

MAP NO.:	ASSESSMENT REPORT	X	DOCUMENT NO:	092727
105 G 12	PROSPECTUS		MINING DISTRICT:	Watson Lake
	CONFIDENTIAL	X	TYPE OF WORK:	GEOCHEMICAL, GEOLOGICAL
	OPEN FILE			GEOPHYSICAL

REPORT FILED UNDER:	Northern Dynasty Explorations Ltd.		
DATE PERFORMED:	May 11 - Sept. 15, 1988	DATE FILED:	May 9, 1989
LOCATION:	LAT.: 61 <sup>0</sup> 42'N	AREA:	Hoole River
	LONG.: 131 <sup>0</sup> 45'W	VALUE \$:	23,400.00
CLAIM NAME & NO.:	LUG 1-78 YB12097-100, YB14001-16, YB14165-222		

WORK DONE BY:	G. Gorzynski
WORK DONE FOR:	Northern Dynasty Explorations Ltd.

DATE TO GOOD STANDING:	REMARKS: #28 PUP
	Geological mapping (1:5000 scale), soil geochemical, magnetometer and EM surveys were performed. Gold-arsenopyrite-bearing silicified Cambrian schist occurs just north of the property. In the same area, anomalous gold is associated with pyrite-chalcopyrite lenses in similar rock. Disseminated galena-sphalerite occur in Cambrian limestone on the property.



May 11, 1989

The Mining Recorder  
Watson Lake Mining District  
P. O. Box 269  
Watson Lake, Yukon  
YOA 1C0

Dear Madam:

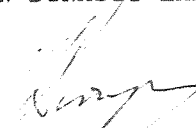
Re: LUG 1-78 and LION 1-30 Claims - Assessment Reports

Thank you for your call on the defects in the above-referenced assessment filings. In respect of the LUG claims, all the work claimed was carried out after the latest Recording Date of 20 June, 1988, as substantiated by the supporting invoices submitted. Assay data from May was included in the report for technical reasons, but the costs were not claimed for assessment. The date on Form 4 under paragraph 2 therefore should have been since the 20th June, 1988 and not 11 May as shown. Similarly, under paragraph 3 on Form 4, the Work Periods should read August 20 - September 8, 1988 and September 12 - December 8, 1988. We apologise for the miscalculation in fees submitted and enclose an additional cheque for \$620 to bring the total to \$1,195 (5 groups x \$5 and 78 claims x 3 years x \$5) to be applied to the LUG filing.

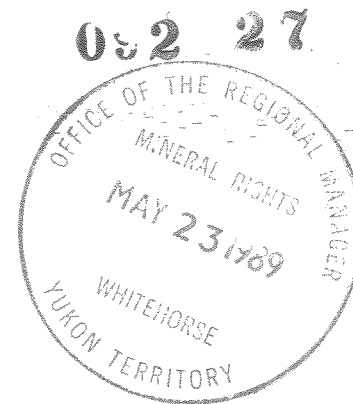
With respect to the LION claims, we were mistakenly under the impression that work from the staking date was acceptable for assessment work and will await your decision on the acceptability of the drafting and report preparation, and submit fees as requested.

Yours truly,

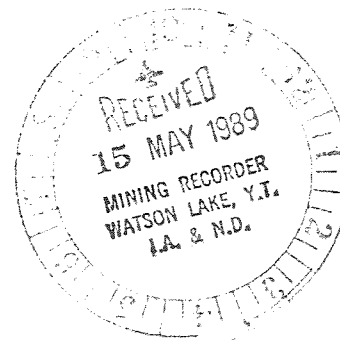
NORTHERN DYNASTY EXPLORATIONS LTD.

  
J. Glenn Simpson, President

JGS/ck  
Encl.



082 27



Northern Dynasty  
Explorations Ltd.

New Dynasty  
Mines (U.S.), Inc.

844 West Hastings Street  
Vancouver  
British Columbia  
V6C 1C8  
(604) 682-3727

Confidential to 1 April 1991

92727

YUKON JOINT VENTURE

LUG PROPERTY

Claims Lug 1 to Lug 78

1988 SUMMARY REPORT

GEOLOGY, GEOCHEMISTRY, AND GEOPHYSICS

Prepared for:

Northern Dynasty Explorations Ltd.

Written by:

George Gorzynski, M.A.Sc., P.Eng.

Watson Lake Mining District  
Claim Map - 105 G/12 Starr Creek

Yukon Exploration Incentive Program Designation Number EIP 88052

131°45' W longitude / 61°42' N latitude

May - December, 1988

SUMMARY

Northern Dynasty Explorations Ltd. holds the Lug Property comprising 78 contiguous claims southeast of Ross River, Yukon. The property covers projected extensions of gold-arsenopyrite and gold-copper mineralization recently discovered just north of the property. This report discusses the results of the 1988 field program which included geological mapping, geochemical sampling, ground magnetic surveying, and electromagnetic (EM-16) surveying.

- Program Results:
1. Geological evidence indicates that the Hoolio Creek Gold Occurrence structural horizon extends onto the Lug Property.
  2. Several small pyrite-chalcopyrite occurrences with anomalous gold values were found near the property in Cambrian schists.
  3. A small galena-sphalerite occurrence was found on the property in Cambrian limestone.

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(SCALE 1:5000)

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## LUG PROPERTY

### 1988 Summary Report

#### 1.0 Background Information

##### 1.1 Introduction

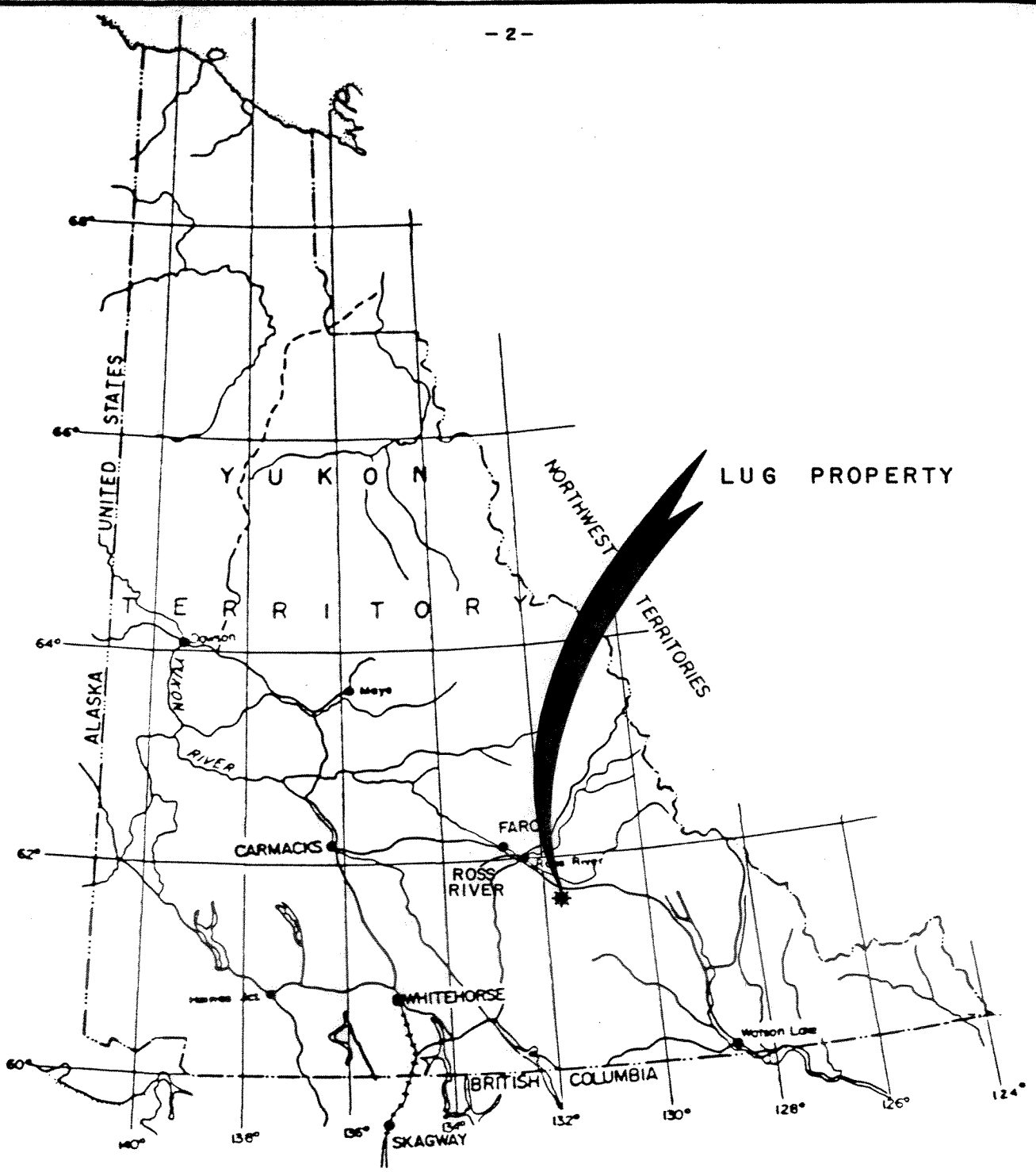
The Lug Property is in the southcentral Yukon. It comprises 78 contiguous claims held by Northern Dynasty Explorations Ltd. in trust for the Yukon Joint Venture. The claims cover projected extensions of newly discovered gold mineralization located just north of the property. The 1988 program included preliminary geological, geochemical and geophysical surveys designed to evaluate the gold potential of the property.

##### 1.2 Location and Access

The Lug Property is located 50 km (30 mi) southeast of the town of Ross River in the Yukon Territory (Fig. 1). The centre of the property is located at 131°40' W longitude/ 61°41.5' N latitude on N.T.S. sheet 105 G/12. Access to the property is via a 6 km (4 mi) bulldozer road which leaves the Robert Campbell Highway 45 kilometres east of Ross River and just west of the Hoole River bridge. Access is also available by helicopter from the TransNorth Helicopter Base in Ross River.

##### 1.3 Physiography

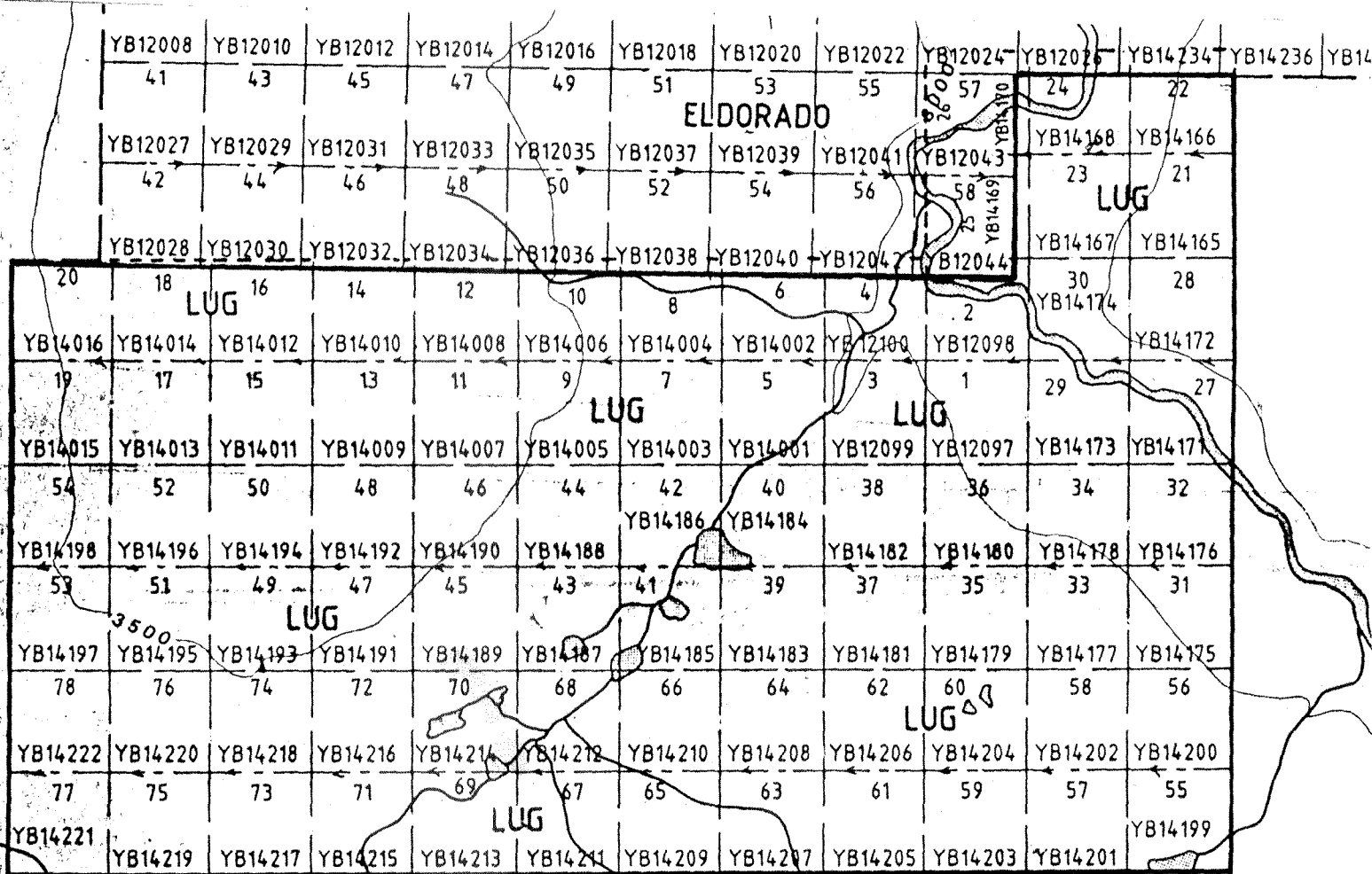
Most of the property is characterized by low sand and boulder till hills of the Pelly Plateau. Tiered benches and gullies with steep slopes up to 40 m high found near the Hoole River and its tributary creeks (Plate 1). Bedrock exposure on the property is sparse and mainly found along these erosion slopes. Elevation on the property ranges 880-1160 m (2900-3800 ft) above sea level. Vegetation on the property mainly consists of open stands of dwarf black spruce with local patches of alders and muskeg.



YUKON JOINT VENTURE  
NORTHERN DYNASTY EXPLORATIONS LTD.  
LUG PROPERTY

LOCATION MAP

1 inch = 100 miles



YUKON JOINT VENTURE  
 NORTHERN DYNASTY EXPLORATIONS LTD.  
**LUG CLAIMBLOCK**

NTS 105 G/12 STARR CREEK

SCALE 1 : 30000

MAY - SEP 1988

FIGURE 2

#### 1.4 Claim Status and Titles

The Lug Property is located in the Watson Lake Mining District. It comprises 78 contiguous claims consecutively named Lug 1 to Lug 78 (Fig. 2). Expiry dates are as follows :

Lug 1 to 20	May 31, 1989.
Lug 21 to 78	June 20, 1989.

The claims are owned by Northern Dynasty Explorations Ltd. (Appendix 1).

#### 1.5 Personnel and Survey Dates

The field work described in this report was conducted in several phases between May 11 and September 15, 1988. Report writing and drafting were done during November and December, 1988. A detailed list of personnel involved on the project and survey dates is in Appendix 2.

