

# NORTHERN HEMISPHERE

## DEVELOPMENT CORPORATION

*Two Unique Mineral Properties in Northern British Columbia*



(PAC '02)  
TOS → KAZA

## THE KAZA PROPERTY

A copper, gold and silver prospect in Northern British Columbia

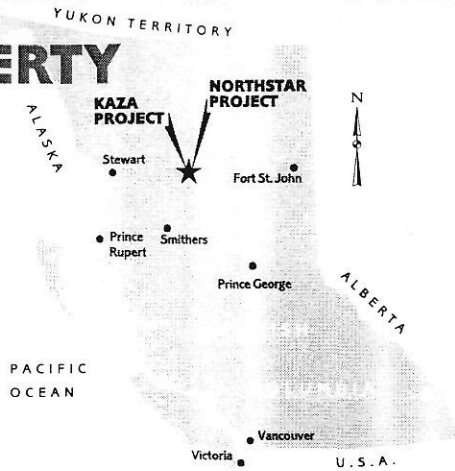
The Kaza Property is a copper, gold and silver prospect located west of the Caribou Heart Range west of Fort St. John in northern British Columbia, approximately 30 kilometres north of Takla Lake. The property was initially staked in the 1960's to cover copper mineralization discovered on a broad knoll on the east side of Lion Creek. Subsequent exploration programs focused on base metal potential of the main showings.

Everest Mines and Minerals Ltd. Completed soil geochemical sampling, geophysical surveys and trenching on the property in the summer of 1997. Geophysical work consisting of induced polarization, Geotronics Surveys Ltd carried out resistivity and magnetometer surveys.

### Location, Access and Physiography

The Kaza Property lies west of the Caribou Heart Range about 115 kilometres northeast of Hazelton, on the east side of Lion Creek, six kilometres south of Kaza Lake. The geographic coordinates are 55 degrees 58' north latitude and 126 degrees 19' west longitude.

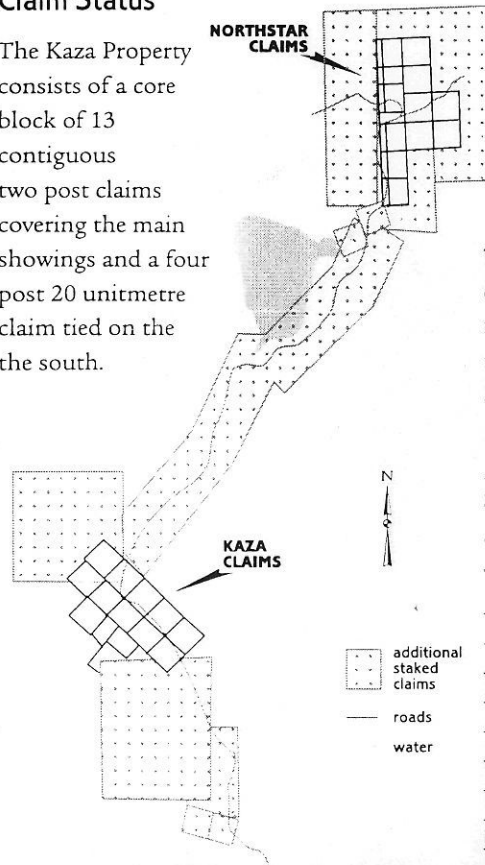
A network of well maintained logging roads follow the Driftwood river valley north of Lovell Cove on Takla Lake. Access to the property is from a seven kilometre cat road, which connects the property to the logging road and was upgraded in 1997. Alternative access may be gained by floatplane to nearby Kaza Lake or helicopter from the logging camp at Lovell Cove. The main showings



are on a broad hillside just east of Lion Creek and north of the confluence with Kaza Creek. The rivers meander in valleys of low relief where the average elevation is approximately 1150 metres. The area was the site of a forest fire 30 years ago, and much of the vegetation has grown back as low-lying scrub and poplar trees.

### Claim Status

The Kaza Property consists of a core block of 13 contiguous two post claims covering the main showings and a four post 20 unitmetre claim tied on the the south.



### Trenching

A total of eight trenches were excavated for a combined total of 350 lineal metres over areas of highly anomalous soil geochem. Some trenches were excavated to trace the subsurface trend of mineralization discovered in previous trenches.

Trenches K-T-7 and K-T-8 intersected massive sulphide bearing zones 10.5 to 23 metres wide aligned parallel to 120 degree shears. Shear orientation associated with the main mineralized zone is variable striking 110 degrees in trench K-T-2 and changing to 175 degrees in K-T-3 always with steep to vertical dips. Chalcopyrite-pyrite-magnetite mineralization approaches 60 to 70% sulphides in K-T-7 and is closely associated with a nearly limestone bed. A number of late felsic dykes have been identified cutting the host porphyritic andesite unit, which may have displaced or redistributed mineralization along shears.

