	<5	<20	<1	0.51	<10	288	<10	27	114
7	E15742	<0.2	2.27	<5	30	<5	8.42	<1	43	76	359	7.67	30	2.32	1119	<1	0.10	52	1730	16	<5	<20	<1	0.52	<10	257	<10	27	93
8	E15743	<0.2	3.19	5	30	<5	6.26	<1	45	80	678	8.44	30	2.77	1255	<1	0.07	54	1810	18	<5	<20	<1	0.50	<10	338	<10	26	109
9	E15744	<0.2	3.65	<5	45	<5	6.19	<1	39	83	368	6.97	20	3.12	1354	<1	0.07	51	1510	18	<5	<20	<1	0.42	<10	209	<10	21	99
10	E15745	<0.2	4.32	<5	45	<5	5.81	<1	39	75	581	6.79	20	3.29	1410	<1	0.05	52	1600	20	<5	<20	4	0.43	<10	216	<10	21	100
11	E15746	<0.2	3.73	5	45	<5	5.27	<1	35	75	330	6.54	20	2.60	1101	<1	0.07	47	1480	18	<5	<20	<1	0.34	<10	218	<10	19	85
12	E15747	<0.2	3.53	<5	50	<5	7.88	<1	34	69	817	6.32	20	2.13	970	<1	0.06	53	1420	24	<5	<20	<1	0.36	<10	186	<10	20	74
13	E15748	3.9	4.31	<5	30	<5	5.43	<1	43	85	>10000	7.54	20	4.07	1515	<1	0.06	58	1430	20	<5	<20	<1	0.51	<10	203	<10	23	107
14	E15749	1.9	3.70	<5	35	<5	3.07	<1	41	85	7349	7.66	30	3.73	1427	<1	0.08	47	1680	12	<5	<20	<1	0.41	<10	230	<10	23	98
15	E15750	3.1	3.80	<5	35	<5	2.95	<1	43	84	7890	7.39	30	3.96	1350	<1	0.09	48	1690	16	<5	<20	1	0.52	<10	213	<10	26	102
16	E15751	<0.2	3.60	<5	35	<5	3.77	<1	41	80	922	7.46	30	3.66	1380	<1	0.07	47	1530	16	<5	<20	<1	0.39	<10	222	<10	21	98
17	E15752	5.9	4.24	<5	35	<5	4.73	3	43	84	>10000	7.22	20	4.38	1456	<1	0.07	54	1290	14	<5	<20	<1	0.52	<10	193	<10	23	100
18	E15753	1.6	3.45	<5	35	<5	4.30	<1	39	83	>10000	6.54	20	3.38	1188	<1	0.10	49	1470	8	<5	<20	<1	0.54	<10	184	<10	23	84
19	E15754	3.2	3.61	<5	40	<5	3.74	<1	43	85	7730	7.40	20	3.61	1506	<1	0.09	46	1650	16	<5	<20	<1	0.53	<10	208	<10	26	97
20	E15755	1.2	3.49	<5	40	<5	4.58	<1	38	81	5626	7.09	30	3.47	1464	<1	0.09	50	1590	14	<5	<20	<1	0.38	<10	223	<10	22	95
21	E15756	3.7	3.38	<5	40	<5	3.84	<1	41	79	>10000	7.38	30	3.36	1396	<1	0.08	47	1730	12	<5	<20	<1	0.45	<10	222	<10	23	99
22	E15757	21.9	3.53	<5	40	<5	4.86	<1	39	77	>10000	7.16	30	3.61	1441	<1	0.08	48	10000	4	<5	<20	<1	0.11	<10	200	<10	22	98
23	E15758	<0.2	3.76	<5	35	<5	3.57	<1	41	89	383	7.24	30	3.91	1220	<1	0.09	49	1850	18	<5	<20	3	0.51	<10	204	<10	26	90
24	E15759	<0.2	4.06	<5	40	<5	5.68	<1	41	82	365	7.22	30	4.13	1415	<1	0.08	52	1400	16	<5	<20	<1	0.52	<10	213	<10	24	95
25	E15760	<0.2	2.84	<5	60	<5	6.21	<1	33	76	364	6.28	20	2.88	1235	<1	0.05	52	1550	10	<5	<20	<1	0.29	<10	172	<10	19	76
26	E15761	<0.2	3.32	<5	55	<5	5.66	<1	38	85	601	6.79	20	3.46	1385	<1	0.07	57	1510	16	<5	<20	<1	0.40	<10	179	<10	22	86
27	E15762	<0.2	3.37	<5	60	<5	7.05	<1	38	84	343	6.72	20	3.54	1430	<1	0.08	58	1430	18	<5	<20	<1	0.40	<10	184	<10	20	85
28	E15763	<0.2	3.16	<5	45	<5	5.54	<1	37	84	563	6.94	30	3.33	1297	<1	0.09	51	1570	14	<5	<20	<1	0.32	<10	236	<10	20	86
29	E15764	<0.2	2.89	<5	70	<5	9.09	<1	33	76	374	6.33	20	3.08	1453	<1	0.07	57	1400	16	<5	<20	<1	0.29	<10	207	<10	17	79
30	E15765	<0.2	3.34	<5	55	<5	4.38	<1	38	89	352	7.41	30	3.54	1490	<1	0.08	50	1630	12	<5	<20	<1	0.29	<10	220	<10	19	94