#### 1.6 History

- 1958-59: Wheeler et al. (1960) mapped the Finlayson Lake map sheet (NTS 105G) at a scale of 1"=4 mi. for the Geological Survey of Canada.
- 1961: An airborne magnetic survey was carried out by the Geological Survey of Canada (1961) over map sheet 105G as part of a regional series of surveys.
- 1958-76: Various Geological Survey of Canada mapping projects on the Finlayson Lake (105G) and Quiet Lake (105F) map sheets were carried out and compiled by Templeman-Kluit (1977).
- 1987: The Geological Survey of Canada (1988) conducted a regional stream sediment and water geochemical survey over map sheet 105G. A weak coincident gold-arsenic anomaly was detected at the mouth of Hoolio Creek.
- 1988: The Hoolio Creek gold-arsenopyrite showing located just north of the property, was discovered by Northern Dynasty prospectors during follow-up of a heavy minerals Au-As anomaly at the mouth of Hoolio Creek.

## 2.0 Geology Report

### 2.1 Introduction

Geological mapping on the Lug Property was mainly conducted along claimlines and drainages (Plate 1). Sparse outcrop and typically poor geophysical responses made delineation of the geology difficult and uncertain over much of the property.

### 2.2 Regional Geology

The property is located in the Yukon Tannana Terrane ten kilometres north of the Tintina Fault on the Finlayson Lake map sheet (105G). The sericite schists, chlorite schists, and lesser limestones found on the property (units Cs2, Cs1, C1 - Plate 1) belong to unit 'A' of Wheeler et al. (1960) and probably are part of unit PPK3 of Templeman-Kluit (1977). Wheeler et al. (1960) correlate these lithologies with a variety of biotite schists, chlorite schists and quartzites of probable Cambrian age over a part of the southeastern Yukon. The Tertiary volcanics (unit Bm - Plate 1) belong to unit '11' of Wheeler et al. (1960) and unit QTvb of Templeman-Kluit (1977), and have been described in some detail by Jackson et al. (1986). These volcanics vary from mafic to locally felsic and are found in small patches over this part of the region.

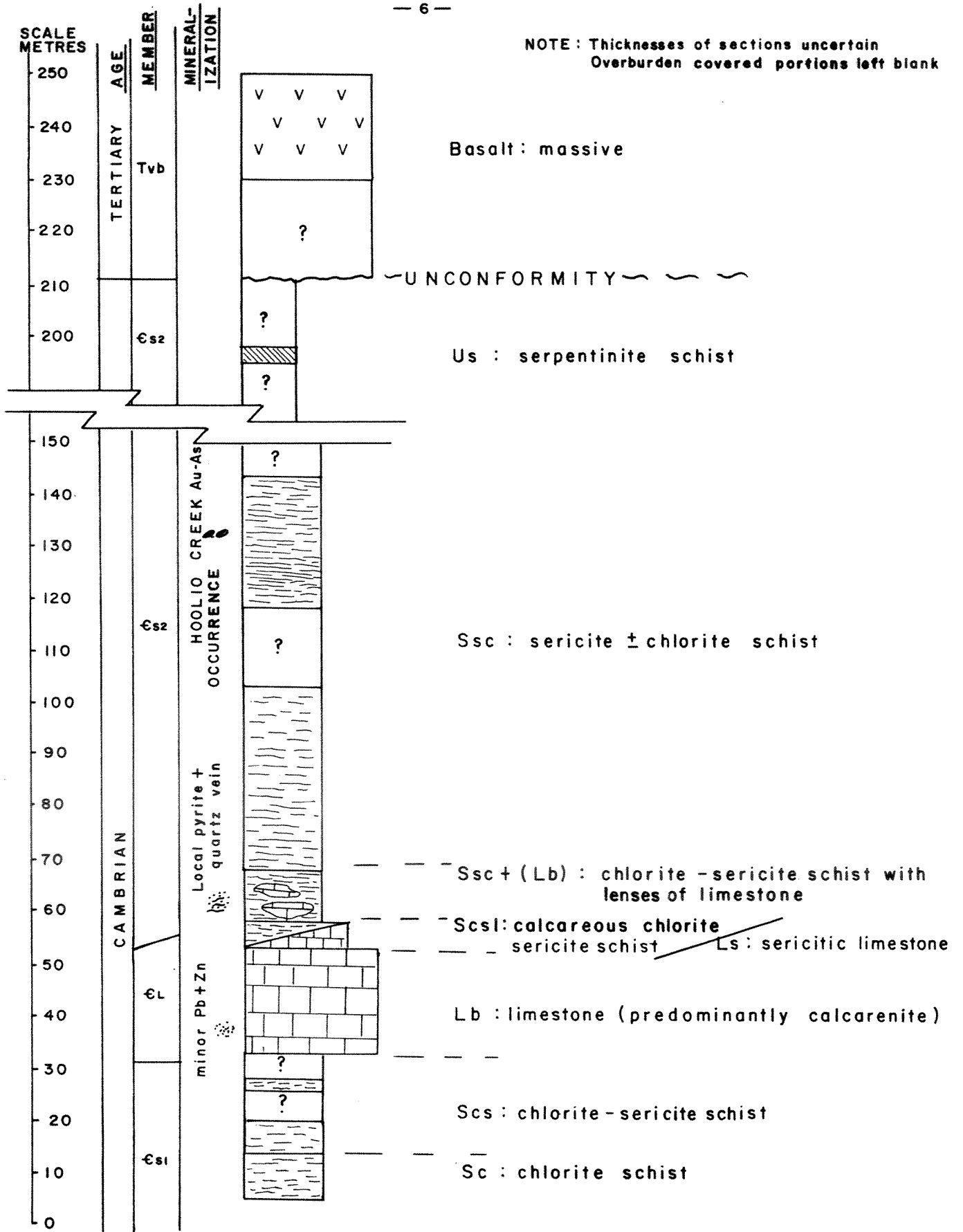
Tertiary volcanics host the recently discovered Grew Creek gold deposit located 70 km to the northwest in the Tintina Trench (Duke and Godwin, 1986). Gold occurrences in the vicinity of the Lug Property are, in contrast, hosted by Cambrian schists which have not previously been known to host gold mineralization.

### 2.3 Property Geology

The Lug Property is mainly underlain by flat-lying Cambrian schists and lesser limestones of probable Cambrian age (Plate 1, Fig. 3). These Cambrian units are unconformably overlain to the west by undeformed and unaltered Tertiary basalts. The main gold occurrence in the area is hosted by Cambrian sericite schists outcropping in Hoolio Creek just north of the property (Plate 1).

The Cambrian stratigraphy has been informally divided into a structurally Lower Schist member (Cs1), a Middle Limestone member (C1), and an Upper Schist member (Cs2). These strata are best exposed along the Hoole River and Hoolio Creek. Stratigraphic facing directions have not been determined.

NOTE: Thicknesses of sections uncertain  
Overburden covered portions left blank



### LUG PROPERTY STRATIGRAPHIC SECTION

NOV 1988

FIGURE 3

The Lower Schist member (Cs1) is at least 20 m (65 ft) thick. It is a monotonous, medium green chlorite schist with increasing proportions of sericite up section. The upper contact of this member has not been observed.

The Middle Limestone member (Cl) is about 20 m (65 ft) thick and forms small cliffs and ridges. It is typically light grey weathering to buff white, and forms platy, tabular, and massive outcrops. Local vague primary textures suggest much of this member is a recrystallized calcarenite. No fossils were noted during the mapping. The upper contact is marked by a 10 m (?) thick section of intercalated limestones and variably calcareous to non-calcareous chlorite-sericite schists.

The Upper Schist member (Cs2) is at least 70 m (230 ft) thick and possibly 140 m (460 ft) thick as interpreted from ground magnetic data (Section 4.0). The structurally lowermost 35 m (115 ft) portion of this member consists of grey sericite schist with abundant green chlorite-rich portions. The overlying 35 m (115 ft) portion consists of medium and dark grey sericite schists with only sparse chloritic portions. The upper half of this member is not exposed on the Lug property. Some old trenches one kilometre north of claim Lug 6 reveal a section of serpentine schists which are projected to occupy a portion of the upper part of this member. A second ultramafic body may occur at 16+75S/29+25W where it is indicated by a strong magnetic response (Section 4.2).

Tertiary basalts unconformably (?) overlie the Cambrian strata. These massive rounded outcrops occupy the tops and western slopes of hills on the property. The basalts are unaltered, dark green-grey rocks with locally common fine green olivine eyes. Pillows, amygdules and other depositional textures were not observed. Neither were any penetrative tectonic fabrics evident.

## 2.4 Mineralization

Gold-arsenopyrite, pyrite-chalcopyrite-gold and galena-sphalerite mineralization occurs in a number of locations on and near the Lug Property.

### 2.4.1 Gold-Arsenopyrite Mineralization

The Hoolio Creek Gold Occurrence was found just north of the property. This gold horizon is projected to cross the property beneath overburden cover.

The Hoolio Creek Gold Occurrence is a 60 cm (2 ft) wide zone in an otherwise monotonous section of sericite schists (member Cs2). It

consists of 25% highly silicified lenses (up to 3x100 cm) hosting 30-70% fine to coarse crystalline arsenopyrite and 5% intergrown pyrite. A chip sample taken across the full 60 cm (2 ft) width of the zone returned 3.14 g/tonne Au (GY8-R-3). An arsenopyrite-rich grab sample returned 10.34 g/tonne Au (GY8-R-2).

#### 2.4.2 Pyrite-Chalcopyrite Mineralization

Portions of the Upper Schist member (Cs2) host small lenses of disseminated sulphides at several horizons (Figure 3) along the Hoole River valley (Section 3.2.2). These zones are typically 0.2x2 m lenses hosting up to 15% pyrite and up to 5% chalcopyrite with associated gold values in the range of 98-630 ppb. Most of this mineralization was off the property and thus was not investigated further.

#### 2.4.3 Galena-Sphalerite Mineralization

The Middle Limestone member (C1) hosts disseminated galena and sphalerite in small lenses up to 0.2x3 m in the vicinity of 0+00/4+85E. No significant gold or silver values accompany the mineralization nor does it appear to have any continuity along strike.

### 3.0 Geochemistry Report

#### 3.1 Introduction

A preliminary program of rock, soil, and stream sediment geochemistry was carried out over select parts of the Lug Property and its vicinity (Plate 2). All samples were shipped to Acme Analytical Laboratories in Vancouver, B.C. for processing and analysis. All analytical results are recorded in Appendix 4 and plotted on Plate 2.

#### 3.2 Rock Geochemistry

##### 3.2.1 Introduction

Rock samples from bedrock exposures were collected at the discretion of field personnel. All samples were shipped unprepared to the laboratory where they were crushed to -100 mesh and analysed for gold by acid leach or fire assay with an atomic absorption finish. Most samples were also analysed for 30 elements by induced cation plasma (I.C.P.) spectrometry. Select samples were analysed for mercury by flameless atomic absorption (Appendix 4).

##### 3.2.2 Discussion

Significant results were obtained from three areas on or near the property (Plate 2).

The Hoolio Creek Gold Occurrence just north of the property returned 3.14 g/tonne gold from a chip sample across 60 cm (2 ft) (sample GY8-R-3) and 10.34 g/tonne gold from a grab sample rich in arsenopyrite and pyrite (GY8-R-2). For further details see Section 2.4.1.

A number of anomalous gold and copper values were returned from several small zones of pyrite-chalcopyrite mineralization along the Hoole River valley. These zones are described further in Section 2.4.2. Grab samples from the zones returned the following values :

	<u>Au (ppb)</u>	<u>Cu (%)</u>
GY8-R-4	98	.05
GY8-R-5	630	2. + (ICP saturation)
MY8-R-21	430	2. + (ICP saturation)
MY8-R-22	193	.8
MY8-R-23	220	.5
MY8-R-24	8	.001

Small lenses of galena and sphalerite were found at 0+00/4+85E in a limestone cliff face. A grab sample (MK8-R-18) returned 0.1% Cu, 1%+ Pb, 1%+ Zn, and 37 ppb gold (Pb and Zn exceeded ICP saturation limits). For further information see Section 2.4.3.

Most of the other rock samples (Plate 2, Appendix 4) were grab samples from local zones of quartz veining and/or disseminated sulphides; none returned significant values in base or precious metals.

### 3.3 Soil Geochemistry

#### 3.3.1 Introduction

Soil, till and talus samples were collected along line 4+00N at 25 m (80 ft) intervals, at 0+00/0+05N along a vertical profile in a test pit, and at selected sites in conjunction with rock samples (Plate 2). All samples were shipped unprepared to the laboratory where they were dried, sieved to retrieve the -80 mesh fraction, and analysed for gold and 30 elements in similar fashion to the rock samples (Section 3.2.1).

Soil horizons are poorly developed to not developed on the property. The test pit at 0+00/0+05N was dug to study and sample a typical overburden profile. Beneath a thin layer of caribou moss, the profile exposed a 4 cm (2 in) moderately decomposed black A-horizon humus layer (sample 0+00/0+05N A1) which was underlain by a 4 cm (2 in) layer of white volcanic ash. This ash layer was underlain by a 35 cm (14 in) layer of medium brown pebbly to silty till (sample T1). Below this till layer, a second (sample A2) and a third (samples A3 and T2) sequence of A-horizon-white ash-brown till layers were found. This superposition of layers is the product of repeated episodes of solifluction down the gentle slopes on the property. The test pit was dug to 70 cm (28 in) where it was stopped in permafrost. Permafrost was commonly encountered within a metre (3 ft) of surface throughout the property.

Samples collected along line 4+00N (Plate 2) were mainly brown to green till with local poorly developed B-horizon soils. Other samples collected in conjunction with bedrock samples were typically talus or till found at the base of the outcrops sampled.

Statistical methods were not employed to determine background metal values for the soils. An anomaly threshold of 20 ppb Au was used, however, based on experience elsewhere.

### 3.3.2 Discussion

Soil, till and talus samples collected in proximity to mineralized zones were usually anomalous in related metals. Talus sample GY8-S-2 taken at the base of the Hoolio Creek As-Au Occurrence (Section 2.4.1) returned highly anomalous values of 2657 ppm As and 152 ppb Au. Soil samples taken in the vicinity of pyrite-chalcopyrite-gold mineralization (Section 2.4.2) returned the following (Plate 2) :

	<u>Cu (ppm)</u>	<u>Au (ppm)</u>
MY8-S-1	17648	3215
MY8-S-2	168	6
MY8-S-3	310	48
MY8-S-4	84	10
MY8-S-5	915	1

The series of till and soil samples were collected along line 4+00N (Plate 2) in conjunction with magnetic and electromagnetic surveys. Low gold anomalies occur at 3+00W and 4+50W. These anomalies do not coincide with geophysical anomalies. They may, however, relate to possible gold-bearing horizons in the Upper Schist member structurally above the Hoolio Creek Gold Occurrence.

### 3.4 Stream Sediment Geochemistry

#### 3.4.1 Introduction

Stream sediments were collected along Hoolio Creek and its tributary drainage. Samples were all good channel silts from the creeks which varied from 1-2 metres (3-7 ft) in width and 5-40 centimetres in depth. Upstream sample sites drained areas of till while sample sites in the vicinity of the Hoolio Creek Gold Occurrence (including sample GY8-SS-3) and areas downstream drained areas of bedrock. All samples were shipped unprepared to the laboratory where they were dried, sieved to retrieve the -80 mesh fraction, and analysed for gold and 30 elements in similar fashion to the rock samples (Section 3.2.1).

### 3.4.2 Discussion

Stream sediment samples collected downstream from the Hoolio Creek As-Au Occurrence were all anomalous :

	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Distance from Au Occurrence</u>
Sample collected by the Geological Survey of Canada (1988) -			
GSC 105G 871070	7	40	90 m (300 ft) downstream from mouth of creek
Samples collected in May, 1988 -			
GY8-SS-3	1	--	50 m (160 ft) upstream
GY8-SS-4	12	265	15 m (50 ft) downstream
GY8-SS-5	14	96	90 m (300 ft) downstream
Samples collected in September, 1988 -			
GY8-SS-102	11	123	15 m (50 ft) downstream
GY8-SS-100	8	110	90 m (300 ft) downstream

Stream sediment samples collected upstream of the gold occurrence all returned background gold and arsenic values.