The best assays were returned from continuous chip samples taken in K-T-7 from within and adjacent to the magnetite bearing shear. A weighted average of assays from this trench returned 1.70 g/tonne gold and 7958 ppm copper across 7.5 metres. Significant assays of trench intersections are tabulated here:

Trench	Width (m)	Au g tonne	Cu
K-T-1	3.0	1.36	247 ppm
K-T-1	1.0	2.47	1316 ppm
K-T-2	1.0	2.56	5377 ppm
K-T-2	3.0	2.04	219 ppm
K-T-3	1.5	1.34	2623 ppm
K-T-4	1.0	1.42	731 ppm
K-T-7	7.5	1.70	7859 ppm
K-T-8	2.0	1.57	1.73%

→ RIVER

# Northern Hemisphere Development Corporation

(NHD - TSX Venture Exchange)

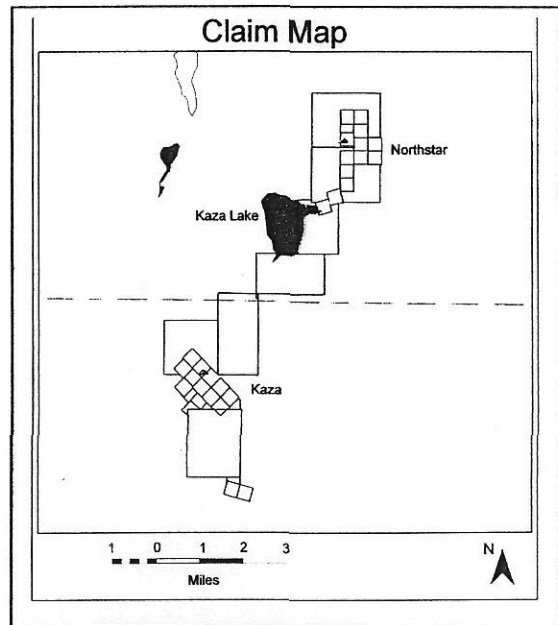
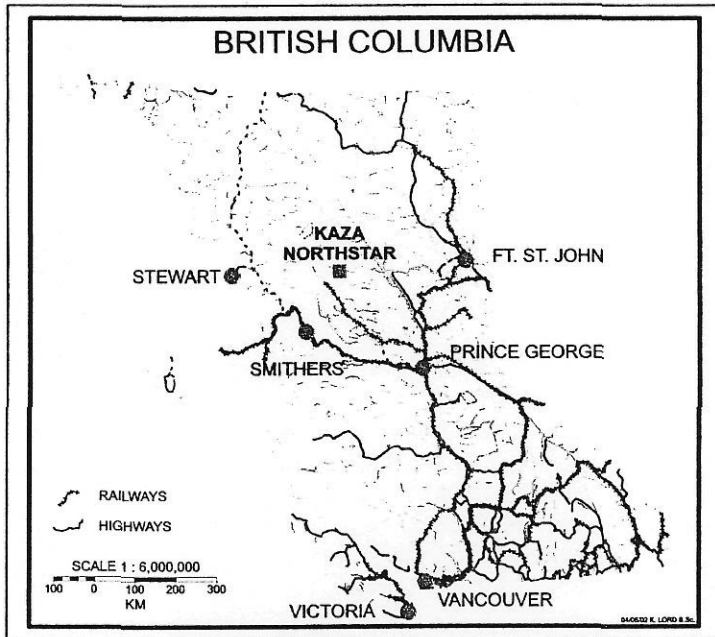
VOB → KAZA  
June 6/02

## NEW ACQUISITIONS

Northern Hemisphere optioned the Kaza and Northstar properties in March 2002 for a 100 % interest subject to a 3% NSR. Recent staking has connected the two properties to provide a single property comprised of 3,725 hectares (149 units). The property is located in Northern B.C. 150 km north of Smithers and is road accessible from Bulkley House, a community situated along the B.C. Railroad line at the North end of Takla Lake. This line provides significant transportation services for the logging industry to the north. The Kaza and Northstar were originally staked in the 1960's and have seen very little exploration over the past 25 years.