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	E15766	<0.2	3.56	<5	50	<5	3.63	<1	35	94	382	7.54	30	3.84	1426	<1	0.08	51	1640	10	<5	<20	<1	0.15	<10	256	<10	15	96
32	E15767	<0.2	3.39	<5	35	<5	8.40	<1	31	67	179	6.17	20	2.73	1282	<1	0.05	52	1280	12	<5	<20	<1	0.26	<10	208	<10	14	76
33	E15768	<0.2	2.56	<5	30	<5	8.83	<1	23	51	190	4.63	10	1.78	959	<1	0.05	45	950	10	<5	<20	<1	0.18	<10	168	<10	11	57
34	E15769	<0.2	2.70	<5	30	<5	7.30	<1	37	79	328	6.28	20	2.62	1202	<1	0.10	52	1570	12	<5	<20	<1	0.48	<10	194	<10	24	82
35	E15770	<0.2	4.22	<5	60	<5	4.90	<1	41	83	380	7.06	20	4.03	1514	<1	0.08	49	1460	20	<5	<20	21	0.54	<10	216	<10	25	94
36	E15771	0.2	3.94	<5	30	<5	5.77	<1	37	85	359	7.07	20	3.39	1436	<1	0.07	52	1420	16	<5	<20	<1	0.42	<10	228	<10	21	90
37	E15772	<0.2	4.19	<5	35	<5	3.64	<1	44	87	380	7.61	30	4.12	1566	<1	0.08	51	1550	20	<5	<20	<1	0.53	<10	222	<10	26	95
38	E15773	<0.2	3.73	10	25	<5	>10	<1	24	66	243	4.29	10	2.04	1005	<1	0.04	52	920	20	<5	<20	<1	0.30	<10	150	<10	12	49
39	E15774	<0.2	4.06	<5	40	<5	3.88	<1	45	92	392	7.66	30	4.01	1635	<1	0.08	53	1410	24	<5	<20	<1	0.60	<10	215	<10	28	97
QC DATA:																													
Resplit:																													
1	E15736	<0.2	3.06	<5	35	<5	6.17	<1	41	89	647	7.14	20	2.85	1266	<1	0.09	46	1600	40	<5	<20	<1	0.54	<10	188	<10	21	93
36	E15771	0.2	4.05	<5	30	<5	5.76	<1	39	80	344	7.29	20	3.49	1499	<1	0.07	52	1460	20	<5	<20	<1	0.46	<10	226	<10	22	93
Repeat:																													
1	E15736	<0.2	2.95	<5	35	<5	6.19	<1	41	80	650	7.05	20	2.83	1254	<1	0.09	47	1650	20	<5	<20	<1	0.53	<10	190	<10	21	87
10	E15745	<0.2	4.60	<5	50	<5	5.83	<1	40	76	606	6.84	30	3.48	1411	<1	0.06	54	1660	24	<5	<20	12	0.44	<10	219	<10	22	101
19	E15754	3.2	3.56	<5	40	<5	3.80	<1	43	85	7890	7.44	20	3.54	1518	<1	0.09	51	1700	16	<5	<20	<1	0.56	<10	214	<10	27	99
Standard:																													
GEO '04		1.5	1.72	60	155	<5	1.69	<1	20	65	90	3.82	<10	0.93	645	<1	0.03	34	710	22	10	<20	56	0.11	<10	60	<10	8	73
GEO '04		1.4	1.79	60	155	<5	1.68	<1	20	65	89	3.80	<10	0.92	645	<1	0.03	34	700	24	<5	<20	54	0.11	<10	60	<10	8	73

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

IJ/jm
If/742z
(LS/04

UTM 665,000m E

670,000m E

675,000m E

6,215,000m N

6,210,000m N

6,205,000m N

WILD-ROSE 4 413537

WILD-ROSE 3 413536

WILD-ROSE 2 413535

WILDROSE 413534

TLA 10 413539

TLA 9 413538

N

TLA 1 392540

TLA 11 413540

JIM #3 337671

JIM #4 337672

TLA 1 392540

JIM #1 337669

JIM #2 337670

MARS 237886

LAKE #4 330454

BOB #2 337674

TLA 2 392541

MOON 242684

BOB #1 337673

BOB #3 337675

LAKE #5 330455

LAKE #3 330453

TLA 25 413533

TLA 24 413532

TLA 23 413531

TLA 2 392541

TLA 14 413530

LAKE #2 330452

LAKE 242663

Kaza Lake

TLA 13 413541

TLA 15 413542

TLA 3 392542

TLA 16 413543

TLA4 392543

TLA 17 413544

TLA 5 392544

TLA 18 413545

TLA 6 392545

LOG 11 340384

LOG 8 330456

LOG 9 330457

LOG 1 239014

LOG 3 328483

CAMP 340383

LOG 10 330458

LOG 4 328484

K25 361687

LOG 5 328485

LOG 6 328486

MONA 1 340381

MONA 2 340382

K24 361686

LOG 7 328487

K23 361685

GARRY 406109

TLA 19 413546

TLA 22 413549

TLA 20 413547

TLA 7 392546

TED 2 411152

TED 1 411151

TLA 21 413548

SYMBOLS

- Claim line (approximate location)
- Claim post; known location, estimated location
- Road or trail; driveable, not driveable
- Stream, intermittent stream
- Lakeshore

0 2,500m

metres

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEOSCIENTIST

GEOLOGICAL SURVEY BRANCH

Compilation by

All-Terrane Mineral Exploration Services

Figure 3

Year-2004 Claim Location Map
Kaza-Northstar Project

Northern Hemisphere Development Corp.