#### 4.0 Ground Magnetics Report

##### 4.1 Introduction

A preliminary ground magnetometer survey was run on a string grid following claim lines over most of the property (Plate 3). The instrument used was a Scintrex MFD-2 Digital Fluxgate Magnetometer with handheld accuracy of  $\pm 10$  gammas. Tie-in readings were generally stable so no corrections were applied to the data.

##### 4.2 Discussion

The magnetic profiles (Plate 3) are generally flat and reflect the thick sequence of Cambrian schists and limestones which dominate the property (Section 2.3). A small persistent rise in magnetic values along the western portion of the grid is interpreted to delineate the Cambrian schist - Tertiary basalt contact. The high magnetic anomaly at 16+75S/29+25W may outline a small ultramafic body similar to the one found north of the property (Section 2.3, Fig. 3).

## 5.0 Electromagnetics (EM-16) Report

### 5.1 Introduction

A preliminary electromagnetic survey (Plate 4) was run on the same string grid used for the ground magnetic survey which covered most of the property. The instrument used was a Geonics Ronka EM-16 with an accuracy of  $\pm 1^\circ$  for in-phase readings and  $\pm 1\%$  for quadrature readings. The Seattle, Washington transmitter broadcasting at a frequency of 24.8 kHz was utilized.

### 5.2 Discussion

Electromagnetic profiles (Plate 4) indicate the presence of numerous anomalies across the entire grid. Due to the wide spacing of the survey lines, correlation of anomalies was not possible. The source of these anomalies is not known due to the extensive blanket of overburden. It is possible that some of the anomalies may reflect sulphide mineralization with associated gold values.

### 6.0 Conclusions

1. Significant gold mineralization is associated with an arsenopyrite-bearing zone of silicification (the Hoolio Creek Gold Occurrence) in Cambrian sericite schists just north of the property. This auriferous horizon probably extends across the property beneath overburden cover.
2. Anomalous gold values are associated with small lenses of pyrite-chalcopyrite mineralization in Cambrian schists just north of the property. These horizons also probably extend across the property beneath overburden cover.
3. A small galena-sphalerite occurrence is present in Cambrian limestones on the property.
4. Tertiary volcanics which host the Grew Creek Gold Deposit to the northwest do not appear to host alteration or gold mineralization on the property.
5. Till, soil and talus samples are typically anomalous near mineralized zones on the property.
6. Stream sediment samples draining the Hoolio Creek Gold-Arsenopyrite Occurrence are anomalous in gold and arsenic.
7. Magnetic profiles on the property are generally flat but do appear to delineate the Cambrian schist - Tertiary basalt contact.
8. Causes of the numerous electromagnetic anomalies outlined on the property are not known but some may reflect sulphide-gold mineralization in Cambrian schists.

### 7.0 Recommendations

1. Further geophysical and geochemical surveys should be carried out in the vicinity of claims Lug 1 to 6 to better investigate anomalies along the Hoolio Creek Gold Occurrence horizon and possible associated structures.

8.0 REFERENCES

Duke, L.L., and Godwin, C.I.

1986: Geology and alteration of the Grew Creek epithermal gold-silver prospect, south-central Yukon; in Yukon Geology, Vol. 1, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.72-82.

Geological Survey of Canada

1961: Starr Creek - Airborne Magnetics Map 1391G; Scale 1 inch = 1 mile, Sheet 105 G/12.

Geological Survey of Canada

1988: Regional stream sediment and water geochemical data, southeastern Yukon (105G); Geological Survey of Canada Open File 1648.

Jackson, L.E., Gordey, S.P., Armstrong, R.L., and Harakal, J.E.

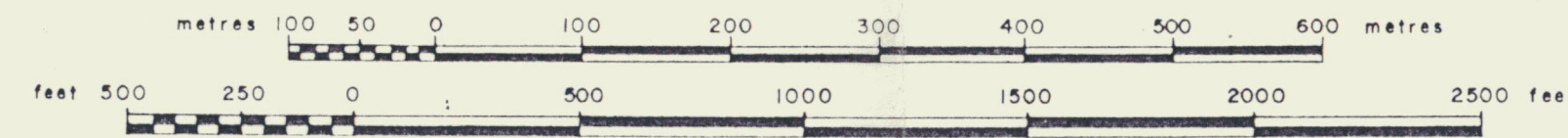
1986: Bimodal Paleogene volcanics near Tintina Fault, east-central Yukon, and their possible relationship to placer gold; in Yukon Geology, Vol. 1, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.139-147.

Templeman-Kluit, D.J.

1977: Quiet Lake (105F) and Finlayson Lake (105G) map areas, Yukon Territory; Geological Survey of Canada, Open File 486.

Wheeler, J.O., Green, L.H., and Roddick, J.A.

1960: Finlayson Lake map area, Yukon Territory; Geological Survey of Canada, Map 8-1960.



MAY-SEP 1988

PLATE I

LEGEND

STRATIGRAPHY

TERTIARY

Tvb : BASALT

UNCONFORMITY

CAMBRIAN

Cs2 : UPPER SERICITE SCHIST

Cl : MIDDLE LIMESTONE

Cs1 : LOWER CHLORITE-SERICITE SCHIST

LITHOLOGIES

EXAMPLE: LUG, Mbn, AS1

LITHOLOGICAL CODES	SUFFIXES	MINERALIZATION	ALTERATION
B BASALT	D BEDDED	OS ARSENOPIRITE	SI SILICIFICATION
L LIMESTONE	C CHLORITE	GR GALENA	
(PRESUMABLY CALCARENITE)	I CALCAREOUS	PF PYRITE	
S SCHIST OR PHYLLITE	M MASSIVE	SP SPHALERITE	
	S MOSCOVITE OR SERICITE	QV QUARTZ VEIN	
		RT RUST	

SYMBOLS

- BEDDING (INCLINED, VERTICAL)
- FOLIATION (INCLINED, VERTICAL, HORIZONTAL)
- LITHOLOGICAL CONTACT (OBSERVED, INFERRED)
- OUTCROP, LOCALLY DERIVED BOULDER
- STEEP SLOPE (TOP ALONG CONTIGUOUS LINE)
- SWAMP (OPEN)
- SWAMP (TREED)
- LAKE POND OR RIVER SHORE
- CREEK
- CLAIM POST AND CLAIM OUTLINE
- GRID LINE WITH 25 METRE SPACED STATIONS



YUKON JOINT VENTURE

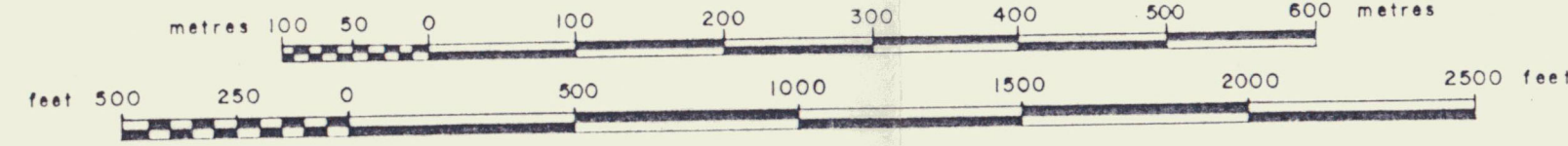
090727 NORTHERN DYNASTY EXPLORATIONS LTD.

410

LUG CLAIM GROUP

As, Au GEOCHEMISTRY

NTS 105 G/12 STARR CREEK, YUKON  
SCALE 1:5,000



MAY-SEP 1988



PLATE 2

LEGEND

- LAKE OR RIVER SHORE
- CREEK
- CLAIM POST AND CLAIM OUTLINE
- GRID LINE WITH 25 METRE STATION SPACING
- SOIL SAMPLE SITE WITH NUMBER AND ARSENIC (PPM), GOLD (PPB) ITALICIZED
- STREAM SEDIMENT SAMPLE SITE WITH NUMBER AND ARSENIC (PPM), GOLD (PPB) ITALICIZED
- ROCK SAMPLE SITE WITH NUMBER AND ARSENIC (PPM), GOLD (PPB) ITALICIZED



092727  
41

YUKON JOINT VENTURE

NORTHERN DYNASTY EXPLORATIONS LTD.

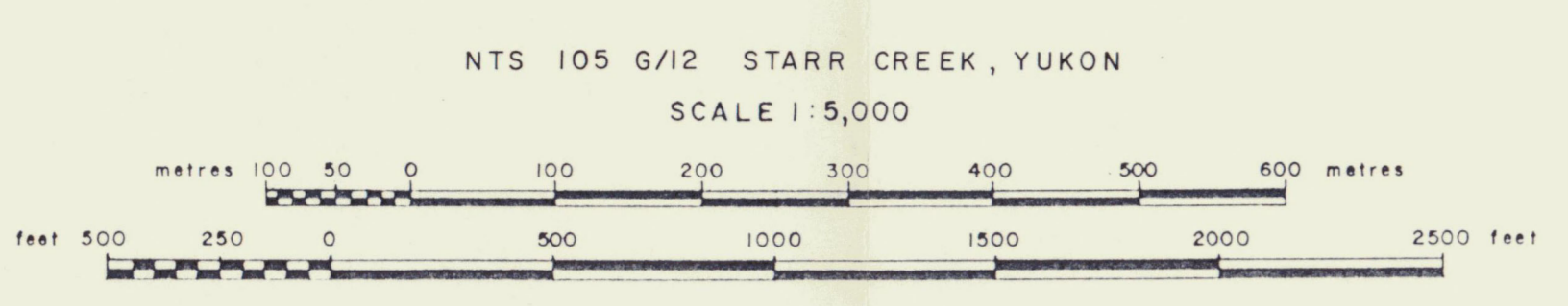
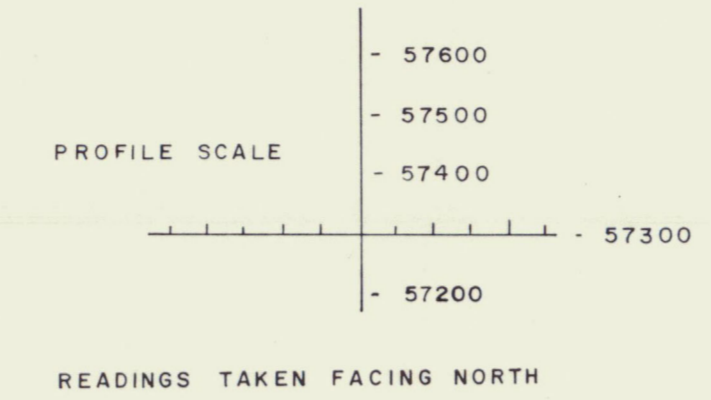
LUG CLAIM GROUP

# MAGNETOMETER PROFILE & POSTING

## LEGEND

- CLAIM POST AND CLAIM OUTLINE
- LAKE OR RIVER SHORE
- CREEK
- GRID LINE WITH 25 METRE STATION SPACING
- MAG. PROFILE IN GAMMAS
- MAG. POSTING IN GAMMAS

INSTRUMENT USED: SCINTREX MFD-2 DIGITAL FLUXGATE MAGNETOMETER



MAY - SEP 1988

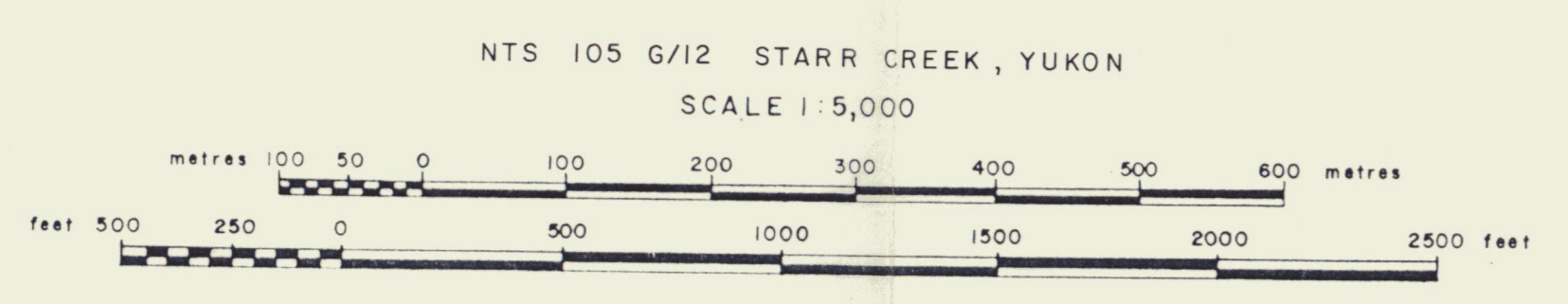
PLATE 3



09737  
42

YUKON JOINT VENTURE  
NORTHERN DYNASTY EXPLORATIONS LTD.  
LUG CLAIM GROUP

# EM PROFILES & POSTINGS



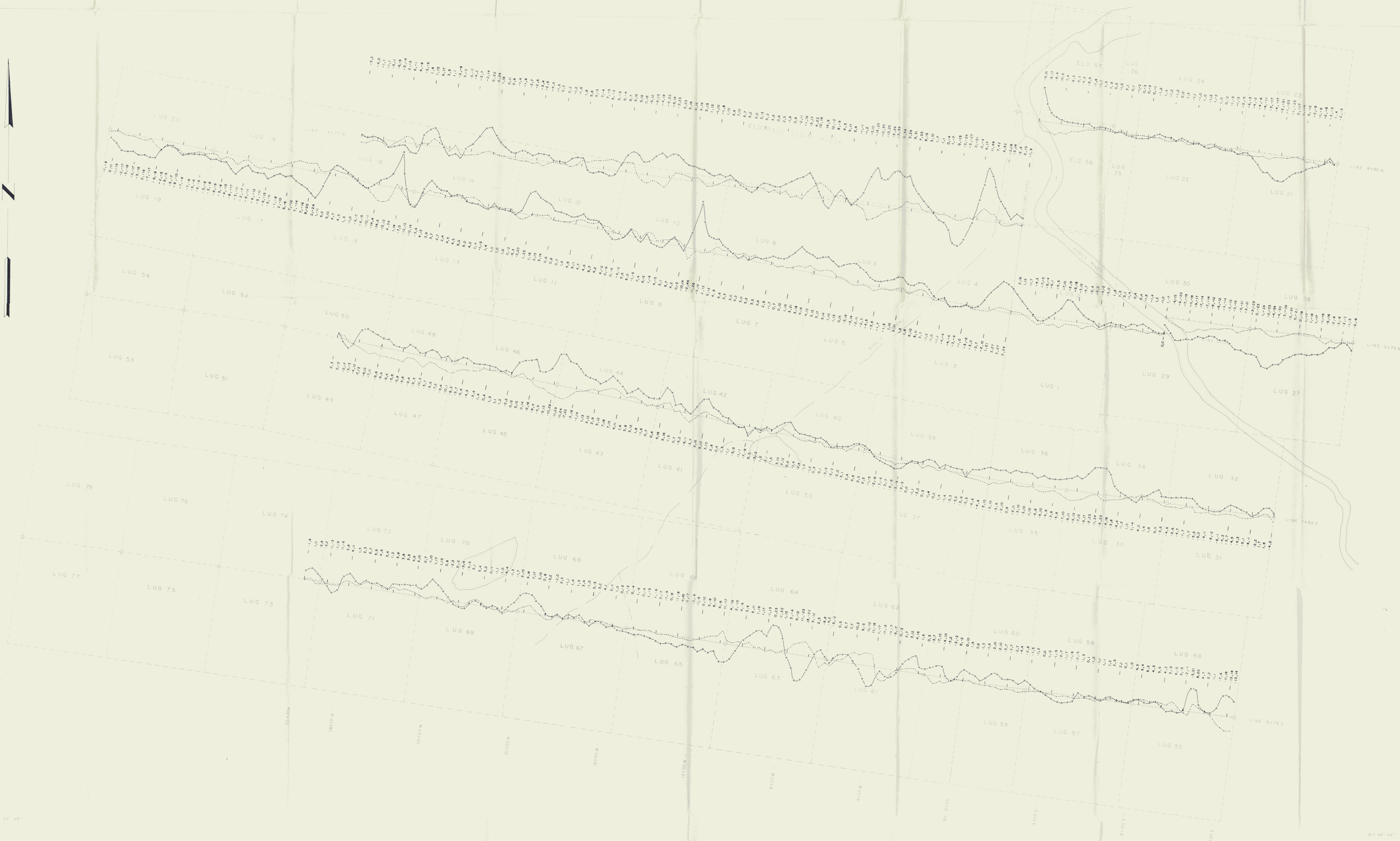
MAY-SEP 1988



PLATE 4

## LEGEND

- CLAIM POST WITH CLAIM OUTLINE
  - LAKE OR RIVER SHORE
  - CREEK
  - GRID LINE WITH 25 METRE STATION SPACING
  - DIP ANGLE (IN PHASE) IN "°"
  - QUADRATURE (OUT OF PHASE) IN "°"
  - POSTED READINGS QUADRATURE AND DIP ANGLE
- INSTRUMENT USED : GEONICS RONKA EM-16  
TRANSMITTER : SEATTLE WASHINGTON 248 KHZ  
READINGS TAKEN FACING WEST
- PROFILE SCALE



