



53B15NW0020 53B15NW0019 SEESEEP LAKE

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ONTARIO GOLD JOINT VENTURE

Eyapamikama Lake - North Rim Properties

Arseno Lake
Castor Lake
McGruer Lake

1985 Assessment Report

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Prepared for:

MINING LANDS SECTION

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Claim Maps - Keeyask Lake/G-2085; Seeseep Lake/G-2204

N.T.S. 53B 14/15
90°58'W Longitude; 52°58.5'N Latitude

October, 1985

2.8709



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(i)

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SUMMARY

Northern Dynasty Explorations Ltd., as operator for the Ontario Gold Joint Venture, holds three claim blocks, totalling 115 claims, north of Eyapamikama Lake in northwestern Ontario. These claims cover significant arsenopyrite-gold mineralization associated with iron formation horizons in a one kilometer wide ductile shear zone. This report discusses the results of the 1985 field program which included geological mapping, soil and rock geochemical sampling and ground magnetic and EM-16 surveying on portions of the claim blocks.

- Program Results:
1. Previously discovered gold showings were further exposed and sampled.
 2. Several new showings and occurrences were discovered.

EYAPAMIKAMA LAKE - NORTH RIM PROPERTIES

1985 Assessment Report

1. Background Information

1.1 Introduction

A total of 115 claims in three blocks is held by Northern Dynasty Explorations Ltd. in trust for the Ontario Gold Joint Venture, north of Eyapamikama Lake in northwestern Ontario. The three blocks, known as the Arseno Lake, Castor Lake and McGruer Lake Properties, are collectively referred to as the North Rim Properties.

These claims lie in the same "greenstone" belt and cover similar host lithologies as the Opapimiskan Lake Gold Deposit (reported reserves: 2.9 million tonnes grading 5.78 g/tonne gold) located 48 km to the southeast which is being developed through a consortium headed by Dome Exploration.

1.2 Location and Access

The North Rim Properties are located 170 km north of Pickle Lake, northwestern Ontario (Fig. 1, Table 1).

Access to the area in the summer months is by float plane from Pickle Lake or Windigo, 55 km southwest of the claims at the terminus of Highway 599. Winter access is by ski-equipped float plane from Pickle Lake or via the Weagamow Indian Reserve winter road and a connecting system of lakes.

1.3 Physiography

The area bordering Eyapamikama Lake is characterized by low-lying areas of muskeg and boulder till. Further to the north, an east-west mafic volcanic ridge is present with relief up to 120 m. Bedrock exposure, however, is good in many of the low-lying areas of the three properties. Clay deposits were not observed. Glacial striae and drumlins are consistently oriented at about 225° Az throughout the belt.

1.4 Claim Status and Titles

A total of 115 claims in three blocks is held by Northern Dynasty Explorations Ltd. in trust for the Ontario Gold Joint Venture (Northern Dynasty Explorations Ltd., Newfields Minerals Inc., Westfield Minerals Limited and Dunlop Explorations, see Table 1). The addresses of the property holders are listed in Appendix 1. The claims are located in the Patricia Mining Division of Ontario with recording offices in Sioux Lookout.

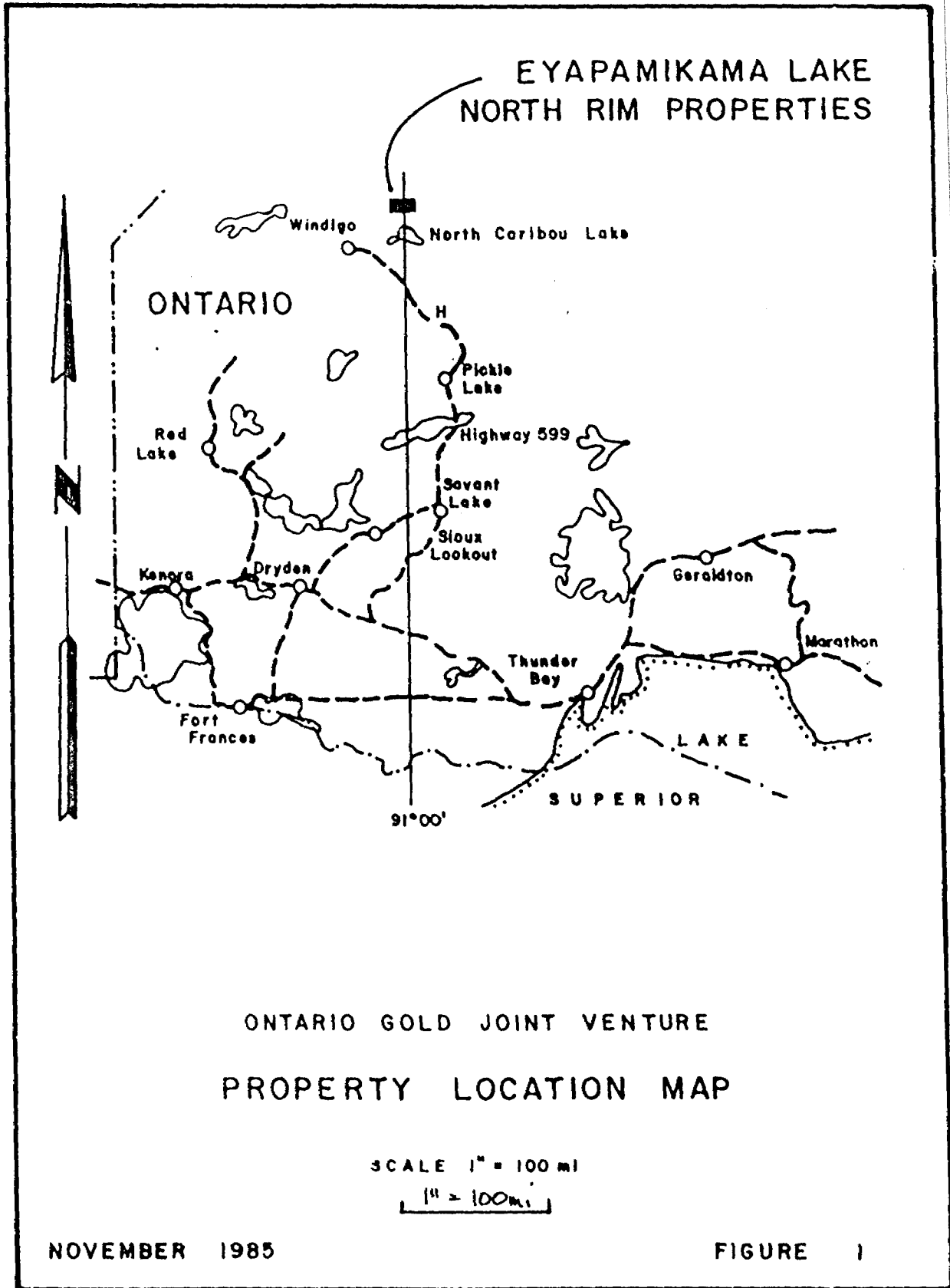
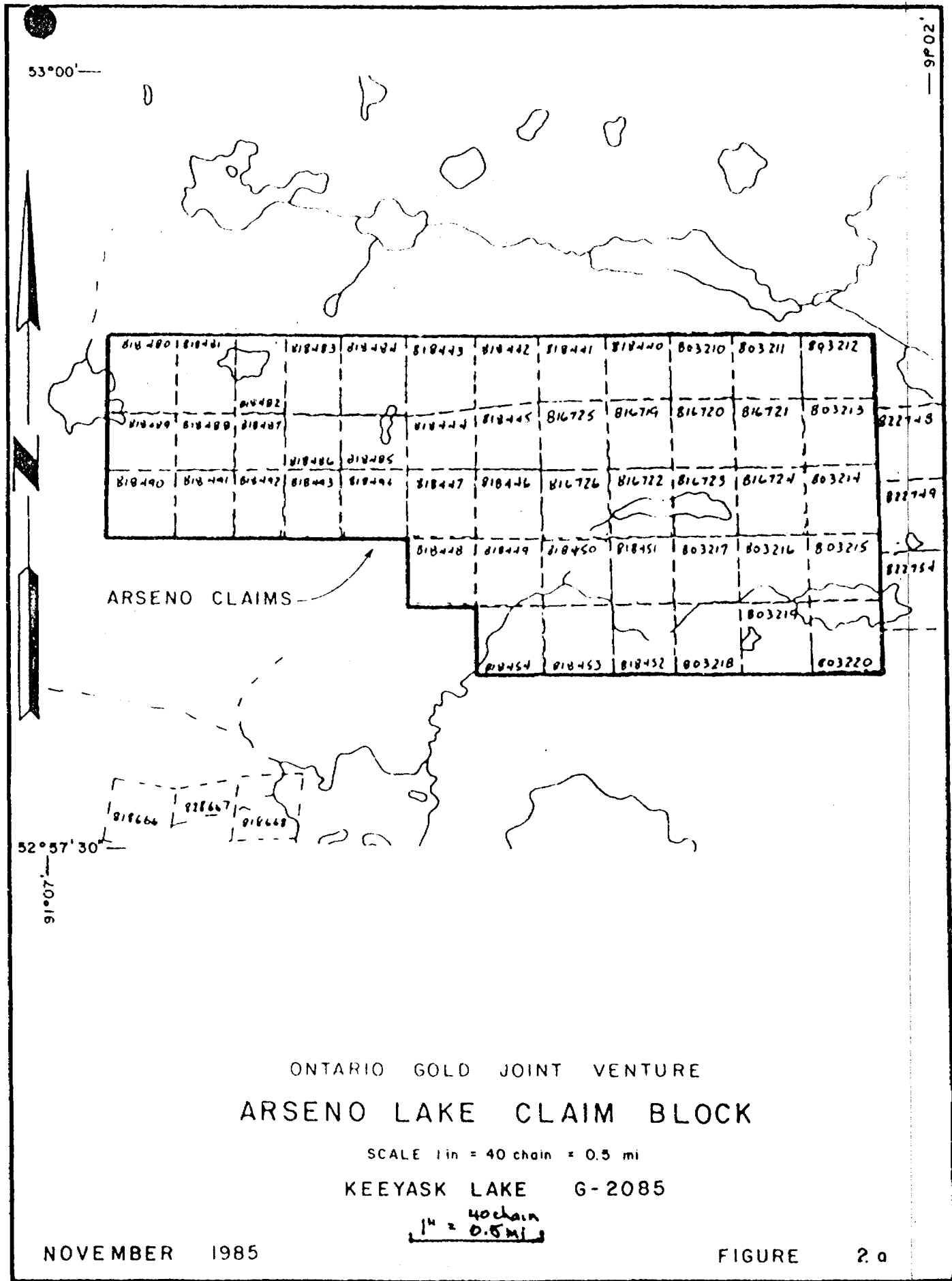


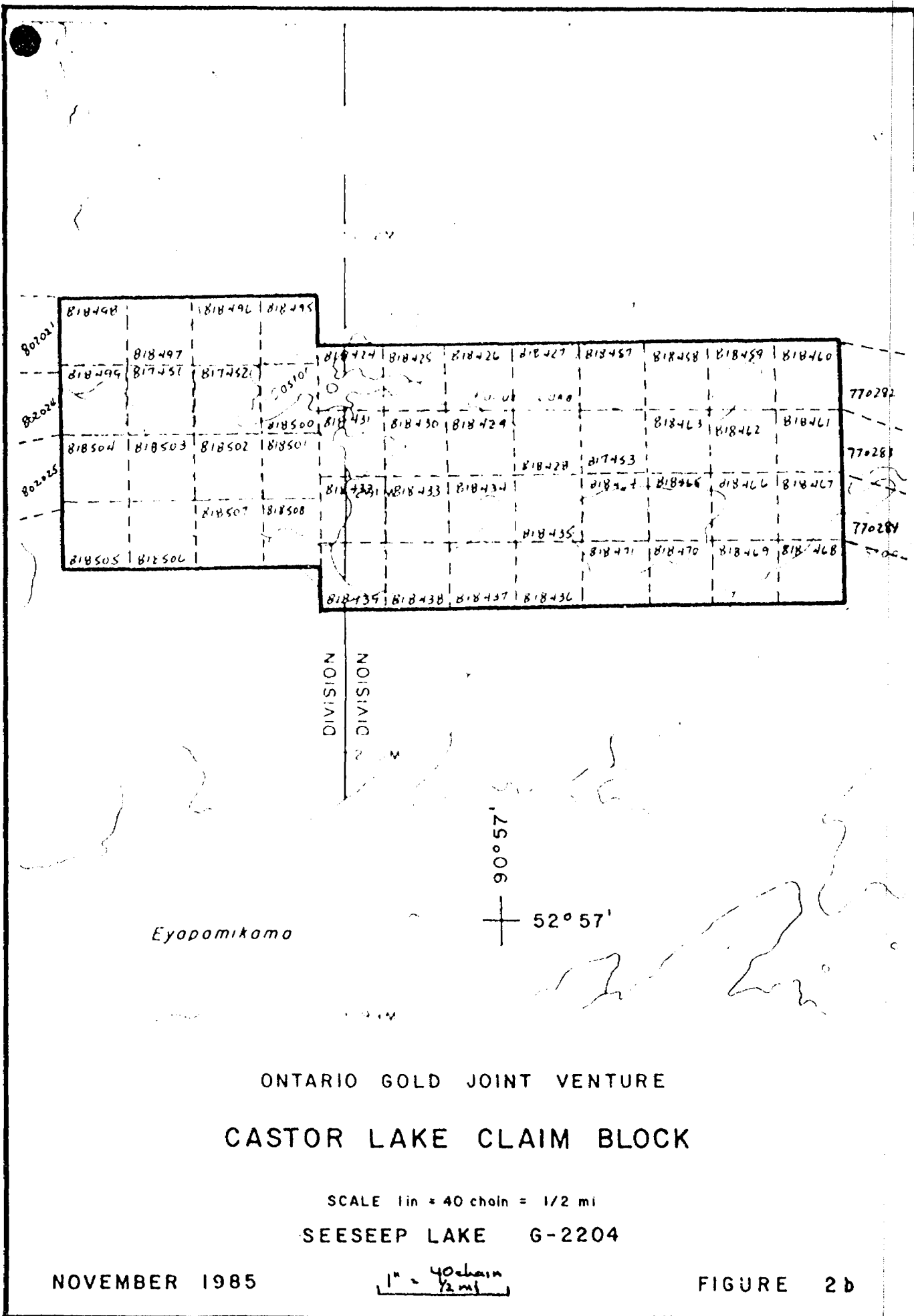
TABLE 1

CLAIMS DATA

<u>Property</u>	<u>Longitude</u>	<u>Latitude</u>	<u>NTS</u>	<u>Claim Map</u>	<u>No. of Claims</u>	<u>Claim Numbers</u>	<u>Anniversary Dates</u>
Arseno Lake	91°04'W	52°58.5'N	53B/14	Keeyask Lake G-2085	49	Pa 816719-726 803210-220 818440-454 818480-494	Sept. 6, 1985 Oct. 12, 1985 Oct. 12, 1985 Oct. 12, 1985
Castor Lake	90°58'W	52°58.5'N	53B/15	Seeseep Lake G-2204	48	Pa 817451-453 818424-439 818457-471 818495-508	Sept. 6, 1985 Oct. 12, 1985 Oct. 12, 1985 Oct. 12, 1985
McGruer Lake	90°48'W	52°58.5'N	53B/15	Seeseep Lake G-2204	18	Pa 816727-730 818472-479 818509-514	Sept. 6, 1985 Oct. 12, 1985 Oct. 12, 1985

3





Eyopomikama

ONTARIO GOLD JOINT VENTURE

CASTOR LAKE CLAIM BLOCK

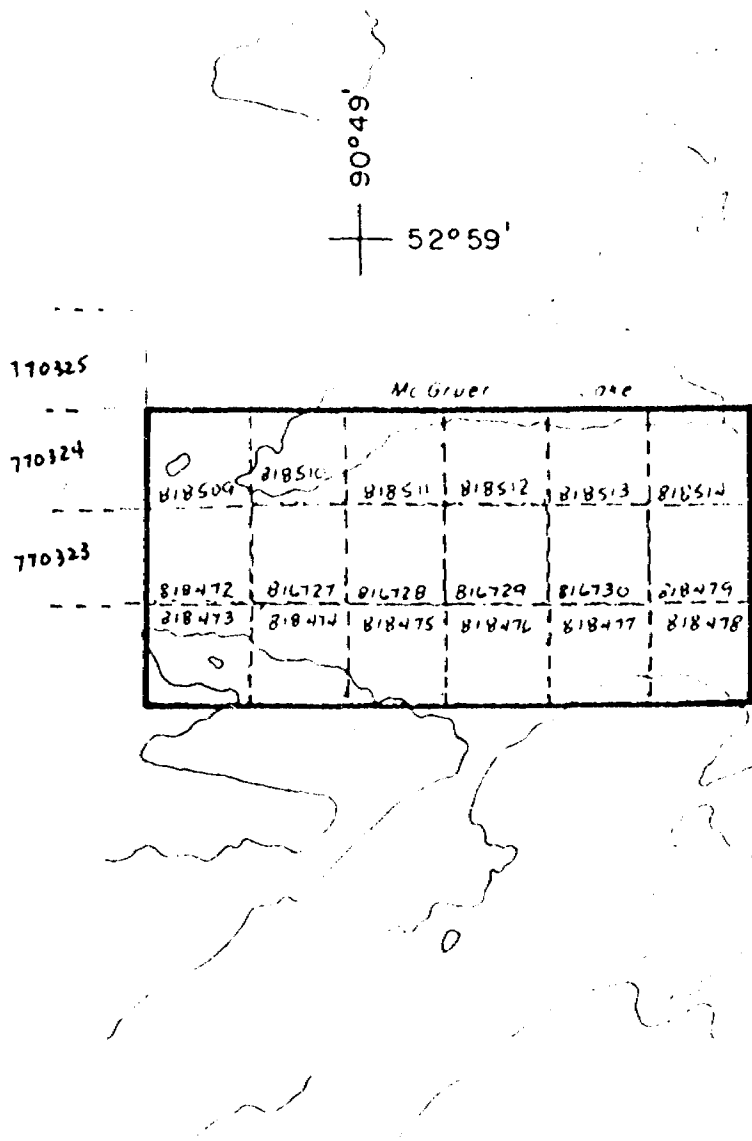
SCALE 1 in = 40 chain = 1/2 mi

SEESEEP LAKE G-2204

NOVEMBER 1985

1" = 40 chain
1/2 mi

FIGURE 2b



ONTARIO GOLD JOINT VENTURE
 Mc GRUER LAKE CLAIM BLOCK

SCALE 1in = 40 chain = 1/2 mi

SEESEEP LAKE G-2204

NOVEMBER 1985

40 chain
 1" = 1/2 mi

FIGURE 2c

1 Personnel and Survey Dates

The work recorded in this report was completed in several phases between 7 July and 26 September, 1985. A detailed breakdown of the work periods and the personnel involved is listed in Appendix 2.

1.6 History

- 1938 Satterly (1941) produced the first geological map (scale 1" = 1 mi.).
- ?1950's? Some exploration activity is indicated by old trenches found at three locations: the west end of Castor Lake in pyrite and arsenopyrite mineralization, south of Pollux Lake in lean quartz-tourmaline-arsenopyrite veins, and southeast of McGruer Lake in rusty black chert. No assessment reports are available.
- 1960 ODM - GSC (1960) flew an airborne magnetometer survey (scale 1" = 1 mi.).
- 1962 Emslie (1962) carried out ODM reconnaissance mapping (scale 1" = 4 mi.).
- ?Early 1960's? A small (?) drill program was carried out west of McGruer Lake as indicated by an abandoned drill camp and overgrown cat road. No assessment reports are available. A general lack of outcrop in the area suggests the target was an airborne EM conductor related to massive sulphide exploration.
- 1971 Thurston et al. (1971) carried out ODM reconnaissance mapping (scale 1" = 4 mi.).
- 1981 Andrews et al. (1981) conducted a preliminary evaluation of the geology and economic potential of the area for the Ontario Geological Survey.
- 1984 A large Ontario Geological Survey (OGS) crew mapped the area from Agutua Arm to the eastern end of Eyapamikama Lake. Results of their work were released as Bartlett et al. (1984) and Breaks et al. (1984).
- Dunlop Explorations, under contract to the Ontario Gold Joint Venture, turned up many new and old gold showings in the area through reconnaissance prospecting and staked the properties discussed in this report.
- 1985 The Pollux Lake iron formation was the subject of a B.Sc. thesis sponsored by the Ontario Geological Survey. (McLarty, 1985).

2. Geological Report

2.1 Introduction

Geological mapping on the properties was mainly carried out in a reconnaissance fashion from which the broad lithological subdivisions plotted on the geochemistry maps (Plates 4, 10 and 14) were determined.

2.2 Regional Geology

The North Caribou "greenstone" belt forms part of the Archean Sachigo Sub-province of the Superior Province of the Canadian Shield. The Eyapamikama Lake portion of the belt is 40 km long, 10 km wide and is folded into a large east-west syncline (Breaks et al., 1984). It is bounded to the north by migmatites, mainly sedimentary in origin, and to the south and west by felsic intrusives (Fig. 3).

The three North Rim properties lie on the north limb of the Eyapamikama syncline and cover gold-bearing iron formations along the volcanic-sediment contact and a coincident major ductile shear zone. Metamorphism along this horizon is probably lower amphibolite grade.

2.3 Local Geology

At a reconnaissance scale, the geological and structural setting of all three North Rim properties is similar (Fig. 3). Strata generally strike 090-100° Az and dip subvertically.

Massive to pillowed mafic volcanics cover the northern portions of the properties and pass through a sharp to transitional contact into an Active Zone of mixed turbiditic sediments, possible agglomerates and tuffs, and iron formations (containing variable grunerite, magnetite, pyrite and arsenopyrite). These Active Zone lithologies, with the exception of the iron formations, are now mainly a variety of highly deformed sericite+chlorite + garnet schists. A second mafic volcanic (chlorite schist) unit occurs south of the Active Zone at Arseno Lake and Castor Lake. The southern edges of all three properties are underlain by relatively unshaped, less deformed turbiditic sedimentary rocks.

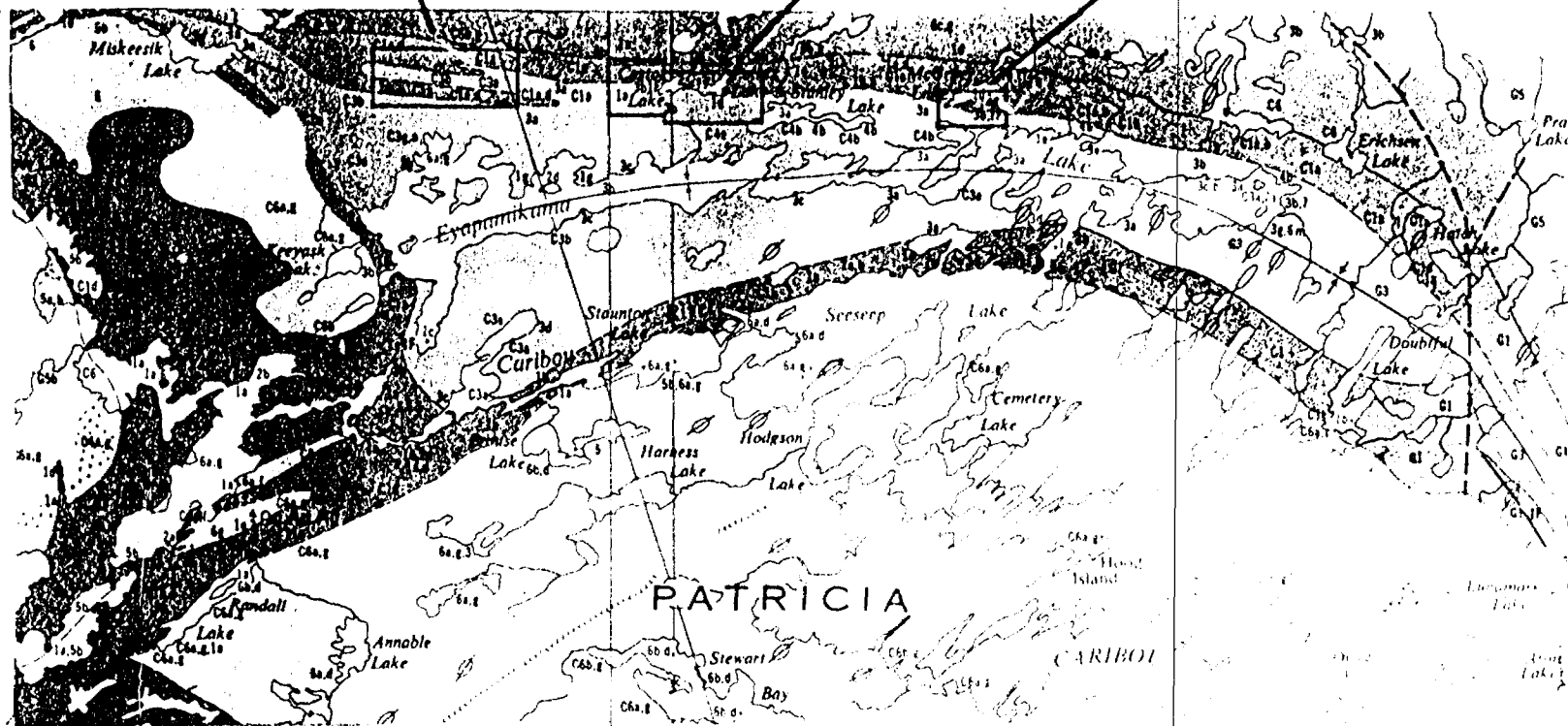
The major ductile shear which encloses the Active Zone on all three properties is about one kilometer wide. At least three phases of deformation can be discerned locally, marked by subvertical, 50° east-plunging, and subhorizontal east-west lineations and small isoclinal fold axes. The succession of deformation events is not known. The iron formations which locally host gold mineralization form internally-deformed, kilometer-scale enclaves enclosed in the more highly deformed, less competent lithologies of the Active Zone.

ARSENO LAKE

CASTOR LAKE

McGRUER LAKE

53°00'



GRANITIC ROCKS

MIGMATITIC ROCKS

METASEDIMENTARY ROCKS

MAFIC METAVOLCANIC ROCKS

ONTARIO GOLD JOINT VENTURE
 EYAPAMIKAMA LAKE
 REGIONAL GEOLOGY

NTS 53 B/14, 15

1 inch = 4 miles

1 : 253,440

1" = 4 mi

NOVEMBER 1985

FIGURE 3

2.4 Mineralization

2.4.1 Introduction

Gold mineralization occurs in a number of settings across the North Rim. The most significant showings on each property are discussed below.

2.4.2 Arseno Lake

Arseno Lake hosts the largest variety of mineralized zones.

The principal mineralization occurs in an isolated outcrop at 33+30E, 1+00N. It is a highly decomposed gossan with pods of remnant sulphides which assayed 4.9% lead, 3.6% zinc, 0.1% copper, 0.21% arsenic, 276.3 g/tonne silver, and 1.1 g/tonne gold across a true width of 1.1 m.

Arsenopyrite also occurs as:

1. disseminated envelopes up to 2 m wide on quartz+tourmaline veins;
2. massive selvages up to 20 cm wide in quartz+tourmaline veins;
3. sparsely disseminated zones in siliceous iron formations.

Assays of grab samples from these settings range up to 1.7 g/tonne gold.

2.4.3 Castor Lake

The principal mineralization and the main exploration target is the gold-arsenopyrite zone at the west end of Castor Lake (Plate 11). Massive banded to disseminated arsenopyrite with significant associated gold values occur in a grunerite iron formation horizon. A channel sample across the mineralization returned an assay of 1.95 g/tonne gold over a true width of 1.9 m. Grab and chip samples from other exposures of this zone commonly assay 1-7 g/tonne gold. This zone has been intermittently exposed over a strike length of 90 m and its EM-16 signature suggests it may be at least 350 m long (Plates 8, 9). Similar arsenopyrite-gold mineralization occurs in the many mines of the Gwanda "greenstone" belt of Rhodesia (Fripp, 1976).

A ten-metre wide stratabound zone of calc-silicate alteration with up to 5% disseminated arsenopyrite and low gold values occurs 20 m south of and parallel to the main zone. Several stratabound iron carbonate+mariposite/fuchsite zones up to 4 m wide and carrying low gold values occur in the next 120 m of stratigraphy to the south.

2.4.4 McGruer Lake

Massive to disseminated arsenopyrite mineralization occurs in siliceous iron formation and adjacent sedimentary rocks centered at 11+00E, 0+50N. A chip sample across a true width of 1.7 m assayed 5.1 g/tonne gold. The zone has been traced for 35 m along strike. This mineralization differs from that at Castor Lake in the following ways:

1. schists immediately adjacent to the iron formation host much of the mineralization;
2. it has more abundant, associated quartz-tourmaline veining, and
3. it generally lacks spatially-associated iron carbonate and calc-silicate alteration zones (although a large iron carbonate zone is present 400 m east of the showing).

3.0 Ground Magnetics Report

3.1 Introduction

Ground magnetometer surveys were run over parts of the property grids. Technical data statements and procedure records are presented in Appendix 3. Tie-in readings at magnetometer base stations were generally within 30 gammas and well below anomaly thresholds, so no diurnal corrections were calculated.

3.2 Arseno Lake Ground Magnetics

Results from the ground magnetometer survey are plotted on Plate 1.

Anomaly AM-1

Location: 0+00, 4+25E
Peak: 73,460 gammas

This small anomaly is centered on an isolated outcrop of magnetite-bearing massive talc.

Anomaly AM-2

Location: Baseline from 6+00E to 14+00E
Peak: 74,870 gammas

This discontinuous anomaly follows the trend of one or more siliceous iron formations with variable magnetite content. It is approximately coincident with an EM-16 anomaly (AE-1). Zones of disseminated arsenopyrite associated with tourmaline veins are also spatially related to this trend.

Anomaly AM-3

Location: 4+00E to 6+00E, 2+30S
Peak: 65,200 gammas

This two-line anomaly occurs in the conglomerate unit. It has not been investigated.

Anomaly AM-4

Location: 8+00E/1+25S to 12+00E/0+60S
Peak: 64,900 gammas

This three-line anomaly occurs along the conglomerate-Active Zone contact. It is partially coincident with an EM-16 anomaly (AE-2). It has not been investigated.

Anomaly AM-5

Location: 45+00E/4+10S to 49+00E/4+90S
Peak: 62,060 gammas

This possible two-line anomaly probably occurs in the southern mafic volcanic package. It has not been investigated.

Several magnetic anomalies also occur in the northern package of mafic volcanics on 14+00E to 14+00E. Their cause is not known.

3.3 Castor Lake Ground Magnetics

Results from the ground magnetometer survey are plotted on Plate 7.

Anomalies CM-1

Centre: 38+00W, 2+20N
Peak: 86,540 gammas

This large package of anomalies generally outlines the entire Active Zone across the entire tested grid (L47+00W to L11+00W). Coincident EM-16 anomalies (CE-1) are common. Many of the individual anomalies can be attributed to magnetite iron formation horizons found in outcrop. A few are known to reflect zones of disseminated to massive pyrrhotite and pyrite in outcrop. Many anomalies are overburden covered.

Anomaly CM-2

Location: 38+00W/2+80S to 32+00W/2+80S
Peak: 75,700 gammas

This strong and persistent linear anomaly and its coincident EM-16 anomaly (CE-3) occur in an overburden covered area. The anomalies lie on the approximate southern mafic volcanic-turbidite contact.

Anomaly CM-3

Center: 19+00W, 2+00S
Peak: 73,300 gammas

These relatively weak anomalies across four survey lines occur in the southern mafic volcanic unit. Their cause is not known.

3.4 McGruer Lake Ground Magnetics

A ground magnetometer survey was run over the entire McGruer Lake grid. Results are plotted on Plate 13. Anomalies generally reflect magnetite-bearing bedrock.

Anomaly GM-1

Centre: 0+00, 0+50N
Peak: 1,000,000 gammas

This large, contorted anomaly extends across four survey lines. It is in an area of no outcrop and probably outlines a large magnetite iron formation.

Anomaly GM-2

Location: 1+00E/1+10S to 7+00E/0+65S
Peak: 77,950 gammas

This large anomaly outlines a magnetite iron formation noted in outcrop.

Anomaly GM-3

Location: 5+00E/0+10N to 11+00E/0+75N
Peak: 89,210 gammas

These variable anomalies outline a number of small magnetite iron formation horizons.

Anomaly GM-4

Location: 8+00E, 0+80N
Peak: 61,190 gammas

This small anomaly is due to a zone of disseminated magnetite in the mafic volcanic unit.

Anomaly GM-5

Location: 7+50E/0+00 to 15+00E/0+70N
Peak: 85,260 gammas

This persistent, linear anomaly outlines the iron formation package which hosts the main arsenopyrite zone.

Anomaly GM-6

Location: 12+00E/2+80N to 13+00E/2+65N
Peak: 61,980 gammas

This two-line anomaly has not been investigated. It lies in the mafic volcanic unit.

The few clusters of anomalies on the eastern part of the grid have not yet been investigated. They mainly occur in areas of poor outcrop.