1:50,000 Scale

NTS: 93 M/099, 94 D/009 (93 M/16, 94 D/01)
UTM Datum: NAD 27 Canada
Date: December 1, 2004
Drafting: Geological Drafting Services

671,350m E | 671,400m E | 671,450m E | 671,500m E

6,215,300m N | 6,215,250m N | 6,215,200m N | 6,215,150m N

N

NS-04-03
Az 290°
Dip -45 °

2+50E | 3+00E | 3+50E | Line 6+00N

DH 26 | DH 27 | DH 15 | DH 13 | 0.40% Cu | 4.32% Cu | 2.79% Cu | 4.32% Cu

NS-04-05
Az 180°
Dip -45°

1.14% Cu

NS-04-02 Az 110° Dip -45°
NS-04-04 Az 110° Dip -65°

DH 21 | DH 11 | DH 22 | DH 26 | DH10 | DH 5 | 1.93% Cu | Trench intercept | vertical extent of chalcocite hi-grade | chalcocite low grade | DH 11, 12 | EOH NS-04-04 | 4.29% Cu | 1.14% Cu | chalcopyrite, bornite

NS-04-01
Az 45°
Dip -45°

2+50E | 3+00E | 3+50E | Line 5+00N

chalcocite, bornite | low-grade zone | bornite and chalcopyrite | EOH NS-04-02

Discovery Trench

DH 31 | 0.83% Cu | 0.38% Cu | 1.51% Cu

671,350m E | 671,400m E | 671,450m E | 671,500m E

Figure 5

NORTHERN HEMISPHERE DEVELOPMENT CORPORATION
KAZA - NORTHSTAR PROJECT
Plan View, Holes NS-04-01 - NS-04-05 Northstar Project Area
NTS: 94 D/01 Mining District: Omineca
Datum: UTM NAD 27 Canada, Zone 9
Date: Dec. 14, 2004
Drafting: Geological Drafting Services

Scale: 1:250
0 25m
metres

Field Exploration and Compilation by
All-Terrane Mineral Exploration Services

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEOSCIENTIST

27,536

670,000m E | 671,000m E | 672,000m E | 673,000m E

6,216,000m N | 6,215,000m N | 6,214,000m N | 6,213,000m N

JIM #1 337669

JIM #2 337670

TLA 1 392540

MARS 237886

BOB #2 337674

TLA 1 392540

LAKE #4 330454

BOB #1 337673

BOB #3 337675

MOON 242664

TLA 2 392541

LAKE #5 330453

TLA 25 413533

TLA 24 413532

LAKE #3 330453

TLA 14 413530

LAKE #2 330452

TLA 3 392542

LAKE 242663

Kaza Lake

Cove Creek

Baby Creek

Brutus Creek

F. Gr. Basalt s/c

trenches F.P. Andesite

Qz vein float

NS-04-01 NS-04-02 NS-04-03 NS-04-04 NS-04-05 EOH

N

LEGEND

UNKNOWN AGE

FELSIC INTRUSIVES

7 — Granite, weakly quartz-feldspar porphyritic

CRETACEOUS

SUSTUT GROUP

6 — Tango Creek Formation (KT)

Coarse - fine grained clastic sediments
Conglomerate - sandstone, bedded and commonly hematitic

JURASSIC

HAZELTON GROUP

5 — Telkwa Formation (LJT)

Calc-alkaline basalt flows + mixed flows + pyroclastics.
Grey flows, locally feldspar porphyritic, commonly mixed with and/or interlayered with tuff, lapilli tuff

TRIASSIC

TAKLA (STUHINI) GROUP

4 — Savage Mountain Formation (uTs)
Limestone
Commonly hosting calcite veins - stockwork

3 — Fine Clastic Sediments
Siltstone, mudstone, shale, locally fine bedded, commonly calcareous

2 — Mixed Basaltic Pyroclastics & Flows
Augite porphyritic green basalt flows, mixed with and/or interlayered with tuffs to lapilli tuffs, minor agglomerates, includes fragmentals

1 — Feldspar Porphyritic Andesite
Fine grained flows, with 15 - 20% coarse euhedral plagioclase phenocrysts, commonly hematite enriched

SYMBOLS

- Fault or sheared contact zone (295 ∿ 55)
- Outcrop, rubblecrop
- Geological contact
- Trench, currently exposed (summer 2003)
- Road or trail; driveable, not driveable
- Stream, intermittent stream
- Claim line (approximate location)
- Claim post; known location, estimated location
- Boundary of clearing
- Lakeshore
- Year-2004 Diamond Drill Hole (true dip extent projected to surface) — NS-04-03

ABBREVIATIONS

And	Andesite
F.P.	Feldspar Porphyritic
F. Gr.	Fine grained
Qz	Quartz

Scale: 1:5,000
0 — 500m
metres

Field Exploration and Compilation by
All-Terrane Mineral Exploration Services

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEO SCIENTIST

Map 1a

NORTHERN HEMISPHERE DEVELOPMENT CORPORATION
KAZA - NORTHSTAR PROJECT
Year-2004 Geology Map Northstar Project Area
NTS: 94 D/01 — Mining District: Omineca
Datum: UTM NAD 27 Canada, Zone 9
Date: Dec. 14, 2004
Drafting: Geological Drafting Services

670,000m E | 671,000m E | 672,000m E | 673,000m E

6,216,000m N | 6,215,000m N | 6,214,000m N | 6,213,000m N

Cave Creek

JIM #1 337669 | JIM #2 337670 | TLA 1 392540

12+00 N | 11+00 N | 10+00 N | 9+00 N | 8+00 N | 7+00 N | 6+00 N | 5+00 N | 4+00 N | 3+00 N | 2+00 N | 1+00 N | L0+00 | L1+00 N