Appendix 1

Property Holder

Appendix 1

Property Holder

Northern Dynasty Explorations Ltd.  
844 West Hastings Street  
Vancouver, British Columbia  
V6C 1C8

Telephone : (604) 682-3727

Appendix 2

Personnel and Survey Dates

## Appendix 2

Personnel involved in work on Lug Property during 1988 :

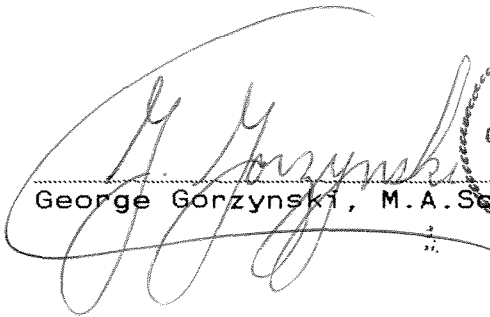
Personnel	Occupation	Survey Dates (1988)
George Gorzynski 3836 West 16 Avenue Vancouver, British Columbia V6R 3C7	Geologist	Field : May 11 - 12 August 24, 25, 26, 28, 30. Office: November 21 - 26. December 5 - 8.
H. Eric Ewen 3239 Ganymede Drive Burnaby, British Columbia V3J 1A5	Prospector/ Draftsman	Field: May 11 - 12. Office: November 22 - 30.
Mark Kilby 3282 West 6 Avenue Vancouver, British Columbia V6K 1X8	Technician	Field: August 24 - 28. August 30. September 1 - 8. Office: September 12 - 13.
Kevin Brumm General Delivery Ross River, Yukon	Technician	Field: August 28, 30.

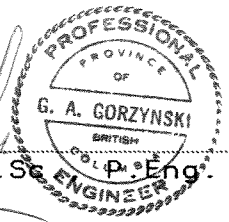
Appendix 3

Statement of Expenditures

AFFIDAVIT SUPPORTING STATEMENT OF EXPENDITURES

I, George Gorzynski of Vancouver, British Columbia, do hereby state that, to the best of my knowledge and belief, the statement of costs presented in this report (1988 Summary Report - Lug Property) is both correct and true.

  
George Gorzynski, M.A.Sc. P.Eng.



Yukon Exploration Incentives ProgramStatement of Expenditures

LUG Claim Group  
to December 31, 1988

Y.E.I.P. Designation Number E.I.P. 88052

Note : Expenditures listed below are :

1. Only related to work performed on the LUG Property. Cost of items such as field equipment was proportionally divided among all projects where the equipment was utilized and only that portion applicable to the LUG Property is included in this statement.
2. Eligible under the Yukon Exploration Incentives Program guidelines.
3. Only those eligible costs incurred after the June 9, 1988 activation date for this Yukon Exploration Incentives Program grant.

611 Salaries and Wages	\$ 500.00
631/633 Field Equipment and Supplies	613.95
635 Fuel	53.56
641 Air Travel	961.15
643 Rotary Wing	10,353.57
647 Miscellaneous Transport (Truck Rental)	487.02
649 Meals and Lodging	800.28
651 Consulting Fees and Wages - Field	2,995.00
- Office	2,637.50
657 Drafting	376.01
659 Assays and Analyses	836.88
660 Geophysical Equipment Rental	840.00
	=====
TOTAL	21,454.92

Supporting Documentation for 1988 Costs on the Lug Property.

- Invoices
- Expense Accounts
- Cancelled Cheques

611 SALARIES AND WAGES

	TOTAL PROJECT	LUG PROPERTY
	\$ 500.00	\$ 500.00
	<u>500.00</u>	<u>500.00</u>
TOTALS	\$ 500.00	<u>500.00</u>



December 31, 1988

I N V O I C E

TO YUKON (LUG) PROJECT :

J.G. Simpson, P.Eng., Supervisor September/December (2 days @ \$250./day)	500.00
	=====
TOTAL	\$ 500.00

**Northern Dynasty  
Explorations Ltd.**

**New Dynasty  
Mines (U.S.), Inc.**

844 West Hastings Street  
Vancouver  
British Columbia  
V6C 1C8  
(604) 682-3727

**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

0989

Sept. 29 19 88

PAY TO THE ORDER OF J. G. SIMPSON \$ 4,570.29

Four thousand, five hundred and seventy ----- 29  
100 DOLLARS

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**  
999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER *J. G. Simpson*  
PER *R. [Signature]*

⑈0000989⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑆ ⑆0000457029⑆

00280-016  
BANK OF MONTREAL  
SEP 30 1988  
999 West Hastings Street  
Vancouver, B.C. V6C 1M3  
INITIAL  
SEP 30 00280-016  
BANK OF MONTREAL  
VANCOUVER REGIONAL  
DATA CENTRE 07860-006

*[Handwritten signature]*  
SIC 00000015  
VIA

63 05455

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**NORTHERN DYNASTY EXPLORATIONS LTD.**

1613

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

Dec. 30 19 88

PAY TO THE ORDER OF J. G. SIMPSON

\$ 4,570.29

Four thousand, five hundred and seventy ----- 29  
100 DOLLARS

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER \_\_\_\_\_

PER \_\_\_\_\_

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⑆00020⑆⑆016⑆ 30632⑆⑆02⑈

⑆0000457029⑆

00280-016  
INITIAL  
999 West Hastings Street  
VANCOUVER, B.C. V6C 1M3  
DEC 30 1988  
BANK OF BRITISH COLUMBIA  
DIV. OF HONGKONG BANK OF CANADA  
00280-016

DE 30 88  
BANK OF MONTREAL  
VANCOUVER REGIONAL  
DATA CENTRE

*Simpson*

30654-7-25

⑆1234567⑈

⑆63289172⑈

631/633 FIELD EQUIPMENT AND SUPPLIES

	TOTAL PROJECT	LUG PROPERTY
	\$ 103.04	\$ 60.35
	366.65	214.75
	140.00	82.00
	89.78	52.59
	316.66	185.47
	32.08	18.79
	=====	=====
TOTALS	\$ 1048.21	<u>613.95</u>

EXPENSE REPORT OF:

SUPERIOR VENTURES

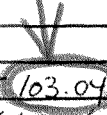
PERIOD:

AUGUST 22 - SEPTEMBER 2, 1988

Page 1 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
AUG 22	VANCOUVER	TOPO MAPS	\$ 55.12						\$ 55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAIM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631	69.28						5.05 ✓
		GROCERIES 633	316.66						174.14 ✓
		BREAKFAST (2) 635	91.45			15.50			15.50 ✓
	BRADBURN	LUNCH (2) 641	110.-			16.50			16.50 ✓
	CARMACKS	GAS 647	674.75				23.00		23.00 ✓
		657	106.62						
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649	1231.85						10.94 ✓
		GROCERIES							3.10 ✓
			2635.37						
AUG 26	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
AUG 30	"	GROCERIES	76.78						76.78 ✓
		<del>GAS</del>							
SEPT 1	"	MOTEL (16 DAYS)	986.00			986.00			
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			
TOTAL									601.07

\$60.35  
APPLICABLE  
TO LUG



CHARGED TO COMPANY AND CASH ADVANCES

\$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_  
\$ \_\_\_\_\_

LESS CHARGES AND CASH ADVANCES  
  
DUE EMPLOYEE OR (COMPANY)

EMPLOYEE INITIALS: *[Signature]*  
APPROVAL INITIALS: *[Signature]*

FOR ACCOUNTING DEPT. ONLY  
  
ISSUE CHECK FOR \$

ART OF:

SUPERIOR VENTURES

PERIOD:

AUG. 22 - SEPT. 2/88

PAGE 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LEASING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<u>SUBDIVISION OF EXPENSES*</u> →									
AUG 22 - SEPT. 2 →									
LUG PROPERTY <del>68%</del> 58.57%									
LION PROPERTY 2%									
RECONNAISSANCE 15%									
SEPT. 3 → SEPT. 15 →									
LUG PROPERTY 100%									
*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES									
\$1543.56 APPLICABLE TO LUG PROPERTY									
TOTAL			*2635.37	111.00	600.00	1231.85	91.45		601.07

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____	LESS CHARGES AND CASH ADVANCES	\$ _____	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
		DUE EMPLOYEE OR (COMPANY)	*2635.37	[Signature]	[Signature]	ISSUE CHECK FOR \$





NEVILLE CROSBY INC.

325 W. 6th AVENUE, VANCOUVER, B.C. V5Y 1L1  
TELEPHONE 873-4343 TELEX 04-507762

MINING & FORESTRY SUPPLIES

S  
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D  
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O  
NORTHERN DYNASTY EXPLORATIONS LTD.  
844 W. HASTINGS ST.  
VANCOUVER, BC  
V6C 1C8

S  
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P  
T  
O  
PICKED-UP BY GEORGE GORZYNSKI

DATE: SEPT. 7/88

REG. NO. I 5019

CUSTOMER P.O. NUMBER

INVOICE

66044

SHIPPED VIA TAKEN  
NO. OF PARCELS  
SHIPPER  
CLERK LV  
CASH  
CHARGE X  
C.O.D.

QUANTITY		CAT. No.	DESCRIPTION	B/O	SHIPPED	PRICE PER UNIT	AMOUNT
ORDERED	UNIT						
1	ONLY	E3-22P	ROCK HAMMER		1		33 95
2	"	M25	HIP CHAIN		2	15 00	230 00
1	PKG		HIP CHAIN THREAD		1		35 00
1	CAN		COUNTER ASSAULT		1		46 95
							345 90
Pd Sept 30/88 # 1006							
YOK APPROVED FOR PAYMENT							
\$214.75 APPLICABLE TO LOG PROPERTY							
							S.S. TAX 20 75
							DELIVERY
							TOTAL 366 65

Overdue Accounts subject to interest.  
Merchandise returned for Credit will not be accepted unless previous arrangements have been made.  
TERMS: Sales Net 30 Days / Rentals in Advance.

PLEASE PAY THIS AMOUNT

TOTAL

366 65

Thank You

NORTHERN DYNASTY EXPLORATIONS LTD.

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

1006

Sept. 30 19 88

PAY TO THE  
ORDER OF

NEVILLE CROSBY INC.

\$ 366.65

Three hundred and sixty-six ----- 65 DOLLARS  
100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER \_\_\_\_\_

PER \_\_\_\_\_

⑈0001006⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑆ ⑆0000036665⑆

HLB12228A

HLB12228A

ROYAL BANK  
BRITISH COLUMBIA  
PC  
01 38 04

FOR DEPOSIT ONLY  
NEVILLE CROSBY INDUSTRIES  
DIVISION OF  
BRADBURY INTERNATIONAL EQUITIES LIMITED  
*Received with Thanks*

**NORTHERN DYNASTY EXPLORATIONS LTD.**  
 844 W. HASTINGS STREET PHONE (604) 682-3727  
 VANCOUVER, B.C. V6C 1C8

0973

Sept. 12 19 88

PAY TO THE ORDER OF ACME ANALYTICAL \$ 2,788.20

Two thousand, seven hundred and eight-eight ----- 20 DOLLARS  
 100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**  
 999 WEST HASTINGS ST. PH. 668-4630  
 VANCOUVER, B.C. V6C 1M3

PER [Signature]  
 PER [Signature]

⑈0000973⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑈ ⑆0000278820⑆

Aug 24/88 (u)

NORTHERN DYNASTY EXPLORATION  
 844 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6C 1C8

TERMS:  
 NET TWO WEEKS -  
 1 1/2% PER MONTH CHARGED ON  
 OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
	1000 SOIL ENVELOPES		140.00
	SENT TO WHITEHORSE, YT BY CANADIAN AIRLINES		
	TOTAL		140.00

\$ 82.00 APPLICABLE  
TO LUG PROPERTY

SE '88 13  
 ROYAL BANK  
 BRITISH COLUMBIA PC

THE ROYAL BANK OF CANADA  
 CHINATOWN BRANCH  
 VANCOUVER, B.C.  
 00740-003



**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

0946

August 29 19 88

PAY TO THE  
ORDER OF

NEVILLE CROSBY INC.