4.0 Electromagnetic (EM-16) Report

4.1 Introduction

Ground electromagnetic (EM-16) surveys were run over selected parts of the grids on the Arseno Lake and Castor Lake properties. Technical data statements and procedure records are included in Appendix 3.

4.2 Arseno Lake EM-16

Results from the preliminary EM-16 survey are plotted on Plates 2 and 3.

Anomaly AE-1

Location: 6+00E/0+05S to 14+00E/0+05N

This moderately strong, three-line anomaly, with its coincident magnetic high (Anomaly AM-2) is probably due to magnetite iron formations, one of which is exposed just east of 14+00E. Either this zone or parallel iron formations may be responsible for the coincident EM-16-magnetic anomalies at 10+00E/0+05S and 6+00E/0+05S. Zones of disseminated arsenopyrite, associated with quartz+tourmaline veins, are also spatially related to this trend.

Anomaly AE-2

Location: 6+00E/0+50S to 14+00E/0+30S

This moderately weak anomaly is partially coincident with a magnetic high (anomaly AM-4). It occurs in the Active Zone and may be due to a magnetite iron formation.

Anomaly AE-3

Location: 36+00E/0+10N to 0+85N

A series of moderately strong EM-16 anomalies occur in an area of no outcrop. At least one of these anomalies may be due to a base metal-rich sulphide zone such as that found along strike at 33+30E, 1+00N (see Section 2.4.2).

Anomaly AE-4

Location: 36+00E/3+00S

This strong, one-line anomaly is in an area of no outcrop. Its cause is unknown.

A number of other EM-16 cross-overs occur to the north in the mafic volcanic unit. The source of these anomalies is now known.

4.3 Castor Lake EM-16

Results from the EM-16 survey run over part of the grid and are plotted on Plates 8 and 9.

Anomalies CE-1

Centre: 37+00W/0+70N

This series of anomalies are generally coincident with a series of magnetic anomalies (CM-1) and, in part, are known to reflect magnetite iron formations and rare pyrrhotite-pyrite lenses (up to 2m⁺ wide). Many of the anomalies are in overburden covered areas.

Anomaly CE-2

Location: 36+00W/0+50N to 35+00W/0+50N

This weak anomaly is part of the CE-1 package of anomalies and is caused by the main zone of semi-massive arsenopyrite (see Section 2.4.3). The weak anomaly at 39+00W, 1+30N may be a continuation of this zone.

Anomaly CE-3

Location: 40+00W/3+20S to 32+00W/2+80S

This strong and persistent anomaly is coincident with magnetic anomaly CM-2 in an overburden covered area. It occurs on the approximate southern mafic volcanic-turbidite contact.

Anomalies CE-4

Centre: 23+00W/1+15S

These moderately strong anomalies cross three survey lines and occur in the southern mafic volcanic unit. Their cause is not known.

5.0 Geochemical Report

5.1 Introduction

Geochemical sampling was carried out on all the properties. B-horizon soil samples were taken systematically over selected parts of the cut grids. Where B-horizon samples were not available, A-horizon humus samples were taken. Rock samples (grab and chip/channel) and off-grid soil samples were collected at the discretion of the geologists and prospectors. Stream sediments were collected as available.

The -80 mesh fraction of soil and stream sediment samples was analysed. Rocks were crushed to -100 mesh. All samples were analysed for gold (fire assay/atomic absorption finish) and 30-element I.C.P. Technical data statements and procedure records are included in Appendix 3.

Threshold values for gold and arsenic in soils collected on the grid are listed on Plates 4, 10 and 14. These thresholds were determined by the method of Sinclair (1978).

In general, anomalous results in precious metals, base metals, and other elements occur in both A and B soil horizons. The small proportion of the anomalies which have been investigated were found to reflect bedrock mineralization.

5.2 Arseno Lake Geochemistry

5.2.1 Soil Geochemistry

The Au and As analyses for soil samples taken on the grid are plotted on Plate 4. Results for soil samples taken off the grid lines are plotted on Plates 5 and 6. Appendix 4 contains a complete list of analyses.

Several major anomalous zones occur on the sampled grid:

Anomaly AC-1

Centre: 8+00E/1+30N

This one-line cluster of moderate anomalies over 170 m occurs in the mafic volcanic unit. At one of the anomalous sites (8+00E/1+30N), a 3 m wide zone of disseminated chalcopyrite up to 2%, arsenopyrite up to 1% and pyrite/pyrrhotite up to 5% was uncovered. Rock samples (EA5-R-11, GX5-R-101) from the site returned analyses of 395 and 8 ppb gold with anomalous lead, zinc, copper and silver values.

Anomaly AC-2

Centre: 9+75E/0+00

This 200 m x 160 m cluster of moderate to strong anomalies is centered on the baseline. Quartz-tourmaline veins with envelopes of disseminated arsenopyrite and selvages of massive arsenopyrite are common in the area. Zones of disseminated arsenopyrite up to 2 m wide also occur in siliceous iron formation and sericitic schists with locally associated mariposite/fuchsite. Rock grab samples have returned assays up to 2.4 g/tonne gold.

Anomaly AC-3

Centre: 12+00E/3+90S

This 140-340 m wide anomaly straddles the southern mafic volcanic-conglomerate contact along a 1.8 km⁺ strike length. Brief follow-up work on station 12+00E/3+90S on the anomaly trend exposed several small (20 cm wide) silicified lenses and quartz-veined zones with 10-30% arsenopyrite. A rock grab sample (GX5-R-110) assayed 1.1 g/tonne gold.

Anomaly AC-4

Centre: 40+00E/0+85N

This small but strong anomaly is on the site of one of the original discoveries. Sparse disseminated arsenopyrite lenses of galena and sphalerite and local mariposite/fuchsite occur in siliceous iron formation. Rock grab samples assayed up to 1.3 g/tonne gold.

Anomaly AC-5

Location: 49+00E/3+40S to 7+00S

This one-line series of moderate to strong anomalies lie in the southern mafic volcanic package and the relatively undeformed turbidite lithologies south of the Active Zone. The source of these anomalies has yet to be investigated.

Other single station and small cluster anomalies occur throughout the grid and have yet to be followed up.

Note that the main showing at 33+30E/1+00N was found late in the season and received no geochemical or geophysical work in 1985.

5.2.2 Rock Geochemistry

Rock samples were collected from many locations on the property. The most significant anomalies are discussed above (Section 5.2.1) in conjunction with soil anomalies and in Section 2.4.2. Gold and arsenic results are plotted on Plates 5 and 6. A full list of analyses is presented in Appendix 3.

5.3 Castor Lake Geochemistry

5.3.1 Soil Geochemistry

The gold and arsenic analyses for soil samples taken on the grid are plotted on Plate 10. Results for soil samples taken off the grid lines are plotted on Plates 11 and 12. Appendix 4 contains a complete list of analyses.

Anomaly CC-1

Location: 47+00W/1+00N to 45+00W/1+40N

This weak but persistent anomaly occurs in an area of muskeg with no bedrock exposure. Its cause is not known.

Anomaly CC-2

Location: 39+00W/0+00 to 30+00W/0+00

This strong and persistent anomaly trend outlines the main showing and the arsenopyrite-bearing carbonate-actinolite alteration zone south of it (see Section 2.4.3).

Other cluster and single station anomalies occur over much of the sampled grid. They have, for the most part, not been investigated.

5.3.2 Rock Geochemistry

Rock samples were collected from many locations on the property. The main mineralized zone is discussed in Section 2.4.3. Gold and arsenic results are plotted on Plates 11 and 12. A full list of analyses is presented in Appendix 3.

5.4 McGruer Lake Geochemistry

5.4.1 Soil Geochemistry

The gold and arsenic analyses for soil samples taken on the grid are plotted on Plate 14. Results for soil samples taken off the grid lines are plotted on Plates 15 and 16. Appendix 4 contains a complete list of analyses.

Two main anomalous trends in gold are evident on the sampled grid.

Anomaly GC-1

Location: 11+00/0+50N to 15+00E/0+90N

This anomalous trend in gold and arsenic reflects the main zone of arsenopyrite mineralization (see Section 2.2.4).

Anomaly GC-2

Location: 14+00E/2+20N to 15+00E/2+20N

This gold and arsenic anomaly trend occurs in the mafic volcanics. It has not yet been investigated.

Numerous other anomalies in gold and/or arsenic occur over much of the sampled grid but do not form discernable trends.

5.4.2 Rock Geochemistry

Rock samples were collected from many locations on the property. The main mineralized zone is discussed in Section 2.4.4. Gold and arsenic results are plotted on Plates 15 and 16. A full list of analyses is presented in Appendix 3.

6.0 REFERENCES

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- Fripp, R.E.P.
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1985: A Detailed Study of the Mineralogy, Structure, and Metal Distribution within the Pollux Lake BIF, Northeastern Ontario; unpublished B.Sc. Thesis.
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- Satterly, J.
1941: "Geology of the Windigo-North Caribou Lakes Area", Ont. Dept. Mines Annual Rpt. 48, pt. 9, 32 p. and 2 maps.
- Sinclair, A.J.
1978: Applications of probability graphs in mineral exploration. Assoc. Expl. Geochemists, Spec. Vol. 4, 95 pp.

APPENDIX 1

Property Holders

Operator	- Northern Dynasty Explorations Ltd. 844 West Hastings Street Vancouver, B.C. V6C 1C8
Manager	- Dunlop Explorations 208 - 170 East Third Street North Vancouver, B.C. V7L 1E6
Joint Venture Partner	- Newfields Minerals Inc. 1205 - 750 West Pender Street Vancouver, B.C. V6C 2T8

APPENDIX 2

Personnel Involved in Assessment Work

<u>Personnel</u>	<u>Work Periods (1985)</u>		
	<u>Arseno Lake</u>	<u>Castor Lake</u>	<u>McGruer Lake</u>
George Gorzynski 156 Glenholme Avenue Toronto, Ontario M6E 3C4	17-22 August 19-23 September Report Prep.	08-13 July 26 Aug.-2 Sept. 02 October - 05 December	17-22 July 04-09 September
Bruce A. Youngman 208, 170 East 3rd St. North Vancouver, B.C. V6L 1E6	17-22 August Report Prep.	08-15 July 26 Aug.-2 Sept. 02 October - 05 December	17-22 July 04-09 September
David W. Tupper 2657 West 2nd Street Vancouver, B.C. V6K 1K1	17-22 August Report Prep.	08-15 July 26 Aug.-2 Sept. 02 October - 05 December	17-22 July 04-09 September
H. Eric Ewen 3239 Ganymede Drive Burnaby, B.C. V3J 1A5	17-22 August 19-23 September Report Prep.	08-13 July 26 Aug.-2 Sept. 02 October - 05 December	17-22 July 04-09 September
Alc. Thibault P. O. Box 173 Pickle Lake, Ontario POV 3A0	07-20 August	08-13 July 25 Aug.-2 Sept.	14-21 July 03-09 September
Jacqueline Jacques P. O. Box 173 Pickle Lake, Ontario POV 3A0	07-20 August	25 Aug.-2 Sept.	03-09 September

APPENDIX 2 (Cont'd)

<u>Personnel</u>	<u>Work Periods (1985)</u>		
	<u>Arseno Lake</u>	<u>Castor Lake</u>	<u>McGruer Lake</u>
Alain Thibault P. O. Box 173 Pickle Lake, Ontario POV 3A0	07-20 August	21-31 August	01-07 September
Dany Thibault P. O. Box 173 Pickle Lake, Ontario POV 3A0		30-31 August	01-07 September
Claude Audet P. O. Box 173 Pickle Lake, Ontario POV 3A0		30 Aug.-2 Sept.	03-07 September
Mekki Boumejane P. O. Box 173 Pickle Lake, Ontario POV 3A0		08-13 July	14-21 July
Guylane Thibault P. O. Box 173 Pickle Lake, Ontario POV 3A0		08 - 13 July	14 - 21 July

APPENDIX 3

Technical Data Statements
and Procedure Records

TOTAL EXPENDITURES ON ASSAYS AND
ANALYSES (CANCELLED CHEQUES ATTACHED)

Mc GRUER LAKE PROPERTY →

$$\$ 2322.05 + \$ 7162.65 + \$ 27.50 = \$ 9512.20$$

CASTOR LAKE PROPERTY →

$$\$ 3446.00 + \$ 8728.60 + \$ 55.00 = \$ 12 229.60$$

ARSENIO LAKE PROPERTY →

$$\$ 9755.95 + (\$ 1895.10 + \$ 171.25) = \$ 11 822.30$$

\$ 2066.35

DRATORIES LTD.

Vancouver, B.C. (A 1R8)

File: 85-1603

Date: AUG 1 1985

NORTHERN DYNASTY EXPLORATION
 844 W. HASTINGS ST
 VANCOUVER B.C.
 V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
272	ICP ANALYSIS @	6.00	1632.00
272	GEOCHEM AU BY FA + AA @	5.50	1496.00
200	SOIL SAMPLE PREPARATION @	.60	120.00
72	ROCK SAMPLE PREPARATION @	2.75	198.00

			3446.00
	GREYHOUND LINES # 11854570 11854566 - TO FOLLOW		

		TOTAL	3446.00

APPROVED FOR PAYMENT

~~APPROVED FOR PAYMENT~~

562

Customer 16

PLEASE PAY LAST AMOUNT →

25
500
325
325

SOIL SAMPLE PREPARATION @
SOIL SAMPLE PREPARATION @
GEOCHEM AU BY FA + AA @
ICP ANALYSIS @

ARC ICB
VANCOUVER B.C.
844 W. HASTINGS ST.
NORTHERN DYNASTY EXPLORATION

ORATORIES LTD.

iver, B.C. A 1R6

File: B5-1586

Date: JULY 31 1985

NORTHERN DYNASTY EXPLORATION
844 W. HASTINGS ST
VANCOUVER B.C.
V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
174	ICP ANALYSIS @	6.00	1044.00
174	GEOCHEM AU BY FA + AA @	5.50	957.00
78	SOIL SAMPLE PREPARATION @	.60	46.80
41	DRYING SAMPLE @	1.75	71.75
41	PULVERIZING SAMPLE @	1.25	51.25
55	ROCK SAMPLE PREPARATION @	2.75	151.25
			<u>2322.05</u>
			361.74

			2683.79

NORDAIR LTD # 333-21458625

TOTAL

562

ONT. GOLD McGowan, L.L.

APPROVED FOR PAYMENT

APPROVED FOR PAYMENT

EYAPAMIKAMN.

PLEASE PAY LAST AMOUNT →

NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS STREET
VANCOUVER, B.C. V6C 1C8

0653

Oct. 7 1985

P
10/07/85

ACME ANALYTICAL LABORATORIES LTD.

\$ 10,408.90

Ten thousand, four hundred and eight 90 ¹⁰⁰ DOLLARS

THE ROYAL BANK OF CANADA
MAIN BRANCH - ROYAL CENTRE
1025 WEST GEORGIA STREET
VANCOUVER, B.C. V6E 3N9

NORTHERN DYNASTY EXPLORATIONS LTD.

PER

PER

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166⑆899⑆5⑆

⑆00010408⑆10⑆

Bank of Montreal
27160-001
OCT 08 1985
MONTREAL
VANCOUVER REGIONAL
DATA CENTRE
07860-0008210

27160-001
MONTREAL
VANCOUVER REGIONAL
DATA CENTRE
07860-0008210

EXPENDITURES ON ASSAYS & ANALYSES →

Mc GRUER LAKE: \$ 7162.65

REMAINING DOLLARS SPENT ON TRANSPORT
OF SAMPLES AND OTHER UNRELATED ANALYSES.

PHONE: 253-3158

ACME ANALYTICAL LABORATORIES LTD.

852 1/2 St Hastings St., Vancouver, B.C. A 1R6

File: 85-2497

Date: OCT 1 1985

NORTHERN DYNASTY EXPLORATION
844 WEST HASTINGS ST
VANCOUVER B.C.
V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
590	ICP ANALYSIS @	6.00	3540.00
590	GEOCHEM AU BY FA + AA @	5.50	3245.00
579	SOIL & STREAM SED SAMPLE PREPARATION @	.60	347.40
11	ROCK SAMPLE PREPARATION @	2.75	30.25
	TOTAL		7162.65

APPROVED FOR PAYMENT

653

McGURR.

PLEASE PAY LAST AMOUNT →

NORTH IN DYNASTY EXPLORATIONS LTD
844 WEST HASTINGS STREET
VANCOUVER, B.C. V6C 1C8

0676

Oct. 28 19 85

PAY TO THE ORDER OF

BONDAR-CLEGG

\$ 182.50

One hundred and eighty-two

50 DOLLARS

THE ROYAL BANK OF CANADA
MAIN BRANCH - ROYAL CENTRE
1025 WEST GEORGIA STREET
VANCOUVER, B.C. V6E 3N9

NORTHERN DYNASTY EXPLORATIONS LTD.

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⑈000676⑈ ⑈00010⑈003⑈ 166⑈099⑈5⑈ ⑈0000018250⑈

FOR DEPOSIT ONLY
BONDAR-CLEGG & CO.
106-637 (V6C)
VANCOUVER, B.C.
03695-003

EXPENDITURES ON ASSAYS & ANALYSES →

CASTOR LAKE: \$ 55.00

McGRUER LAKE: \$ 27.50



NORTHERN DYNASTY EXPLORATION LTD.
NORTHERN DYNASTY EXPL LTD
844 WEST HASTINGS ST.
VANCOUVER BC
V6C 1C8

Invoice : 19788, Page 1
Date : 15-OCT-85
Report No: 425-3299
Project : NONE GIVEN
Reference:

Q.9 Au

6 Analyses of AU/AG at \$11.50 \$ 69.00 \$ 69.00
Silver
Gold - FIRE ASSAY

Sample Preparation
6 Samples of PULVERIZING at \$ 2.25 \$ 13.50
Subtotal \$ 13.50 \$ 13.50

Invoice Total: \$ 82.50 Cdn

*\$55.00
CASTOR*

*\$27.50
McGRUER*

Castor / Mc Gruer

APPROVED FOR
PAYMENT

[Signature]

~~EST.~~

OSJ

Pd. Oct. 28th 676

NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS STREET
VANCOUVER, B.C. V6C 1C8

0619

Sept. 23 1985

PAY TO THE ORDER OF

ACME ANALYTICAL LABORATORIES LTD.

\$ 24,200.30

Twenty-four thousand, two hundred ³⁰/₁₀₀ DOLLARS

THE ROYAL BANK OF CANADA
MAIN BRANCH - ROYAL CENTRE
1025 WEST GEORGIA STREET
VANCOUVER, B.C. V6E 3N9

NORTHERN DYNASTY EXPLORATIONS LTD.

PER

PER

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ACME ANALYTICAL LABORATORIES LTD.
TO THE CREDIT OF
FOR DEPOSIT ONLY
P. 25 1985
27160-001
1025 West Georgia St.
Vancouver, B.C. V6E 3N9
ROYAL BANK
PC

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146
146
146

EXPENDITURES ON ASSAYS & ANALYSES →

ARSENO LAKE: \$ 9755.95

CASTOR LAKE: \$ 8728.60

REMAINING DOLLARS SPENT ON TRANSPORT
OF SAMPLES AND OTHER UNRELATED ANALYSES

NORTHERN DYNASTY EXPLORATION
 844 WEST HASTINGS ST.
 VANCOUVER B.C.
 V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
801	ICP ANALYSIS @	6.00	4806.00
801	GEOCHEM AU BY FA + AA @	5.50	4405.50
712	SOIL SAMPLE PREPARATION @	.60	427.20
85	PULVERIZING SAMPLE @	1.25	106.25
4	ROCK SAMPLE PREPARATION @	2.75	11.00
	TOTAL		9755.95

OSV,

619 Arseno Lk

PLEASE PAY LAST AMOUNT

ICP ANALYSIS @
GEOCHEM AU BY FA + AA @
ICP ANALYSIS @

NPC ICB
VANCOUVER B.C.
844 WEST HASTINGS ST.
NORTHERN DYNASTY EXPLORATION

ES LTD.

A 1R6

File: 85-2370

Date: SEPT 20 1985

NORTHERN DYNASTY EXPLORATION
844 W. HASTINGS ST
VANCOUVER B.C.
V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
716	ICP ANALYSIS @	6.00	4296.00
716	GEOCHEM AU BY FA + AA @	5.50	3938.00
46	SOIL SAMPLE PREPARATION @	.60	387.60
57	PULVERIZING SAMPLE @	1.25	71.25
13	ROCK SAMPLE PREPARATION @	2.75	35.75
	TOTAL		8728.60

Ceasar Lake
OJV
#619

PLEASE PAY LAST AMOUNT →

NORT. RN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS STREET
VANCOUVER, B.C. V6C 1C8

0660

Oct. 10 1985

PAY TO THE ORDER OF

ACME ANALYTICAL LABORATORIES LTD.

\$ 2,306.05

Two thousand, three hundred and six 05 DOLLARS

THE ROYAL BANK OF CANADA
MAIN BRANCH - ROYAL CENTRE
1025 WEST GEORGIA STREET
VANCOUVER, B.C. V6E 3N9

NORTHERN DYNASTY EXPLORATIONS LTD.

PER

PER

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⑈0000230605⑈

Bank of Montreal
OCT 9 1985
Carroll
Van
TO THE CREDIT OF
FOR DEPOSIT ONLY
07860311

OCT 11 1985
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VANCOUVER REGIONAL
DATA CENTRE

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EXPENDITURES ON ASSAYS & ANALYSES →

ARSENIO LAKE: # 2066.35

REMAINING DOLLARS SPENT ON TRANSPORT
OF SAMPLES AND UNRELATED ANALYSES.

File: 85-2607

OCT 8 1985

Date: OCT 8 1985

NORTHERN DYNASTY EXPLORATION
 B44 W. HASTINGS ST
 VANCOUVER B.C.
 V6C 1C8

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

NUMBER	ASSAY	PRICE	AMOUNT
152	ICP ANALYSIS @	6.00	912.00
152	GEOCHEM AU BY FA + AA @	5.50	836.00
126	SOIL SAMPLE PREPARATION @	.60	75.60
26	ROCK SAMPLE PREPARATION @	2.75	71.50
			1895.10
			239.70
TOTAL			2134.80

NORDAIR LTD # 333-21459314

APPROVED FOR
 PAYMENT

#666

A.L. ARSENO LK

PLEASE PAY LAST AMOUNT

12 (a) the person entitled to delivery must make a complaint to the Carrier in writing in the case of visible damage to the goods, immediately after discovery of the damage and at the latest within 14 days from receipt of the goods.
 (b) of other damage to the goods, within 14 days from the date of receipt of the goods.
 (c) of delay, within 21 days of the date the goods are placed at his disposal, and
 (d) of non-delivery of the goods, within 120 days from the date of the issue of the Air Waybill.
 (e) for the purpose of Subparagraph (a) above complaint in writing may be made to the Carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (f) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (g) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (h) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (i) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (j) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (k) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (l) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (m) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (n) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (o) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (p) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (q) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (r) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (s) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (t) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (u) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (v) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (w) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (x) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (y) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.
 (z) In case of a transit in transit, the carrier whose Air Waybill was used, or to the first Carrier or to the last Carrier or to the Carrier who performed the transportation during which the loss, damage or delay took place.

ACME ANA

DR. S. LTD.

PHONE 253-3158

852 Eas

V6A 1R6

File: 85-2607A

Date: OCT 8 1985

NORTHERN DYNASTY E)
844 W. HASTINGS ST
VANCOUVER B.C.
V6C 1C8

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

3 500.00
1 171.25 +1
2 306.05 14

NUMBER	ASSAY	PRICE	AMOUNT
5	ICP ANALYSIS @	6.00	30.00
5	GEOCHEM AU BY FA + AA @	5.50	27.50
5	CU PB ZN AG & AS ASSAYS @	20.00	100.00
5	ROCK SAMPLE PREPARATION @	2.75	13.75
TOTAL			171.25

APPROVED FOR PAYMENT

Pd. Oct 10 # 660 FAS.

~~ARSENIC~~

PLEASE PAY LAST AMOUNT

Arsenic Lk.

PLEASE PAY LAST AMOUNT

(1) The period entitled to delivery must make a complaint to the Carrier in writing in the case of damage to the goods, immediately after discharge of the goods and at the latest within 15 days from receipt of the goods.

(2) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(3) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(4) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(5) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(6) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(7) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(8) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(9) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

(10) If the merchandise is damaged, immediately after discharge of the goods, the carrier shall be liable for the amount of the loss or damage to the goods, within 15 days from the date of receipt of the goods, from receipt of the goods.

1. ARSENO LAKE PROPERTY

Technical Data Statements
and Procedure Records



Ontario

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GROUND GEOPHYSICAL (MAGNETOMETER) AND GEOCHEMICAL (SOILS & ROCKS)

Township or Area KEEYASK LAKE / G-2085

Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS ST., VANCOUVER, B.C.

Survey Company DUNLOP EXPLORATIONS

Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TUPPER

Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.

Covering Dates of Survey 17 AUGUST - 05 DECEMBER, 1985
(linecutting to office)

Total Miles of Line Cut 13.0 km

MINING CLAIMS TRAVERSED
List numerically

PA	818481
(prefix)	(number)
	818482
	818487
	818488

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

Geophysical

- Electromagnetic _____

- Magnetometer 40

- Radiometric _____

- Other _____

Geological _____

Geochemical 20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 Dec/85 SIGNATURE: G. Gorzynski
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS _____

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 296 Number of Readings 334
Station interval 10 metres Line spacing 200m
Profile scale
Contour interval 2000 gammas

MAGNETIC

Instrument SCINTREX MED-2 DIGITAL FLUXGATE MAGNETOMETER
Accuracy - Scale constant +/- 10 gammas (Handheld)
Diurnal correction method ONE HOUR BASE STATION TIE-INS WERE ALL
Base Station check-in interval (hours) WITHIN +/- 30 GAMMAS - NO CORRECTIONS APPLIED
Base Station location and value MAIN BASE STATION AT 33+20 E, 0+00
READING: 59500 +/- 30 GAMMAS

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency
Parameters measured (specify V.L.F. station)

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken SEE FIRST PAGE

Total Number of Samples 294
 Type of Sample 277 Soils, 17 Rocks
(Nature of Material)
 Average Sample Weight 0.3 kg
 Method of Collection Mattock, Rock Hammer, Moll
 Soil Horizon Sampled A, (B₂)
 Horizon Development A₁-A₂-B₁-B₂-C
 Sample Depth 1-120 cm
 Terrain BEDROCK, GLACIAL TILL, MUSKOG, SWAMP.
 Drainage Development POOR
 Estimated Range of Overburden Thickness 0-50m?

ANALYTICAL METHODS

Values expressed in: per cent
 p. p. m.
 p. p. b.

(Cu, Pb, Zn, Ni, Co, Ag, Mo, As) (circle)

Others See below

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory Acme Analytical Lab.

Extraction Method Aqua Regia.

Analytical Method See below

Reagents Used _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

SOILS: - 80 MESH

ROCKS: - 100 MESH PULPS

General INDUCED CATION PLASMA (ICP)

30-ELEMENT ANALYSIS -

0.5 g sample digested in 3ml of 3-1-2 HCl-HNO₃-H₂O at 95°C for 1 hour, then diluted to 10ml with H₂O for ICP analysis.

General Other elements ->

Mn, Fe, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Au.

Au = 10 gram sample - Fire Assay with an atomic absorption finish.



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GROUND GEOPHYSICS (MAGNETICS)
Township or Area KEEPAK LAKE T6-2085
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS ST., VANCOUVER, B.C.
Survey Company DUNLOP EXPLORATIONS
Author of Report G. GOREZYNSKI / B. YOUNGMAN / D. TUPPER
Address of Author 844 WEST HASTINGS, ST., VANCOUVER, B.C.
Covering Dates of Survey 19 AUGUST - 05 DECEMBER, 1985
(linecutting to office)
Total Miles of Line Cut 13.0 km

MINING CLAIMS TRAVERSED	
List numerically	
PA (prefix)	803213 (number)
	803214
	803215
	816724
	818480
	818483
	818486
	818489
	818490
	818491
	818492
	818493
TOTAL CLAIMS <u>12</u>	

SPECIAL PROVISIONS CREDITS REQUESTED	DAYS per claim
Geophysical	
-Electromagnetic _____	
-Magnetometer _____	
-Radiometric _____	
-Other _____	
Geological _____	
Geochemical _____	

ENTER 40 days (includes line cutting) for first survey.
ENTER 20 days for each additional survey using same grid.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 DEC 1985 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys			
File No.	Type	Date	Claim Holder

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 343 Number of Readings 381

Station interval 10 metres Line spacing MAINLY 200m

Profile scale _____

Contour interval 2000 gammas

Instrument SCINTREX MFD-2 DIGITAL FLUXGATE MAGNETOMETER

Accuracy - Scale constant ±10 gammas (Handheld)

Diurnal correction method ONE HOUR BASE STATION TIE-INS WERE ALL

Base Station check-in interval (hours) WITHIN ±30 GAMMAS - NO CORRECTIONS APPLIED

Base Station location and value MAIN BASE STATION AT 33+20E, 0+00
READING: 59500 ±30 GAMMAS

MAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

EM TROMAGNETIC

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

GRAVITY

Instrument _____

Method Time Domain Frequency Domain

Parameters - On time _____ Frequency _____

- Off time _____ Range _____

- Delay time _____

- Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

RESISTIVITY



ARSENAL LAKE PROPERTY

Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GROUND GEOPHYSICS (EM-16)
Township or Area KEEYASK LAKE / G-2085
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS ST., VANCOUVER, B.C.
Survey Company DUNLOP EXPLORATIONS
Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TUPPER
Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.
Covering Dates of Survey 21 AUGUST - 05 DECEMBER, 1985
(linecutting to office)
Total Miles of Line Cut 13.0 km

MINING CLAIMS TRAVERSED
List numerically

PA	803210
(prefix)	(number)
	816719
	816720
	816722
	818440
	818481
	818482
	818483
	818486
	818487
	818488
	818491
	818492
	818493

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.
ENTER 20 days for each
additional survey using
same grid.

Geophysical _____
 - Electromagnetic _____
 - Magnetometer _____
 - Radiometric _____
 - Other _____
 Geological _____
 Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 Dec 1985 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 14

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 313 Number of Readings 313 x 2 (IN PHASE/QUAD)
Station interval 10 metres line spacing 400m
Profile scale 1 cm = 10' or 10%
Contour interval

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

ELECTROMAGNETIC

Instrument GEONICS RONKA EM-16
Coil configuration TWO PERPENDICULAR RECEIVING COILS
Coil separation
Accuracy +/- 1', +/- 1 degree
Method: [X] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency 24.0 KHZ (TRANSMITTER - CUTLER, MAINE)
Parameters measured IN-PHASE SIGNAL (DEGREES) AND QUADRATURE (PERCENT)

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOCHEMISTRY (SOILS & ROCKS) AND GEOLOGY
Township or Area KEEYASK LAKE / G-2085
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS ST., VANCOUVER, B.C.
Survey Company DUNLOP EXPLORATIONS
Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TUPPER
Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.
Covering Dates of Survey 17 AUGUST - 05 DECEMBER, 1985
(linecutting to office)
Total Miles of Line Cut 13.0 km

MINING CLAIMS TRAVERSED
List numerically

PA (prefix)	803210 (number)
	803213
	803214
	803215
	816719
	816720
	816722
	816723
	816724
	816725
	816726
	818440
	818480
	818483
	818484
	818485
	818486
	818489
	818490
	818491
	818492
	818493
	818494

<u>SPECIAL PROVISIONS</u> <u>CREDITS REQUESTED</u>	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical --Electromagnetic _____ --Magnetometer _____ --Radiometric _____ --Other _____
ENTER 20 days for each additional survey using same grid.	Geological _____ Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 Dec/85 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 23

OFFICE USE ONLY

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken SEE FIRST PAGE

Total Number of Samples 637

Type of Sample 626 SOILS, 11 ROCKS
(Nature of Material)

Average Sample Weight 0.3 kg

Method of Collection MATTACK, ROCK HAMMER, MOIL

Soil Horizon Sampled A, B₂

Horizon Development A₁ - A₂ - B₁ - B₂ - C

Sample Depth 1-120 cm

Terrain BEDROCK, GLACIAL TILL, MUSKEG, SWAMP

Drainage Development POOR

Estimated Range of Overburden Thickness 0-50m?

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

SOILS: -80 MESH

ROCKS: -100 MESH PULPS

General INDUCED CATION PLASMA (ICP)

30-ELEMENT ANALYSIS -

0.5 g. sample digested in 3ml of 3-1-2 HCl-HNO₃-H₂O at 95°C for 1 hour, then diluted to 10 ml with H₂O for ICP analysis

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

(Cu, Pb, Zn, Ni, Co, Ag, Mo, As) (circle)

Others See below

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory Acme Analytical Labs.

Extraction Method Acqua Regia

Analytical Method See below

Reagents Used _____

General Other elements ->

Mn, Fe, V, Tb, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Au.

Au = 10 gram sample - Fire Assay with an atomic absorption finish

2. CASTOR LAKE PROPERTY

Technical Data Statements
and Procedure Records



Ontario

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOPHYSICAL (GROUND MAG)
Township or Area SEESERP LAKE / G-2204
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD
844 WEST HASTINGS ST., VANCOUVER, B.C.
Survey Company DUNLOP EXPLORATIONS
Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TUPPER
Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.
Covering Dates of Survey 13 JULY - 5 DECEMBER, 1985
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

PA 817451
(prefix) (number)
PA 817452

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.
ENTER 20 days for each
additional survey using
same grid.