RE 16154 1.83K/4.3/10
RE 16155 4.58K/9.6 /150
RE 16156 3.32K/7.1/39
SM269086 189/<0.2
SM269871 99/0.3
RM 157501 114/<0.2 /<0.03 s/t
RM 157504 116/<0.2 /35
F. Gr. Basalt o/c
tranches F.P. Andesite
Qz vein float
RE 16151 7.58K/5.4 /365 Au
RM 157502 9.46%/44.7/45
RE 16152 16.3K/>30 /45
RE 16153 2.06K/1.3 /10
SE16184 159/<0.2
NS-04-01 | NS-04-02 | NS-04-03 | NS-04-04 | NS-04-05 | EOH

TLA 1 392540 | TLA 1 337545 | TLA 1 413540 | TLA 2 392541 | TLA 14 413530 | TLA 24 413532 | TLA 25 413533 | TLA 2 392542

LAKE #4 330454 | LAKE #5 330453 | LAKE #3 330453 | LAKE #2 330452 | LAKE 242663 | MOON 242661 | BOB #1 337673 | BOB #2 | BOB #3 337675

Baby Creek | Brutus Creek | Kaza Lake

L1+50 N | L0+50 N | N/S

N

SYMBOLS

- RM157502 9.46%/44.7/45 — Rock sample #, location; Cu, ppm / Ag, ppm / Au, ppb*
- SM269014 444/0.5 — Soil sample #, location; Cu, ppm / Au, ppb
- Cu in soils ≥ 200 ppm
- * Au values from certain Fire Assay techniques reported in ppm, detection limit = 0.03 ppm
- Year-2004 Flagged Line
- Road or trail; driveable, not driveable
- Stream, intermittent stream
- Lakeshore
- Claim line (approximate location)
- Claim post; known location, estimated location
- Year-2004 Diamond Drill Hole (true dip extent projected to surface) — NS-04-03

0 — 500m
metres
Scale: 1:5,000

Field Exploration and Compilation by
All-Terrane Mineral Exploration Services

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEOSCIENTIST

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT 25,539

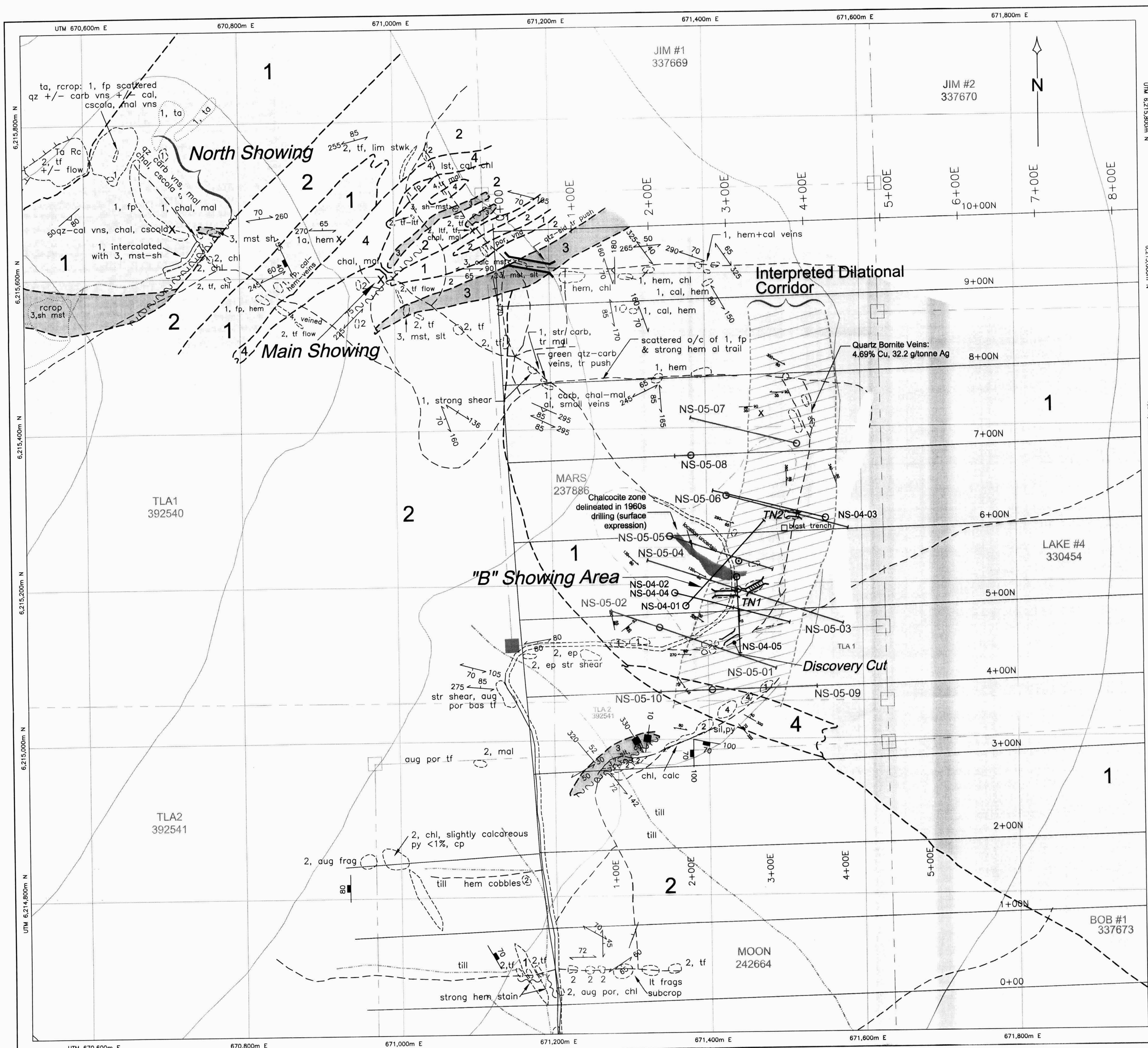
Map 1b

NORTHERN HEMISPHERE DEVELOPMENT CORPORATION

KAZA - NORTHSTAR PROJECT

Year-2004 Sample Location Map
Northstar Project Area

NTS: 94 D/01 — Mining District: Omineca
Datum: UTM NAD 27 Canada, Zone 9
Date: Dec. 14, 2004
Drafting: Geological Drafting Services