\$ 89.78

Eighty-nine

78 DOLLARS

100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER

PER

*Received with Thanks  
DRABURY INTERNATIONAL EQUITIES LIMITED*

⑈000046⑈

⑈20⑈ DIVISION OF

⑈878000000⑈

NEVILLE CROSBY INDUSTRIES  
FOR DEPOSIT ONLY

AG '88 30

ROYAL BANK  
BRITISH  
COLUMBIA PC

2018782

218142712

EXPENSE REPORT OF:

SUPERIOR VENTURES

PERIOD:

AUGUST 22 - SEPTEMBER 2, 1988

Page 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER		
								ITEM	AMOUNT	
AUG 22	VANCOUVER	TOPO MAPS	\$ 55.12						\$ 55.12 ✓	
"	"	FLARE GUN	33.76						33.76 ✓	
"	"	PARKING	9.00						9.00 ✓	
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓	
		GOVERNMENT PUBLICATION	45.00						45.00 ✓	
		CLAIM MAPS	6.50						6.50 ✓	
		FIELD EQUIPMENT	20.98						20.98 ✓	
		HARDWARE	20.32						20.32 ✓	
		TAPES	11.99						11.99 ✓	
		FIELD EQUIPMENT 631	69.28	103.04	5.05				5.05 ✓	
		GROCERIES 633	316.66	✓	174.14				174.14 ✓	
		BREAKFAST (2) 635	91.45	✓	15.50	15.50				
	BRARBURN	LUNCH (2) 641	110.00	✓	16.50	16.50				
	CARMACKS	GAS 647	674.75	✓	23.00	23.00				
		657	106.62	✓						
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649	1231.85	✓	10.94				10.94 ✓	
		GROCERIES	3.10		3.10				3.10 ✓	
			2635.37							
AUG 26	"	FLAGGING TAPES + GROCERIES	62.64						62.64 ✓	
AUG 30	"	GROCERIES	76.78						76.78 ✓	
		<del>GAS</del>								
SEPT 1	"	MOTEL (16 DAYS)	986.00			986.00				
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85				
TOTAL									601.07	

#185.47  
APPLICABLE TO  
LUG

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____	LESS CHARGES AND CASH ADVANCES	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
		DUE EMPLOYEE OR (COMPANY)			ISSUE CHECK FOR \$

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

2027 30 1988 # 992 (T-7799 08)

REPORT OF: SUPERIOR VENTURES

PERIOD: AUG. 22 - SEPT. 2/88

Page 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LEASING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<u>SUBDIVISION OF EXPENSES*</u> →									
AUG 22 - SEPT. 2 →									
LUG PROPERTY <del>87.58.57</del>									
LION PROPERTY 27%									
RECONNAISSANCE 5%									
SEPT. 3 → SEPT. 15 →									
LUG PROPERTY 100%									
*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES									
#1543.56 APPLICABLE TO LUG PROPERTY									
TOTAL			*2635.37	111.00	600.00	1231.85	91.45		601.07
CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____		LESS CHARGES AND CASH ADVANCES	*2635.37	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY		
			DUE (EMPLOYEE OR COMPANY)				ISSUE CHECK FOR \$		

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

EXPENSE REPORT OF: SUPERIOR VENTURES

PERIOD: AUGUST 23 - NOVEMBER 25, 1988

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	SHIP; AIR; RR FARE	TAXI & OTHER TRANSP.	MEALS AND LODGING	ENTERTAINMENT	OTHER	
								ITEM	AMOUNT
AUG 23	WHITEHORSE	HARDWARE	20.00						20.00
SEPT. 6	ROSS RIVER	GROCERIES	12.08						12.08
SEPT. 8	"	PHONE	8.50						8.50
SEPT. 9	"	MOTEL (1 NIGHT X 1 PERSON)	56.00			56.00			
		MEALS (4 DAYS X 1 PERSON)	78.50			78.50			
		EXCESS BAGGAGE	71.25	71.25					
	WHITEHORSE	EXCESS BAGGAGE	60.00	60.00					
	VANCOUVER	TAXI	17.00		17.00				
SEPT 13	"	TAXI	8.50		8.50				
NOV. 25	"	G.S.C. MAPS	12.19						12.19
		633 Camp M.	32.08 ✓						
		647 Misc. Sr.	156.75 ✓						
		649 Meals / Lod.	134.50 ✓						
		651 Printing	12.19 ✓						
		661 Comm. / Postage	8.50 X						
			<u>344.02</u>						
				131.25	25.50	134.50			52.77 TOTAL
				344.02					

#18.79 APPLICABLE TO LUG

#196.52 APPLICABLE TO LUG PROPERTY

CASH ADVANCES \$ \_\_\_\_\_

DUE EMPLOYEE OR (COMPANY)

\$344.02

EMPLOYEE INITIALS

APPROVAL INITIALS

FOR ACCOUNTING DEPT. ONLY

ISSUE CHECK FOR \$



635 FUEL

	TOTAL PROJECT	LUG PROPERTY
	\$ 91.45	\$ 53.56
	=====	=====
TOTALS	\$ 91.45	<u>53.56</u>

EXPENSE REPORT OF:

SUPERIOR VENTURES

PERIOD:

AUGUST 22 - SEPTEMBER 2, 1988

Page 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
AUG 22	VANCOUVER	TOPO MAPS	\$ 55.12						\$ 55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAIM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631	69.28	103.04					5.05 ✓
		GROCERIES 633	316.66	✓					174.14 ✓
		BREAKFAST (2) 635	91.45	✓		15.50			15.50 ✓
	BRADBURN	LUNCH (2) 641	110.-	✓		16.50			16.50 ✓
	CARMACKS	GAS 647	674.75	✓			23.00		23.00 ✓
		657	106.62	✓					
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649	1231.85	✓					10.94 ✓
		GROCERIES							3.10 ✓
			2435.37						
AUG 28	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
AUG 30	"	GROCERIES	76.78						76.78 ✓
		<del>GAS</del>							
SEPT. 1	"	MOTEL (16 DAYS)	986.00			986.00			
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			
TOTAL									601.07

\$53.56  
APPLICABLE TO  
LUG

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____	LESS CHARGES AND CASH ADVANCES	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
		DUE EMPLOYEE OR (COMPANY)			ISSUE CHECK FOR \$

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

Sept 3, 1988 # 992 (T-7799 08)

# YUKON PROJECT

ART OF: SUPERIOR VENTURES

PERIOD: AUG. 22 - SEPT. 2/88

Page 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	37.70				37.70		
	WHITEHORSE	TRUCK LOADING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<u>SUBDIVISION OF EXPENSES*</u> →									
AUG 22 - SEPT. 2 →									
LUG PROPERTY <del>84.58.57</del>									
LION PROPERTY <del>24.</del>									
RECONNAISSANCE <del>51.</del>									
SEPT. 3 → SEPT. 15 →									
LUG PROPERTY 100%.									
*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES									
\$1543.56 APPLICABLE TO LUG PROPERTY									
TOTAL			2635.37	111.00	600.00	1231.85	91.45	601.07	

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____	} LESS CHARGES AND CASH ADVANCES	2635.37	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$ _____		2635.37	[Signature]	[Signature]	ISSUE CHECK FOR \$
	\$ _____		(EMPLOYEE OR COMPANY)			
	\$ _____					

641 AIR TRAVEL

	TOTAL PROJECT	LUG PROPERTY
	\$ 587.00	\$ 343.81
	943.00	552.32
	111.00	65.02
	<u>=====</u>	<u>=====</u>
TOTALS	\$ 1641.00	<u>961.15</u>



MacDonald Travel  
 2ND FLOOR, 848 WEST HASTINGS STREET  
 VANCOUVER, B.C. V6C 3A8  
 PHONE (604) 669-2339

NORTHERN DYNASTY EXPLORATIONS  
 844 WEST HASTINGS ST  
 VANCOUVER BC Z00000

AUG 22 1988

80822220

INVOICE  
 NUMBER

FROM	TO	CARRIER	FLIGHT/CLASS	DATE	DEPART	ARRIVE	STATUS
VANCOUVER	WHITE HORSE	CANADIAN AIR	621Y	23AUG	830A	1050A	OK
			BREAKFAST				
WHITE HORSE	VANCOUVER	CANADIAN AIR	OPENY				

AIR TRANSPORTATION FARE CAD 537.00 TX CAD 50.00 TTL CAD 587.00

TOUR 26AUG-

CHECK IN 45 MINUTES PRIOR TO FLIGHT TIMES  
 UPON YOUR DECISION TO RETURN-PLEASE CALL  
 CANADIAN AIRLINES AND THEY WILL BOOK YOUR  
 RETURN FLIGHT

TICKET NUMBER(S):

KILBY/MARK MR

0184 3732070025

CH 587.00

CHECK-ACCT-NORTHE

INVOICE TOTAL CAD 587.00

*\$343.81 APPLICABLE  
 TO LUG PROPERTY*

TICKET NUMBER

CASH SALE	ON ACCOUNT	CREDIT CARD SALES
	XX DS	

TERMS: PAYMENT DUE UPON RECEIPT OF INVOICE. 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS.

NORTHERN DYNASTY EXPLORATIONS  
 844 WEST HASTINGS ST  
 VANCOUVER BC Z00000

AUG 05 1988 80805226

INVOICE NUMBER

FROM	TO	CARRIER	FLIGHT/CLASS	DATE	DEPART	ARRIVE	STATUS
SIoux LOOKOUT	THUNDER BAY	BEARSKN LAKE	304Y	17AUG	250P	440P	OK
THUNDER BAY	TORONTO	AIR CANADA	526Y	17AUG	510P	641P	OK
			DINNER				
TORONTO	VANCOUVER	AIR CANADA	151Y	20AUG	930P	1120P	OK
			DINNER				
VANCOUVER	WHITE HORSE	CANADIAN AIR	621Y	22AUG	830A	1050A	OK
			BREAKFAST				
WHITE HORSE	VANCOUVER	CANADIAN AIR	194Y	2SEP	530P	855P	OK
			DINNER				
VANCOUVER	TORONTO	CANADIAN AIR	960Y	7SEP	800A	310P	OK
			BREAKFAST				
TORONTO	THUNDER BAY	CANADIAN AIR	825Y	7SEP	400P	530P	OK
THUNDER BAY	SIoux LOOKOUT	BEARSKN LAKE	303Y	7SEP	810P	805P	OK

AIR TRANSPORTATION FARE CAD 1836.00 TX CAD 50.00 TTL CAD 1886.00

TICKET NUMBER(S):  
 GORZYNSKI/GEORGE MR 0140 3732069509-510 CH 1886.00  
 CHECK-ACCT-NORTHE

*#943.00 Yukon*

INVOICE TOTAL CAD 1886.00

TICKET NUMBER			<i>#552.32</i> APPLICABLE TO LUG PROPERTY
CASH SALE	ON ACCOUNT <input checked="" type="checkbox"/>	CREDIT CARD SALES	

TERMS: PAYMENT DUE UPON RECEIPT OF INVOICE. 1% PER MONTH CHARGED ON OVERDUE ACCOUNTS.

TICKET NUMBER (0183730692267 -coupon 3/4)

CASH SALE	ON ACCOUNT	CREDIT CARD SALES
	REFUND DS	

1% PER MONTH CHARGED ON OVERDUE ACCOUNTS

**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

0978

Sept. 15 19 88

PAY TO THE ORDER OF MacDonald Travel

\$ 3,431.80

Three thousand, four hundred and thirty-one ----- 80  
100 DOLLARS

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**  
999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER *[Signature]*  
PER *[Signature]*

⑈0000978⑈ ⑆00020⑆016⑆ 30632⑆⑆02⑆ ⑆0000343180⑆

SE '88 15  
BANK OF MONTREAL  
VANCOUVER REGIONAL  
DATA CENTRE  
0780-001

FOR DEPOSIT ONLY  
MACDONALD TRAVEL CORPORATION

EXPENSE REPORT OF:

SUPERIOR VENTURES

PERIOD:

AUGUST 22 - SEPTEMBER 2, 1988

Page 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
AUG 22	VANCOUVER	TOPO MAPS	\$ 55.12						\$ 55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAIM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631	69.28	103.04	5.05				5.05 ✓
		GROCERIES 633	316.66	✓	174.14				174.14 ✓
		BREAKFAST (2) 635	91.45	✓	15.50	15.50			
	BRABURN	LUNCH (2) 641	11.00	✓	16.50	16.50			
	CARMACKS	GAS 647	674.75	✓	23.00		23.00		
		657	166.62	✓					
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649	1231.85	✓	10.94				10.94 ✓
		GROCERIES			3.10				3.10 ✓
			2435.37						
AUG 26	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
AUG 30	"	GROCERIES	76.78						76.78 ✓
		<del>GAS</del>							
SEPT. 1	"	MOTEL (16 days)	986.00			986.00			
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			

#65.02 APPLICATION TO LUG

TOTAL

601.07

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____	LESS CHARGES AND CASH ADVANCES	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$ _____				
	\$ _____				
	\$ _____				
		DUE EMPLOYEE OR (COMPANY)			ISSUE CHECK FOR \$

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

2027 3.1.88 #992 (T-7799 08)

# YUKON PROJECT

NORTHERN DYNASTY -

ART OF:

SUPERIOR VENTURES

PERIOD:

AUG. 22 - SEPT. 2/88

Page 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LEASING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<p style="font-size: 1.2em; font-family: cursive;">SUBDIVISION OF EXPENSES* →</p> <p style="font-size: 1.2em; font-family: cursive;">AUG 22 - SEPT. 2 →</p> <p style="font-size: 1.2em; font-family: cursive;">LUG PROPERTY <del>81.58.574</del></p> <p style="font-size: 1.2em; font-family: cursive;">LION PROPERTY <del>21.</del></p> <p style="font-size: 1.2em; font-family: cursive;">RECONNAISSANCE <del>51.</del></p> <p style="font-size: 1.2em; font-family: cursive;">SEPT. 3 → SEPT. 15 →</p> <p style="font-size: 1.2em; font-family: cursive;">LUG PROPERTY 100%.</p> <p style="font-size: 1.2em; font-family: cursive;">*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="font-size: 1.2em; font-family: cursive;">\$1543.56 APPLICABLE TO LUG PROPERTY</p> </div>									
TOTAL			*2635.37	111.00	600.00	1231.85	91.45	601.07	

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____	LESS CHARGES AND CASH ADVANCES  DUE EMPLOYEE OR (COMPANY)	2635.37  2635.37	EMPLOYEE INITIALS  	APPROVAL INITIALS  	FOR ACCOUNTING DEPT. ONLY  ISSUE CHECK FOR \$
--------------------------------------	--	---	------------------------	---------------------------	---------------------------	---

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

643 ROTARY WING

LUG  
PROPERTY

\$ 796.90  
735.60  
735.60  
1,317.95  
796.90  
698.82  
735.60  
735.60  
735.60  
735.60  
551.70  
551.70  
613.00  
613.00  
=====

TOTAL \$ 10,353.57

NOTE: THIS STATEMENT IS A CONFIRMATION OF PAYMENT

TO:

NORTHERN DYNASTY EXPLORATION  
844 WEST HASTINGS STREET  
VANCOUVER BC



REMIT PAYMENT TO:

**TRANS NORTH AIR**

TRANS NORTH TURBO AIR LTD.

AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
TELEPHONE (403) 668-2177 FAX (403) 668-3420

V6C 1C8

*\$5817.37 APPLICABLE TO LUG PROPERTY*

DATE	REF. NO.	DESCRIPTION	A/C	DEBIT	CREDIT	BALANCE
AUG31/88	83095	INVOICE	FDDL	796.90		
SEP15/88	83095	PAYMENT	83095		796.90	0.00
AUG31/88	83098	INVOICE	FDDL	735.60		
SEP15/88	83098	PAYMENT	83098		735.60	0.00
AUG31/88	83101	INVOICE	FDDL	735.60		
SEP15/88	83101	PAYMENT	83101		735.60	0.00
AUG31/88	83105	INVOICE	FDDL	2,635.90		
SEP15/88	83105	PAYMENT	83105		2,635.90	0.00
AUG31/88	83109	INVOICE	FDDL	796.90		
SEP15/88	83109	PAYMENT	83109		796.90	0.00
AUG31/88	83112	INVOICE	FDDL	2,329.40		
SEP15/88	83112	PAYMENT	83112		2,329.40	0.00
AUG31/88	83115	INVOICE	FDDL	735.60		
SEP15/88	83115	PAYMENT	83115		735.60	0.00
AUG31/88	83118	INVOICE	FDDL	2,819.80		
SEP15/88	83118	PAYMENT	83118		2,819.80	0.00
SEP06/88	83119	INVOICE	FDDL	2,329.40		
SEP15/88	83119	PAYMENT	83119		2,329.40	0.00
SEP09/88	83121	INVOICE	FDDL	735.60		735.60 ✓
SEP09/88	83124	INVOICE	FDDL	735.60		735.60 ✓
SEP09/88	83127	INVOICE	FDDL	735.60		735.60 ✓

STANDARD BUSINESS FORMS

CURRENT

30-60

60-90

OVER 90

TOTAL DUE

*all paid - ok*

TERMS: TWO PERCENT INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED

CYCLES

*PA Sent 30/88 # 1003*

157104

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT**

NOTE: THIS STATEMENT IS A CONFIRMATION OF PAYMENT

CUSTOMER NO.  
NORTDYN

DATE  
OCT 31 / 88

STATEMENT OF YOUR ACCOUNT WITH PAGE: 1

TO:

NORTHERN DYNASTY EXPLORATION  
844 WEST HASTINGS STREET  
VANCOUVER BC



REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
TRANS NORTH TURBO AIR LTD.  
AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
TELEPHONE (403) 668-2177 FAX (403) 668-3420

V6C 108

DATE	REF. NO.	DESCRIPTION	A/C	DEBIT	CREDIT	BALANCE
SEP 09 / 88	83121	INVOICE	FDDL	735.60		
OCT 04 / 88	83121	PAYMENT	83121		735.60	0.00
SEP 09 / 88	83124	INVOICE	FDDL	735.60		
OCT 04 / 88	83124	PAYMENT	83124		735.60	0.00
SEP 09 / 88	83127	INVOICE	FDDL	735.60		
OCT 04 / 88	83127	PAYMENT	83127		735.60	0.00
SEP 09 / 88	83132	INVOICE	FDDL	551.70		
OCT 04 / 88	83132	PAYMENT	83132		551.70	0.00
SEP 09 / 88	83137	INVOICE	FDDL	551.70		
OCT 04 / 88	83137	PAYMENT	83137		551.70	0.00
SEP 09 / 88	83141	INVOICE	FDDL	613.00		
OCT 04 / 88	83141	PAYMENT	83141		613.00	0.00
SEP 12 / 88	83145	INVOICE	FDDL	613.00		
OCT 04 / 88	83145	PAYMENT	83145		613.00	0.00
KEYSTONE BUSINESS FORMS						
CURRENT		30-60	60-90	OVER 90	TOTAL DUE	
0.00		0.00	0.00	0.00	40.00	

TERMS: TWO PERCENT INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

# 4536.20 APPLICABLE TO LOG PROPERTY

**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

1003

Sept. 30 19 88

PAY TO THE ORDER OF TRANS NORTH AIR \$ 4,536.20

Four thousand, five hundred and thirty-six ----- 20  
100 DOLLARS

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER \_\_\_\_\_  
PER \_\_\_\_\_

⑈0001003⑈ ⑆00020⑆016⑆ 30632⑆⑆020⑆ ⑆0000453620⑆

09980-001  
Bank of Montreal  
SEP 04 1988  
111 Main St.  
Whitehorse, Yukon  
09980-001  
100-19670  
22  
VANCOUVER  
DATA CENTRE

For Deposit Only to the Account of  
TRANS NORTH TURBO AIR LTD.

1000-198

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647 MISCELLANEOUS TRANSPORTATION

	TOTAL PROJECT	LUG PROPERTY
	\$ 674.75	\$ 395.21
	156.75	91.81
	=====	=====
TOTALS	\$ 831.50	<u>487.02</u>

# YUKON PROJECT

EXPENSE REPORT OF: **SUPERIOR VENTURES**

PERIOD: **AUGUST 22 - SEPTEMBER 2, 1988** Page 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
Aug 22	Vancouver	TOPO MAPS	\$ 55.12						\$ 55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
Aug 23	Whitehorse	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAIM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631	69.28	103.04	5.05				5.05 ✓
		GROCERIES 633	316.66	✓	174.14				174.14 ✓
		BREAKFAST (2) 635	91.45	✓	15.50	15.50			
	BRARBURN	LUNCH (2) 641	110.-	✓	16.50	16.50			
	CARMACKS	GAS 647	674.75	✓	23.00		23.00		
		657	106.62	✓					
Aug 24	Ross River	FIELD EQUIPMENT 649	1231.85	✓	10.94				10.94 ✓
		GROCERIES	3.10						3.10 ✓
			2635.37						
Aug 26	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
Aug 30	"	GROCERIES	76.78						76.78 ✓
		<del>GAS</del>							
Sept 1	"	MOTEL (16 days)	986.00			986.00			
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			
TOTAL									601.07

\$395.21  
APPLICABLE TO  
LUG

CHARGED TO COMPANY AND CASH ADVANCES

{ \_\_\_\_\_ \$ \_\_\_\_\_  
 \_\_\_\_\_ \$ \_\_\_\_\_  
 \_\_\_\_\_ \$ \_\_\_\_\_  
 \_\_\_\_\_ \$ \_\_\_\_\_

LESS CHARGES AND CASH ADVANCES

DUE EMPLOYEE OR (COMPANY)

EMPLOYEE INITIALS

APPROVAL INITIALS

FOR ACCOUNTING DEPT. ONLY

ISSUE CHECK FOR \$

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

Sept 3, 1988 #992 (T-7799 08)

# YUKON PROJECT

NORTHERN DYNASTY - (REV. 5)

ART OF:

SUPERIOR VENTURES

PERIOD: AUG. 22 - SEPT. 2/88

Page 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LEASING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<p><u>SUBDIVISION OF EXPENSES*</u> →</p> <p>AUG 22 - SEPT. 2 →</p> <p style="margin-left: 40px;">LUG PROPERTY <del>84.58.57</del></p> <p style="margin-left: 40px;">LUG PROPERTY <del>24.</del></p> <p style="margin-left: 40px;">RECONNAISSANCE <del>5.</del></p> <p>SEPT. 3 → SEPT. 15 →</p> <p style="margin-left: 40px;">LUG PROPERTY 100.</p> <p style="margin-left: 40px;">* ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p style="margin: 0;">\$1543.56 APPLICABLE TO LUG PROPERTY</p> </div>									
TOTAL			2635.37	111.00	600.00	1231.85	91.45	601.07	
CHARGED TO COMPANY AND CASH ADVANCES	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> <p>_____ \$ _____</p> <p>_____ \$ _____</p> <p>_____ \$ _____</p> <p>_____ \$ _____</p> </div>	LESS CHARGES AND CASH ADVANCES  DUE <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EMPLOYEE</span> OR (COMPANY)	2635.37	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY			
				P	M	ISSUE CHECK FOR \$			

EXPENSE REPORT OF: SUPERIOR VENTURES

PERIOD: AUGUST 23 - NOVEMBER 25, 1988

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	SHIP; AIR; RR FARE	TAXI & OTHER TRANSP.	MEALS AND LODGING	ENTERTAINMENT	OTHER	
								ITEM	AMOUNT
Aug 23	WHITEHORSE	HARDWARE	20.00						20.00
SEPT. 6	ROSS RIVER	GROCERIES	12.08						12.08
SEPT. 8	"	PHONE	8.50						8.50
SEPT. 9	"	MOTEL (1 NIGHT X 1 PERSON)	56.00			56.00			
		MEALS (4 DAYS X 1 PERSON)	78.50			78.50			
		EXCESS BAGGAGE	71.25	71.25					
	WHITEHORSE	EXCESS BAGGAGE	60.00	60.00					
	VANCOUVER	TAXI	17.00		17.00				
SEPT 13	"	TAXI	8.50		8.50				
Nov. 25	"	G.S.C. MAPS	12.19						12.19

#91.81 APPLICABLE TO LUG

633 Camp Mt. 32.08 ✓  
 647 Office In. 156.75 ✓  
 649 Meals / Lod. 134.50 ✓  
 657 Drapery 12.19 ✓  
 661 Comm. / Postage 8.50 X  
 344.02

#196.52 APPLICABLE TO LUG PROPERTY

131.25 25.50 134.50 52.77 TOTAL

#344.02

CASH ADVANCES	\$	DUE EMPLOYEE OR (COMPANY)	#344.02	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$					ISSUE CHECK FOR \$

649 MEALS AND LODGING

	TOTAL PROJECT	LUG PROPERTY
	\$ 1,231.85	\$ 721.50
	134.50	78.78
	=====	=====
TOTALS	\$ 1,366.35	<u>800.28</u>

EXPENSE REPORT OF: **SUPERIOR VENTURES**

PERIOD: **AUGUST 22 - SEPTEMBER 2, 1988** Page 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
AUG 22	VANCOUVER	TOPO MAPS	55.12						55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631 69.28 103.04	5.05						5.05 ✓
		GROCERIES 633 316.66 ✓	174.14						174.14 ✓
		BREAKFAST (2) 635 91.45 ✓	15.50			15.50			
	BRADBURN	LUNCH (2) 641 " 110. - ✓	16.50			16.50			
	CARMACKS	GAS 647 674.75 ✓	23.00				23.00		
		657 186.62 ✓							
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649 1231.85 ✓	10.94						10.94 ✓
		GROCERIES	3.10						3.10 ✓
		2435.37							
AUG 26	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
AUG 30	"	GROCERIES	76.78						76.78 ✓
		<del>GAS</del>							
		#721.50 APPLICABLE TO LUG							
SEPT 1	"	MOTEL (16 DAYS)	986.00			986.00			
"	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			
TOTAL									601.07

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____	LESS CHARGES AND CASH ADVANCES	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$ _____				
	\$ _____	DUE EMPLOYEE OR (COMPANY)			ISSUE CHECK FOR \$
	\$ _____				

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

2027 3-188 #992 (T-7799 08)

# YUKON PROJECT

NORTHERN DYNASTY - (CAN. 1)

PART OF: SUPERIOR VENTURES

PERIOD: AUG. 22 - SEPT. 2/88

Page 2 of 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LOADING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<u>SUBDIVISION OF EXPENSES*</u> →									
AUG 22 - SEPT 2 →									
LUG PROPERTY <del>684.58.57</del>									
LION PROPERTY 2%									
RECONNAISSANCE 15%									
SEPT. 3 → SEPT. 15 →									
LUG PROPERTY 100%									
*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES									
\$1543.56 APPLICABLE TO LUG PROPERTY									
TOTAL			\$2635.37	111.00	600.00	1231.85	91.45	601.07	

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____ \$ _____ \$ _____ \$ _____	LESS CHARGES AND CASH ADVANCES  DUE <u>EMPLOYEE</u> OR (COMPANY)	\$2635.37  \$2635.37	EMPLOYEE INITIALS  	APPROVAL INITIALS  	FOR ACCOUNTING DEPT. ONLY  ISSUE CHECK FOR \$
--------------------------------------	--	--	----------------------------	---------------------------	---------------------------	---

EXPENSE REPORT OF: SUPERIOR VENTURES

PERIOD: AUGUST 23 - NOVEMBER 25, 1988

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	SHIP; AIR; RR FARE	TAXI & OTHER TRANSP.	MEALS AND LOGGING	ENTERTAINMENT	OTHER	
								ITEM	AMOUNT
AUG 23	WHITEHORSE	HARDWARE	20.00						20.00
SEPT. 6	ROSS RIVER	GROCERIES	12.08						12.08
SEPT. 8	"	PHONE	8.50						8.50
SEPT. 9	"	MOTEL (1 NIGHT X 1 PERSON)	56.00			56.00			
		MEALS (4 DAYS X 1 PERSON)	78.50			78.50			
		EXCESS BAGGAGE	71.25	71.25					
	WHITEHORSE	EXCESS BAGGAGE	60.00	60.00					
	VANCOUVER	TAXI	17.00		17.00				
SEPT 13	"	TAXI	8.50		8.50				
NOV. 25	"	G.S.C. MAPS	12.19						12.19

633 Camp M. 32.08 ✓  
 647 Misc. In. 156.75 ✓  
 649 Meals / food. 134.50 ✓  
 657 Drisling 12.19 ✓  
 661 Comm. / Postage 5.50 X  
 344.02

#78.78 APPLICABLE TO LUG

#196.52 APPLICABLE TO LUG PROPERTY

131.25 25.50 134.50

52.77 TOTAL

#344.02

CASH ADVANCES	\$	DUE EMPLOYEE OR (COMPANY)	#344.02	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$					ISSUE CHECK FOR \$

651 CONSULTING FEES AND WAGES

	TOTAL PROJECT	LUG PROPERTY
	\$ 2,797.50	\$ 1,555.00
	1,990.00	1,990.00
	2,920.00	1687.50
	600.00	400.00
	=====	=====
TOTALS	\$ 8,307.50	<u>5,632.50</u>

DETAILED BREAKDOWN OF CONSULTING FEES

NAME	FIELDWORK	OFFICE WORK	TOTALS
G. Gorzynski	\$ 775.00	1,162.50	1,937.50
H.E. Ewen	0.	1,215.00	1,215.00
M. Kilby	1,820.00	260.00	2,080.00
K. Brumm	400.00	0.	400.00
	=====	=====	=====
TOTALS	<u>2,995.00</u>	<u>2,637.50</u>	<u>5,632.50</u>

SUPERIOR VENTURES  
INVOICE FOR SERVICES  
AUGUST 1-31, 1988

In account with :

Yukon Project  
Hoole River Property  
Northern Dynasty Explorations Ltd.

WAGES

George Gorzynski (10. <sup>5</sup> days x \$155./day)	\$1627.50
Mark Kilby (9 <sup>6</sup> days x \$130./day)	1170.00

BALANCE DUE:

\$ 2,797.50

# 1,555.00 APPLICABLE  
TO LUG PROPERTY

<b>NORTHERN DYNASTY EXPLORATIONS LTD.</b>		0992
844 W. HASTINGS STREET    PHONE (604) 682-3727 VANCOUVER, B.C. V6C 1C8		Sept. 30 19 88
PAY TO THE ORDER OF	GEORGE GORZYNSKI A/C 17 58535	\$ 7,799.08
Seven thousand, seven hundred and ninety-nine -----		08 100 DOLLARS
<b>NORTHERN DYNASTY EXPLORATIONS LTD.</b>		
<b>BANK OF BRITISH COLUMBIA</b> 999 WEST HASTINGS ST. PH. 668-4630 VANCOUVER, B.C. V6C 1M3		PER _____ PER _____
⑈0000992⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑈		⑈0000779908⑈

SUPERIOR VENTURES  
INVOICE FOR SERVICES  
NOVEMBER 1-30, 1988

In account with :

Yukon Project  
Hoole River Property  
Northern Dynasty Explorations Ltd.

WAGES

George Gorzynski (5 days x \$155./day)	\$ 775.00
H. Eric Ewen (9 days x \$135./day)	1215.00

BALANCE DUE:

\$1,990.00

ENTIRELY APPLICABLE  
TO LUG PROPERTY

APPROVED FOR  
PAYMENT

Pd. Dec 1 /88 #1099 (8175.00)

SUPERIOR VENTURES  
INVOICE FOR SERVICES  
DECEMBER 1-31, 1988

In account with :

Yukon Project  
Northern Dynasty Explorations Ltd.

---

WAGES

George Gorzynski ( <sup>2.5</sup> 7 days x \$155./day)	\$1085.00
H. Eric Ewen (3 days x \$135./day)	405.00
Mark Kilby ( <sup>10</sup> 11 days x \$130./day - September)	1430.00

BALANCE DUE:

\$ 2920.00

# 1687.50 APPLICABLE  
TO LOG PROPERTY

PA. Dec 30 / 88 # 1637 (\$10440.66)



# KETZA ENTERPRISES LTD.

709 ~~#580~~ - 744 West Hastings Street  
Vancouver, B.C. V6C 1A5

Blake S. Macdonald, Pres.

Phone (604) 669-4744

January 13, 1989

Northern Dynasty Explorations Ltd.,  
844 West Hastings Street.  
Vancouver, B.C.