- IP chargeability anomalies correlate with gold and copper in soil samples and extend beyond the end of the one-kilometer grid.
- Significant Trench Results:

Trench	Width(m)	Aug/t	Cu ppm
K-T-1	3.0	1.36	247
K-T-1	1.0	2.47	1,316
K-T-2	1.0	2.56	5,377
K-T-2	3.0	2.04	219
K-T-3	1.5	1.34	2,623
K-T-4	1.0	1.42	731
K-T-7	7.5	1.70	7,859
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## THE KAZA

- A Copper-Gold-Silver-Zinc prospect with spectacular trench values.
- Elevation of 1150 meters.
- Work completed – line cutting, soil sampling, ground Induced Polarization (IP), magnetics, geological mapping, 350 feet of trenching and 10 drill holes.
- Felsite dykes cutting limestone and porphyritic andesite.
- Chalcopyrite-pyrite-magnetite mineralization in shears and as skarns, trend 110° to 180°.

## THE NORTHSTAR

- A Copper-Silver prospect with spectacular trench and drill hole values.
- Elevation of 1400 meters.
- Work completed – line cutting, soil sampling, ground Induced Polarization (IP), magnetics, Geology, 350 feet of cat trenching and 8,789 feet of AQ diamond drilling.
- Mineralization – chalcocite-bornite veins within a breccia. The breccia fragments are feldspar porphyry within the Takla volcanic rocks, strike approximately 180°.

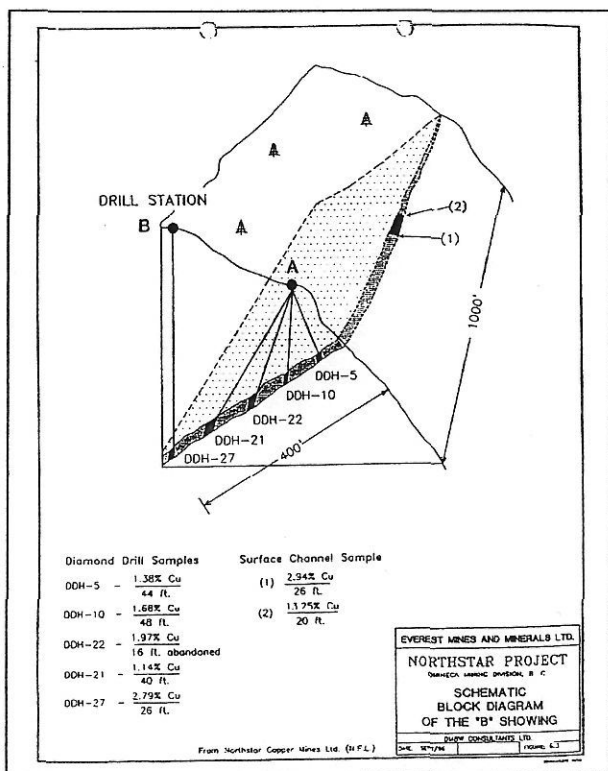
Kaza and Northstar Properties Copper-Silver-Gold-Zinc  
NHD TSX Venture Exchange

• **Significant trench results are:**

Trench	Width (m)	Cu %	Ag g/t	Au 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	

• **Significant drill hole results are:**

Drill Hole	Width (m)	Cu %
5	15.0	1.38
7	20.0	0.64
10	16.0	1.68
12	2.0	1.52
13	2.5	0.40
19	0.3	0.85
20	3.0	0.28
21	13.0	1.14
22	5.0	1.97
23	12.0	1.50
25	2.0	4.29
26	3.0	4.32
27	8.0	2.79
31	9.0	1.51
31	5.0	0.83



**2007 EXPLORATION PLANS**

Northern Hemisphere proposes the following program:

- Re-establish and extend the gridlines for additional IP geophysical and soil sampling surveys; and
- Geological mapping; and
- 3000 to 5000 feet of diamond drilling

**OTHER ASSETS**

- Northern Hemisphere owns 52% interest in the Sunrise Deposit, Northwest Territories. It is a volcanogenic massive sulphide deposit with mineral estimation of 2.06 million tons grading 9.0% Zn, 4.0% Pb, 0.1% Cu, 400 g/t Ag and 0.9% Au; and
- A 50 % interest is held in the Elk Property, a past producing Tantalum and Lithium property, Great Slave Lake in the Northwest Territories.

**Corporate Information**

- **Directors:**  
Charlie O'Sullivan, Chairman  
Frank Callaghan, President  
Ken Maddison  
Alan Crawford  
Frank Bradley, CFO
- **Technical Team:**  
Godfrey Walton, VP of Exploration
- **Head Office:**  
305 - 455 Granville Street,  
Vancouver, British Columbia  
V6C 1T1, Canada  
Tel: 604 685 9255  
Fax: 604 669 3041
- **Share information:**  
Symbol NHD TSX Venture Exchange  
Outstanding - 5.88 million  
Fully diluted - 6.3 million

**FINANCING - TERMS OF OFFERING**

- Unit price is \$0.15 comprised of 1 share plus 1/2 warrant - 75% of the offering is BC Super flow-through eligible.
- 1 Full Warrant exercise price- \$0.25 for 2 years.