Geophysical
- Electromagnetic _____
- Magnetometer 40
- Radiometric _____
- Other _____
Geological _____
Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 5 DEC/85 SIGNATURE: G. Gorzynski
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 2

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations ²⁶⁶ (~~140~~) MARKED STATIONS Number of Readings ³³⁰ (MANY EXTRA READINGS TAKEN BETWEEN 10m STATIONS)
Station interval (~~10~~) 10 metres Line spacing 100 metres
Profile scale
Contour interval 2000 gammas

MAGNETIC

Instrument SCINTREX MFD-2 DIGITAL FLUXGATE MAGNETOMETER
Accuracy - Scale constant ± 10 gammas (Handheld operation)
Diurnal correction method ONE HOUR BASE STATION TIE-INS WERE ALL
Base Station check-in interval (hours) WITHIN ± 30 GAMMAS - NO CORRECTIONS APPLIED
Base Station location and value MAIN BASE STATION AT 31+50W, 1+50N
AVERAGE READING: 59800 GAMMAS

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 884 Number of Readings 884 x 2 (IN-PHASE/QUAD)
Station interval 10 metres Line spacing MAINLY 100-200 metres
Profile scale ONE CENTIMETRE = 10% or 10 degrees
Contour interval

MAGNETIC

Instrument
Accuracy - Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

ELECTROMAGNETIC

Instrument GEONICS RONKA EM-16
Coil configuration TWO PERPENDICULAR RECEIVING COILS
Coil separation
Accuracy +/- 1% / +/- 1%
Method: [X] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency 24.0 KHZ (TRANSMITTER - CUTLER, MAINE)
Parameters measured IN-PHASE SIGNAL (DEGREES) AND QUADRATURE (PERCENT)

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode



CASTOR LAKE PROJECT

Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GROUND GEOPHYSICS (MAGNETICS)
Township or Area SEESEEP LAKE / G-2204
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.
844 WEST HASTINGS ST., VANCOUVER, B.C.
Survey Company DUNLOP EXPLORATIONS
Autho. of Report G. GRZYNSKI / B. YOUNGMAN / D. TOPPER
Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.
Covering Dates of Survey 13 JULY - 5 DECEMBER, 1985
Total Miles of Line Cut 17.9 km

MINING CLAIMS TRAVERSED
List numerically

Table with 2 columns: (prefix) and (number). Contains list of mining claim numbers from 817453 to 818503, with a total of 19 claims.

SPECIAL PROVISIONS CREDITS REQUESTED table with columns for Geophysical (Electromagnetic, Magnetometer, Radiometric, Other) and Geological/Geochemical, and DAYS per claim.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 5 DEC/85 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Table with 4 columns: File No., Type, Date, Claim Holder. Contains several empty rows for previous surveys.

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 854 Number of Readings 1144 (MANY READINGS TAKEN BETWEEN 10m STATIONS)
Station interval 10 metres Line spacing 100-200m
Profile scale
Contour interval 2000 gammas

MAGNETIC

Instrument SCINTREX MFD-2 DIGITAL FLUXGATE MAGNETOMETER
Accuracy - Scale constant +/- 10 gammas (Handheld)
Diurnal correction method ONE HOUR BASE STATION TIE-INS WERE ALL
Base Station check-in interval (hours) WITHIN +/- 30 GAMMAS - NO CORRECTIONS APPLIED
Base Station location and value MAIN BASE STATION AT 31+50W, 1+50N
READING: 59800 +/- 30 gammas

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode



CASTOR LAKE PROPERTY

Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOCHEMISTRY (SOILS AND ROCKS)

Township or Area SEESERP LAKE / G-2204

Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.

844 WEST HASTINGS ST., VANCOUVER, B.C.

Survey Company DUNLOP EXPLORATIONS

Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TUPPER

Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.

Covering Dates of Survey 08 JULY - 05 DECEMBER, 1985
(line cutting to office)

Total Miles of Line Cut 17.9 km

MINING CLAIMS TRAVERSED List numerically

PA 817451
(prefix) (number)

817452

817453

818424

818425

818428

818430

818435

818496

818497

818498

818499

818500

818501

818502

818503

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED

DAYS
per claim

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

- Geophysical
 - Electromagnetic _____
 - Magnetometer _____
 - Radiometric _____
 - Other _____
- Geological _____
- Geochemical _____

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 Dec/85 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 16

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken SEE FIRST PAGE

Total Number of Samples 988

Type of Sample 898 SOILS; 89 ROCKS; 1 STREAM SEDIMENT
(Nature of Material)

Average Sample Weight 0.3 kg

Method of Collection MATTOCK, ROCK HAMMER, MOIL, ROCK SAW.

Soil Horizon Sampled A, B₁, B₂; C

Horizon Development A₁-A₂-B₁-B₂-C

Sample Depth 1-120 cm

Terrain BEDROCK, GLACIAL TILL, MUSKEG, SWAMP

Drainage Development POOR

Estimated Range of Overburden Thickness 0-50 m?

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

SOILS AND STREAM SEDIMENTS: -80 MESH

ROCKS: -100 MESH PULP

General INDUCED CATION PLASMA (ICP)

30-ELEMENT ANALYSIS -

0.5g sample digested in 3ml of 3-1-2 HCl-HNO₃-H₂O at 95°C for 1 hour, then diluted to 10ml with H₂O for ICP analysis.

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

(Cu, Pb, Zn, Ni, Co, Ag, Mo, As) (circle)

Others See below

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory Acme Analytical Labs.

Extraction Method Aqua Regia

Analytical Method See below.

Reagents Used _____

General Other elements ->

Mn, Fe, U, Th, Sr, Cd, Sb, Bi, V,

Ca, P, La, Cr, Mg, Ba, Ti, B,

Al, Na, K, W, Au.

Au = 10 gram sample - Fire Assay with an atomic absorption finish.

3. McGRUER LAKE PROPERTY

Technical Data Statements

and Procedure Records



McGRUER LAKE PROPERTY

Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GROUND GEOPHYSICS (MAGNETICS) AND GEOCHEMISTRY (SOILS AND ROCKS)

Township or Area SEESERP LAKE / G-2204

Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.

844 WEST HASTINGS ST., VANCOUVER, B.C.

Survey Company DUNLOP EXPLORATIONS

Author of Report G. GORZYNSKI / B. YOUNGMAN / D. TWIPPER

Address of Author 844 WEST HASTINGS ST., VANCOUVER, B.C.

Covering Dates of Survey 17 JULY - 05 DECEMBER, 1985
(linecutting to office)

Total Miles of Line Cut 18.5 km

MINING CLAIMS TRAVERSED
List numerically

- PA (prefix) 816.727 (number)
816.728
816.729
816.730
818.472
818.473
818.474
818.475
818.476
818.477
818.478
818.479
818.509
818.510
818.511
818.512
818.513
818.514

If space insufficient, attach list

Table with 2 columns: SPECIAL PROVISIONS CREDITS REQUESTED, DAYS per claim. Rows include Geophysical (Electromagnetic, Magnetometer, Radiometric, Other), Geological, and Geochemical.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 05 DEC 1985 SIGNATURE: G. Gorzynski
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Table with 4 columns: File No., Type, Date, Claim Holder. Multiple empty rows for data entry.

TOTAL CLAIMS 18

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations 1643 Number of Readings 1972
Station interval 10 metres Line spacing 100 metres
Profile scale _____
Contour interval 2000 gammas

MAGNETIC

Instrument SCINTREX MFD-2 DIGITAL FLUXGATE MAGNETOMETER
Accuracy - Scale constant ±10 gammas (Handheld)
Diurnal correction method ONE HOUR BASE STATION TIE-INS WERE ALL
Base Station check-in interval (hours) WITHIN ±30 GAMMAS - NO CORRECTIONS APPLIED
Base Station location and value MAIN BASE STATION AT 14+60E, 4+40N
READING: 59800 ±30 gammas

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____
Elevation accuracy _____

RESISTIVITY

Instrument _____
Method Time Domain Frequency Domain
Parameters - On time _____ Frequency _____
- Off time _____ Range _____
- Delay time _____
- Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken SEE FIRST PAGE

Total Number of Samples 711

Type of Sample 651 SOILS; 59 ROCKS; 1 STREAM SEDIMENT
(Nature of Material)

Average Sample Weight 0.3 kg

Method of Collection MATTOCK, ROCK HAMMER, MOLL

Soil Horizon Sampled A, B₂

Horizon Development A₁ - A₂ - B₁ - B₂ - C

Sample Depth 1-120 cm

Terrain BEDROCK, GLACIAL TILL, MUSKEG, SWAMP

Drainage Development POOR

Estimated Range of Overburden Thickness 0-30 m

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

SOILS AND STREAM SEDIMENT: -80 MESH

ROCKS: -100 MESH PULP

General INDUCED CATION PLASMA (ICP)

30-ELEMENT ANALYSIS -

0.5 g sample digested in 3ml of 3-1-2 HCl-HNO₃-H₂O at 95°C for 1 hour, then diluted to 10ml with H₂O for ICP analysis.

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

(Cu) (Pb) (Zn) (Ni) (Co) (Ag) (Mo) (As) (circle)

Others See below

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory Acme Analytical Labs

Extraction Method Aqua Regia

Analytical Method See below

Reagents Used _____

General Other elements ->

Mn, Fe, U, Th, Sr, Cd, Sb, Bi, V,

Ca, P, La, Cr, Mg, Ba, Ti, B,

Al, Na, K, W, Au.

Au = 10 gram sample - Fire Assay with an atomic absorption finish.

APPENDIX 4

Chemical Analyses

REFERENCE GUIDE TO SAMPLE NUMBERING SCHEME

1. SAMPLES COLLECTED ON GRID LINES:

$\frac{AL}{(1)} \quad \frac{4+00E \quad 1+50N}{(2)} \quad - \quad \frac{A}{(3)}$

- (1) = Property reference: AL = Arseno Lake
CL = Castor Lake
GL = McGruer Lake
- (2) = Location on cut grid.
- (3) = Soil horizon sampled.

2. OFF-GRID SAMPLES:

$\frac{E}{(1)} \quad \frac{A}{(2)} \quad \frac{5}{(3)} \quad - \quad \frac{S}{(4)} \quad \frac{10}{(5)}$

- (1) = Sampler.
- (2) = Property reference: A = Arseno Lake
C = Castor Lake
G = McGruer Lake
- (3) = Year of work: (5 = 1985).
- (4) = Sample medium: S = soil
R = rock
SS = stream sediment
- (5) = Sample number.

1. ARSENO LAKE PROPERTY

List of Chemical Analyses

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE 253-3158

DATE LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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 MM, FE, CA, P, CR, MG, BA, TI, B, AL, NA, I, W, SI, ZR, CE, SM, Y, Nb AND TA. NO DETECTION LIMIT BY ICP IS 3 PPM.
 SAMPLE TYPE: SOILS -80 MESH AUTO ANALYSIS BY FA-AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 3 1985 DATE REPORT MAILED: *Sept. 11/85* ASSAYER: *J. Saundry* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # B5-2203

PAGE 1

SAMPLE#	As	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	Al	U	Au	Ta	Sr	Cl	Sb	Bi	V	Ca	P	La	Cr	Ni	Ba	Ti	B	Al	Mg	I	W	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
AL 4+00E 1+50M-A	1	14	12	103	.7	11	3	326	1.30	37	5	ND		33	1	3	2	4	1.62	.13	15	6	.18	57	.01	8	.34	.01	.04	1	6
AL 4+00E 1+10M-B	1	4	10	11	.1	2	1	35	.31	2	5	ND		4	1	2	2	8	.07	.01	5	11	.07	9	.08	2	.34	.01	.01	1	6
AL 4+00E 1+20M-A	1	26	9	89	.6	23	2	72	.41	5	5	ND	3	30	2	2	2	3	1.21	.10	14	8	.12	65	.02	5	.56	.01	.02	1	6
AL 4+00E 1+00M-A	1	9	5	239	.5	24	1	60	.29	3	5	ND	1	25	2	2	2	3	1.04	.06	6	2	.08	56	.01	6	.43	.01	.01	1	16
AL 4+00E 0+80M-A	1	16	6	54	.5	15	1	33	.40	2	5	ND	1	51	1	2	2	3	3.43	.08	4	4	.14	102	.01	5	.41	.01	.01	1	1
AL 4+00E 0+60M-A	1	30	7	39	.4	18	3	93	1.33	2	5	ND	3	53	1	2	2	13	4.30	.10	26	24	.39	110	.03	11	1.18	.01	.08	1	1
AL 4+00E 0+40M-B	1	18	17	46	.1	28	7	160	2.84	7	5	ND	10	15	1	2	2	47	.46	.02	21	40	.50	81	.12	9	2.08	.01	.08	2	1
AL 4+00E 0+30M-B	1	7	4	11	.1	4	1	32	1.03	3	5	ND	5	4	1	2	2	17	.08	.03	6	14	.07	5	.05	2	1.33	.01	.01	1	1
AL 4+00E 0+20M-B	1	3	7	9	.1	1	1	13	.34	2	5	ND	3	5	1	2	2	12	.15	.01	4	6	.03	14	.09	2	.33	.01	.01	1	2
AL 4+00E 0+20S-A	1	11	2	58	.4	16	2	102	.84	2	5	ND	2	47	1	2	2	6	3.36	.07	4	6	.18	78	.01	10	.24	.01	.01	1	1
AL 4+00E 1+80S-A	1	26	29	58	.2	26	2	76	.61	3	5	ND	1	9	1	2	2	12	.17	.06	4	88	.11	65	.01	2	.44	.01	.03	1	1
AL 4+00E 1+90S-B	1	4	6	12	.1	3	1	37	1.16	4	5	ND	3	4	1	2	2	40	.06	.01	2	11	.08	6	.13	2	.29	.01	.01	1	1
AL 4+00E 2+00S-B	1	4	9	16	.2	4	1	40	1.32	6	5	ND	5	6	1	3	2	42	.08	.01	5	17	.09	12	.12	2	.44	.01	.03	1	1
AL 4+00E 2+10S-B	1	113	9	33	.5	102	10	121	1.17	2	5	ND	15	28	1	2	2	6	2.69	.11	132	71	.04	116	.02	6	1.66	.01	.01	1	1
AL 4+00E 2+20S-B	1	8	3	12	.3	18	1	33	.36	4	5	ND	2	2	1	2	2	8	.07	.01	4	42	.09	24	.02	12	.24	.01	.01	2	11
AL 4+00E 2+30S-A	1	25	9	65	.9	9	6	347	.49	3	5	ND	10	67	1	2	2	4	2.03	.14	127	10	.13	67	.01	7	.64	.01	.02	1	1
AL 4+00E 2+40S-A	1	14	5	50	.6	10	1	22	.51	5	5	ND	7	78	1	2	2	2	1.58	.10	75	4	.11	76	.01	4	.42	.01	.02	1	1
AL 4+00E 2+50S-B	1	5	2	12	.1	8	1	20	.22	4	5	ND	1	5	1	2	3	4	.09	.03	4	44	.07	16	.01	2	.18	.01	.01	1	3
AL 4+00E 2+60S-A	1	42	15	38	.3	17	3	19	.43	62	5	ND	6	93	1	2	2	5	.72	.06	63	5	.07	133	.01	3	.67	.02	.03	1	1
AL 4+00E 2+70S-B	1	9	11	45	.4	8	2	113	2.45	10	5	ND	7	6	1	2	2	55	.08	.04	5	20	.25	23	.17	3	1.01	.01	.05	1	1
AL 4+00E 2+80S-A	1	30	39	194	.5	15	3	1683	.45	3	5	ND	1	67	2	2	2	7	.85	.10	7	5	.12	327	.01	4	.34	.01	.06	1	1
AL 4+00E 2+90S-B	1	34	14	129	.3	36	6	292	3.44	9	5	ND	10	8	1	2	2	53	.12	.14	9	70	.66	48	.18	4	2.20	.01	.08	1	1
AL 4+00E 3+00S-B	1	17	13	101	.2	21	4	240	3.13	8	5	ND	8	8	1	2	2	52	.12	.10	7	42	.52	36	.19	4	2.24	.01	.06	1	1
AL 4+00E 3+10S-B	1	33	23	138	.3	27	7	283	4.67	19	5	ND	12	7	1	2	2	62	.13	.17	14	53	.65	52	.21	5	3.77	.01	.10	1	4
AL 4+00E 3+20S-A	1	15	37	122	.3	10	2	826	.51	4	5	ND	1	27	1	4	2	8	.52	.10	5	8	.08	214	.01	3	.45	.01	.07	1	1
AL 4+00E 3+30S-B	1	25	21	137	.1	31	6	271	4.24	9	5	ND	11	10	1	2	2	60	.16	.09	7	48	.67	66	.23	5	2.59	.01	.11	1	1
AL 4+00E 3+40S-B	1	16	12	44	.2	29	4	114	1.32	17	5	ND	6	7	1	2	2	29	.10	.03	12	35	.28	37	.09	2	1.05	.01	.04	1	1
AL 4+00E 3+60S-A	1	24	23	155	.6	34	5	267	.46	3	5	ND	1	62	1	3	2	8	.83	.09	3	7	.09	187	.02	4	.37	.02	.05	1	1
AL 4+00E 3+70S-A	1	39	40	190	.8	27	4	529	.55	3	5	ND	1	42	2	2	2	8	.63	.16	13	7	.11	360	.01	3	.51	.01	.06	1	1
AL 4+00E 3+80S-A	1	33	39	64	.5	25	3	111	.90	6	5	ND	5	32	1	2	2	8	.39	.19	62	7	.06	173	.01	3	1.09	.01	.05	1	1
AL 4+00E 3+90S-A	1	46	30	73	.8	39	4	111	.65	2	5	ND	3	31	1	2	2	10	.44	.08	28	8	.09	141	.01	2	.56	.01	.05	1	1
AL 4+00E 4+10S-B	2	25	16	77	.4	19	4	217	4.06	11	5	ND	10	7	1	2	2	64	.13	.08	13	44	.51	29	.20	5	2.00	.01	.07	1	1
AL 4+00E 4+20S-A	1	15	45	167	1.5	8	1	675	.36	4	5	ND	1	28	1	3	2	6	.52	.13	5	5	.06	140	.01	3	.34	.01	.06	1	1
AL 4+00E 4+20S-B	1	14	8	88	.3	17	4	247	3.39	6	5	ND	7	6	1	2	2	63	.10	.05	7	34	.59	32	.22	5	1.64	.01	.08	1	1
AL 4+00E 4+30S-B	1	16	12	52	.4	8	2	94	2.77	5	5	ND	8	6	1	2	2	41	.07	.06	7	24	.23	39	.15	3	1.94	.01	.04	1	1
AL 4+00E 4+40S-B	1	16	10	107	.1	13	4	272	5.21	11	5	ND	7	6	1	2	2	59	.12	.08	9	29	.37	31	.20	5	2.25	.01	.08	1	1
STD C/FA-AU	20	60	38	136	7.7	69	27	1189	3.99	39	17	8	39	53	17	15	21	61	.48	.14	37	60	.88	180	.08	38	72	.06	.11	12	49

NORTHERN DYNASTY FILE # BS-2203

FALSB

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Tn	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Au**
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
AL 6+00E 1+60S-B	1	10	5	21	.1	26	1	73	.88	10	5	ND	3	7	1	3	2	31	.13	.01	4	21	.16	16	.15	3	.50	.01	.02	1	24
AL 6+00E 1+70S-B	1	12	8	19	.1	18	2	45	.47	4	5	ND	3	7	1	2	2	15	.10	.01	4	15	.09	27	.10	3	.45	.01	.02	1	8
AL 6+00E 1+80S-B	1	6	2	14	.1	15	2	37	.41	5	5	ND	1	5	1	2	2	14	.08	.01	4	33	.10	16	.07	2	.32	.01	.01	1	9
AL 6+00E 1+90S-B	1	4	2	8	.1	5	1	26	.38	3	5	ND	1	5	1	2	2	9	.07	.01	4	12	.03	15	.03	2	.20	.01	.01	1	20
AL 6+00E 2+00S-B	1	4	2	9	.1	9	1	35	.40	7	5	ND	1	1	1	2	2	14	.05	.01	2	54	.11	11	.04	2	.17	.01	.01	1	16
AL 6+00E 2+10S-B	1	5	2	15	.3	21	2	38	.48	13	5	ND	1	2	1	2	2	16	.07	.01	2	133	.23	15	.05	2	.31	.01	.02	1	9
AL 6+00E 2+20S-B	1	11	4	12	.1	39	3	41	.73	8	5	ND	1	2	1	2	2	20	.06	.01	4	156	.38	29	.07	2	.65	.01	.01	1	6
AL 6+00E 2+30S-B	1	16	2	12	.1	101	7	57	2.19	52	5	ND	1	2	1	2	2	62	.09	.01	2	313	.49	13	.15	2	.72	.01	.01	2	27
AL 6+00E 2+40S-B	1	36	2	12	.2	144	9	63	3.62	8	5	ND	1	1	1	2	4	49	.08	.02	2	432	.64	10	.15	2	.95	.02	.02	4	6
AL 6+00E 2+50S-B	1	3	2	7	.1	17	1	28	.51	15	5	ND	1	2	1	2	2	26	.05	.01	2	84	.17	14	.09	2	.32	.01	.01	1	4
AL 6+00E 2+60S-B	1	6	3	9	.1	18	2	37	.45	8	5	ND	1	3	1	2	2	12	.06	.02	3	94	.19	19	.03	4	.40	.01	.02	1	19
AL 6+00E 2+70S-B	1	52	7	27	.1	115	7	103	4.37	1030	5	ND	1	3	1	2	2	41	.07	.04	2	338	.89	16	.03	2	1.77	.01	.02	6	13
AL 6+00E 2+80S-B	1	17	5	13	.1	15	1	34	.51	11	5	ND	1	2	1	2	2	13	.05	.02	4	47	.12	37	.02	2	.52	.01	.02	1	6
AL 6+00E 2+90S-B	4	59	9	69	.1	303	32	154	6.14	122	5	ND	1	5	1	2	2	184	.17	.02	3	429	1.74	36	.32	5	3.67	.02	.01	3	17
AL 6+00E 3+00S-B	1	13	4	59	.1	19	3	187	2.71	14	5	ND	7	8	1	2	2	61	.15	.07	4	36	.47	35	.25	4	1.19	.01	.08	1	15
AL 6+00E 3+10S-B	1	6	5	47	.1	10	2	143	2.24	8	5	ND	5	8	1	2	2	45	.12	.04	5	24	.32	31	.17	6	1.26	.01	.06	1	9
AL 6+00E 3+20S-B	1	7	8	43	.1	8	2	129	1.74	7	5	ND	5	6	1	2	2	34	.09	.07	5	19	.27	24	.15	3	1.14	.01	.05	1	7
AL 6+00E 3+30S-B	1	13	12	66	.1	14	3	154	2.17	10	5	ND	8	9	1	2	2	39	.14	.04	7	29	.34	44	.15	4	1.55	.01	.05	1	30
AL 6+00E 3+40S-B	1	4	5	9	.2	5	1	44	.54	4	5	ND	4	11	1	2	2	18	.12	.01	8	9	.06	28	.08	2	.35	.02	.01	1	4
AL 6+00E 3+50S-B	1	12	2	9	.1	6	1	43	1.01	3	5	ND	5	7	1	2	2	25	.12	.02	9	11	.07	56	.11	2	.35	.01	.02	1	6
AL 6+00E 3+60S-B	1	17	8	15	.3	8	1	52	.54	9	5	ND	1	4	1	2	2	24	.19	.03	9	28	.13	62	.02	2	1.12	.01	.02	1	3
AL 6+00E 3+70S-B	1	39	7	29	.2	14	5	193	1.85	11	5	ND	1	6	1	2	2	64	.36	.05	2	35	.71	38	.05	3	1.56	.03	.04	2	300
AL 6+00E 3+80S-B	1	18	8	30	.1	22	6	376	1.73	70	5	ND	1	9	1	2	2	59	.41	.03	8	34	.47	51	.08	2	1.29	.03	.02	2	21
AL 6+00E 3+90S-B	2	48	18	91	.2	58	26	464	3.71	178	5	ND	5	11	1	2	2	112	.25	.02	14	58	.57	93	.21	3	2.32	.01	.02	1	13
AL 6+00E 4+00S-B	1	62	9	96	.1	51	18	787	6.35	94	5	ND	2	9	1	2	2	248	.49	.09	2	145	1.31	97	.36	6	6.15	.04	.11	1	38
AL 6+00E 4+10S-B	1	29	9	61	.1	27	11	281	2.76	18	5	ND	1	7	1	2	2	112	.32	.04	4	82	.42	68	.12	2	1.86	.04	.05	1	34
AL 6+00E 4+20S-B	1	28	10	60	.1	27	5	273	3.14	10	5	ND	4	8	1	2	2	73	.23	.06	5	51	.54	41	.25	3	1.30	.01	.06	1	5
AL 6+00E 4+30S-B	1	22	10	61	.6	54	12	304	4.06	7	5	ND	4	7	1	2	2	131	.17	.05	7	129	.98	39	.23	3	2.50	.01	.08	1	5
AL 6+00E 4+40S-B	2	40	5	121	.3	61	20	267	4.38	27	5	ND	2	9	1	2	2	112	.27	.04	3	198	1.74	27	.26	2	3.18	.05	.03	3	19
AL 6+00E 4+50S-B	1	42	11	88	.3	77	12	340	4.93	28	5	ND	9	7	1	2	2	101	.15	.09	7	158	1.16	35	.32	5	2.51	.01	.08	3	27
AL 6+00E 4+60S-B	1	23	6	69	.3	52	6	223	2.90	23	5	ND	4	8	1	2	2	60	.14	.06	6	91	.74	42	.23	4	1.64	.01	.08	1	25
AL 6+00E 4+70S-B	1	33	8	35	.2	21	3	132	2.34	11	5	ND	3	8	1	2	2	65	.12	.05	6	42	.33	23	.22	4	.82	.01	.04	1	28
AL 6+00E 4+80S-B	1	2	2	8	.1	4	1	60	.83	6	5	ND	2	7	1	2	2	29	.09	.01	7	17	.09	15	.11	2	.31	.01	.01	1	7
AL 6+00E 4+90S-B	1	6	8	14	.3	7	1	88	1.03	7	5	ND	2	7	1	2	2	27	.14	.02	5	17	.18	25	.13	2	.48	.01	.03	1	4
AL 6+00E 5+00S-B	1	66	14	15	.5	46	8	181	1.84	7	5	ND	9	51	1	2	2	20	2.94	.11	86	38	.27	135	.04	5	3.13	.01	.02	1	5
AL 6+00E 1+80M-B	1	49	30	137	.7	4	1	95	6.92	21	5	ND	1	1	1	2	17	138	.04	.05	2	186	.72	24	.12	3	.95	.01	.07	4	21
STB C/FA-AU	22	60	38	134	2.2	66	27	1204	3.98	40	17	8	37	53	17	15	21	59	.48	.14	36	58	.88	182	.08	40	1.72	.06	.10	12	50

NORTHERN DYNASTY FILE # 85-2203

PAGE 2

SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Hg 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 %	W PPM	Mo** PPM
AL 4+00E 4+50S-B	1	20	16	106	.3	15	4	150	3.62	2	5	ND	7	6	1	2	2	61	.09	.10	5	42	.38	29	.16	4	2.04	.03	.07	1	2
AL 4+00E 4+60S-B	1	15	16	79	.1	12	3	166	3.04	4	5	ND	9	7	1	2	2	50	.11	.08	7	27	.40	30	.18	9	1.77	.02	.07	1	1
AL 4+00E 4+70S-B	1	27	17	100	.1	15	5	183	4.00	4	5	ND	11	5	1	2	2	57	.08	.10	5	31	.42	29	.19	10	2.66	.01	.06	1	1
AL 4+00E 4+80S-B	2	29	16	139	.2	24	6	270	4.64	5	5	ND	8	7	1	4	2	64	.10	.20	5	42	.68	47	.20	5	4.48	.01	.12	1	1
AL 4+00E 4+90S-B	1	9	13	51	.1	4	1	71	2.17	2	5	ND	6	6	1	2	2	35	.06	.05	4	15	.14	29	.10	4	1.71	.01	.03	1	1
AL 4+00E 5+00S-A	1	23	39	172	.1	9	2	823	.44	2	5	ND	1	38	1	2	2	7	.67	.12	5	7	.07	189	.01	4	.34	.01	.06		
AL 4+00E 1+50M-B	1	21	14	62	.2	21	7	264	1.42	3	5	ND	5	7	1	2	2	20	.24	.05	10	21	.15	36	.06	3	.63	.01	.04	1	8
AL 4+00E 1+40M-B	1	38	29	77	.3	13	2	63	.73	2	5	ND	3	13	1	2	2	17	.35	.03	14	12	.06	57	.05	4	.60	.01	.06	1	1
AL 4+00E 1+30M-B	1	23	16	55	.1	21	4	168	1.74	12	5	ND	6	9	1	2	2	33	.18	.07	4	29	.37	31	.04	4	1.01	.01	.06	1	1
AL 4+00E 1+20M-B	1	15	12	52	.2	18	3	139	1.66	10	5	ND	6	10	1	2	2	31	.17	.01	8	25	.39	24	.09	4	.99	.01	.05	1	1
AL 4+00E 1+10M-B	1	40	23	166	.2	21	5	201	2.20	13	5	ND	5	13	1	2	2	39	.26	.02	11	34	.50	49	.11	5	1.46	.01	.07	1	3
AL 4+00E 1+00M-A	1	285	262	412	3.7	180	92	1398	2.24	32	6	ND	7	48	7	2	2	25	2.16	.13	117	32	.32	175	.04	7	1.91	.01	.07	1	2
AL 4+00E 0+90M-B	1	22	20	65	.7	13	1	78	5.09	163	5	ND	3	6	1	2	2	76	.07	.03	4	36	.15	11	.19	3	.93	.01	.02	1	1
AL 4+00E 0+80M-B	1	18	42	88	1.2	10	2	1178	.46	6	5	ND	1	17	1	2	2	7	.42	.10	4	12	.06	165	.01	5	.36	.01	.06	1	1
AL 4+00E 0+70M-A	1	38	24	54	.1	6	2	35	1.43	4	5	ND	3	39	1	2	2	17	.37	.10	31	28	.12	76	.03	7	1.55	.01	.06	1	6
AL 4+00E 0+60M-A	1	55	27	33	.1	9	2	15	.75	2	5	ND	2	34	1	2	2	5	.26	.07	39	7	.04	88	.02	2	.67	.01	.01	1	2
AL 4+00E 0+50M-A	1	47	16	31	.3	15	3	22	.52	2	8	ND	3	51	1	2	2	6	.31	.07	28	6	.04	107	.01	3	.69	.01	.04	1	2
AL 4+00E 0+40M-B	1	10	7	10	.1	3	1	60	1.18	2	5	ND	1	3	1	2	3	47	.12	.01	2	5	.16	11	.14	2	.31	.02	.01	1	2
AL 4+00E 0+30M-B	1	2	2	6	.1	1	1	21	.60		5	ND	3	6	1	2	2	13	.06	.01	5	7	.02	10	.04	2	.18	.01	.01	1	2
AL 4+00E 0+20M-B	1	1	3	6	.1	1	1	13	.38	2	5	ND	5	3	1	2	2	9	.03	.01	3	5	.01	6	.03	2	.16	.01	.01	1	3
AL 4+00E 0+10M-B	1	9	11	33	.1	8	2	111	2.58	2	5	ND	6	6	1	2	2	59	.07	.01	5	23	.28	20	.16	4	.91	.01	.04	1	18
AL 4+00E 0+00M-B	1	14	5	74	.1	26	4	131	1.16	4	5	ND	3	42	1	2	2	6	2.77	.09	18	8	.13	99	.02	13	.47	.02	.01	1	6
AL 4+00E 0+00M-B	1	3	4	14	.1	1	1	38	.87	2	5	ND	3	5	1	3	2	16	.05	.01	4	8	.05	11	.05	2	.22	.01	.02	1	1
AL 4+00E 0+10S-B	1	2	4	14	.1	2	1	32	.71	2	5	ND	4	4	1	2	2	22	.05	.01	2	10	.06	8	.10	2	.28	.01	.02	1	3
AL 4+00E 0+20S-B	1	2	8	9	.1	1	1	14	.28	2	5	ND	3	4	1	2	2	12	.04	.01	3	7	.03	12	.08	2	.29	.01	.01	1	4
AL 4+00E 0+30S-B	1	16	10	39	.1	14	4	133	2.76	4	5	ND	6	8	1	2	2	53	.09	.02	8	38	.37	31	.11	4	1.87	.01	.06	1	1
AL 4+00E 0+40S-B	1	11	4	22	.1	8	2	75	1.46	12	5	ND	4	5	1	2	2	28	.11	.03	5	17	.21	18	.08	4	.99	.01	.04	1	5
AL 4+00E 0+50S-B	1	3	9	15	.1	4	1	66	1.01	2	5	ND	4	8	1	2	2	24	.08	.01	11	14	.13	20	.08	3	.81	.01	.02	1	1
AL 4+00E 0+60S-B	1	9	7	35	.1	15	4	143	2.26	2	5	ND	7	11	1	2	2	42	.12	.01	10	35	.39	33	.12	5	1.56	.01	.06	1	2
AL 4+00E 0+70S-B	1	16	8	19	.1	6	1	53	.96	7	5	ND	5	8	1	2	2	21	.07	.01	9	16	.15	18	.08	4	.91	.01	.04	1	1
AL 4+00E 0+80S-A	4	50	33	72	.6	81	96	7532	6.11	282	5	ND	13	37	1	2	2	71	1.21	.12	88	53	.37	146	.06	10	2.13	.02	.07	1	48
AL 4+00E 0+90S-B	1	7	9	25	.1	23	5	188	1.61	9	5	ND	4	8	1	2	2	33	.16	.01	9	46	.34	25	.12	4	1.61	.01	.03	1	1
AL 4+00E 1+00S-B	1	22	15	52	.1	21	5	181	3.63	8	5	ND	8	9	1	2	2	64	.11	.03	9	39	.49	54	.18	8	2.40	.02	.08	1	2
AL 4+00E 1+10S-B	1	8	8	17	.1	6	2	83	1.94	6	5	ND	4	8	1	2	2	36	.11	.02	7	19	.17	18	.12	5	1.25	.01	.02	1	2
AL 4+00E 1+30S-B	1	4	4	15	.1	4	1	51	.78	2	5	ND	2	6	1	2	2	19	.06	.01	6	10	.10	16	.08	2	.40	.01	.02	1	13
AL 4+00E 1+50S-A	1	171	9	49	.5	572	197	2199	2.33	143	5	ND	11	42	1	2	2	16	2.63	.15	146	159	.09	186	.02	8	1.81	.01	.01	1	1
STD C/FA-AU	20	61	40	134	7.0	69	28	1208	3.97	40	15	8	38	49	17	15	20	62	.48	.14	37	59	.88	175	.08	39	1.72	.05	.11	12	49