LEGEND

TRIASSIC

TAKLA (STUHINI) GROUP

4 — Savage Mountain Formation (uTs)
Limestone
Commonly hosting calcite veins - stockwork

3 — Fine Clastic Sediments
Siltstone, mudstone, shale, locally fine bedded, commonly calcareous

2 — Mixed Basaltic Pyroclastics & Flows
Augite porphyritic green basalt flows, mixed with and/or interlayered with tuffs to lapilli tuffs, minor agglomerates, includes fragmentals

1 — Feldspar Porphyritic Andesite (commonly hematite enriched)
Fine grained flows, with 15 - 20% coarse euhedral plagioclase phenocrysts

Interpreted Dilational Corridor

Chalcocite zone (1960's drilling)

≥ 200 ppm copper (select zones, 1997 survey)

SYMBOLS

- Strike & dip of bedding
- Strike & dip of foliation, including shear
- Strike & dip of vein
- Strike & dip of joint plane
- Fault or sheared contact zone
- Outcrop, rubblecrop
- Geological contact
- Trench, currently exposed (summer 2003)
- Road or trail; driveable, not driveable
- Stream, intermittent stream
- Boundary of clearing
- Lakeshore
- Drill hole
- Proposed drill hole
- Collar location, DDH 5
- Cut line (1997)
- Claim line (approximate location)
- Claim post; known location, estimated location

ABBREVIATIONS

and	Andesite
aug	Augite
bas	Basalt
bor	Bornite
cal	Calcite
calc	Calcareous
carb	Carbonate
chal	Chalcocite
chl	Chlorite
cpy	Chalcopyrite
ep	Epidote
fp	Feldspar Porphyritic
frag	Fragmental
hem	Hematite
lim	Limonite
lst	Limestone
lt	Lapilli Tuff
mal	Malachite
mst	Mudstone
por	Porphyritic
py	Pyrite
qz	Quartz
rep	Replacement
sh	Shale
slt	Siltstone
str	Strong
stwk	Stockwork
tf	Tuff
vn	Vein
vnd	Veined
wk	Weak

PROFESSIONAL
PROVINCE OF
C.M. SCHULZE
25393
BRITISH COLUMBIA
GEOSCIENTIST

Map 1c

0 — 250m
metres
Scale: 1:2,500

NORTHERN HEMISPHERE DEVELOPMENT CORPORATION

KAZA - NORTHSTAR PROJECT

PROPOSED YEAR 2005
DIAMOND DRILL HOLE LOCATIONS

Northstar Project Area

1: 2,500 Scale

NTS: 94 D/01 — Mining District: Omenica

Datum: NAD 27 Canada, Zone 9

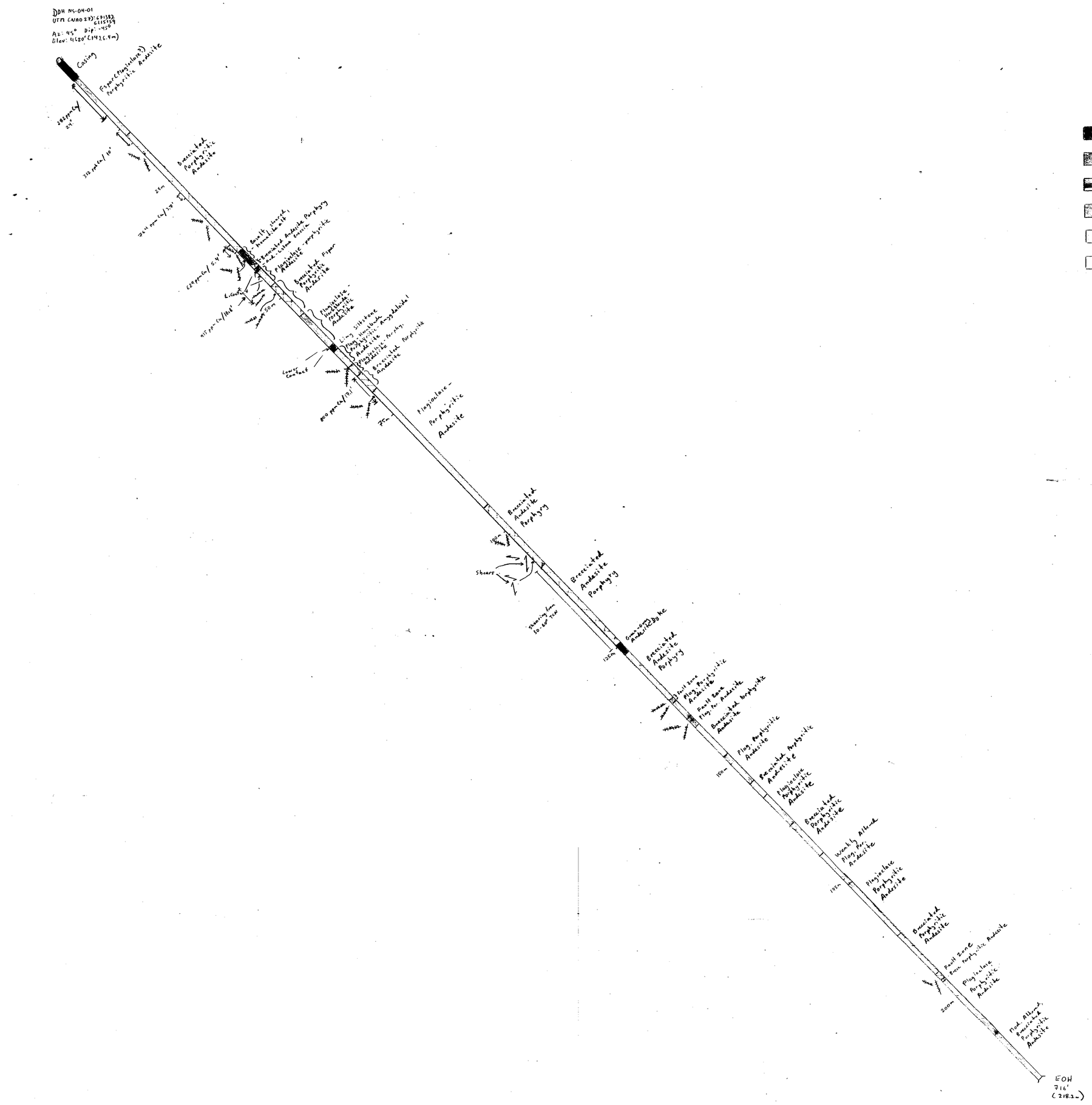
Field Exploration and Compilation by All-Terrane Mineral Exploration Services