Agent: **Wolverton Securities Ltd**  
Attention: **Dorothy Hoffert**  
Tel: **(604) 662 5271**  
Email: **dorothy@wolverton.ca**  
Address: **17<sup>th</sup> Floor 777 Dunsmuir Street,  
Vancouver, British Columbia, V7Y 1J5**

TGS -> KAZA

# Northern Hemisphere Development Corporation

(NHD - TSX Venture Exchange)

## The Company

May 23/02

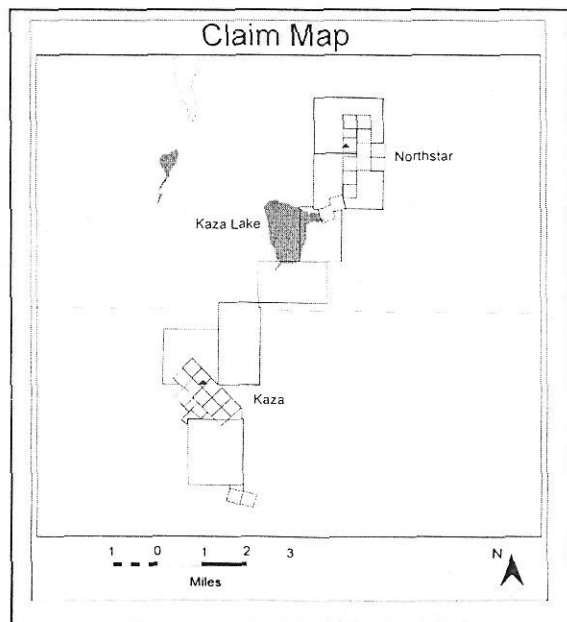
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## Exploration Highlights

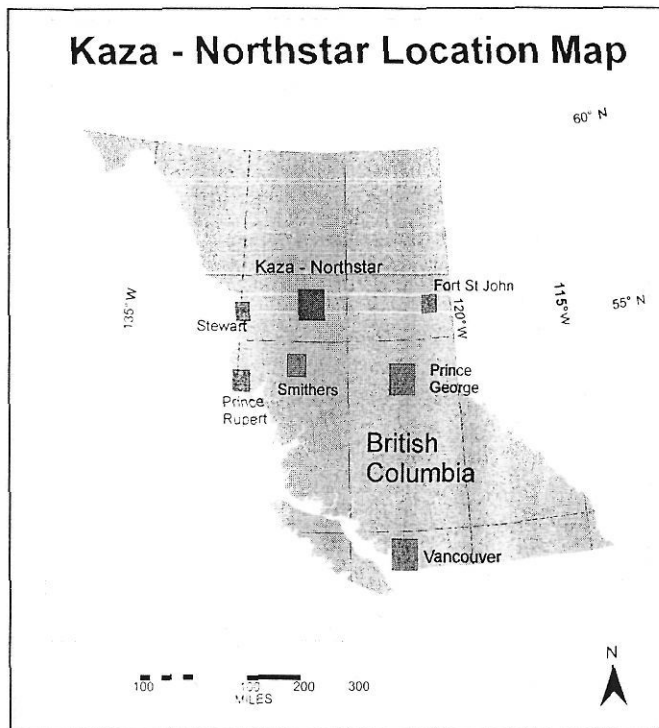
- Sunrise earned a 52% interest.
- Sunrise's Mineral Estimation in all categories is 2.06 million tons grading 9.0% Zn, 4.0% Pb, 0.1% Cu, 400 g/t Ag, 0.9 g/t Au.
- Kaza and Northstar 100% interest subject to a 2% NSR.
- Kaza is Copper - Gold - Silver - Zinc prospect with spectacular trench values.
- Northstar is a Copper - Silver prospect with spectacular trench and drill hole values.
- Both Properties are road accessible.
- Kaza and Northstar are in the Porphyry Copper belt.

## 2002 Exploration Plans

The Company will re-establish and extend the grids for geophysical testing of the mineralized area with EM, expansion of the IP, magnetics and soil sampling. Drilling of previously identified and new targets will follow the groundwork.