NORTHERN DYNASTY FILE # BS-2203

FALGE 4

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	F	Al	Na	K	W	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
AL B+DOE 1+50N-B	1	23	141	571	.6	9	2	99	2.61	24	5	ND	1	6	1	2	2	84	.15	.03	6	27	.32	35	.18	4	.99	.01	.02	1	6
AL B+DOE 1+40N-B	1	44	33	178	.3	14	5	122	4.51	15	5	ND	6	6	1	2	2	75	.12	.02	10	31	.47	20	.19	4	1.60	.01	.02	1	60
AL B+DOE 1+30N-A	3	193	1641	4646	1.5	59	38	1216	6.52	82	5	ND	3	8	4	9	2	153	.46	.04	11	132	1.14	54	.27	5	4.62	.03	.05	1	90
AL B+DOE 1+20N-B	2	59	75	345	.5	43	7	207	8.24	112	5	ND	2	5	1	2	2	128	.09	.04	4	236	.54	27	.21	2	1.42	.01	.02	1	30
AL B+DOE 1+00N-A	1	16	41	154	.4	12	20	2075	.78	36	5	ND	2	38	2	2	2	6	1.69	.14	30	12	.11	65	.01	7	.52	.01	.03	1	1
AL B+DOE 0+90N-A P	1	40	18	141	.3	23	4	953	.88	30	5	ND	5	28	3	2	2	6	3.33	.11	30	13	.07	96	.01	5	.65	.01	.01	1	2
AL B+DOE 0+80N-B	1	14	29	58	.3	23	4	136	1.15	8	5	ND	2	2	1	2	2	34	.15	.01	3	86	.33	21	.08	2	.66	.01	.04	1	1
AL B+DOE 0+60N-A	2	231	703	2540	7.9	139	26	782	4.78	1496	5	ND	12	31	11	2	2	98	1.18	.13	82	466	1.46	111	.19	5	4.59	.02	.11	1	12
AL B+DOE 0+50N-B	1	37	137	447	.8	57	16	199	5.09	211	5	ND	2	4	1	4	2	234	.14	.02	6	167	1.07	35	.32	4	2.94	.04	.06	1	10
AL B+DOE 0+40N-A	1	21	25	118	.2	8	2	68	.33	9	5	ND	1	35	3	2	2	7	.42	.09	13	7	.06	84	.02	3	.40	.01	.03	1	1
AL B+DOE 0+30N-A	1	99	30	65	.2	28	3	24	1.15	29	5	ND	5	27	1	2	2	13	.24	.09	45	17	.06	80	.06	4	1.64	.03	.03	1	12
AL B+DOE 0+20N-B	1	25	22	60	.1	15	5	184	2.80	8	5	ND	8	7	1	3	2	49	.11	.02	18	22	.44	33	.21	4	2.18	.01	.04	1	2
AL B+DOE 0+10N-A	1	30	33	115	.1	20	3	109	.50	3	5	ND	1	92	2	2	2	6	.95	.10	11	6	.09	208	.01	5	.58	.09	.04	1	6
AL B+DOE 0+00N-A	1	82	23	69	.2	40	3	117	.93	5	5	ND	6	38	1	2	2	6	.88	.11	85	20	.10	120	.02	3	1.09	.01	.05	1	2
AL B+DOE 0+10S-A	1	26	8	49	.5	12	3	148	.89	3	5	ND	4	33	1	2	2	6	.87	.26	58	15	.08	63	.01	7	1.08	.01	.02	1	6
AL B+DOE 0+20S-A	1	24	13	37	.1	11	2	160	.90	4	5	ND	2	25	1	2	2	10	.46	.16	42	20	.09	49	.01	5	.87	.01	.01	2	2
AL B+DOE 0+30S-A	1	64	24	42	.2	21	3	162	1.69	6	5	ND	5	34	1	2	2	16	.62	.17	79	33	.07	66	.02	5	1.67	.01	.01	1	6
AL B+DOE 0+40S-A	1	48	26	60	.1	21	2	38	1.02	3	5	ND	2	42	1	2	2	6	.55	.11	57	16	.07	106	.03	4	1.39	.01	.01	1	10
AL B+DOE 0+50S-A	1	30	14	45	.1	14	1	30	.84	2	5	ND	1	30	1	2	2	5	.44	.19	33	21	.05	65	.02	6	1.31	.03	.01	1	2
AL B+DOE 0+60S-A	1	21	11	42	.1	11	1	25	.41	2	5	ND	1	27	1	2	2	6	.37	.04	20	9	.04	44	.02	3	.54	.01	.01	1	1
AL B+DOE 0+70S-A	1	16	10	51	.1	13	1	33	.56	2	5	ND	1	39	1	2	2	4	.59	.12	22	8	.06	64	.01	7	.79	.02	.01	1	2
AL B+DOE 0+80S-A	1	13	49	85	.1	7	1	181	2.38	4	5	ND	1	24	1	2	2	6	.36	.09	7	6	.05	106	.01	4	.46	.01	.04	1	1
AL B+DOE 0+90S-B	1	12	24	62	.1	14	4	219	2.35	11	5	ND	5	10	1	2	2	55	.16	.03	10	18	.36	28	.20	3	1.37	.01	.04	1	8
AL B+DOE 1+00S-A	1	23	18	43	.1	8	2	21	.76	3	5	ND	1	33	1	2	2	5	.24	.11	14	9	.04	88	.01	4	1.18	.02	.02	1	2
AL B+DOE 1+10S-A	1	33	17	59	.3	17	2	56	.45	4	5	ND	1	43	1	2	2	4	.35	.08	15	7	.05	123	.02	4	.81	.02	.03	1	2
AL B+DOE 1+20S-B	1	4	13	30	.1	6	1	84	1.02	3	5	ND	1	7	1	2	2	40	.09	.01	3	17	.18	16	.19	3	.58	.01	.02	1	1
AL B+DOE 1+30S-B	1	3	12	12	.1	2	1	27	.45	2	5	ND	3	4	1	2	2	14	.05	.01	3	9	.06	7	.12	3	.36	.01	.01	1	2
AL B+DOE 1+40S-A	1	19	30	78	.1	14	2	118	.63	5	5	ND	1	31	1	2	2	8	.46	.09	10	8	.09	179	.03	4	.49	.01	.06	1	1
AL B+DOE 1+50S-A	1	18	22	60	.1	12	2	68	.39	2	5	ND	1	34	1	2	2	6	.44	.18	7	6	.06	100	.02	4	.45	.01	.04	1	2
AL B+DOE 1+60S-A	1	19	28	60	.3	7	2	57	.47	4	5	ND	1	38	1	2	2	6	.27	.10	14	6	.05	108	.02	3	.68	.01	.03	1	2
AL B+DOE 1+70S-A	1	37	17	47	.1	12	4	19	.47	2	5	ND	3	65	1	2	2	5	.59	.06	45	10	.06	195	.03	3	.94	.01	.01	1	6
AL B+DOE 1+85S-A	1	142	53	41	.2	112	4	33	2.76	6	5	ND	13	25	1	2	2	15	.38	.15	80	111	.09	98	.04	5	2.87	.01	.01	1	2
AL B+DOE 2+00S-B	1	8	16	56	.1	11	3	203	2.23	4	5	ND	5	7	1	3	2	46	.12	.03	4	18	.41	28	.21	4	.96	.01	.10	1	8
AL B+DOE 2+10S-A	1	97	14	60	.3	145	9	30	.81	2	5	ND	14	63	1	2	2	6	1.80	.10	179	26	.13	182	.02	4	.99	.01	.02	1	1
AL B+DOE 2+20S-B	1	5	7	18	.1	8	1	27	.34	2	5	ND	1	5	1	2	2	10	.11	.01	8	26	.08	19	.08	2	.26	.01	.01	1	2
AL B+DOE 2+30S-B	1	39	16	43	.1	131	13	109	4.67	15	5	ND	2	5	1	2	2	79	.16	.01	6	370	1.17	32	.16	1	1.91	.01	.03	1	420
STD C/FA-AU	20	58	40	135	7.1	69	27	1162	3.96	41	17	8	34	51	16	15	20	59	.48	.15	36	59	.87	176	.07	37	1.70	.06	.09	12	49

NORTHERN DYNASTY FILE # 85-1208

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	S	Al	Na	K	M	Aux	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
AL B+00E 2+40S-B	1	5	2	11	.1	14	1	17	.27	2	5	ND	1	2	1	2	7	.05	.02	2	53	.09	15	.01	4	.19	.01	.02	1	1		
AL B+00E 2+50S-B	1	22	6	52	.3	19	2	27	.27	4	5	ND	6	85	1	2	3	5	1.47	.08	62	3	.11	117	.02	6	.35	.02	.03	1	1	
AL B+00E 2+60S-A	1	133	65	52	.9	79	7	133	1.02	10	5	ND	12	45	2	2	2	16	.48	.10	110	10	.09	365	.03	3	1.20	.01	.09	1	1	
AL B+00E 2+70S-B	1	17	14	60	.1	15	4	214	2.39	5	5	ND	9	7	1	2	2	32	.14	.05	7	27	.40	29	.14	3	1.37	.01	.07	1	1	
AL B+00E 2+80S-B	1	21	10	68	.1	13	4	270	2.31	5	5	ND	9	6	1	2	2	34	.21	.10	8	19	.44	28	.14	2	1.52	.02	.08	1	1	
AL B+00E 2+90S-B	1	15	11	102	.1	17	4	261	3.07	4	5	ND	8	8	1	2	2	51	.14	.06	4	26	.60	30	.24	3	1.78	.02	.08	1	1	
AL B+00E 3+00S-B	1	11	11	74	.1	12	4	254	2.78	7	5	ND	11	10	1	2	2	47	.20	.11	6	24	.46	34	.18	2	1.26	.01	.10	1	2	
AL B+00E 3+10S-A	1	49	54	152	.3	44	4	925	.79	6	5	ND	3	47	3	2	2	12	.54	.10	35	8	.08	305	.01	3	.70	.01	.07	1	1	
AL B+00E 3+20S-B	1	27	15	92	.1	21	5	228	3.52	16	5	ND	9	8	1	2	2	58	.12	.10	8	33	.53	34	.23	3	2.14	.01	.06	1	1	
AL B+00E 3+30S-B	1	49	19	116	.1	44	9	325	4.86	28	5	ND	12	9	1	3	2	61	.15	.09	12	59	.79	59	.26	2	3.80	.01	.11	1	1	
AL B+00E 3+40S-B	1	14	8	32	.1	157	13	129	3.47	297	7	ND	4	5	1	2	2	68	.14	.02	2	270	1.15	21	.13	2	2.22	.01	.02	4	3	
AL B+00E 3+50S-A	1	78	34	53	.1	161	7	58	1.13	64	5	ND	1	7	1	2	2	18	.14	.11	8	92	.23	88	.02	3	.80	.01	.04	2	2	
AL B+00E 3+60S-B	1	29	10	44	.1	115	9	122	2.24	180	5	ND	3	5	1	2	2	74	.11	.03	5	184	.75	66	.10	2	1.33	.01	.04	1	2	
AL B+00E 3+70S-A	1	22	41	121	.1	41	4	619	.64	9	5	ND	1	24	1	2	2	13	.55	.09	5	11	.07	246	.01	3	.61	.01	.05	1	1	
AL B+00E 3+80S-B	1	18	8	55	.2	36	5	121	2.15	54	5	ND	5	6	1	2	2	70	.13	.02	4	38	.39	27	.17	3	1.19	.01	.03	1	1	
AL B+00E 3+90S-A	1	60	30	50	.4	66	5	818	.54	2	5	ND	1	21	1	2	2	12	.64	.06	6	7	.14	171	.01	5	.40	.01	.03	1	1	
AL B+00E 4+00S-A	1	100	28	47	.7	80	10	308	1.09	6	5	ND	2	20	1	2	2	18	.61	.10	17	15	.16	130	.02	3	1.08	.02	.05	2	1	
AL B+00E 4+10S-B	1	105	14	61	.3	126	23	678	3.39	276	5	ND	3	8	1	2	2	68	.33	.05	10	143	.44	86	.07	2	2.01	.02	.02	1	2	
AL B+00E 4+20S-B	1	29	13	56	.1	40	13	530	1.99	44	5	ND	3	6	1	2	2	64	.22	.03	7	48	.36	51	.09	3	1.25	.01	.02	1	1	
AL B+00E 4+30S-B	1	11	7	56	.1	23	5	204	1.54	10	7	ND	6	5	1	2	3	34	.13	.01	4	35	.50	17	.16	2	.98	.01	.03	1	2	
AL B+00E 4+40S-B	1	16	10	78	.2	37	11	476	1.75	17	5	ND	6	8	1	2	2	36	.19	.03	5	50	.53	37	.14	3	1.12	.01	.04	1	1	
AL B+00E 4+50S-A	1	43	38	68	1.0	42	9	507	.54	2	5	ND	1	35	1	2	2	9	.96	.12	10	7	.10	148	.01	3	.44	.01	.06	1	1	
AL B+00E 4+60S-B	1	18	12	45	.1	31	4	121	1.42	6	5	ND	3	10	1	2	2	31	.15	.03	9	61	.41	36	.14	2	.91	.01	.05	1	2	
AL B+00E 4+70S-B	1	20	9	37	.3	19	3	105	2.25	10	8	ND	6	5	1	2	2	65	.11	.04	3	32	.25	23	.23	2	.73	.01	.04	2	1	
AL B+00E 4+80S-B	1	5	3	19	.1	15	1	59	1.42	3	5	ND	3	5	1	2	2	50	.07	.02	5	40	.17	11	.16	3	.48	.01	.02	1	1	
AL B+00E 4+90S-A	1	13	26	73	.2	23	3	199	.25	4	5	ND	1	41	1	2	2	4	.74	.10	4	2	.08	133	.01	5	.22	.02	.06	1	1	
AL B+00E 5+00S-B	1	4	4	21	.1	4	2	82	2.02	2	5	ND	4	8	1	2	2	53	.16	.02	2	6	.12	20	.20	2	.26	.01	.03	1	1	
AL 10E 2+20M-B	1	13	12	19	.1	6	2	48	2.45	2	8	ND	20	5	1	2	2	27	.07	.02	19	18	.11	18	.11	6	3.34	.01	.02	1	4	
AL 10E 2+00M-B	1	9	7	15	.1	21	2	63	.95	5	5	ND	4	6	1	2	2	19	.14	.01	5	14	.15	15	.08	3	.57	.01	.03	1	1	
AL 10E 1+80M-A	1	26	4	56	.3	21	2	61	.83	3	5	ND	5	38	1	2	2	9	2.17	.08	54	15	.16	74	.03	5	.86	.01	.02	1	1	
AL 10E 1+60M-B	1	4	4	20	.1	6	2	114	.72	2	5	ND	4	7	1	2	2	13	.23	.03	7	9	.16	14	.07	2	.36	.01	.03	1	1	
AL 10E 1+40M-B	1	6	5	13	.1	4	1	49	.88	2	5	ND	3	6	1	2	2	28	.10	.01	4	10	.10	8	.15	2	.35	.01	.01	1	1	
AL 10E 1+10M-B	1	7	9	24	.1	9	2	67	1.18	3	5	ND	4	8	1	2	2	27	.20	.01	5	18	.21	26	.10	4	1.00	.01	.06	1	2	
AL 10E 1+20M-B	1	15	12	47	.1	21	5	194	3.62	8	7	ND	7	15	1	2	2	45	.15	.01	9	48	.59	40	.16	7	1.97	.01	.11	1	1	
AL 10E 1+00M-B	1	4	10	20	.1	2	1	37	.57	2	5	ND	4	6	1	2	2	19	.08	.01	7	7	.07	15	.12	2	.34	.01	.03	1	1	
STD C/FA-AU	20	60	40	134	7.1	70	28	1205	4.00	40	16	8	40	53	17	16	21	62	.48	.14	37	61	.88	182	.08	40	1.72	.06	.11	12	49	

NORTHERN DYNASTY FILE W 85-2203

PAGE 6

SAMPLE#	Ro PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Li PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Ka %	Cr PPM	Mn PPM	Au** PPM
AL 10E 0+90H-B	1	4	3	21	.2	3	1	59	.54	2	5	ND	2	5	1	2	2	13	.09	.01	3	7	.10	13	.05	2	.26	.01	.04	1	1
AL 10E 0+80H-B	1	4	4	21	.2	3	1	61	.62	2	5	ND	3	4	1	2	2	22	.09	.01	3	8	.10	13	.15	2	.28	.01	.02	1	2
AL 10E 0+70H-B	1	40	52	230	.4	101	19	267	5.47	30	5	ND	2	4	1	2	3	196	.20	.04	2	491	.70	31	.21	4	3.87	.02	.02	1	2
AL 10E 0+60H-B	1	224	352	1187	1.8	80	25	400	6.02	9	5	ND	2	3	1	2	2	202	.20	.04	3	212	1.25	25	.27	6	6.11	.02	.05	1	9
AL 10E 0+50H-B	1	57	79	85	.7	30	8	198	4.48	47	5	ND	1	2	1	2	2	294	.13	.02	2	84	.42	29	.27	2	1.88	.01	.07	1	2
AL 10E 0+40H-B	1	132	97	199	1.4	114	42	1002	7.08	34	5	ND	2	10	1	2	2	220	.61	.03	11	198	.74	86	.21	3	4.71	.03	.03	1	1
AL 10E 0+30H-B	1	59	22	72	.7	35	11	197	3.59	6	5	ND	2	5	1	2	2	180	.31	.03	2	94	.30	40	.16	3	2.47	.08	.04	1	1
AL 10E 0+20H-B	1	71	74	156	1.3	71	27	271	5.26	143	5	ND	3	6	1	2	2	248	.31	.03	2	131	.64	57	.20	3	5.14	.06	.06	1	4
AL 10E 0+10H-B	1	67	10	35	1.0	68	8	17	1.11	87	5	ND	1	26	1	2	2	8	3.10	.11	8	13	.12	73	.02	3	1.29	.01	.01	1	1
AL 10E 0+10H-B	1	47	30	73	.4	33	9	216	3.78	9619	5	ND	3	5	1	2	2	75	.23	.04	2	38	.26	54	.10	4	1.11	.01	.06	3	270
AL 10E 0+00H-A	1	148	21	225	1.7	297	1	29	.91	88	5	ND	4	32	3	2	2	7	2.87	.11	37	15	.21	65	.02	4	.68	.01	.02	1	1
AL 10E 0+00H-B	1	23	12	119	.1	44	5	195	2.35	395	5	ND	5	7	1	2	2	37	.30	.02	9	28	.38	22	.12	4	.79	.01	.06	1	1
AL 10E 0+105-A	1	76	9	544	2.0	200	5	1149	.70	165	6	ND	3	37	3	2	2	11	3.84	.16	40	18	.24	94	.01	10	1.04	.01	.03	1	2
AL 10E 0+205-A	2	62	30	42	1.8	27	26	1384	2.16	472	5	ND	7	33	1	2	2	29	1.17	.29	103	42	.14	77	.01	7	1.34	.01	.03	1	1
AL 10E 0+305-A	1	45	18	28	.4	12	2	27	.69	10	5	ND	5	24	1	2	2	7	.41	.10	50	22	.05	52	.01	2	1.00	.01	.04	1	1
AL 10E 0+305-B	1	12	4	25	.2	14	3	164	.96	12	5	ND	4	6	1	2	2	18	.12	.01	8	16	.20	17	.09	2	.70	.01	.03	1	3
AL 10E 0+405-A	1	19	23	49	.2	18	3	164	.77	13	5	ND	1	8	1	2	2	24	.26	.03	2	71	.17	63	.06	4	.49	.03	.03	1	1
AL 10E 0+405-B	1	65	34	75	.2	78	18	247	4.09	51	5	ND	2	6	1	2	2	97	.19	.02	4	352	.76	37	.24	4	3.16	.03	.04	1	1
AL 10E 0+505-A	1	24	18	51	.3	12	2	64	.58	6	5	ND	4	21	1	2	2	10	.30	.04	15	32	.04	73	.03	2	.41	.01	.03	1	1
AL 10E 0+505-B	1	8	16	35	.1	9	2	114	1.88	8	5	ND	6	5	1	2	2	84	.09	.01	4	32	.25	17	.24	6	.73	.01	.06	1	1
AL 10E 0+605-A	1	38	20	51	.4	32	3	29	.91	5	5	ND	3	28	1	2	2	8	.63	.15	34	22	.07	78	.01	3	.85	.01	.03	1	1
AL 10E 0+705-A	1	62	28	31	.5	112	4	19	1.33	4	5	ND	5	35	1	2	2	5	.76	.18	74	46	.07	142	.01	3	1.21	.01	.01	1	1
AL 10E 0+705-B	1	7	9	19	.1	14	1	64	.62	2	5	ND	2	6	1	2	2	14	.11	.01	7	29	.21	19	.07	2	.46	.01	.01	1	135
AL 10E 0+805-A	1	43	26	37	.5	45	4	35	.67	3	5	ND	3	19	1	2	2	12	.21	.06	20	43	.08	59	.03	2	.84	.01	.02	1	1
AL 10E 0+805-B	1	24	34	60	.2	50	6	158	3.79	24	5	ND	6	6	1	2	2	129	.11	.02	6	94	.41	19	.28	4	1.17	.01	.05	1	1
AL 10E 0+905-A	1	97	35	45	.2	92	5	70	1.63	6	5	ND	3	21	1	2	2	18	.25	.08	30	108	.17	99	.05	4	1.56	.01	.04	1	1
AL 10E 1+005-B	1	201	19	57	.7	478	73	1176	3.19	6	5	ND	14	38	1	2	2	36	1.29	.14	159	271	.20	145	.03	7	1.88	.01	.02	1	1
AL 10E 1+105-B	1	10	8	13	.1	29	2	35	.44	2	5	ND	1	2	1	2	2	13	.05	.01	4	141	.36	22	.04	2	.53	.01	.01	1	2
AL 10E 1+205-B	1	44	23	59	.1	69	9	135	4.96	3	5	ND	15	7	1	2	2	64	.09	.04	20	303	.45	34	.19	4	4.72	.01	.04	1	1
AL 10E 1+305-B	1	12	8	48	.1	22	3	157	2.89	2	5	ND	7	7	1	2	2	76	.09	.02	5	45	.51	25	.31	3	1.56	.01	.08	1	1
AL 10E 1+405-B	1	25	20	58	.1	19	4	162	4.50	3	5	ND	8	5	1	2	2	75	.06	.03	7	44	.39	23	.25	4	3.59	.01	.05	1	2
AL 10E 1+605-B	1	12	15	27	.1	11	2	92	2.10	5	5	ND	4	5	1	2	2	78	.09	.01	6	27	.26	17	.20	5	.96	.01	.04	1	1
AL 10E 1+705-B	1	14	11	34	.1	19	3	104	1.81	2	5	ND	6	9	1	2	2	45	.10	.02	9	37	.30	20	.18	3	1.17	.01	.06	1	1
AL 10E 1+805-B	1	18	13	52	.1	19	9	155	3.89	6	5	ND	6	7	1	2	2	95	.09	.02	6	29	.43	27	.30	4	1.35	.01	.08	1	1
AL 10E 1+905-B	1	8	10	26	.1	9	2	95	1.74	3	5	ND	5	5	1	2	2	61	.08	.01	4	20	.25	20	.20	3	.81	.01	.03	1	1
AL 10E 2+005-B	2	113	21	81	.1	34	11	199	7.14	7	5	ND	7	5	1	2	2	206	.07	.04	2	70	.55	23	.41	3	2.29	.01	.05	1	1
STD C/PFA-AU	21	61	39	135	6.9	68	28	1215	3.98	40	18	8	36	48	17	15	23	63	.48	.14	36	60	.88	184	.08	40	1.72	.06	.11	12	50

NORTHERN DYNASTY FILE # 85-2203

PAGE 7

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	In	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	N	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	1	1	1	1	1	1	PPM	PPM
AL 10E 2+105-A	1	66	13	24	.2	72	5	11	.64	2	5	ND	6	43	1	2	2	4	.18	.09	63	12	.05	163	.01	3	1.13	.01	.01	1	1
AL 10E 2+305-A	1	29	7	32	.7	62	2	28	.62	2	8	ND	7	22	1	2	2	5	.52	.18	72	25	.06	118	.01	6	1.03	.01	.02	1	1
AL 10E 2+405-B	1	26	7	33	.2	208	17	75	3.38	2	5	ND	3	3	1	2	4	45	.08	.02	14	565	.55	17	.17	6	2.34	.01	.02	1	10
AL 10E 2+505-A	1	40	5	30	.4	68	2	16	.54	2	5	ND	3	31	1	2	2	4	1.79	.08	25	42	.07	78	.01	3	.56	.01	.01	1	1
AL 10E 2+605-A	1	66	9	25	.3	290	19	504	1.96	68	7	ND	6	37	1	2	2	20	3.13	.20	50	267	.08	113	.02	8	2.37	.01	.01	1	1
AL 10E 2+705-B	1	17	11	17	.1	78	6	59	1.56	4	5	ND	2	3	1	2	2	50	.10	.02	9	208	.41	23	.11	3	.84	.01	.02	2	1
AL 10E 2+805-B	1	15	9	31	.2	67	6	115	2.00	12	5	ND	5	4	1	2	6	74	.10	.02	10	258	.61	19	.24	7	.87	.01	.06	1	1
AL 10E 2+905-B	1	11	8	60	.2	15	2	193	2.62	5	5	ND	6	6	1	2	2	69	.09	.04	13	29	.50	27	.30	5	1.29	.01	.07	1	1
AL 10E 3+005-B	1	198	12	46	.3	290	38	229	5.22	718	5	ND	5	3	1	2	3	79	.08	.09	25	264	.56	21	.12	8	2.38	.01	.02	4	4
AL 10E 3+105-B	1	20	13	53	.2	25	4	162	3.20	87	5	ND	6	6	1	2	2	79	.10	.04	16	46	.51	25	.26	6	1.27	.01	.07	1	1
AL 10E 3+205-B	1	13	10	28	.2	44	5	90	2.20	117	5	ND	4	4	1	2	2	49	.07	.02	13	96	.19	28	.09	5	.94	.01	.02	2	2
AL 10E 3+305-B	1	16	12	52	.3	18	4	204	2.24	11	5	ND	6	7	1	2	2	39	.18	.10	16	30	.38	29	.14	5	1.14	.02	.11	1	1
AL 10E 3+405-B	1	23	16	72	.2	24	5	216	3.54	24	5	ND	10	6	1	2	2	60	.13	.09	20	39	.50	35	.21	8	2.14	.02	.07	1	1
AL 10E 3+505-B	1	24	9	28	.3	165	14	60	3.14	889	5	ND	4	4	1	2	3	70	.10	.03	13	229	.58	39	.10	4	2.21	.01	.02	2	3
AL 10E 3+605-B	1	18	17	29	.2	30	2	48	4.34	219	5	ND	5	4	1	2	2	90	.09	.02	19	121	.22	37	.08	5	1.42	.01	.02	1	1
AL 10E 3+705-B	1	27	7	22	.1	198	13	70	2.29	868	5	ND	2	3	1	2	2	51	.08	.02	10	262	.61	19	.10	4	1.21	.01	.02	2	4
AL 10E 3+805-B	1	63	13	65	.2	125	19	199	5.31	2490	5	ND	4	5	1	2	2	112	.16	.06	18	318	.77	35	.05	8	2.71	.01	.03	4	5
AL 10E 3+905-B	1	125	8	53	.2	35	17	163	4.71	82	5	ND	3	7	1	2	2	118	.34	.04	13	71	1.14	27	.19	7	6.03	.07	.02	1	6
AL 10E 4+005-B	1	91	11	56	.4	24	14	129	5.64	332	5	ND	2	3	1	2	2	186	.19	.03	16	24	.93	42	.21	6	2.68	.02	.03	1	5
AL 10E 4+105-B	1	61	12	32	.1	12	4	120	2.97	78	5	ND	5	4	1	2	2	73	.13	.03	16	31	.18	47	.03	4	2.58	.01	.02	1	1
AL 10E 4+205-B	1	131	14	58	.1	53	24	481	6.42	22	5	ND	3	6	1	2	2	194	.43	.01	22	114	.60	81	.18	7	4.39	.02	.06	1	1
AL 10E 4+305-B	1	36	11	45	.3	20	5	163	3.47	134	5	ND	4	5	1	2	2	109	.23	.03	15	53	.26	41	.12	4	1.93	.02	.04	1	1
AL 10E 4+405-A	1	27	10	41	.2	9	3	473	.75	4	5	ND	1	9	1	2	2	22	.43	.06	4	16	.13	49	.02	3	.69	.01	.03	1	14
AL 10E 4+505-B	1	12	7	50	.1	10	3	158	1.16	66	5	ND	5	6	1	2	2	39	.14	.02	9	17	.28	33	.12	3	.99	.01	.02	1	13
AL 10E 4+605-B	1	9	11	105	.2	15	12	670	2.05	81	5	ND	6	7	1	2	2	36	.18	.03	8	18	.52	33	.19	3	1.11	.01	.05	1	1
AL 10E 4+705-B	1	12	15	81	.3	13	4	224	2.67	13	5	ND	8	7	1	3	2	52	.13	.08	10	21	.50	37	.24	3	1.42	.01	.09	1	1
AL 10E 4+805-B	1	20	11	74	.3	16	4	216	3.04	6	5	ND	6	7	1	2	2	63	.12	.07	14	27	.58	28	.26	3	1.43	.01	.12	1	1
AL 10E 4+905-B	1	8	12	49	.4	6	1	83	2.10	2	5	ND	7	5	1	2	2	39	.07	.06	9	16	.20	25	.15	3	1.20	.01	.05	1	1
AL 10E 5+005-B	1	11	11	103	.2	11	2	179	3.53	6	5	ND	11	7	1	2	2	50	.10	.21	14	22	.39	38	.18	3	3.59	.01	.08	1	1
AL 12E 3+00H-B	1	4	6	7	.1	2	1	30	.93	2	5	ND	2	5	1	2	2	18	.07	.02	4	6	.05	7	.06	3	.60	.01	.01	1	5
AL 12E 2+90H-B	1	4	4	7	.1	3	1	37	.94	2	5	ND	3	4	1	2	2	28	.06	.01	6	8	.07	7	.08	2	.28	.01	.02	1	2
AL 12E 2+80H-B	1	5	8	9	.1	3	1	38	1.04	2	5	ND	3	5	1	3	2	19	.08	.02	5	9	.08	11	.08	2	1.04	.01	.02	1	4
AL 12E 2+70H-B	1	21	6	16	.1	8	2	78	1.78	2	5	ND	5	4	1	2	5	36	.07	.03	7	18	.14	18	.09	4	1.47	.01	.03	1	22
AL 12E 2+60H-B	1	10	6	10	.1	6	2	50	1.07	2	5	ND	3	5	1	2	2	19	.08	.02	6	11	.11	18	.07	2	1.07	.01	.03	1	2
AL 12E 2+50H-B	1	5	7	14	.1	6	1	51	2.05	2	5	ND	4	4	1	2	2	38	.05	.02	4	15	.12	14	.12	2	.99	.01	.04	1	1
AL 12E 2+40H-B	1	7	8	19	.1	10	2	79	1.77	2	5	ND	5	7	1	2	2	29	.09	.02	7	21	.23	33	.09	3	1.45	.01	.05	1	13
STB C/FA-RU	20	59	40	133	7.0	70	28	1163	3.99	39	18	8	39	49	18	17	20	63	.48	.14	39	60	.88	177	.08	40	1.72	.06	.11	12	50