Attention: Glenn Simpson

Re: Log Claims

Invoice

1 man for 3 days @ \$200/day.....	\$600.00
Total	\$600.00

#400.00 APPLICABLE  
TO LOG PROPERTY

File # 88-2000

651

657 DRAFTING

	TOTAL PROJECT	LUG PROPERTY
	\$ 106.62	\$ 62.45
	138.45	138.45
	138.45	138.45
	64.59	29.52
	12.19	7.14
	=====	=====
TOTALS	\$ 460.30	<u>376.01</u>

EXPENSE REPORT OF: SUPERIOR VENTURES

PERIOD: AUGUST 22 - SEPTEMBER 2, 1988

PAGE 1 of 1

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
AUG 22	VANCOUVER	TOPO MAPS	\$ 55.12						\$ 55.12 ✓
"	"	FLARE GUN	33.76						33.76 ✓
"	"	PARKING	9.00						9.00 ✓
AUG 23	WHITEHORSE	AIR FREIGHT (BUCKETS)	65.75						65.75 ✓
		GOVERNMENT PUBLICATION	45.00						45.00 ✓
		CLAIM MAPS	6.50						6.50 ✓
		FIELD EQUIPMENT	20.98						20.98 ✓
		HARDWARE	20.32						20.32 ✓
		TAPS	11.99						11.99 ✓
		FIELD EQUIPMENT 631 69.28 103.04 ✓	5.05						5.05 ✓
		GROCERIES 633 316.66 ✓	174.14						174.14 ✓
		BREAKFAST (2) 635 91.45 ✓	15.50			15.50			
	BRABURN	LUNCH (2) 641 " 110. - ✓	16.50			16.50			
	CARMACKS	GAS 647 674.75 ✓	23.00				23.00		
		657 106.62 ✓							
AUG 24	ROSS RIVER	FIELD EQUIPMENT 649 1231.85 ✓	10.94						10.94 ✓
		GROCERIES	3.10						3.10 ✓
		2235.37							
AUG 29	"	FLAGGING TAP + GROCERIES	62.64						62.64 ✓
AUG 30	"	GROCERIES	76.78						76.78 ✓
		<u>\$62.45 APPLICABLE TO LOG</u>							
SEPT 1	"	MOTEL (16 DAYS)	986.00			986.00			
	"	MEALS (2 PERSONS X 10 DAYS)	213.85			213.85			

TOTAL

601.07

CHARGED TO COMPANY AND CASH ADVANCES	\$ _____	LESS CHARGES AND CASH ADVANCES	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$ _____				
	\$ _____	DUE EMPLOYEE OR (COMPANY)	/ /	/ /	ISSUE CHECK FOR \$
	\$ _____				

(SEE REVERSE SIDE FOR GENERAL INSTRUCTIONS)

2027 3.158 # 992 (T-7799 08)

ART OF:

SUPERIOR VENTURES

PERIOD: AUG. 22 - SEPT. 2/88

PAGE 2 OF 2

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	AIR TRAVEL	MISC. TRANSP. / TAXI	MEALS AND LODGING	FUEL	OTHER	
								ITEM	AMOUNT
SEPT 2	ROSS RIVER	GAS	*37.70				37.70		
	WHITEHORSE	TRUCK LEASING (11 DAYS)	600.00		600.00				
	"	AIRFARE (M. KILBY - ROSS RIVER → WHITEHORSE)	111.00	111.00					
	"	GAS	30.75				30.75		
<u>SUBDIVISION OF EXPENSES*</u> →									
AUG 22 - SEPT. 2 →									
LUG PROPERTY <del>81.58.574</del>									
LION PROPERTY <del>281.</del>									
RECONNAISSANCE <del>51.</del>									
SEPT. 3 → SEPT. 15 →									
LUG PROPERTY 100%.									
*ALSO APPLICABLE TO HELICOPTER COSTS AND WAGES									
#1543.56 APPLICABLE TO LUG PROPERTY									
TOTAL			*2635.37	111.00	600.00	1231.85	91.45		601.07
CHARGED TO COMPANY AND CASH ADVANCES	{ _____ \$ _____ _____ \$ _____ _____ \$ _____ _____ \$ _____	LESS CHARGES AND CASH ADVANCES		EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY			
		DUE EMPLOYEE OR (COMPANY)	*2635.37	<i>[Signature]</i>	<i>[Signature]</i>	ISSUE CHECK FOR \$			







**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

1626

Dec. 30 19 88

PAY TO THE ORDER OF VANCAL

\$ 854.83

Eight hundred and fifty-four ----- 83 DOLLARS  
100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER \_\_\_\_\_

PER \_\_\_\_\_

⑈0001626⑈

⑆00020⑆⑆016⑆ 30632⑆⑆02⑈

⑈0000085483⑈

FOR DEPOSIT ONLY  
TO THE CREDIT OF  
VANCAL EXPLORATIONS LTD.  
ACCOUNT # 123 143 0

JA 89 05

ROYAL BANK  
BRITISH  
COLUMBIA

PG

05 JAN 90

162750

5 9 9 5 0 8 2 4

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EXPENSE REPORT OF:

SUPERIOR VENTURES

PERIOD:

AUGUST 23 - NOVEMBER 25, 1988

DATE	LOCATION	BUSINESS PURPOSE AND DESCRIPTION	TOTAL AMOUNT	SHIP; AIR; RR FARE	TAXI & OTHER TRANSP.	MEALS AND LODGING	ENTERTAINMENT	OTHER	
								ITEM	AMOUNT
Aug 23	WHITEHORSE	HARDWARE	\$ 20.00						20.00
SEPT. 6	ROSS RIVER	GROCERIES	12.08						12.08
SEPT. 8	"	PHONE	8.50						8.50
SEPT. 9	"	MOTEL (1 NIGHT X 1 PERSON)	✓ 56.00			56.00			
		MEALS (4 DAYS X 1 PERSON)	✓ 78.50			78.50			
		EXCESS BAGGAGE	✓ 71.25	71.25					
	WHITEHORSE	EXCESS BAGGAGE	✓ 60.00	60.00					
	VANCOUVER	TAXI	✓ 17.00		17.00				
SEPT 13	"	TAXI	✓ 8.50		8.50				
NOV. 25	"	G.S.C. MAPS	12.19						12.19

633 Camp M. 32.08 ✓  
 647 Misc. In. 156.75 ✓  
 649 Meals / Lod. 134.50 ✓  
 651 Printing 12.19 ✓  
 661 Comm. / Postage 9.50 X  
 344.02

#7.14 APPLICABLE TO LUG

#196.52 APPLICABLE TO LUG PROPERTY

131.25 25.50 134.50

52.77 TOTAL

CASH ADVANCES	\$	DUE EMPLOYEE OR (COMPANY)	\$344.02	EMPLOYEE INITIALS	APPROVAL INITIALS	FOR ACCOUNTING DEPT. ONLY
	\$					ISSUE CHECK FOR \$

**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

1099

December 1 19 88

PAY TO THE ORDER OF GEORGE GORZYNSKI

\$ 8,175.00

Eight thousand, one hundred and seventy-five ----- XX DOLLARS

100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER \_\_\_\_\_

PER \_\_\_\_\_

⑈0001099⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑆ ⑆0000817500⑆

DE '88 01  
C.I.L.C.  
DATA CENTRE

REC-11  
DEC-7 1988  
DEC 10 1988  
I.D.

For Deposit:  
(10) 17-58535

# 1 7 9 8 2 4 1 1

# 6 5 5 1 0 6 1 4

659 ASSAYS AND ANALYSES

	TOTAL PROJECT	LUG PROPERTY
	\$ 66.25	\$ 66.25
	2,446.32	547.63
	223.00	223.00
	=====	=====
TOTALS	\$ 2,735.57	<u>836.88</u>

ALVIN A

ORIES LTD.

PHONE: 253-3158

852 1st Hastings St., Vancouver, B.C. V6A 1R6

File: 88-1515R

Date: AUG 31 1988

NORTHERN DYNASTY EXPLORATION  
844 W. HASTINGS ST.  
VANCOUVER, BC  
V6C 1C8

TERMS:  
NET TWO WEEKS -  
1½% PER MONTH CHARGED ON  
OVERDUE ACCOUNTS.

NUMBER	ASSAY	PRICE	AMOUNT
7	30 ELEMENT ICP ANALYSIS @	6.25	43.75
7	GEOCHEM HG ANALYSIS BY FLAMLESS AA @	2.50	17.50
			<del>61.25</del>
	SURCHARGE FOR UNDER 20 SAMPLES PER BATCH		5.00
	TOTAL		66.25

*Yuk. 659*

*Pd. Sept 12/88 # 913.*

*LOG PROPERTY*

PLEASE PAY LAST AMOUNT →

# ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

852 West Hastings St., Vancouver, B.C. V6A 1R6

File: 88-4299

Date: SEPT 14 1988

NORTHERN DYNASTY EXPLORATION  
 844 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6C 1C8

TERMS:  
 NET TWO WEEKS  
 1 1/2% PER MONTH CHARGED ON  
 OVERDUE ACCOUNTS

NUMBER	ASSAY	PRICE	AMOUNT
	PROJECT : YUKON		
171	30 ELEMENT ICP ANALYSIS @	6.25	1068.75
171	GEOCHEM AU ANALYSIS BY ACID LEACH (10 GM) @	4.50	769.50
84	ROCK SAMPLE PREPARATION @	3.00	252.00
25	STREAM SED. SAMPLE PREPARATION @	0.85	21.25
12	FULVERIZING STREAM SED. SAMPLE @	1.50	18.00
62	SOIL SAMPLE PREPARATION @	0.85	52.70
			-----
			2182.20
	CANADIAN AIRLINES W/B #018-57379210		264.12
			-----
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     \$547.63 APPLICABLE                      TO LUG PROPERTY                      YEIP                 </div>	TOTAL	2446.32
	Y.T. APPROVED FOR PAYMENT		

PLEASE PAY LAST AMOUNT →

# ACME ANALYTICAL LABORATORIES LTD.

PHONE: 253-3158

852 East Hastings St., Vancouver, B.C. V6A 1R6

File: BB-4654

Date: Sep 27 1988

NORTHERN DYNASTY EXPLORATION  
 844 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6C 1C8

TERMS:  
 NET TWO WEEKS -  
 1 1/2% PER MONTH CHARGED ON  
 OVERDUE ACCOUNTS

NUMBER	ASSAY	PRICE	AMOUNT
	PROJECT : LUG		
15	30 ELEMENT ICP ANALYSIS @	6.25	93.75
15	GEOCHEM AU ANALYSIS BY FA+AA FROM 10 GM SAMPLE @	6.00	90.00
5	SOIL SAMPLE PREPARATION @	0.85	4.25
10	ROCK SAMPLE PREPARATION @	3.00	30.00
			-----
	SURCHARGE FOR UNDER 20 SAMPLES PER BATCH		218.00
			5.00
	TOTAL		----- 223.00

YCT  
**APPROVED FOR  
 PAYMENT**

LUG  
 PROPERTY

PLEASE PAY LAST AMOUNT

**NORTHERN DYNASTY EXPLORATIONS LTD.**

844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

0973

Sept. 12 19 88

PAY TO THE ORDER OF ACME ANALYTICAL \$ 2,788.20

Two thousand, seven hundred and eight-eight ----- 20 DOLLARS  
100

NORTHERN DYNASTY EXPLORATIONS LTD.

**BANK OF BRITISH COLUMBIA**

999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

PER [Signature]  
PER [Signature]

⑈0000973⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑆ ⑆0000278820⑆

SE '88 13

ROYAL BANK  
BRITISH COLUMBIA PC

24 25  
THE ROYAL BANK OF CANADA  
VANCOUVER BRANCH  
VANCOUVER, B.C.  
00740-003

⑈0000973⑈ ⑆00020⑆016⑆ 30632⑆6⑆02⑆ ⑆0000278820⑆

PER [Signature]  
PER [Signature]  
NORTHERN DYNASTY EXPLORATIONS LTD.

BANK OF BRITISH COLUMBIA  
999 WEST HASTINGS ST. PH. 668-4630  
VANCOUVER, B.C. V6C 1M3

Two thousand, seven hundred and eight-eight ----- 20 DOLLARS

PAY TO THE ORDER OF ACME ANALYTICAL \$ 2,788.20

Sept. 12 19 88

NORTHERN DYNASTY EXPLORATIONS LTD.  
844 W. HASTINGS STREET PHONE (604) 682-3727  
VANCOUVER, B.C. V6C 1C8

0973

660 EQUIPMENT RENTAL

	TOTAL PROJECT	LUG PROPERTY
	\$ 840.00	\$ 840.00
	=====	=====
TOTALS	\$ 840.00	<u>840.00</u>



December 31, 1988

I N V O I C E

TO YUKON (LUG) PROJECT :

Geonics Ronka VLF/EM (14 days @ \$30./day)	\$ 420.00
Fluxgate Magnetometer (14 days @ \$30./day)	420.00
	=====
TOTAL	\$ 840.00

**Northern Dynasty  
Explorations Ltd.**

**New Dynasty  
Mines (U.S.), Inc.**

844 West Hastings Street  
Vancouver  
British Columbia  
V6C 1C8  
(604) 682-3727

Appendix 4

Chemical Analyses

LUG - COMPLETE SET OF ANALYSES

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: MAY 20 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158

FAX(604)253-1716

DATE REPORT MAILED:

May 26/88

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: P1-P2 SOIL P3-P4 STREAM SED P5 ROCK  
AU\* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: ..... *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

NORTHERN DYNASTY File # 88-1515 Page 1

SAMPLE# AU\*  
ppb

EY8-S 1 4  
EY8-S 2 1

GY8-S 1 9

GY8-S 2 152

NORTHERN DYNASTY

FILE # 88-1515

Page 3

SAMPLE#	AU* ppb
EY8-SS 1	1
EY8-SS 2	1
EY8-SS 3	1
EY8-SS 4	1
EY8-SS 5	1
EY8-SS 6	1
EY8-SS 7	1
EY8-SS 8	1

NORTHERN DYNASTY

FILE # 88-1515

Page 4

SAMPLE#

AU\*  
ppb

GY8-SS 1	1
GY8-SS 2	2
GY8-SS 3	1
GY8-SS 4	12
GY8-SS 5	14

NORTHERN DYNASTY FILE # 88-1515

Page 5

SAMPLE# AU\*  
ppb

EY8-R 1 1

GY8-R 1 1  
GY8-R 2 10340  
GY8-R 3 3140  
GY8-R 4 98  
GY8-R 5 630

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA YI B V AND LIMITED FOR NA K AND AL. AD DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Pulp HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 20 1988

DATE REPORT MAILED: Aug 31/88

ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORTHERN DYNASTY EXPLORATION

File # 88-1515R

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Hg
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
GTB-S 2	2	1076	24	212	.4	92	59	632	4.32	2657	5	ND	13	36	1	3	11	32	.58	.081	289	32	.75	227	.01	23	2.48	.01	.13	1	100
GTB-S 4	1	37	12	135	.3	40	15	2104	3.33	265	5	ND	2	57	1	3	2	38	1.43	.104	28	24	.67	316	.01	8	1.15	.01	.13	1	90
GTB-S 5	1	47	10	131	.4	33	13	1945	2.87	96	5	ND	3	56	1	3	2	36	1.31	.096	25	22	.63	309	.01	26	1.12	.01	.12	1	70
GTB-R 2	1	1672	1729	144	7.5	27	40	187	15.76	20056	5	7	8	7	2	63	9	6	.09	.013	11	9	.43	8	.01	12	.99	.01	.10	1	20
GTB-R 3	1	859	510	224	3.2	35	27	488	9.31	19769	5	2	12	12	2	20	2	11	.31	.025	53	19	.88	24	.01	5	1.83	.01	.12	1	30
GTB-R 4	1	524	9	25	.2	9	7	395	.83	101	5	ND	3	27	1	3	2	4	1.88	.021	27	7	.19	19	.01	2	.35	.01	.07	1	10
GTB-R 5	1	19699	8	160	11.7	3	7	61	3.01	14	5	ND	1	2	1	4	6	2	.08	.004	3	4	.04	9	.01	8	.12	.01	.03	1	60
STD C	17	57	41	131	7.2	67	27	1084	4.01	44	18	7	36	47	18	17	20	56	.48	.080	39	56	.94	176	.06	32	1.97	.06	.13	12	1400

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.