## Kaza - Northstar Location Map



## Properties

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- Elevation of 1150 meters
- Work completed - line cutting, soil sampling, ground Induced Polarization (IP), magnetics, Geology, 350 feet of trenching and 10 drill holes.
- Felsite dykes cutting limestone and porphyritic andesite.
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**Kaza and Northstar Properties Copper-Silver-Gold-Zinc**  
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# Northern Hemisphere Development Corp.

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TGS → Northstar  
→ Kaza

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**TSX Venture Exchange**  
**Trading Symbol:** "NHD"

July 13, 2004

## News Release 04-07

### Discovery Hole: 0.55% Copper across 453.7 feet at Kaza-Northstar Project

The Board of Directors of Northern Hemisphere Development Corp.(the "Company"), wish to report that an interval of 0.55% copper across 453.7 feet (138.3m) was returned from drillhole NS-04-02. Included within this interval are a number of intercepts that assayed between 1%-2% copper (see table below). This interval which consisted of disseminated and fracture-controlled bornite and chalcopyrite mineralization within feldspar porphyritic andesite and underlying limestone, was returned from the second of five holes drilled on the Northstar area of the Kaza-Northstar Project located northwest of Fort St James, British Columbia, Canada. The ongoing program consists of an initial phase of ten holes, five on each of the Northstar and Kaza Project areas respectively, for a total of 6200 feet (1890-metres).

Northstar Drill results are as follows:

Interval (feet)		Length (ft)	Length (m)	% Copper
167.5 – 621.2		453.7	138.3	0.55%
Includes:	189.5 – 274.5	85	25.9	1.17%
	211.0 – 226.0	15	4.6	2.13%
	247.5 – 262.1	14.6	4.4	2.37%
Includes:	292.8 – 340.0	47.2	14.4	0.60%
Includes:	418.4 – 505.4	87	26.5	0.52%
Includes:	550.0 – 621.2	71.2	21.7	0.91%

This 453.7-foot interval includes two short unsampled segments totaling 40.6 feet (12.4m) that have been tentatively assigned nil copper values. These segments have since been sampled with results pending, possibly resulting in a slight increase in the overall copper grade.

Additional portions of Hole NS-04-01 have been selected for sampling based on visual evidence of structural preparation and/or copper mineralization. Grade and tenor of mineralization will be calculated following receipt of results. Results from Holes NS-04-03 through NS-04-05 are pending.

Drilling will commence immediately on the Kaza area, focusing on “skarn” and replacement-style mineralization along the north-northwest trending “Main Zone”, having a minimum strike length of 500m. Past drilling returned values to 1.17% copper, 14.4 g/tonne (0.46 opt) gold and 120.0 g/tonne (3.9 opt) silver across 1.2 metres. This zone is coincident with previously defined IP-resistivity and chargeability anomalies; year-2003 IP surveying results suggest significant strike extension potential.

The 2004 program will also target the east-southeast trending “Hornblendite Zone”, consisting of a distinct alteration and mineralization setting identified during Northern Hemisphere’s year-2003 surface program. Rock grab and composite grab sampling returned consistently very high values, including: 3.08% copper, 11.70 g/t gold and 67.0 g/t silver; 1.26% copper, 10.60 g/t gold and 24.7 g/t silver; and 1.76% copper, 6.37 g/t gold and 23.1 g/t silver. Past IP surveying revealed a coincident and pronounced chargeability anomaly. High copper-gold values obtained from earlier trenching have recently been confirmed to originate from Hornblendite Zone mineralization.

Surface exploration in 2004 led to the discovery of several chalcopyrite and bornite-bearing skarn outcrop, rubblecrop and proximal float occurrences in the interpreted intersection area of the Main Skarn and Hornblendite Zones. Results of several composite grab and grab samples of these are pending. Additional copper occurrences have also been located near drill targets along the Hornblendite Zone.

Since the beginning of the year the Company constructed and winterized a 20 person camp, refurbished 13 km of road and installed a number of bridges and culverts to provide year-round access. The Company is preparing for a further aggressive drilling program following this initial phase.

Drill core was logged, photographed and cut in half on site. One-half of the NQ diameter core was shipped to Eco Tech Laboratory Ltd. in Kamloops, B.C. Repeat assaying was done on numerous samples to ensure accuracy of the assaying process.

This News Release was reviewed by Carl Schulze, BSc, PGeo, the Qualified Person for this Kaza Northstar Project, as required in accordance National Instrument 43-101.

On Behalf of the Board of Directors

J. Frank Callaghan  
President

*This News Release* contains forward-looking statements regarding the timing and content of upcoming programs. Actual results may differ materially from those currently anticipated in such statements. The TSX Venture Exchange has neither approved nor disapproved of the information contained herein.