NORTHERN DYNASTY FILL # BS-2202

1/1/51

SAMPLE#	Mo	Cu	Pb	Zn	Aq	Mn	Co	Ni	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	Ag	PPM	PPM
AL 12E 2+30N-B	2	9	11	39	.1	13	6	1200	5.51	72	5	ND	10	12	1	2	2	67	.41	.04	31	24	.22	60	.10	6	1.02	.01	.04	1	74	
AL 12E 2+20N-B	1	12	11	76	.1	20	9	991	3.14	32	5	ND	15	12	1	2	2	43	.70	.11	59	26	.30	39	.08	5	1.03	.01	.04	1	16	
AL 12E 2+10N-A	12	12	72	52	.8	16	248	16216	20.11	397	5	ND	10	32	1	2	2	175	1.12	.18	70	65	.18	203	.05	7	.84	.01	.01	1	8	
AL 12E 2+00N-A	13	18	32	46	.8	21	45	11725	18.93	462	5	ND	6	23	1	2	2	159	.61	.27	63	99	.08	191	.04	5	.86	.01	.01	1	10	
AL 12E 1+90N-A	2	14	19	52	.3	19	30	3412	3.36	89	5	ND	1	22	1	3	2	32	.62	.21	19	34	.08	102	.01	7	.56	.01	.03	1	2	
AL 12E 1+80N-A	1	21	7	45	.4	22	3	179	1.32	19	5	ND	3	25	1	4	2	6	.71	.20	27	48	.06	64	.01	7	.53	.02	.03	1	1	
AL 12E 1+70N-A	1	21	12	33	.4	27	2	109	1.01	8	5	XB	3	30	1	2	2	4	.86	.18	26	20	.07	67	.01	7	.49	.03	.02	1	1	
AL 12E 1+60N-A	1	20	14	42	.3	30	2	82	.88	15	5	ND	3	29	1	2	2	3	.88	.19	26	22	.07	62	.01	8	.53	.02	.02	1	2	
AL 12E 1+50N-A	1	18	10	55	.3	25	2	82	.81	18	5	ND	3	31	1	2	2	4	.94	.18	22	14	.06	61	.01	12	.48	.03	.05	1	1	
AL 12E 1+40N-A	1	18	5	81	.1	27	2	60	.76	12	5	ND	2	28	1	2	2	3	.86	.17	23	19	.06	61	.01	9	.51	.04	.02	1	2	
AL 12E 1+30N-A	1	10	4	49	.1	14	1	77	.26	4	5	ND	2	17	1	2	2	3	.54	.08	20	23	.04	44	.01	11	.35	.05	.01	2	1	
AL 12E 1+20N-A	1	14	5	48	.1	12	1	42	.12	10	5	ND	2	13	1	3	3	6	.41	.04	8	12	.03	28	.01	11	.28	.03	.02	1	2	
AL 12E 1+10N-A	1	17	4	40	.1	16	1	43	.16	8	5	ND	1	12	1	2	2	7	.42	.06	19	20	.02	30	.01	6	.45	.03	.01	1	1	
AL 12E 1+00N-A	1	8	2	72	.1	9	1	62	.18	3	5	ND	1	19	1	2	2	4	.60	.06	6	3	.04	38	.01	6	.23	.02	.01	1	2	
AL 12E 0+90N-A	1	12	3	66	.1	10	1	40	.15	7	5	ND	1	18	1	2	2	6	.54	.06	12	8	.04	34	.01	4	.33	.01	.01	1	1	
AL 12E 0+80N-A	1	23	5	53	.1	13	1	45	.17	7	5	ND	3	19	1	2	2	8	.54	.07	24	8	.04	45	.01	11	.43	.02	.01	1	8	
AL 12E 0+70N-A	1	22	2	59	.1	13	2	59	.24	12	5	ND	2	17	1	2	2	12	.52	.07	20	15	.05	37	.01	4	.44	.01	.01	1	6	
AL 12E 0+60N-A	1	12	6	56	.1	15	2	40	.22	5	5	ND	4	24	1	2	2	5	.73	.09	28	7	.04	61	.01	4	.48	.01	.01	1	1	
AL 12E 0+50N-A	1	8	4	81	.1	13	2	73	.71	4	5	ND	4	32	1	2	2	3	1.12	.11	18	6	.02	58	.01	7	.34	.01	.02	1	1	
AL 12E 0+30N-A	1	9	5	75	.1	11	1	72	.26	4	5	ND	3	26	1	2	2	4	.84	.10	13	6	.02	56	.01	7	.30	.01	.01	1	2	
AL 12E 0+30N-B	1	6	5	15	.1	8	1	34	.83	3	5	ND	3	4	1	2	2	28	.09	.02	4	29	.06	7	.10	3	.37	.01	.01	1	2	
AL 12E 0+20N-A	1	3	2	71	.1	4	1	59	.30	3	5	ND	1	27	1	2	2	2	1.00	.06	2	4	.06	41	.01	5	.29	.01	.01	1	1	
AL 12E 0+10N-A	1	16	6	79	.1	15	2	181	1.09	8	5	ND	6	35	1	2	2	6	1.79	.13	42	17	.04	69	.02	12	.41	.01	.01	1	1	
AL 12E 0+00N-A	1	19	4	12	.1	15	1	79	.31	5	5	ND	8	33	1	2	2	9	1.28	.09	56	12	.06	62	.01	5	.47	.01	.01	1	1	
AL 12E 0+20S-A	1	17	14	23	.1	19	2	152	.45	4	5	ND	1	33	1	2	2	4	.93	.14	18	10	.08	61	.01	7	.48	.02	.01	1	1	
AL 12E 0+40S-A	1	33	13	8	.3	25	2	52	.54	18	5	ND	6	25	1	2	2	6	.59	.15	55	20	.04	68	.02	3	1.03	.01	.01	1	2	
AL 12E 0+60S-A	1	21	9	11	.2	14	2	57	.60	8	5	XB	3	14	1	2	2	9	.28	.09	18	18	.05	33	.03	3	.53	.01	.03	1	1	
AL 12E 0+80S-A	1	15	10	13	.1	20	2	77	1.17	5	5	ND	3	36	1	2	2	3	1.04	.11	27	8	.02	69	.01	10	.57	.05	.01	1	1	
AL 12E 0+90S-B	1	8	5	15	.1	45	5	55	.75	2	5	XB	1	4	1	2	2	20	.07	.03	2	286	.62	25	.05	2	.58	.01	.02	1	1	
AL 12E 1+00S-A	1	47	5	12	.1	50	3	32	.49	4	5	XB	1	18	1	2	2	5	.25	.08	16	85	.10	58	.01	4	.61	.01	.01	1	24	
AL 12E 1+20S-A	1	46	20	25	.4	35	2	99	.97	3	5	XB	3	21	1	2	2	8	.41	.09	33	33	.14	66	.03	4	.79	.01	.06	1	38	
AL 12E 1+40S-A	1	34	15	12	.7	26	1	62	.82	2	5	XB	5	23	1	2	2	4	.54	.16	42	17	.04	59	.02	5	1.08	.01	.01	1	8	
AL 12E 1+60S-A	1	53	16	11	1.2	57	3	61	.76	3	5	ND	3	24	1	2	2	4	.37	.24	43	48	.05	64	.02	5	1.51	.01	.01	1	14	
AL 12E 1+70S-B	1	8	2	13	.1	24	3	67	.78	5	5	ND	1	4	1	2	2	30	.09	.03	2	103	.38	29	.05	2	.51	.01	.04	1	1	
AL 12E 1+80S-A	1	35	18	23	.4	32	2	95	1.13	3	5	ND	3	24	1	2	2	12	.61	.15	23	29	.15	65	.04	4	1.03	.01	.04	1	1	
AL 12E 2+00S-A	1	22	8	16	.1	17	1	55	.51	2	5	ND	1	27	1	2	2	5	.86	.09	23	14	.02	63	.02	5	.57	.01	.01	1	2	
STD C/FA-AU	22	59	40	137	7.2	70	27	1184	3.95	40	18	7	36	53	16	15	21	60	.48	.14	38	58	.88	179	.08	41	1.72	.06	.09	12	51	

NORTHERN DYNASTY FILE # 85-2203

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Hg	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hf	Ba	Ti	B	Al	Mo	K	N	Au**
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	PPH	PPH
AL 12E 2+10S-B	1	38	7	8	.1	33	2	40	.84	2	5	ND	1	8	1	2	3	10	.10	.05	4	280	.25	46	.02	2	.64	.01	.02	1	2
AL 12E 2+20S-B	1	5	5	10	.1	5	1	46	.55	2	5	ND	1	9	1	2	2	12	.14	.02	4	15	.08	24	.07	2	.33	.01	.02	1	5
AL 12E 2+30S-A	1	27	18	12	.1	7	1	26	.75	3	5	ND	1	22	1	2	2	8	.17	.09	22	14	.06	53	.03	2	.97	.01	.02	1	1
AL 12E 2+40S-A	1	82	29	10	.1	29	3	15	1.04	3	5	ND	5	54	1	2	2	4	.35	.10	71	12	.03	138	.01	4	1.71	.03	.01	1	1
AL 12E 2+50S-B	1	15	13	49	.1	16	4	169	3.03	6	5	ND	6	8	1	2	2	56	.09	.03	4	33	.37	34	.20	4	1.45	.02	.04	1	4
AL 12E 2+60S-B	1	14	11	38	.1	12	4	204	2.21	6	5	ND	10	9	1	2	2	36	.17	.07	6	23	.38	21	.15	3	.84	.02	.07	1	1
AL 12E 2+70S-B	1	18	15	41	.1	15	4	214	3.12	8	5	ND	5	8	1	2	2	39	.10	.07	2	25	.49	34	.22	2	1.34	.02	.08	1	1
AL 12E 2+80S-B	1	14	15	69	.2	11	4	164	2.76	6	5	ND	7	6	1	2	2	43	.09	.08	3	23	.38	35	.18	5	1.83	.02	.06	1	1
AL 12E 2+90S-B	2	23	23	64	.3	15	4	180	3.89	6	5	ND	10	6	1	6	2	61	.08	.12	7	36	.44	28	.23	3	2.64	.01	.05	1	2
AL 12E 3+00S-B	1	15	10	38	.2	10	3	132	2.29	4	5	ND	5	7	1	2	2	45	.08	.04	4	20	.33	24	.18	2	1.06	.01	.05	1	1
AL 12E 3+20S-B	1	11	17	77	.1	10	4	195	2.43	2	5	ND	7	7	1	2	2	39	.10	.09	7	23	.45	39	.20	2	1.17	.01	.04	1	1
AL 12E 3+40S-B	1	19	18	57	.1	16	5	161	3.77	8	5	ND	13	7	1	2	2	53	.09	.07	7	37	.40	28	.20	2	2.17	.01	.04	1	26
AL 12E 3+60S-B	1	18	23	60	.1	13	4	178	2.77	9	5	ND	9	8	1	2	2	42	.12	.16	11	22	.33	32	.18	2	1.72	.01	.04	1	80
AL 12E 3+80S-B	1	9	6	28	.1	10	2	71	2.00	17	5	ND	4	5	1	2	2	41	.06	.03	3	23	.18	17	.15	2	.87	.01	.02	1	15
AL 12E 3+90S-B	3	40	18	44	.3	8	3	111	6.26	6295	5	ND	7	7	1	2	2	101	.13	.14	6	11	.27	55	.06	3	2.85	.01	.03	8	S85
AL 12E 4+00S-B	1	69	41	27	.1	22	3	87	2.07	335	5	ND	6	8	1	2	2	31	.11	.11	18	33	.25	82	.07	2	1.59	.01	.01	1	60
AL 12E 4+10S-B	1	13	13	47	.1	8	3	171	2.25	11	5	ND	2	5	1	2	2	76	.19	.03	5	23	.23	29	.09	2	1.20	.02	.02	1	10
AL 12E 4+20S-B	1	W	14	51	.1	7	2	136	2.44	21	5	ND	8	7	1	2	2	40	.09	.11	6	17	.31	28	.19	2	1.24	.01	.05	1	15
AL 12E 4+30S-B	1	18	24	117	.3	40	6	212	3.94	7	5	ND	8	7	1	2	2	54	.08	.51	6	88	.48	35	.16	2	2.78	.01	.04	1	1
AL 12E 4+40S-B	1	17	16	53	.1	11	3	99	2.18	17	5	ND	4	6	1	2	2	36	.09	.10	6	17	.19	23	.10	2	1.00	.01	.02	1	3
AL 12E 4+50S-B	1	24	12	96	.1	19	6	247	2.35	5	5	ND	8	10	1	2	2	38	.15	.06	13	30	.62	41	.20	2	1.63	.01	.07	1	20
AL 12E 4+60S-B	1	21		39	.1	15	4	130	2.07	7	5	ND	4	7	1	2	2	34	.11	.07	9	30	.36	26	.13	6	1.12	.02	.03	1	40
AL 12E 4+70S-B	1	5		23	.1	5	2	80	1.04	2	5	ND	4	7	1	2	2	23	.09	.02	5	12	.18	26	.15	2	.17	.01	.03	1	15
AL 12E 4+80S-B	2	16	.7	58	.1	16	3	159	2.89	9	5	ND	8	9	1	3	2	61	.10	.09	9	24	.35	34	.23	3	1.45	.01	.04	1	9
AL 12E 4+90S-B	1	18	9	38	.1	16	3	101	2.32	7	5	ND	6	7	1	2	2	41	.09	.06	6	32	.25	23	.14	2	1.20	.02	.03	1	12
AL 12E 5+00S-B	1	23	13	59	.1	22	6	185	3.31	12	5	ND	6	8	1	2	3	63	.12	.10	4	41	.57	31	.21	3	1.49	.03	.06	1	13
AL 12E 5+10S-B	1	13	3	33	.1	14	3	118	1.91	11	5	ND	4	6	1	2	4	42	.09	.04	3	28	.27	20	.16	2	.82	.01	.02	1	4
AL 14E 2+10M-B	1	28	16	236	1.9	39	9	205	3.94	10	5	ND	3	6	1	2	2	75	.14	.05	3	123	.50	31	.20	4	1.77	.03	.04	1	1
AL 14E 2+60M-B	1	8	7	47	.1	15	3	108	2.43	2	5	ND	5	6	1	2	2	61	.07	.02	2	39	.28	15	.19	4	.61	.03	.04	2	1
AL 14E 1+90M-B	1	53	8	78	.1	91	17	174	3.80	8	5	ND	1	3	1	2	3	104	.13	.02	2	254	.78	21	.21	2	1.48	.02	.04	1	1
AL 14E 1+50M-A	1	5	2	79	.1	5	1	30	.32	3	5	ND	1	23	1	2	2	3	1.24	.04	2	8	.05	50	.01	33	.21	.22	.01	1	1
AL 14E 1+50M-A	1	4	2	75	.1	5	1	28	.50	3	5	ND	1	22	1	2	2	1	1.14	.05	2	8	.04	62	.01	4	.14	.13	.02	1	1
AL 14E 1+60M-B	1	8	2	41	.1	23	4	137	1.19	4	5	ND	6	7	1	2	2	18	.12	.02	7	34	.17	15	.09	2	1.12	.02	.01	1	1
AL 14E 1+30M-B	1	10	6	15	.1	4	1	43	1.35	3	5	ND	3	6	1	2	2	27	.06	.03	7	22	.10	9	.10	2	1.59	.02	.01	1	1
AL 14E 1+20M-B	1	9	8	21	.1	6	1	55	1.04	2	5	ND	2	7	1	2	2	25	.07	.02	7	23	.15	12	.13	2	.93	.02	.01	1	1
AL 14E 1+10M-A	1	34	6	40	.3	10	1	48	.58	2	5	ND	2	24	1	2	2	4	.82	.11	41	21	.04	54	.02	3	.60	.04	.01	1	22
STD C/FA-MD	22	61	39	161	7.2	67	28	1202	3.96	39	17	8	39	54	17	15	21	58	.48	.15	36	59	.88	184	.08	40	1.72	.06	.10	12	49

NORTHERN DYNASTY FILE # 85-2203

PAGE 10

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au+M
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	PPH	PPH
AL 14E 1+00W-A	1	144	44	110	6.5	41	20	1856	3.19	4	5	ND	10	29	2	2	2	42	1.39	.31	121	57	.07	95	.03	6	2.78	.01	.01	1	1
AL 14E 0+90W-B	1	25	21	40	.6	14	3	110	1.81	2	5	ND	6	6	1	2	2	38	.18	.02	21	32	.23	19	.12	3	1.33	.02	.01	1	1
AL 14E 0+80W-B	1	143	72	199	2.2	73	34	291	6.54	98	5	ND	2	4	1	10	2	225	.18	.04	6	167	1.10	40	.30	4	6.47	.01	.11	1	2
AL 14E 0+70W-B	1	15	14	25	.1	43	5	74	2.01	8	5	ND	6	4	1	2	2	39	.08	.01	7	96	.20	10	.11	2	1.12	.01	.02	1	1
AL 14E 0+60W-B	1	13	10	21	.1	8	2	58	1.33	2	5	ND	5	4	1	2	2	34	.08	.02	8	28	.16	10	.11	5	1.88	.05	.01	1	1
AL 14E 0+50W-B	1	10	11	24	.4	6	2	56	1.41	2	5	ND	6	6	1	2	1	29	.08	.03	11	27	.16	13	.11	3	2.25	.03	.01	2	1
AL 14E 0+40W-A	1	18	13	28	.1	7	1	45	.81	2	5	ND	1	13	1	2	2	11	.10	.05	14	20	.10	38	.04	2	.88	.01	.02	1	1
AL 14E 0+40W-B	2	8	9	19	.1	5	1	34	.62	2	5	ND	2	5	1	2	1	16	.06	.02	6	16	.07	11	.09	2	.49	.01	.01	1	2
AL 14E 0+30W-A	1	108	38	40	.2	11	2	16	1.52	2	5	ND	3	15	1	2	2	8	.17	.11	31	24	.03	52	.02	11	1.97	.07	.01	1	1
AL 14E 0+10W-A	1	54	13	51	1.3	9	1	25	.09	2	5	ND	2	9	1	2	2	18	.19	.09	15	15	.02	29	.03	12	.99	.10	.02	1	1
AL 14E 0+00W-A	1	33	9	35	.6	12	1	39	.24	2	5	ND	1	19	1	2	2	7	.33	.10	21	18	.03	43	.03	4	.95	.01	.01	1	1
AL 14E 0+10S-A	1	45	30	43	.1	11	1	40	1.40	2	5	ND	5	31	1	2	2	9	.39	.09	41	19	.04	71	.04	3	1.06	.01	.02	2	4
AL 14E 0+20S-A	1	26	23	75	.7	6	2	62	.84	2	5	ND	1	36	1	2	2	9	.36	.09	19	10	.04	103	.02	3	.98	.01	.03	1	1
AL 14E 0+20S-B	1	15	19	44	.1	9	3	97	3.09	3	5	ND	7	7	1	2	2	54	.09	.04	11	27	.24	18	.17	4	2.37	.01	.03	1	5
AL 14E 0+30S-A	1	24	18	53	.5	6	2	19	.83	2	5	ND	4	23	1	2	2	6	.21	.18	48	10	.05	70	.01	2	1.15	.01	.04	1	1
AL 14E 0+30S-B	1	11	16	27	.1	10	3	80	1.23	2	5	ND	5	5	1	2	2	30	.09	.02	12	20	.24	15	.12	2	.42	.01	.01	1	1
AL 14E 0+40S-A	1	22	18	39	.3	5	4	20	1.09	2	5	ND	4	23	1	2	2	7	.19	.11	41	10	.04	61	.02	2	1.33	.01	.03	1	1
AL 14E 0+40S-B	1	10	14	37	.2	10	3	123	1.43	2	5	ND	5	6	1	2	2	32	.09	.02	8	19	.35	14	.17	2	1.03	.01	.03	2	2
AL 14E 0+50S-A	1	37	11	75	.2	12	1	34	.80	2	5	ND	4	18	1	2	2	6	.24	.09	33	22	.04	53	.02	3	1.15	.01	.02	1	1
AL 14E 0+60S-A	1	14	8	50	.2	11	1	16	.32	2	5	ND	1	13	1	2	2	4	.17	.09	17	13	.03	30	.03	3	.94	.01	.01	1	1
AL 14E 0+60S-B	1	6	12	20	.2	6	1	38	.66	2	5	ND	7	7	1	2	2	17	.08	.03	9	24	.10	15	.11	2	.48	.01	.04	2	2
AL 14E 0+70S-A	1	15	7	50	.3	21	1	33	.61	2	5	ND	2	25	1	2	2	3	.38	.13	13	10	.05	60	.01	5	.62	.01	.01	1	1
AL 14E 0+80S-A	1	23	5	65	.1	44	2	35	1.01	2	5	ND	4	33	1	2	2	3	.56	.08	31	8	.05	91	.01	7	.79	.02	.01	1	1
AL 14E 0+90S-A	1	14	8	85	.4	57	3	89	.79	2	5	ND	1	33	1	2	2	4	.69	.07	11	8	.06	89	.01	5	.52	.01	.01	1	1
AL 14E 1+20S-A	1	117	42	34	.6	85	3	19	2.10	2	5	ND	12	18	1	2	2	7	.22	.23	104	96	.03	89	.02	5	3.99	.01	.01	1	1
AL 14E 1+20S-B	1	7	11	39	.1	13	3	125	1.62	7	5	ND	5	7	1	2	2	41	.09	.02	4	19	.32	21	.19	2	.76	.01	.05	2	1
AL 14E 1+40S-B	1	11	20	21	.1	59	4	42	.96	6	5	ND	1	3	1	2	2	27	.05	.03	3	285	.63	27	.10	2	.77	.01	.01	1	2
AL 14E 1+50S-B	1	15	18	32	.1	8	1	57	1.64	9	5	ND	4	5	1	2	2	25	.05	.02	5	34	.20	20	.08	2	1.20	.01	.02	2	1
AL 14E 1+60S-B	1	15	12	32	.1	29	3	93	2.17	6	5	ND	6	5	1	2	2	42	.07	.03	4	70	.27	20	.13	2	1.02	.01	.05	1	1
AL 14E 1+70S-B	1	33	14	34	.1	96	6	48	4.46	26	5	ND	3	2	1	4	3	59	.04	.05	3	604	.81	24	.14	3	2.90	.01	.02	1	3
AL 14E 1+80S-B	2	21	22	43	.1	33	3	67	4.82	5	5	ND	7	4	1	2	2	60	.04	.05	5	161	.32	24	.14	4	1.80	.01	.03	3	1
AL 14E 1+90S-B	1	4	8	25	.1	7	2	63	.93	4	5	ND	5	5	1	2	2	23	.08	.01	3	19	.16	15	.14	2	.44	.01	.06	1	1
AL 14E 2+00S-B	1	13	10	26	.1	83	6	34	3.16	4	5	ND	3	2	1	5	3	62	.03	.03	2	548	1.08	13	.13	2	1.45	.01	.02	1	3
AL 14E 2+10S-B	1	10	7	17	.1	37	2	44	.90	2	5	ND	3	3	1	2	2	25	.05	.01	5	153	.32	16	.08	2	.70	.01	.02	3	3
AL 14E 2+10S-C	1	4	4	17	.1	20	2	57	.38	2	5	ND	1	2	1	2	2	9	.06	.01	2	72	.19	17	.04	2	.29	.01	.01	1	3
STD C/FA-AU	21	61	39	134	7.2	68	20	1111	3.99	41	17	8	39	55	17	15	20	57	.48	.15	38	60	.88	187	.08	39	1.72	.07	.11	11	51

NORTHERN DYNASTY FILE # 85-2203

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe %	As PPM	U PPM	Au PPM	Hg PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hq %	Ba PPM	Ti %	B PPM	Al %	Ka %	K %	M PPM	W PPM	Other PPM
AL 14E 2+205-B	1	9	8	73	.2	22	2	184	2.20	5	5	ND	7	6	1	2	2	56	.11	.04	2	44	.47	22	.27	2	1.12	.01	.07	1	1	
AL 14E 2+305-B	1	3	5	23	.1	3	1	58	.72	4	5	ND	4	6	1	2	2	19	.08	.01	5	6	.09	17	.11	2	.34	.01	.03	1	2	
AL 14E 2+405-B	1	6	11	48	.1	10	2	136	1.60	3	5	ND	6	6	1	2	2	44	.08	.02	4	23	.29	21	.20	2	.83	.01	.04	5	1	
AL 14E 2+505-B	1	6	11	42	.3	10	2	147	1.42	4	5	ND	5	7	1	2	2	35	.10	.03	4	21	.32	26	.19	2	.88	.01	.06	1	10	
AL 14E 2+605-B	1	4	9	24	.1	9	1	77	.88	2	5	ND	5	6	1	2	3	24	.09	.01	7	23	.21	19	.10	2	.56	.01	.03	1	4	
AL 14E 2+705-B	1	19	11	44	.1	20	3	109	1.48	7	5	ND	4	6	1	2	2	37	.08	.02	7	31	.28	26	.13	2	1.02	.01	.04	1	1	
AL 14E 2+805-B	1	7	6	11	.1	23	1	40	.43	8	5	ND	1	3	1	2	2	13	.04	.01	4	51	.14	22	.05	2	.48	.01	.01	1	3	
AL 14E 2+905-B	1	6	10	11	.1	10	1	28	.44	44	5	ND	3	3	1	2	3	16	.05	.01	7	40	.15	23	.06	2	.56	.01	.01	1	1	
AL 14E 3+005-B	1	5	7	11	.1	15	1	35	.37	10	5	ND	1	3	1	2	2	12	.05	.01	5	25	.11	14	.05	2	.39	.01	.01	1	9	
AL 14E 3+105-B	1	23	10	21	.1	151	9	121	1.74	55	5	ND	1	3	1	2	2	34	.13	.01	2	374	.83	23	.12	2	1.26	.01	.02	2	1	
AL 14E 3+205-B	2	42	17	64	.2	151	16	135	4.25	53	5	ND	5	2	1	2	2	103	.05	.03	2	357	.60	24	.20	2	3.05	.01	.02	1	5	
AL 14E 3+305-B	1	21	15	32	.3	158	11	108	3.40	9	5	ND	3	3	1	2	2	56	.07	.02	2	257	1.18	14	.14	2	1.93	.01	.02	1	1	
AL 14E 3+405-B	1	3	4	32	.1	12	2	99	.88	7	5	ND	4	5	1	2	2	22	.10	.01	4	25	.28	37	.14	2	.52	.01	.08	1	3	
AL 14E 3+505-B	1	27	27	94	.1	278	21	351	4.77	7706	5	ND	4	3	1	2	21	80	.05	.04	2	544	1.48	43	.13	2	2.49	.01	.03	6	450	
AL 14E 3+605-B	1	18	13	61	.1	54	5	144	2.72	323	5	ND	6	4	1	2	2	60	.08	.03	2	113	.59	20	.21	2	1.22	.01	.06	1	2	
AL 14E 3+705-B	1	35	17	45	.1	199	14	153	3.34	439	5	ND	5	4	1	2	5	89	.09	.02	2	445	1.23	12	.25	2	1.87	.01	.02	2	1	
AL 14E 3+805-B	1	14	18	37	.2	26	2	79	1.32	88	5	ND	6	7	1	2	2	29	.10	.03	9	81	.29	32	.11	2	.93	.01	.04	1	3	
AL 14E 3+905-B	1	23	22	34	.3	16	2	133	2.26	812	5	ND	5	7	1	3	2	54	.21	.04	7	16	.61	67	.04	2	1.28	.02	.04	6	260	
AL 14E 4+005-B	1	17	5	81	.2	18	3	141	2.17	58	5	ND	1	3	1	2	2	131	.17	.02	3	43	.22	76	.08	2	1.44	.01	.02	1	3	
AL 14E 4+105-B	1	38	12	23	.1	7	2	69	1.58	6	5	ND	2	3	1	2	4	54	.12	.03	6	25	.29	21	.03	2	1.55	.01	.01	1	2	
AL 14E 4+205-B	1	16	12	28	.1	24	3	91	1.15	25	5	ND	3	5	1	2	2	43	.09	.02	8	38	.36	32	.05	2	1.06	.01	.02	1	10	
AL 14E 4+305-B	1	48	18	35	.1	11	2	78	.87	2	5	ND	2	4	1	2	2	38	.14	.03	8	24	.12	52	.04	2	1.37	.01	.01	1	4	
AL 14E 4+405-B	1	71	25	30	.1	28	3	54	1.05	10	5	ND	4	5	1	2	2	24	.10	.16	15	41	.10	76	.04	2	1.51	.01	.02	1	1	
AL 14E 4+505-B	1	98	7	66	.1	42	17	526	2.79	7	5	ND	1	8	1	2	3	133	.52	.03	5	128	1.00	21	.17	2	2.73	.11	.01	1	3	
AL 14E 4+605-B	1	99	13	101	.1	177	34	347	4.15	136	5	ND	2	4	1	2	7	52	.22	.02	5	1190	2.66	27	.19	2	3.96	.01	.01	1	2	
AL 14E 4+705-B	1	15	11	88	.1	28	7	342	1.63	19	5	ND	5	7	1	2	2	39	.16	.02	4	53	.49	37	.15	2	1.17	.01	.05	1	1	
AL 14E 4+805-B	1	19	17	94	.2	49	13	851	2.70	149	5	ND	10	9	1	2	2	47	.34	.03	12	39	.38	74	.15	3	2.22	.01	.05	1	1	
AL 14E 4+905-B	1	24	14	109	.4	34	8	382	2.81	120	5	ND	6	9	1	4	4	56	.22	.03	10	54	.59	48	.18	3	1.87	.02	.09	1	2	
AL 14E 5+005-B	1	113	33	132	.3	139	46	2598	3.74	844	5	ND	17	14	1	2	2	45	.82	.10	48	66	.42	80	.12	4	5.49	.01	.07	1	5	
AL 16+25E 8+008-B	1	15	96	66	1.1	16	3	8042	38.92	1814	5	ND	57	22	1	2	2	60	1.06	.01	379	17	.06	197	.01	24	.88	.01	.01	1	2	
AL 22E 3+008-A	1	6	7	22	.2	3	1	102	.62	18	5	ND	2	17	1	2	3	6	.48	.03	8	4	.06	20	.02	3	.18	.01	.02	1	1	
AL 22E 3+008-B	1	2	6	15	.1	1	1	108	1.06	7	5	ND	4	9	1	2	2	26	.15	.01	9	14	.19	12	.08	2	.44	.01	.03	1	1	
AL 22E 2+908-A	1	19	10	41	.1	6	1	15	.39	4	5	ND	2	66	1	2	2	3	2.22	.08	13	4	.21	59	.01	11	.47	.03	.01	1	1	
AL 22E 2+908-B	1	4	4	12	.1	4	1	47	.55	2	5	ND	4	6	1	2	2	10	.15	.01	9	8	.11	9	.02	2	.32	.01	.01	1	1	
AL 22E 2+808-A	1	12	3	37	.2	4	1	13	.36	2	5	ND	1	55	1	2	2	3	1.55	.07	8	4	.15	32	.01	6	.40	.03	.01	1	1	
AL 22E 2+808-B	1	2	2	12	.1	3	1	54	.58	2	5	ND	7	7	1	2	2	12	.14	.01	12	8	.12	9	.06	2	.30	.01	.03	1	2	
STD C/F/A-AJ	21	59	49	137	7.2	66	27	1176	3.98	38	17	8	56	51	17	15	21	60	.48	.14	37	59	.88	176	.07	39	1.72	.06	.10	12	51	