THIS LEACH IS PARTIAL FOR NH FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: P1-P3 ROCK P4 STREAM SED. P5-P6 SOIL AU\* ANALYSIS BY ACID LEACH/A FROM 10 GM SAMPLE. P. -20 mesh, Pulverized.

DATE RECEIVED: SEP 6 1988

DATE REPORT MAILED: Sept 14/88

ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORTHERN DYNASTY EXPL. LTD. PROJECT YUKON File # 88-4299 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	W	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
GT8-R-117	1	38	3	38	.1	20	9	160	2.33	9	5	ND	4	3	1	2	2	11	.10	.020	11	11	.44	22	.03	2	.81	.01	.09	2	1
GT8-R-118	1	50	5	81	.3	33	15	444	4.84	2	5	ND	12	12	1	2	2	32	.21	.058	40	29	1.24	70	.08	3	2.38	.01	.30	1	1
GT8-R-119	1	42	7	52	.3	26	10	876	4.57	39	5	ND	12	35	1	2	2	22	2.34	.051	20	24	.89	28	.02	4	1.95	.01	.12	2	2
GT8-R-120	1	29	5	43	.2	25	13	336	3.53	11	5	ND	4	8	1	2	2	21	.32	.036	26	19	.69	26	.02	2	1.36	.01	.05	2	1
GT8-R-121	1	15	3	35	.3	18	8	261	1.84	4	5	ND	3	4	1	2	2	11	.15	.031	14	9	.40	17	.02	2	.74	.01	.04	3	2

SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM

NK8-R-18	1	1146	17380	11357	10.9	10	18	326	1.39	32	5	ND	7	646	23	6	33	3	12.36	.033	15	6	.22	27	.01	5	.34	.01	.07	3	37
STD C/AU-2	18	59	42	132	6.8	64	29	1059	4.07	42	24	7	40	48	18	16	20	58	.49	.091	38	56	.90	178	.07	32	1.98	.06	.13	12	530

✓ ASSAY REQUIRED FOR CORRECT RESULT -

NORTHERN DYNASTY EXPL. LTD. PROJECT YUKON FILE # 88-4299

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
GT8-SS-100	1	32	10	105	.2	27	12	1230	2.43	110	5	ND	1	45	1	2	2	25	1.02	.104	20	16	.53	237	.01	5	.77	.01	.05	1	8
GT8-SS-101	1	15	6	79	.1	18	7	1009	1.79	7	5	ND	1	42	1	2	2	24	.81	.098	12	14	.42	223	.01	4	.68	.01	.05	1	3
GT8-SS-102	1	24	17	112	.2	30	17	1698	3.14	123	5	ND	1	47	1	2	2	32	1.04	.094	17	20	.70	301	.01	2	.92	.01	.06	1	11

STD C/AU-5	18	58	41	131	6.8	68	29	1013	4.16	42	22	8	37	47	18	16	18	58	.50	.093	39	56	.92	177	.06	32	2.01	.06	.13	12	48
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NORTHERN DYNASTY EXPL. LTD. PROJECT-YUKON FILE # 88-4299

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM

YL 4N 700V	2	11	14	87	.2	23	7	174	2.43	19	5	ND	3	18	1	2	2	37	.27	.042	15	21	.43	307	.01	4	1.08	.01	.08	1	1
YL 4N 675V	1	16	11	69	.4	24	6	191	2.19	19	5	ND	2	30	1	2	2	29	.55	.066	15	19	.39	396	.01	3	1.04	.01	.07	1	1
YL 4N 650V	1	16	15	109	.3	27	8	253	2.58	20	5	ND	3	23	1	2	2	33	.37	.057	18	23	.49	408	.02	4	1.13	.01	.08	1	2
YL 4N 625V	1	15	12	92	.3	27	8	240	2.16	14	5	ND	4	23	1	2	2	29	.35	.073	20	21	.42	307	.02	2	.90	.01	.07	1	9
YL 4N 500V	1	15	22	89	.5	26	9	369	2.44	21	5	ND	3	38	1	2	2	30	.71	.068	19	20	.44	478	.02	2	.99	.01	.07	2	1
YL 4N 575V	1	17	12	74	.3	27	9	329	2.42	30	5	ND	2	32	1	2	2	29	.57	.072	18	21	.48	349	.01	2	.97	.01	.05	1	1
STD C/AU-S	18	57	41	132	6.7	68	29	1056	4.19	45	18	7	37	47	18	16	18	58	.49	.091	39	55	.91	175	.06	32	1.97	.06	.13	12	49

NORTHERN DYNASTY EXPL. LTD. PROJECT YUKON FILE # 88-4299

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	V PPM	Au* PPM
YL 4W 550W	1	41	22	105	.7	28	8	312	2.06	4	5	ND	1	119	1	2	2	36	2.33	.072	16	22	.60	635	.01	6	1.15	.01	.09	1	3
YL 4W 525W	2	18	16	106	.1	22	10	435	2.57	10	5	ND	1	36	1	2	2	43	.55	.054	17	25	.51	287	.01	4	1.14	.01	.08	1	4
YL 4W 500W	2	25	16	111	.2	29	10	407	2.70	7	5	ND	3	42	1	2	2	48	.68	.057	19	29	.59	411	.01	3	1.32	.01	.09	1	1
YL 4W 475W	2	35	13	128	.2	32	11	478	2.77	7	5	ND	3	39	1	2	2	50	.62	.053	19	28	.60	387	.01	3	1.37	.01	.10	1	3
YL 4W 450W	2	33	15	121	.3	35	10	395	2.77	7	5	ND	3	38	1	2	2	50	.63	.051	20	29	.59	470	.01	3	1.47	.01	.10	1	26
YL 4W 425W	1	21	11	71	.2	21	6	320	1.79	2	5	ND	1	58	1	2	2	31	1.28	.049	13	20	.46	363	.01	2	1.00	.01	.07	1	1
YL 4W 325W	1	22	15	91	.3	25	10	1031	2.22	9	5	ND	1	83	1	2	2	32	1.82	.084	15	22	.55	334	.01	4	1.06	.01	.06	1	1
YL 4W 300W	1	29	15	97	.3	29	9	368	2.45	14	5	ND	5	102	1	2	2	28	3.52	.105	22	23	.91	333	.02	6	.98	.01	.04	2	26
YL 4W 275W	2	19	12	76	.1	30	10	268	2.99	9	5	ND	4	19	1	2	2	35	.32	.061	20	31	.62	276	.01	2	1.40	.01	.05	1	3
YL 4W 250W	2	14	12	68	.1	25	8	171	2.58	7	5	ND	3	16	1	2	2	37	.29	.040	17	29	.50	323	.01	2	1.27	.01	.05	1	1
YL 4W 225W	2	12	15	74	.1	18	7	217	2.50	3	5	ND	4	17	1	2	2	37	.27	.050	20	23	.39	336	.02	3	1.08	.01	.06	1	1
YL 4W 200W	2	34	16	92	.4	31	10	342	2.26	19	5	ND	2	78	1	2	2	34	2.21	.105	19	23	.63	334	.02	7	.97	.01	.10	2	5
YL 4W 175W	2	31	19	106	.2	31	10	366	2.75	15	5	ND	3	33	1	2	2	42	.54	.055	21	26	.55	301	.02	2	1.15	.01	.11	1	72
YL 4W 150W	2	25	15	126	.4	29	10	375	2.60	9	5	ND	4	43	1	2	2	47	.60	.102	20	27	.60	291	.01	4	1.20	.01	.14	1	1
YL 4W 125W	2	33	14	137	.3	29	9	383	2.30	14	5	ND	2	57	1	2	2	38	1.34	.059	15	23	.58	325	.01	7	1.05	.02	.12	2	10
YL 4W 100W	2	15	15	182	.1	24	12	796	3.44	21	5	ND	2	18	1	2	2	53	.22	.145	16	34	.53	246	.01	2	1.38	.01	.09	1	1
YL 4W 75W	1	14	18	111	.2	25	13	586	3.19	25	5	ND	4	16	1	2	2	46	.21	.107	19	35	.58	295	.01	4	1.46	.01	.08	1	1
YL 4W 50W	1	18	14	109	.2	28	10	481	2.97	17	5	ND	5	19	1	2	2	44	.29	.078	22	37	.66	281	.01	4	1.62	.01	.08	1	1
YL 4W 25W	1	11	13	212	.1	25	9	449	2.60	5	5	ND	3	16	1	2	2	38	.29	.034	17	29	.54	218	.01	2	1.40	.01	.07	1	1
YL 4W 0W	2	10	17	106	.1	20	6	259	2.51	12	5	ND	4	12	1	2	2	33	.22	.029	20	23	.41	119	.02	3	.87	.01	.06	1	1
YL 4W 25E	2	7	11	91	.1	16	5	194	2.33	9	5	ND	3	13	1	2	2	31	.24	.051	18	24	.40	97	.02	2	.76	.01	.06	1	1
0+00 0+05W A1	1	38	9	62	.3	18	5	148	1.18	7	5	ND	1	90	1	2	2	20	2.16	.051	8	12	.26	517	.01	2	.69	.01	.04	1	1
0+00 0+05W A2	1	45	9	50	.4	25	6	495	1.20	3	5	ND	1	123	1	2	2	19	2.95	.054	10	16	.30	642	.01	4	.74	.01	.04	2	1
0+00 0+05W A3	1	22	4	29	.4	9	3	549	.40	2	5	ND	2	234	1	2	2	6	5.65	.069	3	4	.26	553	.01	8	.25	.01	.03	1	2
0+00 0+05W T1	1	80	14	109	.7	45	12	679	2.65	22	5	ND	1	55	1	2	2	38	1.10	.061	27	27	.56	494	.01	2	1.20	.01	.09	1	1
0+00 0+05W T2	1	61	17	133	.6	38	11	414	2.27	9	5	ND	1	80	1	2	2	37	1.63	.068	21	27	.58	384	.01	3	1.19	.01	.09	1	3
STD C/A0-5	18	58	37	132	6.6	67	29	1062	4.02	38	22	6	37	47	17	20	19	57	.48	.091	38	56	.89	177	.07	32	1.97	.06	.14	11	48

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR NG BA TI B V AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1 SOIL P2 ROCK A0\*\* ANALYSIS BY PA+AA FROM 10 GM SAMPLE.

*YUT LUG*

DATE RECEIVED: SEP 20 1988 DATE REPORT MAILED: *Sept 27/88* ASSAYER: *C. Leong* D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORTHERN DYNASTY EXPL. LTD. PROJECT LUG File # 88-4654 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	V	As**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
NY85-1	2	17648	19	192	23.9	41	34	458	10.67	45	5	ND	22	43	2	3	3	21	1.20	.068	39	28	.52	70	.01	2	1.79	.01	.09	1	3215
NY85-2	1	168	16	76	.2	40	12	905	1.68	28	5	ND	3	57	3	2	2	18	3.23	.042	17	19	.47	365	.01	4	.62	.01	.07	1	6
NY85-3	1	310	27	128	.6	65	20	1755	2.78	43	5	ND	5	90	2	2	2	29	3.48	.095	30	31	.81	555	.02	2	1.05	.02	.16	1	48
NY85-4	1	84	36	139	.1	79	22	2947	2.97	89	5	ND	6	80	2	2	2	28	2.56	.084	25	28	.80	469	.02	2	1.03	.02	.14	1	10
NY85-5	1	915	29	170	.1	83	84	1997	4.77	118	5	ND	16	69	3	3	2	29	2.12	.082	85	42	.91	395	.03	3	1.46	.01	.14	1	1
STD C/AU-S	17	59	40	132	6.7	70	31	1029	3.84	40	20	8	38	49	19	16	13	61	.46	.091	40	57	.85	179	.07	33	1.95	.06	.16	11	51

NORTHERN DYNASTY EXPL. LTD. PROJECT LUG FILE # 88-4654

Page 2

SAMPLE#	Mc PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Ce PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Ac** PPB
MY88-19	1	19	5	40	.1	13	6	201	1.79	12	5	ND	5	125	1	2	2	16	1.47	.011	15	25	.52	70	.05	2	1.42	.08	.35	6	1
MY88-20	1	26	2	36	.1	13	9	215	1.73	4	5	ND	3	4	1	2	2	5	.05	.015	10	13	.36	13	.01	2	.74	.01	.04	7	1
MY88-21	1	16526	5	218	9.9	10	8	123	4.22	11	5	ND	2	5	2	2	2	7	.04	.012	5	13	.25	58	.01	4	.55	.01	.10	8	430
MY88-22	1	8506	6	98	4.1	10	7	329	3.95	10	5	ND	6	8	1	2	2	14	.17	.028	15	15	.81	47	.03	4	1.32	.01	.10	3	193
MY88-23	1	4831	3	65	4.6	13	8	178	3.45	12	5	ND	7	7	1	2	2	12	.08	.028	16	16	.40	52	.02	2	.77	.01	.11	4	220
MY88-24	1	23	2292	2211	2.8	20	12	764	1.54	42	5	ND	9	254	22	2	2	10	9.66	.034	25	17	.49	44	.05	6	1.74	.01	.02	1	8
MY88-25	1	56	8	41	.1	34	26	429	3.54	7	5	ND	9	9	1	2	2	28	.22	.037	27	26	.75	44	.05	5	1.24	.03	.12	3	1
MY88-26	1	38	20	73	.1	21	10	393	2.91	5	5	ND	5	19	1	2	2	22	.41	.047	19	24	.69	31	.03	2	1.53	.02	.05	2	1
MY88-27	1	29	6	78	.2	34	18	926	4.62	6	5	ND	4	31	1	2	2	20	2.59	.029	14	19	1.42	43	.02	2	2.44	.01	.09	4	1
MY88-28	1	29	5	46	.1	14	5	514	2.28	97	5	ND	1	33	1	2	2	7	.70	.013	3	6	.57	32	.01	2	.78	.01	.04	2	:
STD C/AU-2	15	58	43	135	6.9	68	30	1013	4.01	43	18	8	37	47	18	20	19	59	.48	.093	38	57	.90	179	.07	33	2.03	.06	.15	11	480

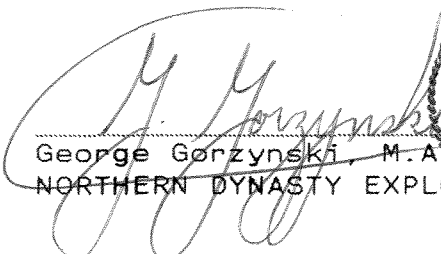
Appendix 5

Author's Certification

AUTHOR'S CERTIFICATION

I, George Gorzynski, of 3836 West 16 Avenue, Vancouver, British Columbia, hereby certify as follows :

1. That I am a registered Professional Engineer in the Province of British Columbia.
2. That I graduated from the University of Toronto with a Bachelor of Applied Science Degree in Geological Engineering / Mineral Exploration in 1978, and from the University of British Columbia with a Master of Applied Science Degree in Economic Geology in 1986.
3. That I have practised my profession since 1978.
4. That I supervised and participated in the fieldwork and then authored this report based on the 1988 program on the Lug Property.

  
George Gorzynski, M.A.Sc., P.Eng.  
NORTHERN DYNASTY EXPLORATIONS LTD.