Date: 04 Nov 18

Drafting: Geological Drafting Services

SW

NE



Legend

- Andesite Dyke
- Basalt, hematite altered (Dyke?)
- Andesite - Limestone Breccia
- Limy Siltstone
- Brecciated Andesite Porphyry
- Feldspar (Plagioclase?) Porphyritic Andesite, includes weakly - moderately altered sections

Symbols

- Fault
- Foliation or shear zone

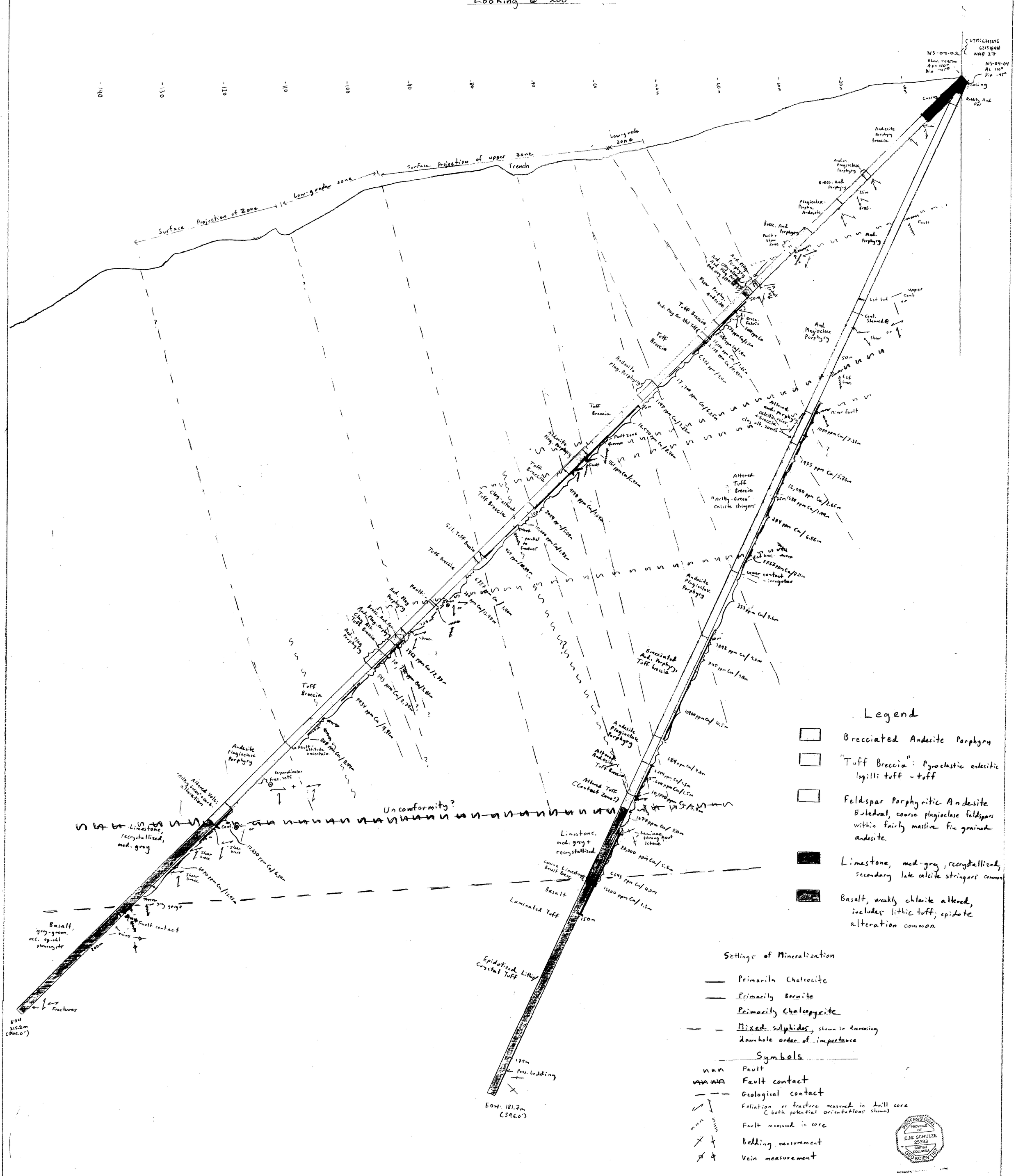
Figure 6a

Cross Section DDH NS-04-01
Looking @ 315° (NW)
Northstar Project Area
KAZA-NORTHSTAR PROJECT
NORTHERN HEMISPHERE
DEVELOPMENT CORPORATION