85-2202

NORTHERN DYNASTY FILE # 85-2202

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Mg	Th	Sr	Cd	Sb	Bi	V	Ca	P	Li	Cr	Mg	Ba	Ti	S	Al	Na	K	#	ACT#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
AL 22E 2+20H-B	1	4	5	19	.1	4	2	91	.81	8	5	ND	6	9	1	2	2	14	.27	.01	9	13	.17	15	.07	2	.12	.01	.03	2	1
AL 22E 2+40H-A	1	39	4	40	.2	10	1	295	.46	7	5	ND	3	105	1	2	2	7	6.06	.11	40	6	.27	104	.01	9	.58	.02	.03	2	1
AL 22E 2+50H-A	1	40	11	37	.3	15	3	206	1.40	6	5	ND	5	43	1	2	2	21	2.94	.10	26	25	.38	92	.04	8	1.48	.03	.09	1	1
AL 22E 2+50H-B	1	17	3	32	.2	14	3	219	1.33	5	5	ND	7	26	1	7	2	24	.96	.04	19	26	.37	41	.08	4	.89	.02	.08	1	1
AL 22E 2+40H-B	1	7	15	27	.1	9	3	96	1.78	3	5	ND	8	11	1	4	2	31	.27	.02	7	18	.22	25	.11	2	2.39	.01	.05	1	1
AL 22E 2+30H-B	1	10	11	25	.1	7	2	96	1.43	6	5	ND	5	6	1	6	2	30	.09	.02	4	17	.21	15	.10	7	1.56	.01	.06	1	2
AL 22E 2+20H-A	1	8	8	33	.1	3	1	12	.20	2	5	ND	2	29	1	2	2	3	.14	.04	4	9	.03	55	.01	2	.52	.01	.02	1	1
AL 22E 2+10H-A	2	676	18	47	.1	33	3	230	1.27	18	7	ND	1	95	1	2	2	25	5.13	.10	1554	31	.38	127	.02	14	1.48	.05	.09	2	4
AL 22E 2+10H-B	1	12	9	24	.1	4	1	19	.67	2	5	ND	3	9	1	2	2	15	.14	.07	18	12	.17	18	.09	2	.60	.02	.03	1	1
AL 22E 2+00H-A	1	8	5	90	.2	4	1	56	.18	3	5	ND	2	77	1	2	2	2	1.11	.07	21	4	.06	75	.01	2	.24	.02	.01	1	1
AL 22E 1+90H-A	1	8	2	51	.2	4	2	31	.33	4	5	ND	1	67	1	2	2	3	1.88	.07	10	2	.06	91	.01	4	.32	.01	.01	1	4
AL 22E 1+80H-A	1	18	3	48	.1	6	2	65	.69	3	5	ND	5	81	1	2	2	3	1.97	.16	31	7	.12	125	.01	6	.57	.02	.01	1	12
AL 22E 1+70H-A	1	10	11	34	.1	8	2	97	1.73	9	5	ND	4	12	1	2	2	41	.14	.02	6	23	.27	19	.11	3	1.04	.01	.06	1	5
AL 22E 1+60H-A	1	31	19	61	.4	19	6	245	2.16	7	10	ND	14	62	1	2	2	23	3.29	.11	111	23	.44	117	.05	8	2.06	.01	.11	1	1
AL 22E 1+40H-A	1	8	13	74	.1	5	2	148	.40	6	5	ND	1	28	1	2	2	4	.67	.09	9	6	.06	62	.01	4	.44	.02	.04	1	12
AL 22E 1+30H-A	1	39	10	46	.4	14	4	137	1.24	4	5	ND	5	66	1	2	2	14	2.99	.10	28	15	.30	96	.03	8	.99	.04	.07	1	1
AL 22E 1+30H-B	1	10	8	56	.1	13	5	215	2.16	2	5	ND	6	18	1	2	2	33	.60	.05	11	23	.43	48	.11	3	1.00	.02	.14	1	1
AL 22E 1+20H-A	1	31	9	54	.5	20	5	130	1.81	5	5	ND	8	55	1	2	2	27	3.21	.11	65	26	.48	118	.04	10	1.97	.04	.13	1	1
AL 22E 1+10H-B	1	3	6	17	.1	5	1	58	.72	3	5	ND	3	7	1	3	2	13	.15	.02	5	11	.14	14	.07	2	.40	.01	.02	2	7
AL 22E 1+00H-B	1	4	5	16	.1	5	1	60	.63	4	5	ND	2	7	1	2	2	12	.10	.02	5	11	.14	13	.06	2	.43	.01	.04	1	1
AL 22E 0+90H-B	1	6	8	23	.1	8	1	86	1.27	4	5	ND	5	8	1	2	2	33	.10	.02	6	20	.19	18	.13	2	.62	.01	.05	1	18
AL 22E 0+80H-B	1	5	3	16	.1	5	1	58	.73	3	5	ND	3	6	1	2	2	12	.13	.05	6	11	.13	13	.05	2	.56	.01	.02	1	1
AL 22E 0+70H-B	1	13	17	42	.1	18	5	145	2.56	4	5	ND	8	14	1	3	2	47	.24	.03	13	29	.39	57	.13	3	2.01	.02	.06	1	23
AL 22E 0+60H-B	1	3	6	13	.1	3	1	47	.81	3	5	ND	3	5	1	2	2	25	.07	.01	3	7	.09	10	.10	2	.50	.01	.01	1	12
AL 22E 0+50H-B	1	5	12	33	.1	16	2	125	2.00	4	5	ND	6	6	1	2	3	45	.06	.04	5	37	.33	17	.16	2	1.08	.01	.04	1	6
AL 22E 0+40H-B	1	8	5	22	.1	7	1	70	1.80	2	5	ND	4	6	1	2	2	45	.07	.03	3	14	.17	20	.13	3	.90	.01	.03	1	4
AL 22E 0+30H-B	1	4	13	24	.1	3	1	54	1.48	6	5	ND	4	6	1	2	2	38	.07	.03	6	11	.11	19	.12	2	.94	.01	.02	1	10
AL 22E 0+20H-B	1	2	4	16	.1	2	1	36	1.06	5	5	ND	4	4	1	4	2	40	.04	.03	3	9	.08	9	.13	2	.42	.01	.01	1	1
AL 22E 0+10H-B	1	19	19	83	.1	13	4	144	3.13	10	5	ND	11	6	1	2	2	40	.07	.17	4	30	.31	56	.12	2	4.40	.01	.04	1	1
AL 22E 0+00H-B	1	24	22	69	.1	13	3	309	2.97	10	5	ND	11	6	1	5	2	41	.12	.20	7	25	.32	29	.13	4	2.65	.01	.05	1	15
AL 22E 0+10S-B	1	16	19	32	.1	9	3	93	4.38	7	5	ND	11	4	1	7	4	61	.06	.12	6	35	.17	22	.14	3	4.61	.01	.02	2	2
AL 22E 0+20S-B	1	3	9	29	.1	4	1	77	1.28	5	5	ND	4	8	1	2	2	32	.08	.02	4	12	.14	24	.13	2	.77	.01	.03	1	4
AL 22E 0+30S-B	1	2	11	17	.1	4	1	64	.81	4	5	ND	5	5	1	3	2	23	.06	.01	4	10	.16	15	.15	2	.71	.01	.03	1	1
AL 22E 0+40S-B	2	6	15	32	.2	7	1	96	1.80	7	5	ND	3	7	1	2	2	68	.08	.03	3	19	.21	17	.22	2	.75	.01	.04	1	13
AL 22E 0+50S-B	1	4	12	30	.1	6	1	94	1.46	3	6	ND	5	5	1	3	2	61	.06	.02	3	13	.21	12	.20	2	.62	.01	.03	2	15
AL 22E 0+60S-A	1	19	17	58	.1	4	1	14	.83	3	5	ND	2	25	1	2	5	5	.14	.09	15	10	.03	56	.02	2	1.09	.01	.02	1	1
STD C/FA-AU	21	58	39	136	7.2	68	26	1177	3.99	37	18	8	36	51	17	15	21	59	.48	.14	37	56	.88	176	.06	40	1.72	.06	.11	12	52

NORTHERN DYNASTY FILE # 85-2203

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Hg	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Ka	V	M	Na+P	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM	
AL 22E 0+705-A	1	22	17	26	.1	7	1	19	.85	2	5	ND	1	26	1	2	3	10	.17	.06	16	16	.04	54	.02	3	1.20	.01	.03	1	1	
AL 22E 0+805-A	1	23	15	40	.1	6	1	26	.87	2	5	ND	6	30	1	2	2	6	.35	.08	53	12	.06	96	.02	3	1.29	.01	.03	1	3	
AL 22E 0+905-A	P	1	5	2	86	.1	4	1	31	.24	2	5	ND	1	71	1	2	2	3	2.73	.09	10	1	.21	67	.01	7	.28	.01	.01	1	2
AL 22E 1+805-A	P	1	2	3	91	.2	3	1	21	.10	2	5	ND	1	47	1	2	2	2	1.28	.04	2	1	.10	54	.01	4	.15	.01	.01	1	2
AL 22E 1+105-A	P	1	3	4	68	.1	2	1	18	.12	2	5	ND	1	31	1	2	2	1	.80	.06	2	1	.07	45	.01	8	.17	.01	.01	1	4
AL 22E 1+205-A	1	1	14	14	.2	2	1	29	.29	2	5	ND	4	6	1	2	2	11	.06	.01	5	7	.05	8	.09	2	.34	.01	.03	1	1	
AL 22E 1+305-A	P	1	3	4	62	.1	3	1	22	.32	2	5	ND	1	46	1	2	3	1	1.03	.05	2	2	.07	75	.01	7	.23	.02	.01	1	2
AL 22E 1+405-A	1	6	10	67	.1	12	5	268	2.96	2	5	ND	24	13	1	5	2	52	.24	.04	5	20	.67	90	.30	3	1.20	.03	.34	1	1	
AL 22E 1+505-A	1	9	15	18	.1	4	1	51	.75	2	5	ND	1	10	1	2	2	4	.10	.04	7	10	.02	31	.02	2	1.15	.01	.01	1	1	
AL 22E 1+605-B	P	1	3	6	21	.1	2	1	32	.17	3	5	ND	1	15	1	2	3	2	.20	.06	3	1	.03	39	.01	6	.34	.02	.02	1	1
AL 22E 1+705-B	1	2	12	16	.1	3	1	38	.43	2	5	ND	2	6	1	3	2	14	.06	.01	5	9	.08	8	.09	2	.53	.01	.02	1	1	
AL 22E 1+805-B	1	6	15	36	.1	9	3	110	1.88	4	5	ND	10	7	1	2	2	41	.10	.02	12	25	.26	14	.15	3	.86	.01	.04	2	20	
AL 22E 1+905-B	1	6	11	27	.2	7	2	75	1.53	4	5	ND	6	6	1	2	2	27	.09	.03	6	16	.18	14	.10	2	1.78	.01	.04	1	14	
AL 22E 2+005-B	1	10	16	20	.1	11	2	69	1.36	2	5	ND	6	6	1	2	2	21	.10	.03	9	18	.17	12	.08	4	1.50	.01	.03	1	27	
AL 22E 2+105-B	1	2	10	10	.1	4	1	44	.48	2	5	ND	4	6	1	2	2	13	.12	.03	5	8	.09	7	.08	6	.27	.01	.03	1	1	
AL 22E 2+205-A	P	1	10	11	35	.1	5	1	48	.36	2	5	ND	2	17	1	2	2	3	.22	.10	20	5	.03	44	.01	6	.45	.04	.03	1	1
AL 22E 2+305-A	1	6	11	20	.1	4	1	32	.18	2	5	ND	1	12	1	2	2	3	.17	.05	13	8	.03	24	.02	3	.36	.02	.02	1	7	
AL 22E 2+405-A	P	1	24	12	35	.3	13	1	64	.58	4	5	ND	2	23	1	2	2	5	.40	.23	75	47	.04	53	.01	6	.78	.03	.02	1	1
AL 22E 2+505-A	P	1	9	8	45	.1	9	1	86	.60	5	5	ND	1	20	1	2	2	4	.39	.10	16	17	.05	37	.01	4	.48	.03	.02	1	2
AL 22E 2+605-A	P	1	32	13	30	.5	15	2	93	.97	3	5	ND	7	36	1	2	2	29	.69	.17	56	29	.05	75	.02	9	.98	.02	.02	1	1
AL 22E 2+705-A	P	1	25	13	58	.2	16	4	301	1.57	5	5	ND	4	39	1	2	2	14	.94	.15	57	28	.08	84	.02	4	.87	.01	.01	1	1
AL 22E 2+805-A	P	2	30	11	58	.4	33	16	2219	1.97	5	5	ND	17	33	1	2	2	16	1.38	.13	142	23	.05	264	.01	12	1.09	.01	.01	1	1
AL 22E 2+905-A	P	2	56	18	42	1.0	23	6	465	2.74	26	5	ND	20	26	1	2	2	43	.89	.18	170	46	.10	157	.02	5	1.97	.01	.03	1	2
AL 22E 3+005-A	P	2	39	20	40	1.0	15	3	238	2.19	56	5	ND	24	27	1	2	2	113	1.34	.17	205	72	.07	146	.02	8	1.89	.01	.02	1	2
AL 22E 3+105-A	P	15	67	18	34	.1	124	34	8783	14.65	6203	5	ND	29	34	1	2	2	99	1.73	.09	255	100	.11	760	.02	2	1.03	.01	.02	9	1
AL 22E 3+205-A	P	3	20	16	80	.2	28	8	718	1.27	87	5	ND	4	44	1	2	2	47	1.57	.13	57	20	.06	107	.01	8	.96	.01	.01	1	1
AL 22E 3+305-A	P	2	18	11	57	.3	16	6	372	1.37	28	5	ND	3	35	1	2	2	21	1.38	.11	38	5	.06	88	.01	12	.61	.02	.01	1	1
AL 22E 3+405-A	1	3	10	17	72	.1	23	9	330	4.72	97	5	ND	5	42	1	2	2	26	1.97	.10	38	8	.09	114	.01	14	.78	.02	.01	1	1
AL 22E 4+405-A	P	1	2	8	104	.3	2	1	25	.09	3	5	ND	1	26	1	2	2	1	1.72	.04	2	1	.08	39	.01	4	.11	.01	.02	1	1
AL 22E 4+505-A	3	8	10	65	.2	5	1	43	.13	3	5	ND	1	45	1	2	2	7	5.71	.05	4	1	.11	68	.01	10	.18	.01	.01	1	1	
AL 22E 4+605-A	P	3	8	10	53	.1	5	1	54	.19	3	5	ND	1	55	1	2	2	16	6.11	.08	3	1	.12	73	.01	14	.27	.03	.02	1	1
AL 22E 4+705-A	1	27	17	35	.1	10	1	25	.55	2	5	ND	2	19	1	2	2	7	.61	.03	12	32	.09	46	.02	3	.61	.01	.03	1	1	
AL 22E 4+805-B	2	24	23	93	.1	24	7	267	4.90	8	5	ND	9	8	1	4	2	89	.13	.05	6	53	.65	31	.29	5	3.15	.01	.10	1	4	
AL 22E 4+905-B	1	4	17	39	.1	6	1	69	1.15	2	5	ND	5	12	1	2	2	24	.17	.03	7	18	.13	23	.09	3	1.53	.01	.05	1	3	
AL 22E 5+005-B	2	10	21	67	.1	19	5	247	3.10	3	5	ND	3	10	1	2	2	65	.14	.03	4	39	.63	30	.26	4	1.36	.01	.12	1	3	
AL 34E 5+00N-A	1	67	11	65	.2	21	6	1340	.88	2	5	ND	1	48	1	2	2	6	6.49	.14	6	8	.11	154	.01	14	.39	.01	.01	1	1	
STD C/FA-MU	22	60	40	133	6.9	67	27	1200	3.96	41	18	7	38	54	17	15	20	61	.48	.14	36	58	.88	183	.08	61	1.72	.06	.10	12	48	

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NORTHERN DYNASTY FILE # 85-2200

SAMPLED	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	S	Al	Na	K	M	Other	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	1	PPH	PPH
AL 36E 4+00H-A	F	3	68	13	57	.3	23	13	7746	3.08	6	5	ND	8	42	1	2	2	13	3.77	.15	38	16	.13	268	.01	7	.89	.01	.04	1	1
AL 36E 4+60H-A	F	2	44	7	78	.2	14	11	3204	1.98	7	5	ND	4	43	1	2	2	10	3.72	.13	16	12	.05	735	.01	8	.61	.01	.03	1	1
AL 36E 4+10H-A	F	1	13	10	69	.3	8	4	1082	2.29	5	5	ND	3	62	1	2	2	6	4.35	.14	3	3	.15	157	.01	10	.34	.01	.04	1	2
AL 36E 4+20H-A	P	1	20	3	90	.1	9	2	924	.42	2	5	ND	4	69	1	2	2	4	4.04	.11	6	6	.18	149	.01	11	.47	.02	.02	1	1
AL 36E 4+00H-A	F	1	21	7	64	.2	12	2	510	.68	2	5	ND	4	70	1	2	2	4	4.63	.09	6	6	.22	113	.01	6	.38	.01	.02	1	1
AL 36E 3+00H-A	F	1	23	5	85	.3	13	2	384	.34	4	5	ND	3	60	1	6	2	6	3.70	.10	4	3	.16	117	.01	9	.42	.02	.02	1	1
AL 36E 3+60H-A	F	1	38	5	75	.3	16	4	659	.55	3	5	ND	4	53	1	3	2	5	2.99	.12	18	7	.12	123	.01	5	.48	.01	.02	1	2
AL 36E 3+10H-A	P	1	34	4	55	.3	22	3	69	.82	2	5	ND	2	35	1	2	2	4	3.07	.10	6	3	.07	109	.01	4	.37	.01	.02	1	1
AL 36E 3+30H-B	1	48	13	27	.3	30	11	131	2.91	2	5	ND	4	4	1	2	2	132	.13	.03	3	48	.39	24	.17	2	1.30	.01	.04	1	1	
AL 36E 3+20H-B	1	13	6	21	.1	7	2	75	1.86	2	5	ND	5	5	1	3	2	33	.10	.01	4	16	.17	10	.11	2	.79	.01	.02	2	1	
AL 36E 3+10H-B	1	14	14	24	.1	10	1	76	2.55	2	5	ND	5	5	1	2	2	57	.08	.02	3	24	.17	18	.16	2	1.75	.01	.04	1	1	
AL 36E 3+00H-B	1	16	20	39	.1	16	4	138	2.48	2	5	ND	6	7	1	2	3	34	.13	.05	7	26	.34	36	.13	2	2.60	.01	.05	1	1	
AL 36E 2+90H-B	1	11	13	38	.1	11	2	112	2.04	2	5	ND	5	8	1	2	2	62	.08	.02	5	22	.29	20	.19	2	1.00	.01	.04	1	1	
AL 36E 2+80H-A	1	16	16	51	.2	12	3	84	.24	5	5	ND	1	51	1	5	2	5	.69	.06	6	4	.08	110	.01	2	.23	.01	.04	2	2	
AL 36E 2+70H-A	1	27	21	75	.2	20	5	85	.44	2	5	ND	1	73	1	2	2	6	.81	.08	18	3	.06	120	.01	2	.45	.01	.04	1	1	
AL 36E 2+60H-B	1	19	10	34	.2	34	4	130	3.17	3	5	ND	6	7	1	2	3	79	.09	.03	5	71	.54	23	.21	2	1.60	.01	.05	1	1	
AL 36E 2+50H-A	1	21	11	38	.1	20	7	19	.50	2	5	ND	4	69	1	2	2	5	1.57	.08	32	9	.15	101	.02	3	.66	.01	.02	1	1	
AL 36E 2+40H-A	1	14	8	34	.2	9	3	41	.60	2	5	ND	2	31	1	2	2	8	.42	.06	15	9	.10	67	.04	2	.61	.01	.04	1	2	
AL 36E 2+30H-A	P	1	4	7	80	.2	4	2	389	1.25	2	5	ND	3	46	1	2	2	19	.69	.11	7	4	.37	130	.06	2	.61	.02	.21	1	1
AL 36E 2+10H-A	P	1	3	11	66	.1	4	2	284	.98	2	5	ND	2	50	1	2	2	16	.59	.09	4	4	.31	122	.06	4	.48	.03	.19	1	1
AL 36E 1+90H-A	P	1	4	13	84	.1	3	1	295	.11	2	5	ND	1	24	1	4	2	1	.77	.06	2	3	.09	27	.01	4	.13	.04	.03	1	1
AL 36E 1+70H-A	P	1	7	7	53	.1	4	1	64	.47	2	5	ND	2	10	1	3	2	8	.18	.03	6	8	.07	21	.03	2	.51	.01	.04	1	2
AL 36E 1+70H-B	P	1	4	6	54	.2	2	1	121	.14	2	5	ND	1	23	1	3	2	2	.41	.05	2	3	.07	30	.01	14	.25	.48	.07	1	2
AL 36E 1+30H-A	P	1	9	5	20	.4	6	1	17	1.08	2	5	ND	2	18	1	2	4	5	.11	.11	9	5	.02	48	.01	5	.96	.02	.03	1	1
AL 36E 1+20H-B	1	23	22	97	.2	16	6	204	5.45	2	5	ND	13	8	1	2	2	78	.11	.12	8	48	.44	31	.18	2	2.88	.01	.08	2	1	
AL 36E 1+10H-B	1	31	17	69	.1	21	5	245	3.01	3	5	ND	18	7	1	2	3	39	.17	.15	11	38	.47	27	.12	2	1.93	.01	.07	1	1	
AL 36E 1+00H-B	1	21	18	85	.1	15	4	231	4.19	2	5	ND	11	7	1	2	3	59	.12	.14	4	35	.34	34	.17	2	2.47	.01	.06	1	1	
AL 36E 0+90H-B	1	6	8	27	.1	6	1	66	1.87	2	5	ND	5	5	1	2	2	29	.07	.05	4	20	.14	20	.10	2	1.53	.01	.03	1	1	
AL 36E 0+80H-B	1	8	11	26	.1	8	2	106	1.75	5	5	ND	5	5	1	2	3	25	.08	.05	6	20	.15	22	.10	2	1.05	.01	.03	1	2	
AL 36E 0+70H-B	1	8	14	32	.2	6	1	67	2.44	3	5	ND	6	5	1	2	2	36	.07	.10	4	22	.13	20	.12	2	1.56	.01	.03	1	2	
AL 36E 0+60H-B	1	8	10	34	.1	9	1	81	1.95	2	5	ND	5	7	1	2	2	30	.09	.10	4	27	.15	24	.10	3	1.56	.01	.03	1	1	
AL 36E 0+50H-B	1	11	15	27	.1	6	1	71	2.59	4	5	ND	8	5	1	2	2	32	.07	.12	6	28	.14	16	.10	2	2.78	.01	.02	1	1	
AL 36E 0+40H-B	1	12	9	25	.1	9	2	82	2.08	2	5	ND	8	5	1	2	2	25	.09	.09	7	23	.18	20	.09	2	2.42	.01	.03	1	1	
AL 36E 0+30H-B	1	7	17	25	.2	6	1	36	2.21	2	5	ND	7	4	1	2	2	35	.05	.06	7	22	.12	17	.11	2	2.43	.01	.02	1	2	
AL 36E 0+20H-B	1	7	9	17	.1	7	1	57	1.62	2	5	ND	5	5	1	4	2	26	.06	.03	5	20	.13	15	.10	2	1.74	.01	.02	1	1	
AL 36E 0+10H-B	1	8	11	21	.1	10	2	72	1.47	2	5	ND	4	5	1	2	2	18	.08	.04	6	21	.15	25	.07	2	1.72	.01	.03	1	1	
STD C/FA-AU	22	60	39	137	2.1	69	28	1229	3.97	38	18	8	37	54	17	15	21	59	.48	.15	38	61	.88	186	.08	39	1.73	.04	.12	12	48	

NORTHERN DYNASTY FILE # 85-2203

PLATE 15

SAMPLE#	As	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	Ni	U	Al	In	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Li	B	Al	Mo	K	W	Au**	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	PPH	PPH	
AL 34E 0+00N	1	8	4	28	.1	11	2	72	1.95	2	5	ND	7	5	1	2	2	29	.08	.04	6	21	.19	24	.09	2	1.90	.01	.03	1	1	
AL 34E 0+10S-B	P	1	10	9	25	.2	9	2	86	2.30	2	5	ND	6	8	1	2	2	37	.11	.04	10	23	.21	18	.10	2	1.25	.02	.03	1	1
AL 34E 0+20S-A	P	1	4	2	73	.2	4	3	546	1.76	2	5	ND	3	54	1	2	2	28	.74	.11	5	8	.51	147	.10	2	.68	.02	.27	1	1
AL 34E 0+40S-A	P	1	3	2	70	.2	3	2	337	1.03	2	5	ND	2	30	1	2	2	17	.56	.09	4	4	.35	111	.06	3	.47	.16	.19	1	2
AL 34E 0+60S-A	P	1	3	2	66	.1	3	1	299	1.00	2	5	ND	1	27	1	2	2	16	.49	.06	3	4	.30	91	.05	5	.43	.19	.15	1	1
AL 34E 1+00S-A	P	1	2	2	76	.1	3	2	345	1.06	2	5	ND	4	28	1	2	2	18	.47	.08	5	3	.35	120	.07	2	.49	.03	.19	1	1
AL 34E 1+00S-B	P	1	3	2	56	.2	4	2	374	1.32	2	5	ND	7	34	1	2	2	21	.47	.09	4	4	.37	120	.07	4	.55	.22	.21	1	1
AL 34E 1+20S-A	P	1	3	2	76	.1	3	2	313	1.06	2	5	ND	2	31	1	2	2	18	.48	.07	3	4	.33	102	.06	2	.48	.02	.16	1	2
AL 34E 1+40S-A	P	1	3	3	99	.1	2	1	37	.13	2	5	ND	1	11	1	2	2	2	.40	.04	2	3	.03	30	.01	2	.15	.01	.01	1	1
AL 34E 1+50S-A	P	1	3	2	79	.1	4	1	222	.79	2	5	ND	2	29	1	2	2	12	.37	.06	2	3	.22	85	.04	2	.37	.02	.11	1	1
AL 34E 1+70S-B	1	9	11	23	.2	25	2	77	2.14	34	5	ND	4	6	1	2	2	70	.08	.02	4	78	.26	17	.18	3	1.04	.01	.04	1	54	
AL 34E 1+80S-B	1	9	3	16	.1	10	2	57	1.32	3	5	ND	6	4	1	2	2	20	.09	.03	6	20	.13	12	.07	2	1.91	.03	.02	1	1	
AL 34E 1+90S-A	1	25	10	62	.1	32	3	30	.30	2	5	ND	1	51	1	2	2	5	.67	.07	10	5	.06	156	.01	4	.37	.06	.03	1	1	
AL 34E 2+00S-B	1	13	3	31	.1	27	4	110	2.13	23	5	ND	5	8	1	2	2	58	.11	.02	10	51	.33	23	.11	3	1.33	.03	.06	1	2	
AL 34E 2+10S-B	1	8	7	29	.1	9	2	80	1.92	3	5	ND	4	6	1	2	2	49	.08	.02	5	21	.21	20	.14	2	1.03	.01	.03	1	1	
AL 34E 2+20S-B	1	5	9	26	.1	7	1	67	1.17	2	5	ND	3	5	1	2	2	35	.07	.01	4	16	.17	15	.13	2	.86	.01	.03	1	1	
AL 34E 2+30S-B	1	23	9	32	.2	36	3	80	3.55	4	5	ND	6	5	1	2	2	63	.07	.06	5	43	.15	14	.17	2	1.89	.01	.03	1	1	
AL 34E 2+40S-B	1	11	6	27	.1	11	2	68	2.89	5	5	ND	3	6	1	2	2	49	.07	.02	3	34	.16	17	.14	2	1.00	.01	.02	1	1	
AL 34E 2+50S-B	1	27	25	58	.3	23	2	27	.38	2	5	ND	1	29	1	2	2	7	.31	.07	12	3	.03	97	.01	2	.29	.01	.03	1	2	
AL 34E 2+60S-A	1	17	9	36	.1	17	1	23	.35	3	5	ND	1	37	1	2	2	5	.26	.06	9	8	.05	94	.01	2	.40	.04	.02	1	1	
AL 34E 2+70S-A	1	14	6	47	.1	10	1	28	.12	2	5	ND	1	44	1	2	2	2	.39	.06	3	3	.04	40	.01	2	.16	.03	.03	1	1	
AL 34E 2+80S-B	1	10	11	24	.1	9	1	72	2.54	2	5	ND	3	7	1	2	2	44	.11	.03	4	22	.17	17	.13	4	.78	.01	.02	1	1	
AL 34E 2+90S-B	1	13	9	36	.1	19	3	87	2.69	5	5	ND	6	7	1	2	2	38	.11	.05	6	26	.18	20	.10	2	1.70	.01	.02	1	2	
AL 34E 3+00S-B	1	15	3	22	.1	14	4	73	1.29	3	5	ND	9	6	1	3	2	21	.11	.01	9	22	.18	20	.10	2	1.09	.01	.02	1	1	
AL 40E 0+00N-B	1	10	2	24	.1	6	2	100	.93	5	5	ND	3	5	1	2	2	19	.11	.01	4	9	.21	12	.11	2	.52	.01	.02	2	4	
AL 40E 3+90N-B	1	49	16	61	.1	37	8	153	2.80	2	5	ND	5	7	1	2	2	91	.17	.03	9	48	.53	59	.16	2	2.05	.01	.05	1	4	
AL 40E 3+75N-A	1	160	5	25	.1	12	26	501	2.00	2	5	ND	9	36	1	2	2	8	1.74	.15	86	13	.07	111	.01	2	1.93	.01	.01	1	6	
AL 40E 3+50N-A	1	11	3	60	.2	6	2	608	.49	3	6	ND	2	60	1	2	2	2	4.89	.10	5	3	.37	97	.01	8	.29	.01	.01	1	8	
AL 40E 3+25N-A	P	3	8	9	64	.1	4	3	3687	1.48	32	5	ND	2	53	1	2	2	10	4.08	.13	12	1	.19	110	.01	9	.34	.01	.03	1	4
AL 40E 3+00N-A	P	4	15	6	75	.2	5	3	2619	3.24	72	5	ND	7	60	1	2	2	16	4.22	.18	24	8	.16	129	.01	8	.61	.01	.01	1	4
AL 40E 2+75N-A	P	3	13	2	47	.2	7	1	314	.45	8	5	ND	2	46	1	2	2	6	3.75	.08	9	8	.15	73	.01	9	.35	.01	.01	1	1
AL 40E 2+60N-B	1	8	6	13	.2	5	1	58	1.29	2	5	ND	4	5	1	2	2	31	.09	.01	6	12	.10	13	.12	2	.75	.01	.02	1	5	
AL 40E 2+50N-B	1	3	9	17	.1	7	1	73	1.12	2	5	ND	2	4	1	2	2	29	.07	.01	3	11	.17	11	.13	2	.46	.01	.03	1	8	
AL 40E 2+40N-B	1	10	8	24	.1	8	1	74	1.96	2	5	ND	6	4	1	2	2	30	.08	.05	6	18	.15	16	.11	2	1.21	.01	.03	1	1	
AL 40E 2+30N-B	1	8	6	25	.2	6	1	74	2.10	2	5	ND	6	5	1	3	2	35	.08	.08	5	16	.18	15	.14	2	1.09	.01	.03	1	12	
AL 40E 2+20N-B	1	13	32	135	.3	8	1	604	.38	3	5	ND	1	31	1	2	2	6	.62	.11	4	3	.07	153	.01	4	.33	.01	.05	1	38	
STD C/FA-AU	21	59	39	138	7.2	70	27	1192	3.99	39	18	8	37	52	17	15	23	60	.48	.14	37	59	.88	178	.08	38	1.72	.06	.11	12	53	

NORTHERN DYNASTY FILE # 85-2203

SAMPLE#	Pb	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Er	Hg	Ba	Ti	B	Al	Na	K	M	Ag+1	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	1	1	1	1	1	PPM	PPM
AL 40E 2+10M-B	1	1	6	10	.2	1	1	18	.31	6	5	ND	1	2	1	2	3	6	.03	.01	3	4	.01	9	.02	2	.09	.01	.01	1	2	
AL 40E 2+00M-B	1	10	19	51	.1	14	3	204	2.43	12	5	ND	6	5	1	2	2	52	.12	.01	6	22	.50	22	.22	3	1.32	.01	.04	1	9	
AL 40E 1+90M-B	1	90	26	54	1.1	113	15	239	6.36	47	5	ND	7	7	1	2	2	84	.26	.02	28	53	46	68	.18	2	2.17	.01	.04	1	1	
AL 40E 1+80M-B	1	12	13	29	.2	10	2	117	1.62	9	5	ND	7	5	1	2	2	49	.06	.01	5	15	.28	14	.17	2	.76	.01	.02	1	1	
AL 40E 1+70M-B	1	9	10	68	.2	6	1	33	.20	5	5	ND	1	30	1	2	2	3	.53	.06	6	4	.08	64	.01	4	.14	.01	.03	1	24	
AL 40E 1+60M-B	1	12	12	47	.2	10	2	127	2.35	8	5	ND	6	5	1	3	2	49	.09	.03	5	18	.29	22	.18	4	1.02	.01	.05	1	2	
AL 40E 1+50M-B	1	5	5	30	.2	5	1	72	1.46	7	5	ND	4	5	1	3	2	31	.05	.02	4	13	.18	19	.13	2	.96	.01	.04	1	4	
AL 40E 1+40M-B	1	8	19	59	.1	10	1	148	3.14	14	5	ND	4	6	1	2	2	65	.06	.06	4	24	.36	26	.24	3	2.75	.01	.06	1	5	
AL 40E 1+30M-B	1	11	20	44	.1	10	1	142	2.17	8	5	ND	4	7	1	2	2	44	.06	.03	4	22	.34	25	.18	3	1.57	.01	.07	2	10	
AL 40E 1+20M-A	1	17	12	26	.4	9	1	12	.48	6	5	ND	1	36	1	2	2	5	.23	.07	8	12	.04	93	.01	2	.78	.01	.02	1	2	
AL 40E 1+10M-B	1	30	19	38	.2	49	11	411	5.13	18	5	ND	4	7	1	2	2	162	.19	.03	13	317	1.59	40	.25	4	3.96	.05	.03	1	1	
AL 40E 1+00M-B	1	93	25	65	.3	71	14	189	3.82	41	5	ND	3	3	1	3	3	127	.07	.04	6	496	1.08	37	.12	3	2.94	.01	.04	1	3	
AL 40E 0+90M-B	1	7	23	18	.2	9	1	62	.81	12	5	ND	2	2	1	2	2	43	.02	.01	3	25	.20	21	.10	2	.66	.01	.02	1	1	
AL 40E 0+85M-B	3	39	1274	170	5.8	22	1	582	9.11	2042	5	ND	3	3	1	48	6	106	.05	.07	13	64	.21	29	.14	2	1.00	.01	.11	16	125	
AL 40E 0+80M-D	1	5	99	24	.7	5	1	74	.85	97	5	ND	4	3	1	2	3	17	.03	.01	5	20	.04	10	.06	2	.28	.01	.02	1	4	
AL 40E 0+70M-B	1	8	36	40	.1	6	1	80	4.09	73	5	ND	5	5	1	4	3	171	.05	.05	2	24	.18	18	.21	2	1.04	.01	.04	1	4	
AL 40E 0+60M-B	1	4	13	19	.2	5	1	50	.92	14	5	ND	4	4	1	2	2	33	.04	.01	3	11	.13	12	.12	2	.46	.01	.02	1	6	
AL 40E 0+50M-A	1	29	28	61	.7	8	2	41	.59	8	5	ND	1	29	1	2	2	7	.20	.11	10	9	.04	101	.01	2	.78	.01	.03	1	8	
AL 40E 0+40M-A	1	37	19	37	1.3	21	4	8	.99	6	5	ND	2	33	1	2	2	4	.18	.11	22	16	.03	76	.01	2	1.21	.01	.02	1	1	
AL 40E 0+30M-A	1	47	22	27	1.7	38	2	22	1.88	18	5	ND	5	45	1	2	2	10	.85	.22	70	16	.09	117	.02	4	2.29	.01	.02	1	1	
AL 40E 0+20M-A	1	34	8	21	.3	14	1	6	.67	7	5	ND	2	37	1	2	2	3	.60	.09	32	8	.05	80	.01	3	.78	.01	.01	1	1	
AL 40E 0+10M-A P	1	8	8	60	.5	7	1	172	.74	6	5	ND	1	49	1	2	2	10	.92	.12	14	4	.22	105	.03	4	.64	.01	.09	1	20	
AL 40E 0+00M-A P	1	22	12	45	.6	16	2	106	1.33	6	5	ND	3	42	1	2	2	13	1.21	.20	37	15	.18	126	.02	7	1.42	.01	.07	1	1	
AL 40E 0+105-A P	1	9	4	72	.3	13	3	349	1.42	6	5	ND	2	42	1	2	2	20	1.04	.14	16	12	.40	150	.06	6	.97	.01	.16	1	1	
AL 40E 0+305-A P	1	8	3	78	.1	23	2	280	.84	2	5	ND	1	52	1	2	2	10	2.94	.09	5	4	.24	114	.04	6	.40	.01	.08	1	1	
AL 40E 0+605-A P	1	3	7	65	.1	4	2	412	1.34	4	5	ND	2	40	1	2	2	22	.68	.09	4	5	.43	143	.08	2	.59	.02	.18	1	1	
AL 40E 0+805-A P	1	2	7	69	.1	2	1	230	.84	2	5	ND	2	27	1	2	2	12	.61	.08	3	2	.24	88	.05	2	.35	.02	.09	1	1	
AL 40E 1+005-A P	1	2	3	68	.1	2	2	408	1.28	5	5	ND	3	29	86	2	2	22	.50	.08	3	5	.44	155	.08	3	.57	.02	.20	1	1	
AL 40E 1+205-A P	1	2	2	79	.1	3	1	260	.87	2	5	ND	2	23	1	2	2	14	.41	.07	3	4	.26	102	.05	3	.36	.02	.11	1	1	
AL 40E 1+705-A P	1	3	5	66	.1	2	1	335	1.13	3	5	ND	4	39	1	2	2	18	.55	.08	5	4	.34	133	.07	3	.52	.02	.16	1	1	
AL 40E 1+905-A P	1	3	6	48	.1	3	1	303	1.04	3	5	ND	2	28	1	2	2	16	.75	.08	5	5	.31	112	.06	4	.45	.02	.13	1	1	
AL 40E 2+105-A P	1	6	2	62	.2	5	2	409	1.30	3	5	ND	2	35	1	2	2	18	1.38	.12	12	5	.37	140	.06	6	.60	.01	.15	1	1	
AL 40E 2+305-A P	1	9	2	58	.1	5	1	375	1.13	4	5	ND	2	48	1	2	2	17	1.61	.12	14	6	.33	128	.05	6	.62	.02	.12	1	1	
AL 40E 2+505-A P	1	10	12	49	.2	6	2	599	1.17	4	5	ND	2	46	1	2	2	8	2.87	.12	19	2	.13	77	.01	7	.35	.01	.01	1	1	
AL 45E 1+50M-A P	1	4	6	78	.1	3	1	58	.17	2	5	ND	1	28	1	2	2	2	.87	.07	4	4	.08	42	.01	3	.23	.01	.01	1	1	
AL 45E 1+40M-A P	1	13	8	70	.3	5	2	159	.46	2	5	ND	2	31	1	2	2	3	.95	.12	26	7	.07	72	.01	4	.62	.01	.02	1	1	
STD C/JA-MU	20	58	60	133	7.2	69	27	1195	3.93	39	17	8	34	48	17	14	22	58	.48	.14	37	34	.87	184	.07	38	1.71	.05	.09	12	48	

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NORTHERN DYNASTY FILE # 85-2203

PAGE 17

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	Ti	B	Al	Na	K	N	As#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	1	1	1	1	PPM	PPM
AL 4SE 1+30H-A P	1	13	5	45	.2	5	1	65	.48	32	5	ND	2	19	1	2	2	4	.34	.10	19	4	.05	35	.02	3	.67	.01	.01	1	1
AL 4SE 1+20H-B	1	10	3	30	.1	8	2	120	1.11	4	5	ND	4	7	1	2	2	19	.19	.03	4	14	.28	19	.10	2	.63	.01	.03	1	1
AL 4SE 1+10H-B	1	3	7	8	.1	1	1	22	.54	4	5	ND	3	4	1	2	3	15	.05	.01	4	7	.04	9	.08	2	.48	.01	.01	1	1
AL 4SE 1+00H-A	1	7	14	60	.4	3	1	65	.29	4	5	ND	1	22	1	2	2	6	.19	.05	3	1	.05	118	.02	3	.27	.01	.02	1	1
AL 4SE 0+90H-B	1	6	8	52	.1	9	1	154	2.16	4	5	ND	4	4	1	2	2	46	.08	.06	2	18	.37	26	.18	3	1.00	.01	.04	1	2
AL 4SE 0+80H-B	1	15	11	52	.1	13	3	194	3.03	6	5	ND	9	7	1	2	2	43	.11	.07	17	25	.39	37	.18	4	3.02	.01	.05	1	3
AL 4SE 0+70H-B	1	12	8	18	.1	6	1	60	2.22	3	3	ND	6	5	1	2	2	32	.08	.05	12	23	.14	15	.09	2	2.33	.01	.01	1	1
AL 4SE 0+60H-A	1	9	8	35	.2	2	1	31	.24	2	5	ND	1	13	1	2	2	3	.10	.13	9	3	.02	46	.01	2	.79	.01	.01	1	1
AL 4SE 0+50H-A	1	5	3	25	.1	1	1	19	.21	2	5	ND	1	14	1	2	2	2	.07	.08	4	2	.01	68	.01	2	.53	.01	.01	1	1
AL 4SE 0+40H-A	1	3	2	39	.1	1	1	35	.13	2	5	ND	1	20	1	2	2	2	.13	.07	2	2	.02	55	.01	2	.36	.01	.01	1	1
AL 4SE 0+30H-A	1	3	2	42	.1	1	1	13	.13	2	5	ND	1	10	1	2	2	3	.06	.10	2	3	.01	33	.02	2	.64	.01	.01	1	1
AL 4SE 0+20H-A	1	2	2	57	.2	1	1	11	.05	2	5	ND	1	11	1	2	2	2	.05	.07	2	2	.01	40	.01	2	.41	.01	.01	1	1
AL 4SE 0+10H-A	1	4	2	33	.2	1	1	21	.23	3	5	ND	1	11	1	2	2	3	.06	.08	3	4	.02	38	.01	3	.46	.01	.01	1	2
AL 4SE 0+10S-A	1	4	2	35	.1	2	1	11	.22	3	5	ND	1	19	1	2	2	2	.12	.08	2	4	.02	49	.01	2	.49	.01	.01	1	1
AL 4SE 0+20S-B	1	3	6	17	.1	1	1	13	.23	2	5	ND	1	9	1	2	2	5	.05	.02	4	4	.03	25	.05	2	.44	.01	.02	1	1
AL 4SE 0+30S-B	1	2	3	14	.2	1	1	17	.22	2	5	ND	1	6	1	2	2	6	.04	.02	5	4	.03	24	.02	4	.36	.01	.01	1	1
AL 4SE 0+40S-B P	1	4	3	11	.1	4	1	44	.55	2	5	ND	3	4	1	2	2	11	.10	.03	8	11	.11	9	.06	2	.45	.01	.01	1	2
AL 4SE 0+50S-B P	1	5	9	18	.1	6	1	74	.80	2	5	ND	3	6	1	2	2	16	.11	.02	5	10	.20	13	.08	2	.52	.01	.02	1	1
AL 4SE 0+60S-B P	1	4	6	17	.1	6	1	53	.85	4	5	ND	4	6	1	2	2	13	.15	.04	6	10	.14	16	.06	2	.72	.01	.01	1	1
AL 4SE 0+70S-A P	1	11	7	42	.2	8	1	68	.73	2	5	ND	3	17	1	2	2	11	.24	.08	22	12	.22	63	.06	3	1.00	.01	.09	1	1
AL 4SE 0+10S-B P	1	5	7	22	.1	7	2	91	1.19	5	5	ND	4	5	1	2	2	19	.08	.03	8	13	.18	16	.07	3	.74	.01	.02	1	1
AL 4SE 0+90S-A	1	13	6	34	.4	4	1	24	.22	2	5	ND	3	16	1	2	2	3	.29	.10	37	4	.04	45	.02	7	.85	.01	.01	1	1
AL 4SE 1+00S-B	1	7	3	21	.1	7	1	66	.93	4	5	ND	2	5	1	2	2	18	.11	.04	6	13	.18	11	.07	2	.55	.01	.01	1	2
AL 4SE 1+10S-B	1	11	6	21	.1	10	2	77	1.10	3	5	ND	3	5	1	2	2	23	.10	.03	5	15	.22	15	.08	2	.68	.01	.02	2	1
AL 4SE 1+20S-B	1	12	5	21	.1	11	2	75	1.08	4	5	ND	5	4	1	2	2	17	.11	.04	8	17	.19	17	.07	2	1.11	.01	.02	1	1
AL 4SE 1+30S-B	1	4	7	23	.1	5	1	64	.98	3	5	ND	3	5	1	2	2	33	.06	.01	4	13	.16	14	.13	2	.47	.01	.03	1	2
AL 4SE 1+40S-B	1	69	14	35	.1	27	7	73	2.86	7	5	ND	5	3	1	2	2	61	.05	.03	5	47	.30	27	.14	2	2.07	.01	.05	2	1
AL 4SE 1+50S-B	1	56	14	32	.1	28	6	108	2.92	7	5	ND	5	4	1	2	2	48	.10	.05	7	49	.34	27	.13	4	1.99	.01	.03	1	1
AL 4SE 1+60S-B	1	6	13	20	.1	6	1	39	.79	5	5	ND	3	5	1	2	2	29	.07	.01	4	13	.12	18	.11	2	.53	.01	.02	1	1
AL 4SE 1+70S-B	1	17	9	23	.1	18	3	69	1.53	6	5	ND	4	4	1	2	2	31	.05	.02	6	40	.23	19	.10	2	1.35	.01	.02	1	3
AL 4SE 1+80S-B	1	24	7	25	.1	31	5	77	1.49	8	5	ND	4	4	1	2	2	37	.08	.02	7	53	.34	25	.10	2	1.34	.01	.02	1	1
AL 4SE 1+90S-A	1	9	2	77	.2	6	1	185	.33	4	5	ND	2	38	1	2	2	3	2.02	.12	14	5	.13	62	.01	7	.35	.01	.01	1	2
AL 4SE 2+10S-A P	1	12	3	41	.2	5	1	372	.31	5	5	ND	2	42	1	2	2	4	2.34	.15	14	3	.12	59	.01	7	.38	.01	.01	1	1
AL 4SE 2+30S-A P	1	2	5	69	.1	2	1	26	.11	2	5	ND	1	16	1	2	2	1	.49	.05	2	1	.04	31	.01	3	.07	.01	.01	1	1
AL 4SE 2+50S-A P	1	2	2	77	.1	1	1	14	.02	3	5	ND	1	10	1	2	2	1	.49	.05	2	1	.03	24	.01	3	.08	.01	.01	1	1
AL 4SE 2+70S-A	1	10	2	42	.1	4	1	29	.10	5	5	ND	1	17	1	2	2	1	.76	.05	2	2	.03	44	.01	2	.12	.01	.01	1	1
STD C/F/A-AU	20	59	38	133	7.0	68	26	1190	3.92	38	18	8	34	48	17	15	23	58	.48	.14	39	54	.87	184	.07	39	1.72	.05	.09	11	50

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NORTHERN DYNASTY FILE # 85-2203

PAGE 18

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	Ti	B	Al	Mg	I	W	Au**	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	1	1	1	1	1	PPM	PPM
AL 4SE 2+90S-B	1	187	18	67	.1	86	53	1851	12.28	27467	5	ND	8	5	1	2	10	62	.17	.05	18	309	1.47	124	.15	4	1.86	.01	.03	1	365	
AL 4SE 3+00S-B	1	65	4	34	.1	54	12	274	3.24	47	5	ND	3	2	1	2	2	53	.13	.01	2	128	.37	30	.19	12	.94	.01	.02	2	1	
AL 4SE 3+10S-B	1	35	11	43	.1	71	17	727	3.46	49	5	ND	1	3	1	2	5	51	.13	.04	3	235	.15	40	.07	2	.91	.02	.02	1	1	
AL 4SE 3+20S-B	1	6	2	9	.3	4	1	61	.63	5	5	ND	1	1	1	2	5	46	.14	.01	2	4	.10	6	.07	2	.22	.02	.02	1	1	
AL 4SE 3+30S-B	1	36	3	29	.2	11	4	90	1.79	5	5	ND	3	2	1	2	3	67	.15	.02	2	18	.28	14	.08	2	.64	.02	.03	4	1	
AL 4SE 3+40S-B	1	91	7	37	.1	50	25	897	3.74	15	5	ND	4	12	1	2	2	104	.83	.09	9	67	.17	82	.08	4	1.54	.01	.03	2	1	
AL 4SE 3+50S-B	1	34	11	65	.1	35	9	195	4.08	37	5	ND	4	5	1	2	4	103	.12	.03	6	61	.62	35	.27	2	1.55	.01	.06	1	1	
AL 4SE 3+60S-B	1	164	8	51	.1	112	23	310	3.83	13	5	ND	4	3	1	2	2	60	.19	.02	3	335	.81	26	.18	2	1.62	.01	.02	2	1	
AL 4SE 3+70S-B	1	14	4	29	.1	19	4	76	1.26	21	5	ND	5	4	1	2	3	48	.07	.01	3	56	.28	19	.12	2	.66	.01	.03	1	1	
AL 4SE 3+80S-A P	1	37	17	47	.3	13	2	63	.59	8	5	ND	2	16	1	2	2	5	.24	.08	8	7	.06	94	.02	4	.54	.01	.06	2	1	
AL 4SE 3+90S-B	1	16	7	21	.2	5	1	36	.52	2	5	ND	2	4	1	2	2	13	.07	.02	6	14	.05	24	.03	2	.25	.01	.02	2	1	
AL 4SE 4+00S-B	1	12	8	27	.1	18	3	67	1.62	13	5	ND	2	4	1	2	2	55	.06	.01	4	69	.24	13	.15	4	.79	.01	.02	1	1	
AL 4SE 4+10S-B	2	4	9	10	.2	5	1	34	.33	4	5	ND	3	3	1	2	2	14	.05	.01	4	20	.08	13	.07	2	.32	.01	.03	1	1	
AL 4SE 4+20S-A P	2	21	2	51	.4	13	2	33	.34	14	5	ND	2	15	1	2	2	5	.44	.14	9	12	.05	51	.01	4	.48	.01	.04	2	1	
AL 4SE 4+30S-B	1	126	4	47	.1	67	15	153	2.35	38	5	ND	4	3	1	2	3	52	.14	.02	7	126	.80	69	.16	4	1.32	.01	.17	2	2	
AL 4SE 4+40S-B	1	6	5	18	.1	9	2	47	.58	18	5	ND	3	3	1	2	2	28	.09	.02	2	36	.18	10	.12	2	.41	.01	.03	1	18	
AL 4SE 4+50S-B	1	169	10	43	.1	65	21	311	2.94	12	5	ND	2	4	1	2	3	55	.24	.02	5	71	.78	50	.19	5	1.53	.02	.04	1	1	
AL 4SE 4+60S-A	1	80	4	62	.4	23	4	44	1.09	4	5	ND	5	58	1	2	2	6	3.89	.17	30	17	.13	199	.01	5	1.01	.01	.02	2	1	
AL 4SE 4+70S-B	1	58	8	44	.2	77	14	127	2.92	45	5	ND	3	5	1	2	2	108	.24	.02	4	154	.35	27	.19	2	1.34	.01	.04	1	1	
AL 4SE 4+80S-A	1	31	7	60	.1	17	7	164	2.38	6	5	ND	1	7	1	2	2	64	.27	.05	4	25	.28	99	.07	3	.94	.01	.07	1	2	
AL 4SE 4+90S-A	1	118	5	27	.4	38	3	114	.52	4	5	ND	1	44	1	2	2	6	6.64	.08	8	32	.16	155	.01	4	.53	.01	.01	1	1	
AL 4SE 5+00S-A	2	100	3	58	.2	21	7	554	.75	19	5	ND	2	66	1	2	2	13	7.02	.14	20	23	.10	135	.01	11	.72	.02	.01	2	1	
AL 4PE 3+00H-B	1	11	6	22	.2	11	3	83	1.63	3	5	ND	10	5	1	2	2	23	.16	.09	11	23	.19	17	.08	5	1.23	.01	.03	1	3	
AL 4PE 2+90H-B	1	15	7	33	.1	11	3	94	2.85	5	5	ND	6	5	1	2	2	29	.11	.07	9	20	.21	19	.11	5	1.15	.01	.03	1	3	
AL 4PE 2+80H-B	1	31	21	100	.3	25	7	246	3.85	4	5	ND	9	5	1	2	2	52	.11	.23	10	51	.66	52	.20	2	4.23	.01	.09	1	15	
AL 4PE 2+70H-B	1	20	14	85	.1	16	5	203	4.04	5	5	ND	10	6	1	2	2	62	.10	.14	9	36	.49	43	.22	2	3.09	.01	.06	1	21	
AL 4PE 2+60H-B	1	12	8	53	.2	11	3	129	2.43	3	5	ND	9	6	1	4	3	44	.09	.12	7	28	.28	37	.15	2	1.62	.01	.05	2	10	
AL 4PE 2+50H-B	1	7	6	33	.1	6	2	88	1.85	2	5	ND	5	5	1	3	2	37	.08	.06	9	16	.22	23	.15	2	.90	.01	.04	1	6	
AL 4PE 2+40H-B	1	7	5	46	.1	40	5	173	3.87	7	5	ND	8	3	1	2	2	49	.06	.09	5	198	.77	23	.22	2	1.55	.01	.03	1	11	
AL 4PE 2+30H-B	1	5	4	22	.3	4	1	44	1.35	2	5	ND	5	4	1	2	2	33	.06	.03	7	13	.09	18	.12	2	.52	.01	.02	1	2	
AL 4PE 2+20H-B	1	11	5	21	.1	6	1	64	2.70	4	5	ND	4	4	1	2	2	35	.07	.06	6	33	.16	14	.13	5	1.36	.01	.01	1	1	
AL 4PE 2+10H-B	1	3	6	18	.1	4	1	64	1.03	3	5	ND	3	5	1	2	2	24	.07	.01	5	11	.14	16	.12	2	.45	.01	.03	1	21	
AL 4PE 2+00H-B	1	9	7	31	.1	11	3	126	1.56	2	5	ND	5	5	1	2	2	39	.11	.01	5	23	.34	20	.18	2	.81	.01	.05	1	16	
AL 4PE 1+90H-B	1	3	5	17	.2	4	1	45	.75	3	5	ND	5	4	1	2	2	29	.05	.01	4	10	.11	10	.14	2	.35	.01	.03	1	16	
AL 4PE 1+80H-B	1	9	9	17	.1	7	2	58	1.79	4	5	ND	5	4	1	2	2	36	.07	.02	9	15	.15	15	.11	5	1.42	.01	.02	1	11	
AL 4PE 1+70H-B	1	7	10	21	.1	10	4	86	1.25	2	5	ND	4	6	1	2	2	23	.11	.01	9	19	.24	27	.11	3	.89	.01	.02	1	2	
STD C/YA-BU	22	60	39	135	7.0	67	28	1205	3.99	38	18	8	39	48	17	17	20	59	.48	.15	40	60	.88	184	.08	38	1.72	.06	.10	11	49	

As upper limit 29,000 ppm.

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Ni	Fe	As	U	Au	Mn	Sr	Cd	Sb	Hg	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Mn	K	Na	Li	PPM	PPM
AL 49E 1+60H-A	1	26	3	41	.3	10	3	149	1.10	3	5	ND	4	65	1	2	2	7	3.29	.19	78	9	.20	148	.01	6	1.37	.01	.01	1	1		
AL 49E 1+50H-A	1	14	2	50	.2	5	2	63	.62	2	5	ND	2	55	1	2	2	3	2.68	.16	28	7	.11	125	.01	5	.75	.01	.01	1	1		
AL 49E 1+30H-A	1	7	5	42	.1	4	1	21	.32	2	5	ND	2	28	1	2	2	3	.73	.08	21	1	.04	66	.01	4	.63	.01	.01	1	1		
AL 49E 1+20H-A	1	63	7	33	.1	16	5	95	.94	2	5	ND	4	24	1	2	2	17	.48	.09	29	21	.16	74	.06	3	.89	.01	.05	1	1		
AL 49E 1+10H-B	2	82	25	58	.1	25	8	120	5.85	9	5	ND	16	5	1	2	2	133	.08	.04	14	63	.70	49	.21	5	4.88	.01	.05	2	11		
AL 49E 1+00H-B	1	41	14	23	.1	13	3	83	2.71	5	5	ND	7	5	1	2	2	46	.09	.03	8	38	.22	13	.13	4	2.77	.01	.02	1	2		
AL 49E 0+90H-B	1	20	12	29	.2	9	1	89	2.44	3	5	ND	5	6	1	2	2	59	.10	.02	3	25	.24	18	.17	4	1.72	.01	.03	1	7		
AL 49E 0+80H-B	1	20	6	25	.1	10	1	72	1.50	3	5	ND	5	7	1	2	2	35	.11	.02	11	28	.20	12	.13	3	1.32	.01	.02	1	1		
AL 49E 0+70H-A	1	56	5	89	.2	38	12	218	.72	2	5	ND	2	47	1	2	2	6	3.66	.19	47	19	.14	138	.01	10	1.01	.01	.01	1	1		
AL 49E 0+60H-A	1	24	6	46	.3	9	10	2020	1.84	14	5	ND	3	50	1	2	2	12	3.63	.21	44	10	.15	131	.01	11	.65	.01	.01	2	2		
AL 49E 0+50H-A	1	25	6	43	.2	5	3	321	.67	3	5	ND	2	43	1	2	2	12	2.84	.11	37	4	.14	72	.01	8	.49	.01	.01	1	2		
AL 49E 0+40H-A	P 2	15	7	56	.1	5	1	210	.84	7	5	ND	2	29	1	2	2	15	2.19	.10	22	5	.10	47	.01	10	.23	.01	.01	1	1		
AL 49E 0+30H-A	1	16	8	57	.1	11	5	448	1.55	7	5	ND	4	31	1	2	2	21	1.75	.14	28	20	.23	84	.04	9	.76	.01	.05	1	1		
AL 49E 0+20H-A	2	16	15	38	.1	6	6	664	2.91	139	5	ND	2	38	1	2	2	30	2.32	.24	29	14	.14	100	.02	7	.48	.01	.02	1	1		
AL 49E 0+10H-A	3	16	12	57	.1	10	12	843	3.74	98	5	ND	2	28	1	2	2	37	1.54	.17	22	22	.23	94	.04	7	.72	.01	.05	1	26		
AL 49E 0+00H-A	2	18	14	62	.3	8	35	4021	4.00	58	5	ND	2	33	1	2	2	50	2.12	.21	25	8	.16	178	.02	11	.57	.01	.02	1	32		
AL 49E 0+10S-A	1	21	6	79	.2	6	13	1320	1.41	4	5	ND	2	39	1	3	2	18	2.60	.19	37	11	.11	125	.01	12	.52	.01	.01	1	22		
AL 49E 0+20S-A	2	11	8	45	.1	9	10	4847	2.73	17	5	ND	4	13	1	2	2	31	.56	.10	11	21	.35	98	.09	5	.64	.01	.05	2	1		
AL 49E 0+30S-A	3	22	9	91	.2	8	10	9421	3.04	22	5	ND	2	45	1	2	2	17	2.89	.23	30	8	.18	214	.01	19	.52	.03	.03	1	1		
AL 49E 0+40S-A	P 1	13	3	92	.1	6	1	284	.78	2	5	ND	1	51	1	2	2	2	3.29	.14	26	2	.16	81	.01	10	.42	.01	.01	1	1		
AL 49E 0+50S-A	1	12	2	55	.2	6	1	61	.89	2	5	ND	2	44	1	2	2	2	2.53	.10	27	1	.11	80	.01	15	.40	.03	.01	1	1		
AL 49E 0+60S-A	1	12	4	53	.1	3	1	64	.33	2	5	ND	1	40	1	2	2	3	2.23	.06	8	2	.08	59	.01	9	.25	.02	.01	1	2		
AL 49E 1+00S-A	1	21	8	51	.1	6	2	96	.39	2	5	ND	2	46	1	2	2	4	2.62	.12	33	4	.13	75	.01	7	.48	.01	.01	1	1		
AL 49E 1+10S-A	1	17	4	36	.1	5	2	379	.36	2	5	ND	1	49	1	2	2	5	3.15	.08	18	3	.12	68	.01	7	.42	.01	.01	1	1		
AL 49E 1+20S-A	P 1	8	6	71	.1	4	1	115	.51	2	5	ND	1	37	1	2	2	2	2.41	.12	8	2	.14	41	.01	9	.16	.01	.01	1	6		
AL 49E 1+30S-A	1	16	3	69	.1	5	1	133	.20	2	5	ND	1	42	1	2	2	4	2.84	.10	13	2	.13	54	.01	7	.30	.01	.01	1	1		
AL 49E 1+40S-A	P 1	13	3	41	.1	6	1	67	.23	2	5	ND	1	41	1	2	2	2	2.47	.08	14	2	.13	62	.01	7	.29	.01	.01	1	1		
AL 49E 1+50S-A	P 1	10	5	65	.1	4	2	361	.33	2	5	ND	1	42	1	2	2	4	2.34	.09	10	3	.10	64	.01	7	.29	.01	.01	1	1		
AL 49E 1+60S-A	1	8	4	58	.1	5	1	94	.21	2	5	ND	1	44	1	2	2	3	2.46	.07	8	2	.13	57	.01	6	.26	.01	.01	1	1		
AL 49E 1+70S-A	1	5	2	51	.1	4	1	92	.19	2	5	ND	1	45	1	2	2	2	3.37	.05	4	1	.16	55	.01	13	.18	.02	.01	1	1		
AL 49E 1+80S-A	P 1	5	5	59	.1	3	1	254	.33	2	5	ND	1	27	1	2	2	3	1.60	.11	2	2	.10	27	.01	9	.10	.01	.01	1	1		
AL 49E 1+90S-A	1	4	8	56	.1	4	2	1272	.64	16	5	ND	1	47	1	2	2	2	3.10	.07	2	2	.14	58	.01	6	.15	.01	.01	1	2		
AL 49E 2+00S-A	1	7	3	58	.1	7	1	259	.21	6	5	ND	1	35	1	2	2	2	2.50	.08	2	6	.09	37	.01	7	.18	.01	.01	1	1		
AL 49E 2+20S-A	1	13	4	41	.1	7	1	185	.23	5	5	ND	1	40	1	2	2	3	3.13	.06	3	8	.09	52	.01	8	.24	.01	.01	1	1		
AL 49E 2+30S-A	1	16	5	24	.1	2	1	164	.61	4	5	ND	1	11	1	2	2	12	.56	.06	5	3	.05	21	.01	2	.35	.01	.01	1	2		
AL 49E 2+40S-B	1	36	19	43	.1	125	28	814	1.64	39	5	ND	1	5	1	2	2	22	.28	.03	2	107	.14	19	.03	2	.52	.01	.02	1	1		
STD C/FA-MO	21	60	39	125	7.1	68	29	1150	3.96	39	18	8	33	52	17	14	22	57	.48	.15	38	60	.88	180	.08	39	1.73	.05	.09	11	51		