Scale 1:250
5 0 5 10 15
metres

Cross Section, NS-04-02 + NS 04-04

Looking @ 200°



Legend

- Brecciated Andesite Porphyry
- "Tuff Breccia": Pyroclastic andesitic lapilli tuff - tuff
- Feldspar Porphyritic Andesite Euhedral, coarse plagioclase feldspars within fairly massive fine grained andesite.
- Limestone, med-grey, recrystallized, secondary late calcite stringers common
- Basalt, weakly chlorite altered, includes lithic tuff; epidote alteration common.

Settings of Mineralization

- Primarily Chalcocite
- Primarily Bornite
- Primarily Chalcopyrite
- Mixed sulphides, shown in decreasing downhole order of importance

Symbols

- Fault
- Fault contact
- Geological contact
- Foliation or fracture measured in drill core (both potential orientations shown)
- Fault measured in core
- Bedding measurement
- Vein measurement

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEOSCIENTIST

Figure 6.8

Cross Section, DDH NS-02-02 + NS-02-04
Looking at 200° (SSW)
NORTHSTAR PROJECT AREA,
KAZAN-NORTHSTAR PROJECT
NORTHERN HEMISPHERE
DEVELOPMENT CORP.

Scale: 1:250

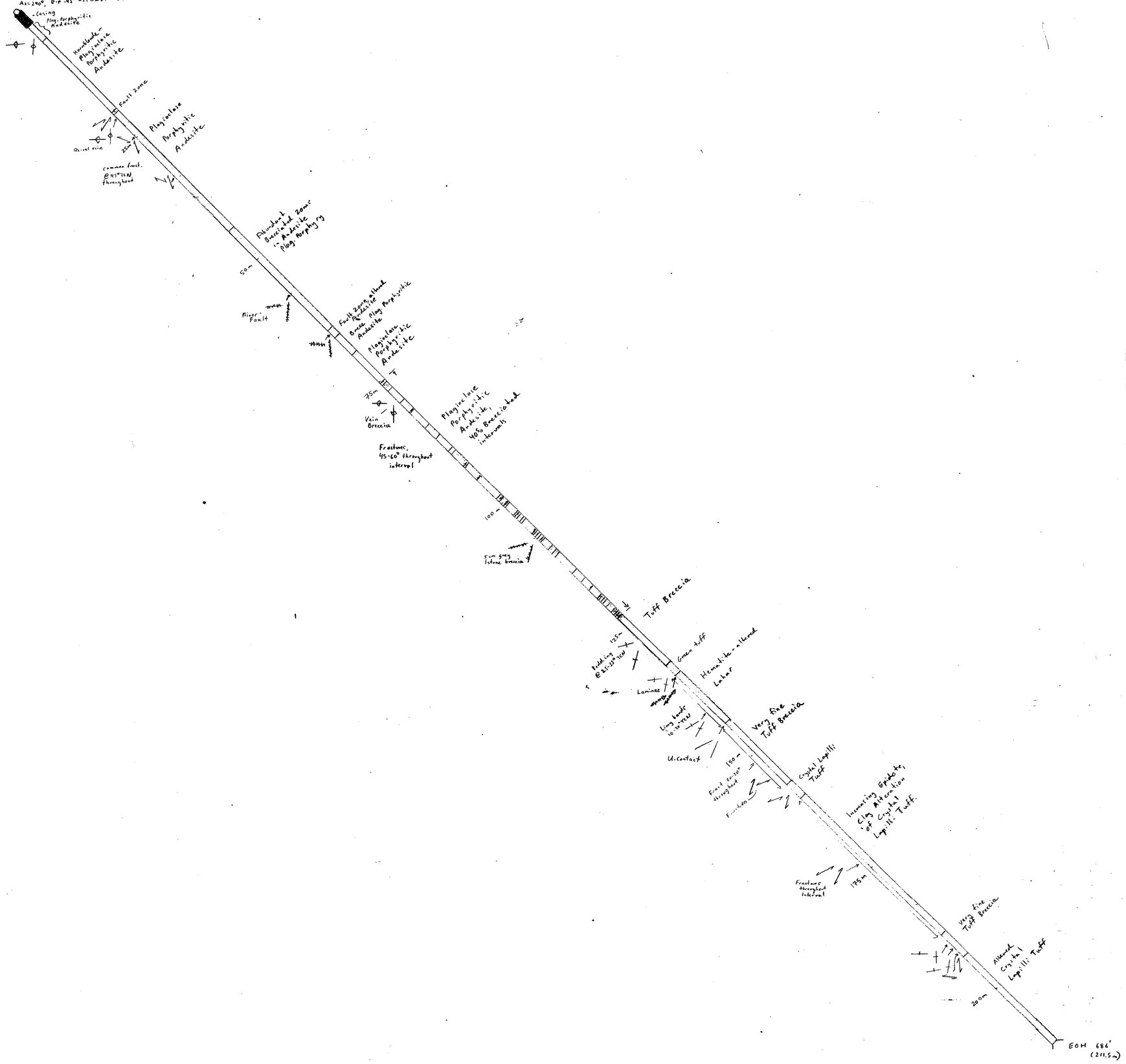
5 0 5 10 20
metres

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

110°

290°

DDH NS-04-03
UTM(Nad 27): 671596
Az=290°, Dip=45° 6215281 Elev: 1391.4m



Legend

- Altered Crystal Lapilli Tuff
- Crystal Lapilli Tuff
- Tuff Breccia
- Brecciated Fspar Porphyritic Andesite
- Plagioclase-porphyritic Andesite, incl. altered Andesite

Symbols

- Fault
- Foliation, shear, fracture
- Bedding, laminae
- Vein, narrow skarn band

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393

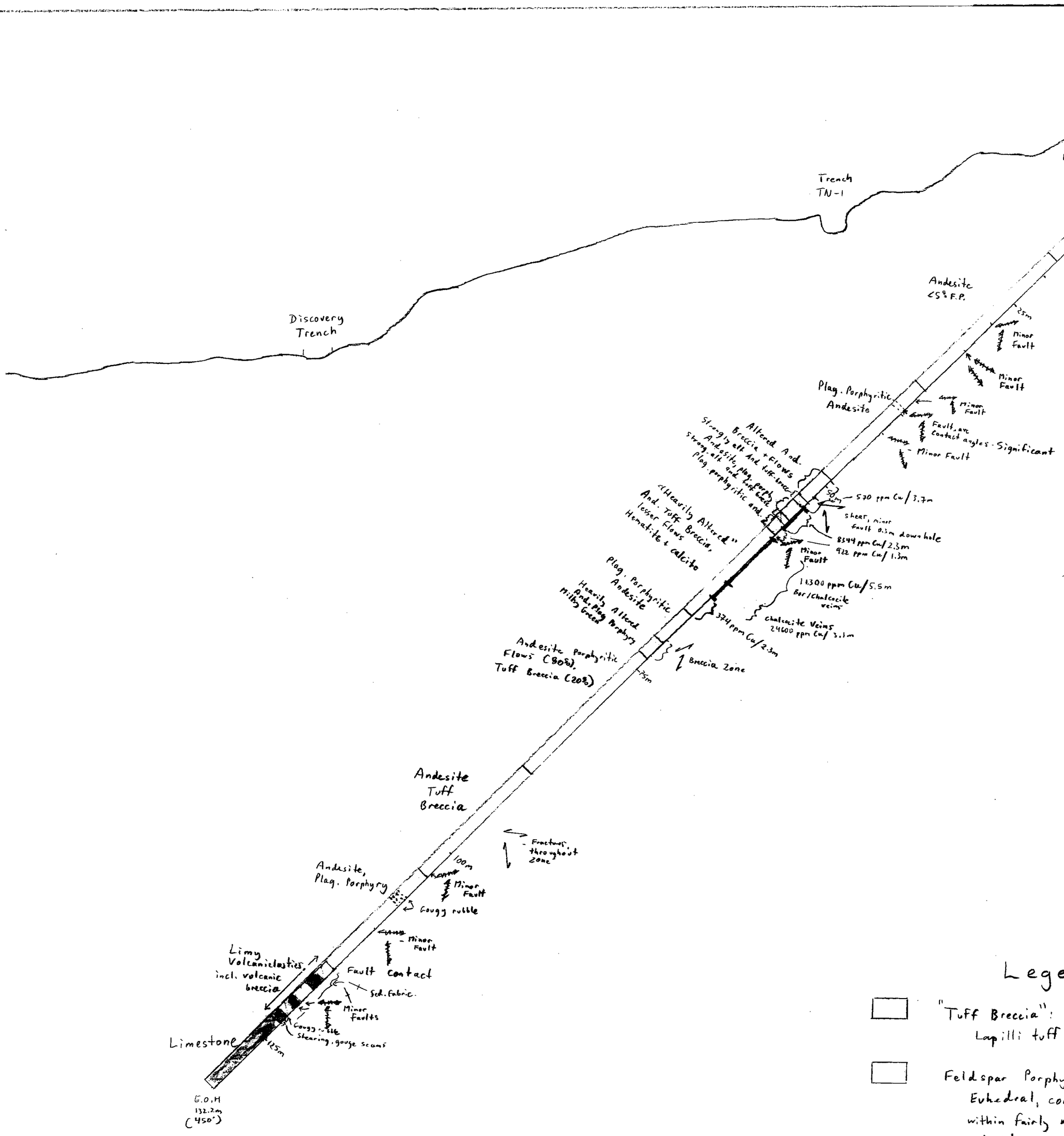
GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

Figure 6c

Cross Section DDH NS-04-03
Looking @ 200° Bearing (SSW)
Northstar Project Area
KAZA - NORTHSTAR PROJECT
NORTHERN HEMISPHERE DEVELOPMENT CORP.

Scale: 1:250

5 0 5 10 15 20
metres



Legend

- "Tuff Breccia": Pyroclastic andesite Lapilli tuff to tuff
- Feldspar Porphyritic Andesite Euhedral, coarse plagioclase feldspars within fairly massive, fine grained andesite
- Limy Volcaniclastics Varies from fine grained, sandy texture to volcanic breccia. Increasing lime content with depth
- Limestone Medium grained, likely recrystallized, Hosts white calcite stockwork.
- Chalcocite Veins
- Bornite-chalcocite Vein Zone
- Shear or fracture planes, both possible core angles shown
- Fault zones, mineral zones where indicated
- Banding, lamination

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA C.M. SCHULZE 25393 GEOSCIENTIST

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT 15,090

Figure 6d

Cross Section: DDH NS-04-05 Looking W (270°)

Northstar Project Area

KAZA - NORTHSTAR PROJECT

Northern Hemisphere Development Corporation

Scale: 1:250

5 0 5 10 20

metres