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	Auto
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	1	1	1	1	PPM	PPM
AL 49E 2+505-B	1	26	6	31	.1	8	1	32	.37	6	5	ND	1	4	1	2	2	8	.15	.02	5	60	.07	24	.02	2	.23	.01	.01	1	2
AL 49E 2+605-B	1	42	4	40	.2	68	7	166	1.27	15	5	ND	4	10	1	2	2	23	.29	.07	16	75	.32	34	.06	2	.71	.01	.04	1	1
AL 49E 2+705-A	1	69	15	33	.2	38	4	25	1.32	1	5	ND	11	46	1	2	2	8	1.24	.10	101	24	.07	117	.02	2	1.1	.01	.01	1	1
AL 49E 2+805-A	1	49	9	54	.1	81	11	219	2.2	19	5	ND	5	7	1	2	2	44	.14	.02	9	100	.64	39	.15	2	1.60	.02	.03	1	55
AL 49E 2+905-B	1	20	9	42	.1	45	7	184	1.89	7	5	ND	5	8	1	2	3	33	.25	.03	13	50	.50	52	.12	2	1.34	.01	.04	1	1
AL 49E 3+005-B	1	22	7	20	.1	28	5	41	1.64	10	5	ND	4	5	1	2	4	40	.22	.02	9	57	.25	29	.10	2	1.07	.01	.02	1	2
AL 49E 3+105-B	1	28	11	46	.1	24	5	139	1.78	10	5	ND	7	11	1	2	2	34	.25	.03	21	45	.39	52	.10	2	1.44	.01	.04	1	2
AL 49E 3+205-B	1	12	5	20	.1	4	1	54	.42	2	5	ND	1	4	1	2	2	12	.12	.03	6	7	.08	22	.9	2	.29	.01	.02	1	1
AL 49E 3+305-B	1	12	11	28	.1	13	2	72	2.20	6	5	ND	5	6	1	2	2	64	.08	.01	7	33	.22	25	.12	2	1.23	.01	.02	1	2
AL 49E 3+405-B	5	21	13	107	.4	11	52	2453	4.35	430	5	ND	8	34	1	2	2	34	2.21	.16	16	27	.10	290	.02	8	.68	.02	.04	1	1
AL 49E 3+505-A	8	28	18	113	.3	13	75	13041	10.74	2178	5	ND	10	33	1	2	2	79	2.44	.26	40	37	.04	1198	.02	2	1.06	.01	.01	1	14
AL 49E 3+605-A	1	44	8	97	.1	15	6	2576	2.11	152	5	ND	7	43	1	2	2	70	4.01	.15	18	19	.07	198	.01	4	.50	.01	.01	1	1
AL 49E 3+705-A	3	32	14	107	.2	14	28	12722	5.51	588	5	ND	5	46	1	2	2	10	3.91	.16	5	6	.07	503	.01	7	.74	.01	.04	1	1
AL 49E 3+805-A	1	75	3	31	.2	25	2	374	.30	4	5	ND	5	80	1	2	2	3	6.52	.04	4	12	.07	161	.01	3	.22	.01	.01	1	1
AL 49E 3+905-A	1	92	6	52	.1	58	2	810	.59	2	5	ND	5	82	1	2	2	4	6.16	.07	4	11	.07	217	.01	5	.29	.01	.01	1	1
AL 49E 4+005-A	1	54	2	69	.1	38	1	191	.31	2	5	ND	4	73	1	2	2	4	5.21	.07	4	6	.04	145	.01	11	.25	.01	.01	1	2
AL 49E 4+105-A	1	402	75	74	.2	251	41	3013	3.72	14	5	ND	7	50	2	2	2	39	2.57	.14	64	232	.41	249	.05	2	2.14	.02	.03	1	6
AL 49E 4+205-B	1	89	17	77	.1	71	13	181	2.15	5	5	ND	2	3	1	2	2	52	.20	.02	3	213	.59	21	.11	2	.82	.01	.02	1	2
AL 49E 4+305-B	1	529	17	147	.1	220	52	1170	7.38	15	5	ND	4	31	1	2	2	175	.89	.03	10	620	.82	491	.27	2	3.40	.02	.22	1	4
AL 49E 4+405-B	1	38	10	27	.1	15	4	146	1.91	2	5	ND	2	3	1	2	2	84	.19	.02	2	11	.13	37	.13	2	.42	.01	.02	1	1
AL 49E 4+505-B	1	53	13	43	.1	28	7	216	4.27	2	5	ND	2	2	1	2	2	121	.11	.02	2	42	.21	40	.17	2	.70	.02	.03	1	1
AL 49E 4+605-B	1	40	8	30	.1	17	4	144	3.47	4	5	ND	1	1	1	2	2	97	.21	.01	2	24	.30	19	.21	2	.74	.03	.01	1	2
AL 49E 4+705-B	1	64	12	36	.1	58	14	79	3.57	32	5	ND	1	2	1	2	2	89	.09	.01	2	224	.56	25	.20	2	1.18	.01	.01	1	1
AL 49E 4+805-B	1	39	5	18	.1	43	7	66	1.96	5	5	ND	1	1	1	2	2	41	.13	.01	2	186	.55	10	.11	2	.63	.01	.01	1	14
AL 49E 4+905-B	1	8	12	28	.1	6	1	40	.64	2	5	ND	3	4	1	2	2	28	.06	.01	6	19	.07	22	.14	2	.32	.01	.01	1	21
AL 49E 5+005-B	1	165	9	79	.1	253	35	269	4.54	33	5	ND	3	3	1	2	2	75	.14	.02	4	449	.81	38	.13	2	2.33	.01	.02	1	1
AL 49E 5+105-B	1	5	3	8	.1	9	1	43	.37	2	5	ND	1	1	1	2	2	13	.07	.01	3	14	.08	13	.03	2	.16	.01	.01	1	1
AL 49E 5+205-B	1	20	7	41	.1	17	5	93	1.54	2	5	ND	1	3	1	3	2	78	.13	.02	3	30	.25	23	.12	2	.72	.03	.01	1	3
AL 49E 5+305-B	1	67	8	49	.1	13	9	78	3.06	52	5	ND	1	2	1	2	2	139	.10	.02	2	11	.24	25	.12	2	1.01	.01	.02	2	18
AL 49E 5+405-B	1	54	5	19	.1	9	3	54	.85	2	5	ND	1	3	1	2	2	25	.17	.04	5	19	.17	27	.04	2	.52	.02	.02	1	2
AL 49E 5+505-B	1	41	12	32	.1	15	6	86	2.25	5	5	ND	1	3	1	2	2	96	.16	.03	4	46	.55	29	.13	2	1.06	.02	.02	1	1
AL 49E 5+605-B	1	21	8	30	.1	14	5	67	1.18	2	5	ND	1	2	1	2	2	49	.17	.02	3	34	.28	18	.09	2	.59	.02	.01	1	2
AL 49E 5+705-B	2	64	11	33	.1	71	8	111	2.57	34	5	ND	4	4	1	2	2	51	.16	.05	10	78	.38	24	.09	2	1.33	.01	.02	1	12
AL 49E 5+805-B	1	42	9	48	.1	25	11	144	3.55	11	5	ND	1	2	1	2	2	152	.14	.02	2	45	.72	17	.18	2	1.48	.02	.01	4	6
AL 49E 5+905-B	1	19	7	21	.1	8	3	70	1.56	24	5	ND	1	1	1	2	3	93	.13	.01	3	12	.14	13	.11	2	.42	.02	.01	2	1
AL 49E 6+005-B	1	238	9	66	.1	115	22	476	3.95	245	5	ND	10	13	1	2	2	85	.97	.04	36	152	.89	113	.17	2	2.35	.02	.04	1	82
STD C/FA-ND	21	59	39	138	1.0	71	27	1188	3.97	39	19	8	37	51	17	15	21	60	.48	.14	38	58	.88	176	.07	38	1.64	.06	.10	12	52

NORTHERN DYNASTY FILE # 65-2203

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Ta	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au+1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
AL 49E 6+105-B	1	34	9	46	.1	339	33	248	3.70	103		ND	4	6	1	2	3	45	.20	.02	2	632	.99	28	.14	2	3.38	.05	.03	1	11
AL 49E 6+205-A	1	43	5	38	.3	129	5	683	.34	7	5	ND	1	37	1	2	2	6	6.31	.08	7	24	.09	136	.01	8	.40	.01	.02	1	10
AL 49E 6+305-A	1	66	4	40	.5	75	6	345	.33	3	5	ND	1	45	1	2	2	4	5.90	.09	24	17	.08	130	.01	8	.46	.02	.02	1	12
AL 49E 6+405-B	1	10	5	16	.1	12	2	41	.47	4	5	ND	2	4	1	2	2	13	.17	.01	3	23	.15	14	.07	2	.34	.01	.03	2	3
AL 49E 6+505-B	1	9	5	29	.2	50	5	250	2.10	6	5	ND	2	2	1	3	2	44	.04	.02	2	309	1.32	18	.11	2	1.36	.01	.04	1	27
AL 49E 6+705-B	1	31	12	60	.1	98	18	259	2.78	37	5	ND	4	6	1	2	2	69	.27	.01	3	174	.93	42	.19	2	1.77	.01	.05	1	22
AL 49E 6+805-B	1	84	16	77	.1	195	31	300	4.25	55	5	ND	6	5	1	2	6	85	.23	.04	10	368	1.33	48	.15	2	2.82	.01	.04	1	9
AL 49E 6+905-B	1	35	7	34	.1	43	6	137	2.44	28	5	ND	4	3	1	2	2	74	.10	.01	4	98	.43	16	.17	2	.94	.01	.03	1	14
AL 49E 7+005-B	1	27	7	44	.1	46	6	158	2.60	20	5	ND	4	7	1	2	2	52	.12	.02	6	90	.49	27	.13	2	1.39	.01	.05	1	20
AL 49E 7+105-B	1	22	7	20	.2	22	3	119	1.18	2	5	ND	4	2	1	2	2	22	.02	.04	7	64	.47	20	.03	2	.81	.01	.02	2	8
AL 49E 7+205-B	1	12	5	24	.1	21	2	76	1.18	10	5	ND	2	4	1	2	2	35	.10	.01	3	62	.20	22	.09	2	.47	.01	.03	1	3
AL 49E 7+305-A	1	217	8	25	.4	175	5	26	.61	6	5	ND	6	19	1	2	2	7	1.97	.14	95	63	.11	76	.02	3	2.51	.01	.03	1	6
ADL 2+00E-A	1	9	2	55	.2	5	1	47	.14	2	5	ND	1	16	1	2	2	3	.80	.08	4	3	.06	35	.01	4	.17	.03	.01	1	4
ADL 2+25E-A	1	9	29	84	.1	3	1	283	.19	2	5	ND	1	13	1	2	2	3	.61	.12	2	3	.05	61	.01	6	.15	.01	.07	1	8
ADL 2+50E-A	1	9	2	50	.2	3	1	60	.30	3	5	ND	2	19	1	2	2	2	.74	.10	15	1	.04	48	.01	4	.27	.01	.01	1	4
ADL 2+75E-A	1	8	5	61	.1	2	1	44	.26	2	5	ND	2	20	1	2	2	2	.76	.07	8	1	.04	44	.01	2	.23	.01	.01	1	1
ADL 3+00E-A	1	4	3	52	.1	2	1	42	.20	2	5	ND	1	15	1	2	2	1	.61	.06	2	2	.04	31	.01	3	.12	.02	.01	1	8
ADL 3+25E-A	1	5	7	60	.3	3	1	48	.17	2	5	ND	2	17	1	2	2	2	.66	.08	3	2	.04	39	.01	4	.13	.01	.01	1	1
ADL 3+50E-A	1	3	6	57	.2	3	1	53	.26	2	5	ND	1	11	1	2	2	2	.69	.07	2	2	.05	26	.01	5	.12	.02	.02	1	4
ADL 4+25E-A	1	55	21	34	.5	323	16	340	4.04	32	5	ND	3	40	1	3	2	47	2.62	.13	25	255	.64	72	.03	7	1.67	.01	.05	1	1
ADL 4+50E-B	1	4	5	12	.1	6	1	34	.46	2	5	ND	3	5	1	2	2	11	.07	.01	4	12	.08	15	.07	2	.42	.01	.02	1	1
ADL 4+75E-A	1	28	5	58	.6	15	3	97	.89	3	5	ND	3	45	1	2	2	6	1.54	.12	34	11	.17	89	.02	5	.82	.01	.04	1	1
ADL 5+00E-A	1	25	10	69	.4	20	9	783	1.11	27	5	ND	3	52	1	2	2	11	2.34	.12	46	17	.29	120	.02	7	1.10	.01	.06	1	10
ADL 5+25E-B	1	3	8	12	.1	2	1	32	1.37	2	5	ND	1	5	1	2	2	28	.07	.02	3	11	.06	12	.09	2	1.19	.01	.02	1	3
ADL 5+50E-A	1	41	11	47	.4	23	4	37	1.21	45	5	ND	5	71	1	2	2	9	2.09	.09	57	14	.74	145	.03	4	1.37	.01	.06	1	8
ADL 5+75E-B	1	13	6	23	.1	17	2	72	.91	89	5	ND	5	5	1	2	2	14	.13	.02	7	11	.19	17	.04	2	.45	.01	.02	1	1
ADL 6+25E-B	1	12	18	21	.1	7	1	79	1.93	2	5	ND	7	5	1	2	2	30	.08	.04	4	16	.14	14	.09	2	1.30	.01	.02	1	4
ADL 6+50E-A	1	20	37	111	.5	13	1	230	.43	3	5	ND	1	28	1	2	2	7	.42	.11	4	4	.05	155	.01	2	.40	.01	.05	1	6
ADL 6+75E-A	1	10	11	39	.5	5	1	57	.45	3	5	ND	1	22	1	2	2	3	.34	.15	19	4	.05	55	.01	4	.51	.02	.03	1	8
ADL 7+00E-A	1	8	4	17	.2	4	1	31	.45	5	5	ND	2	9	1	2	2	3	.15	.08	15	7	.03	20	.01	2	.32	.01	.02	1	6
ADL 7+25E-A	1	9	6	53	.2	4	1	18	.28	2	5	ND	4	19	1	2	2	2	.36	.09	34	4	.03	37	.01	2	.59	.01	.01	1	1
ADL 7+50E-A	1	11	7	24	.2	5	1	52	.32	2	5	ND	2	15	1	2	2	2	.29	.09	20	4	.03	28	.01	2	.38	.01	.02	1	1
ADL 7+75E-A	1	18	6	46	.5	10	2	45	.63	2	5	ND	3	31	1	2	2	3	.73	.23	38	10	.06	54	.01	4	.71	.01	.03	1	4
ADL 8+25E-B	1	9	7	13	.1	5	1	44	1.49	4	5	ND	5	3	1	2	2	20	.06	.01	7	17	.10	7	.08	2	.94	.01	.01	1	2
ADL 8+50E-B	1	31	15	32	.2	11	1	133	5.10	25	5	ND	3	2	1	2	10	183	.04	.06	2	54	.11	27	.20	2	.44	.01	.09	1	10
ADL 8+75E-B	1	7	10	19	.2	6	1	53	1.75	29	5	ND	5	5	1	2	2	37	.07	.02	3	20	.12	16	.14	19	.84	.01	.03	1	4
STD CFFA-AU	21	61	36	135	7.2	69	28	1228	3.98	40	17	8	37	53	17	15	22	59	.68	.15	36	59	.88	184	.08	60	1.72	.06	.11	12	50

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SAMPLE#	No PPK	Cu PPK	Pb PPK	Zn PPK	Ag PPK	Ki PPK	Co PPK	Mn PPK	Fe %	As PPK	U PPK	Au PPK	Ta PPK	Sr PPK	Cd PPK	Sb PPK	Bi PPK	V PPK	Ca %	P %	La PPK	Ce PPK	Hg %	Ba PPK	Ti %	B PPK	Al %	Ka %	K %	# PPK	Auth PPK
ABL 9+00E-B	1	5	7	29	.2	5	1	74	1.66	5	5	ND	7	5	1	2	2	36	.08	.06	4	11	.18	16	.16	3	.60	.01	.03	2	2
ABL 9+25E-B	1	14	14	52	.3	9	2	111	3.02	8	5	ND	10	7	1	2	2	46	.11	.10	12	23	.24	24	.16	4	2.05	.01	.04	1	1
ABL 9+50E-B	1	18	49	196	.9	110	16	365	5.89	238	5	ND	6	5	1	2	4	50	.07	.03	11	133	.27	28	.10	3	.74	.01	.02	1	17
ABL 9+50E-B	1	288	1183	336	56.2	200	37	410	8.76	917	5	ND	2	2	1	28	2	141	.09	.06	33	361	1.07	23	.29	3	3.34	.01	.14	4	5
ABL 9+75E-B	2	253	487	922	68.9	72	15	371	9.48	1059	5	ND	3	3	2	2	2	218	.10	.06	34	96	.96	26	.33	1	3.37	.01	.16	4	4
ABL 10+25E-B	4	127	149	460	2.9	430	87	2590	16.13	16407	5	ND	8	10	1	2	7	138	.37	.09	81	397	.62	72	.16	2	2.27	.01	.05	1	85
ABL 10+50E-A	1	21	35	108	.5	28	4	142	.51	343	5	ND	1	20	1	2	2	8	.70	.10	11	10	.09	73	.01	7	.30	.01	.05	1	30
ABL 10+75E-A	1	8	4	54	.1	14	2	67	.12	19	5	ND	2	37	1	2	2	3	.97	.07	15	2	.07	55	.01	4	.28	.01	.01	1	1
ABL 11+00E-A	1	14	6	51	.4	37	2	34	.52	10	5	ND	1	34	1	2	2	2	.91	.21	29	15	.07	74	.01	7	.48	.01	.02	1	1
ABL 11+75E-B	1	66	43	223	.2	110	22	257	4.70	30	5	ND	6	5	1	2	2	59	.09	.03	16	174	.75	23	.21	4	3.44	.01	.02	1	5
ABL 11+50E-B	1	14	29	42	.7	4	1	38	.81	48	5	ND	2	3	1	2	3	49	.05	.01	5	18	.04	7	.08	2	.48	.01	.01	1	5
ABL 11+75E-A	1	31	9	47	.5	22	1	252	1.42	47	5	ND	4	31	1	2	2	10	1.35	.13	62	19	.08	63	.02	6	.75	.01	.01	1	20
ABL 12+25E-A	1	7	2	41	.1	5	1	63	.17	2	5	ND	1	22	1	2	2	1	.57	.08	7	1	.04	36	.01	3	.17	.01	.01	1	1
ABL 12+50E-A	1	6	2	30	.2	7	1	40	.19	2	5	ND	1	22	1	2	2	3	.60	.08	11	2	.03	44	.01	3	.23	.01	.01	1	1
ABL 12+75E-A	1	13	3	61	.3	9	2	50	.43	6	5	ND	1	24	1	2	2	4	.67	.1	19	3	.04	57	.01	6	.35	.01	.01	1	1
ABL 13+00E-A	1	4	2	48	.2	6	1	48	.18	2	5	ND	1	19	1	2	2	2	.32	.08	8	2	.04	47	.01	5	.30	.01	.01	1	28
ABL 13+25E-A	1	10	4	56	.4	4	1	31	.20	2	5	ND	2	21	1	2	2	3	.28	.11	18	1	.02	48	.01	3	.38	.01	.01	1	1
ABL 13+50E-A	1	10	4	68	.3	5	1	27	.22	2	5	ND	1	17	1	2	3	3	.18	.13	13	3	.02	57	.01	4	.60	.01	.01	1	1
ABL 13+75E-A	1	3	10	82	.1	6	1	23	.41	2	5	ND	1	14	1	2	2	1	.21	.10	4	1	.02	52	.01		.25	.01	.01	1	1
ABL 14+75E-B	1	12	30	43	.2	10	1	70	1.92	14	5	ND	5	6	1	2	2	95	.09	.02	5	15	.22	17	.25			.01	.03	2	2
ABL 14+50E-B	12	54	215	220	.9	40	30	773	12.74	2301	5	ND	5	7	1	16	2	55	.15	.06	26	32	.05	66	.04	2		.01	.04	1	1
ABL 14+75E-A	1	37	30	57	.7	19	20	842	3.27	55	5	ND	4	38	1	2	2	21	1.65	.15	64	13	.10	78	.02	8	1.6	.01	.03	1	1
ABL 15+00E-A	1	15	2	64	.3	14	2	124	.44	6	5	ND	3	31	1	2	2	4	1.00	.15	34	3	.04	68	.01	10	.40	.01	.01	1	2
AL 15+25E BLO-A	1	21	9	38	.4	11	1	23	.53	4	5	ND	2	24	1	2	3	6	.20	.05	20	5	.05	45	.02	4	.71	.01	.02	1	1
AL 15+50E BLO-A	1	133	15	48	.5	35	4	186	1.94	4	5	ND	3	18	1	2	2	29	.76	.10	52	62	.43	81	.06	5	1.52	.01	.03	3	1
AL 15+75E BLO-A	1	38	27	55	.9	44	5	131	1.18	7	5	ND	3	37	1	2	2	12	.72	.21	47	15	.08	91	.02	9	.87	.02	.04	1	2
AL 16+00E BLO-A	3	124	42	61	1.1	44	12	1834	4.59	79	5	ND	8	43	1	2	2	92	.89	.29	110	47	.11	104	.05	5	1.43	.01	.02	1	1
AL 16+25E BLO-A	3	85	25	93	1.8	248	31	14481	4.29	208	8	ND	23	60	2	2	2	11	5.34	.14	458	16	.09	489	.01	16	1.65	.01	.01	1	1
AL 16+50E BLO-A	1	125	9	54	1.1	35	4	986	2.42	43	5	ND	18	34	1	2	2	26	1.70	.16	350	19	.05	103	.02	5	1.96	.01	.01	1	1
AL 16+75E BLO-A	1	39	25	119	1.3	16	15	990	2.65	33	5	ND	4	27	1	2	2	16	.69	.28	68	18	.07	69	.01	8	.84	.01	.02	1	2
AL 17+00E BLO-A	3	86	46	111	1.5	28	39	7194	7.69	84	5	ND	13	31	1	2	2	48	1.62	.23	166	44	.12	92	.04	7	1.60	.01	.03	1	1
AL 17+25E BLO-A	1	135	25	218	1.2	72	18	4149	2.04	19	5	ND	12	53	3	2	2	16	3.32	.20	216	16	.14	178	.02	9	1.19	.01	.03	1	1
AL 18+21E 0+09H-B	6	76	201	97	2.6	10	1	990	16.11	6	5	ND	3	8	1	2	2	35	.08	.17	14	1	.07	42	.03	2	.34	.01	.02	2	1
AL 18+44E 0+09H-B	5	93	12209	234	120.1	3	1	413	18.64	400	5	ND	5	7	1	87	18	40	.07	.68	12	8	.09	17	.03	2	.30	.01	.13	1	12
EAS 8-1	1	106	205	50	2.0	17	18	725	11.39	17421	5	ND	2	4	1	2	2	159	.14	.27	27	7	.28	69	.11	7	4.63	.02	.03	9	28
EAS 8-2	1	12	39	37	.3	138	9	78	2.90	345	5	ND	2	1	1	3	6	72	.02	.02	2	473	1.49	16	.26	3	1.81	.01	.03	2	1
STD C/FA-AU	22	59	39	127	7.1	69	30	1125	3.98	39	18	8	33	52	18	15	21	59	.48	.16	39	57	.88	180	.08	40	1.73	.04	.09	11	48

NORTHERN DYNASTY FILE W 85-2203

PAGE 23

SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Hg PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	In PPM	Sr PPM	Ed PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Av** PPM
EAS 8-3	12	185	46	288	.1	200	83	7390	20.24	456	6	ND	6	72	1	5	2	59	.37	.02	14	26	.28	67	.01	2	.50	.01	.02	1	18
ERS 8-81	13	176	1911	15475	21.0	125	23	3918	8.13	669	5	ND	2	4	26	11	4	150	.44	.05	10	78	2.08	28	.27	2	3.68	.01	.23	1	70
ERS 8-82	13	164	31	195	.1	169	61	3221	13.38	139	5	ND	5	58	1	19	2	78	.89	.08	19	64	.92	59	.02	2	1.60	.02	.04	1	60
ERS 8-83	7	27	28	44	.1	10	1	433	27.96	119	7	ND	5	9	1	2	2	90	.04	.03	2	19	.10	18	.07	2	.21	.01	.06	2	2
GIS 8-1	6	83	100	108	9.4	23	4	230	12.47	13	5	ND	4	2	1	2	2	227	.06	.05	5	87	.62	22	.23	2	2.43	.01	.13	1	2
TAS 8-1	5	114	24	61	.1	113	17	1602	4.67	58	5	ND	6	14	1	2	2	65	.70	.03	15	227	1.38	49	.28	2	4.33	.02	.06	1	9
TAS 8-2	3	35	24	137	.2	62	13	645	7.36	13996	5	ND	2	4	1	2	7	117	.11	.06	6	64	.84	68	.23	2	2.26	.01	.06	6	95
EAS 8-1	7	407	19218	5926	171.2	131	41	935	9.00	1515	5	ND	3	11	33	135	2	105	.61	.04	4	52	.87	32	.15	2	2.25	.07	.70	1	150
GIS 8-1	7	396	1097	1637	82.2	51	10	142	13.48	36	5	ND	3	4	9	23	6	21	.50	.02	3	15	.24	6	.03	2	.90	.02	.13	1	28
GIS 8-2	8	249	844	341	33.0	325	26	874	18.52	18	5	ND	3	1	1	6	29	20	.16	.1	2	8	.29	10	.03	2	.45	.01	.06	1	8
TAS 8-1	6	73	51	26	1.4	286	57	74	15.56	17043	5	ND	1	1	1	21	13	6	.04	.01	2	37	.04	2	.01	12	.11	.01	.01	1	760
STD C/FA-AU	21	60	39	137	7.0	70	28	1159	3.98	40	15	8	40	50	17	16	20	63	.48	.14	37	60	.88	177	.08	41	1.72	.06	.11	12	51

McGruar Lake

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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, CA, P, CR, MG, BA, TI, B, AL, NA, K, V, SI, ZR, CE, SM, Y, ND AND TA. NO DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: SOILS -80 MESH ANALYSIS BY FA-AA FROM 10 GRAM SAMPLE.
PFT SOILS / STREAM SED. PIP-RXAS

DATE RECEIVED: SEPT 24 1985

DATE REPORT MAILED: *Oct 4/85*

ASSAYER: *D. J. ...*

DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-2497

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	Ti	B	Al	Na	K	V	Au11
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
BL 0+00 1+00K3	1	4	6	18	.3	3	1	51	1.21	2	5	ND	5	6	1	2	2	44	.07	.01	5	11	.11	8	.17	2	.43	.01	.04	1	1
BL 0+00 0+90K3	1	14	14	59	.1	16	2	208	4.55	6	5	ND	6	8	1	3	3	77	.10	.05	7	36	.54	22	.29	3	1.40	.01	.09	1	1
BL 0+00 0+80K3	1	20	8	59	.3	17	4	259	2.99	3	5	ND	9	9	1	2	2	47	.15	.07	11	32	.50	35	.19	4	1.84	.01	.08	1	1
BL 0+00 0+70K3	1	3	6	25	.1	4	1	78	1.31	2	3	ND	4	7	1	2	2	31	.10	.04	7	15	.16	18	.14	2	.55	.01	.05	1	1
BL 0+00 0+60K3	1	6	11	38	.1	7	1	106	2.74	2	5	ND	5	8	1	2	2	54	.11	.04	8	27	.23	24	.14	2	.91	.01	.04	1	1
BL 0+00 0+50K3	1	7	3	31	.1	8	1	99	2.58	2	5	ND	4	6	1	2	2	54	.12	.02	6	21	.25	16	.21	2	.75	.01	.04	1	2
BL 0+00 0+40K3	1	4	8	26	.1	6	1	112	1.22	2	5	ND	3	15	1	2	2	37	.11	.01	5	16	.26	18	.21	2	.73	.05	.04	1	1
BL 0+00 0+30K3	1	7	14	40	.1	8	1	137	1.73	2	5	ND	3	9	1	2	2	53	.11	.01	8	21	.32	32	.23	2	1.09	.01	.04	1	1
BL 0+00 0+20K3	1	6	7	28	.1	5	1	72	1.07	2	5	ND	6	9	1	2	2	27	.11	.01	8	14	.17	26	.15	2	.71	.01	.04	1	1
BL 0+00 0+10K3	1	7	7	40	.1	6	1	132	1.49	2	5	ND	4	8	1	2	2	45	.11	.01	6	16	.37	22	.22	2	.93	.01	.03	1	1
BL 0+00 0+00B	1	30	10	91	.2	54	17	163	3.15	18	5	ND	7	11	1	2	2	162	.19	.03	7	173	.75	67	.21	2	4.13	.07	.08	1	2
BL 0+00 0+10S3	1	19	19	24	.1	6	1	58	1.25	3	5	ND	2	6	1	2	2	35	.07	.01	11	21	.13	54	.06	2	1.04	.01	.02	1	1
BL 0+00 0+20S3	2	42	20	94	.1	62	7	273	6.14	9	5	ND	4	5	1	2	2	191	.08	.05	8	119	.98	32	.35	3	2.17	.01	.04	1	1
BL 0+00 0+30S3	1	6	6	23	.1	7	1	76	1.88	2	5	ND	2	7	1	2	2	47	.10	.04	7	17	.20	12	.18	3	.61	.01	.02	1	1
BL 0+00 0+40S3	1	2	2	27	.1	6	1	107	1.06	2	5	ND	5	13	1	2	2	25	.13	.01	7	11	.30	18	.17	2	.56	.03	.10	1	3
BL 0+00 0+50S3	1	6	6	41	.1	5	1	167	1.59	2	5	ND	2	8	1	2	2	34	.15	.03	7	12	.25	23	.17	2	.61	.01	.05	3	6
BL 0+00 0+60S3	1	10	8	36	.1	11	3	145	2.03	3	5	ND	4	9	1	3	5	34	.11	.03	10	22	.29	29	.12	3	1.09	.01	.05	1	2
BL 0+00 0+70S3	1	5	8	35	.1	4	1	76	.98	2	5	ND	2	10	1	2	2	23	.12	.02	4	14	.15	24	.10	3	.53	.01	.05	1	1
BL 0+00 0+80S3	1	14	10	71	.1	19	3	253	3.74	3	5	ND	5	9	1	2	2	83	.12	.05	6	35	.66	33	.33	4	1.48	.01	.09	1	1
BL 0+00 0+90S3	1	10	11	62	.1	22	3	227	2.91	3	5	ND	2	10	1	2	4	62	.15	.04	7	62	.52	33	.23	3	1.12	.01	.06	1	1
BL 0+00 1+00S3	1	11	10	43	.1	13	2	167	2.84	2	5	ND	4	10	1	2	2	57	.15	.06	9	30	.42	34	.19	4	1.17	.01	.06	1	1
BL 0+00 1+10S3	1	9	9	67	.1	15	2	183	2.78	2	5	ND	5	11	1	2	2	72	.16	.04	6	29	.54	38	.29	3	1.23	.01	.09	1	2
BL 0+00 1+20S3	1	9	7	51	.1	19	4	238	2.75	2	5	ND	4	12	1	2	2	50	.22	.05	7	31	.48	56	.16	4	1.62	.01	.06	1	1
BL 0+00 1+30S3	1	3	4	17	.1	4	1	53	.84	2	5	ND	6	7	1	2	2	20	.11	.01	10	12	.13	15	.09	3	.38	.01	.02	1	1
BL 0+00 1+40S3	1	8	7	33	.1	7	1	87	2.74	3	5	ND	4	6	1	2	2	44	.12	.13	6	25	.23	21	.13	2	1.00	.01	.02	1	1
BL 0+00 1+50S3	1	11	11	39	.1	8	1	94	2.06	2	5	ND	4	8	1	2	4	38	.11	.05	6	18	.28	29	.14	3	1.14	.01	.04	1	1
BL 0+00 1+60S3	1	7	8	25	.1	9	1	89	2.14	4	5	ND	8	7	1	2	2	42	.12	.03	10	21	.22	12	.13	3	.71	.01	.04	1	1
BL 0+00 1+70S3	1	23	8	60	.2	30	6	206	4.42	2	5	ND	8	10	1	2	6	89	.20	.04	10	32	.89	36	.37	3	1.65	.01	.08	1	1
BL 0+00 1+80S3	1	5	8	37	.1	9	1	118	1.71	2	5	ND	3	7	1	2	4	46	.12	.01	5	19	.33	21	.21	2	.71	.01	.06	1	1
BL 0+00 1+90S3	1	7	12	70	.1	20	3	275	2.69	2	5	ND	5	8	1	2	7	77	.15	.02	5	50	.70	25	.28	3	1.26	.01	.10	1	1
BL 0+00 2+00S3	1	7	4	61	.1	17	3	237	2.23	2	5	ND	4	9	1	2	2	50	.23	.01	7	30	.71	36	.26	3	1.22	.01	.07	1	1
BL 1+00E 1+00NA	1	27	3	50	.1	11	7	428	1.01	4	5	ND	8	53	1	2	2	6	2.81	.13	122	9	.18	104	.02	5	.96	.01	.01	1	1
BL 1+00E 0+90NA	1	54	2	40	.1	20	6	713	1.07	2	5	ND	9	51	1	2	2	7	4.26	.13	128	11	.21	101	.01	6	1.12	.01	.01	1	1
BL 1+00E 0+80ND	1	14	2	18	.1	10	3	117	1.38	2	5	ND	8	12	1	2	2	21	.48	.02	56	15	.16	27	.09	2	.99	.01	.01	1	2
BL 1+00E 0+70ND	1	8	4	28	.1	10	3	139	1.51	4	5	ND	3	8	1	2	2	24	.24	.04	10	15	.38	25	.13	3	.74	.01	.02	1	1
BL 1+00E 0+60ND	1	14	9	50	.1	21	6	206	2.71	3	5	ND	11	9	1	2	2	50	.20	.03	19	27	.57	41	.12	4	1.44	.01	.03	1	1
STD C/FA-AU	21	59	39	138	7.0	69	26	1173	3.99	37	17	8	36	51	16	15	20	60	.48	.13	37	59	.98	177	.08	40	1.73	.06	.10	11	49

NORTHERN DYNASTY FILE # 85-2497

FOBI 2

SAMPLED	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Pi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Ka	Sc	W	Au ¹⁹⁷
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
BL 1+00E 0+30ND	1	11	3	25	.1	11	2	114	1.12	2	5	ND	5	0	1	2	2	32	.15	.02	11	17	.31	17	.14	3	.69	.01	.02	1	3
BL 1+00E 0+40ND	1	6	9	22	.2	7	1	90	1.09	2	5	ND	4	7	1	2	2	34	.09	.01	9	16	.21	15	.15	2	.73	.01	.02	1	2
BL 1+00E 0+30ND	1	7	8	18	.3	7	1	73	1.98	2	5	ND	5	7	1	2	2	37	.11	.02	9	16	.17	14	.15	2	.85	.01	.02	1	1
BL 1+00E 0+20ND	1	6	8	35	.1	12	2	140	2.01	3	5	ND	4	11	1	2	3	50	.20	.01	7	32	.49	15	.25	3	.80	.01	.02	1	5
BL 1+00E 0+10ND	1	6	10	15	.3	3	1	45	1.04	4	5	ND	4	5	1	2	2	27	.09	.01	6	13	.08	22	.11	4	.42	.01	.02	1	2
BL 1+00E 0+00B	1	8	9	34	.1	7	1	104	2.11	3	5	ND	5	7	1	2	4	57	.11	.01	8	19	.24	22	.23	3	.82	.01	.02	1	12
BL 1+00E 0+10SB	1	16	16	31	.1	16	2	172	3.99	23	5	ND	3	5	1	4	2	73	.12	.02	11	51	.20	30	.08	3	1.65	.02	.01	1	2
BL 1+00E 0+20SB	1	12	13	38	.4	17	6	127	4.31	11	5	ND	3	14	1	2	2	136	.24	.01	7	59	.42	65	.26	2	2.13	.06	.05	1	3
BL 1+00E 0+30SB	1	9	12	19	.1	5	1	57	1.10	10	5	ND	5	5	1	2	2	34	.07	.01	8	17	.16	33	.17	2	.80	.01	.02	1	4
BL 1+00E 0+40SB	1	12	13	19	.2	8	1	72	1.08	3	5	ND	3	5	1	2	2	39	.10	.01	9	24	.14	42	.11	2	.91	.01	.02	1	2
BL 1+00E 0+50SB	1	5	8	24	.2	4	1	74	1.17	2	5	ND	4	13	1	2	2	27	.14	.01	5	14	.13	19	.20	2	.35	.01	.03	1	3
BL 1+00E 0+60SB	1	3	8	19	.1	4	1	51	.78	2	5	ND	2	7	1	2	2	19	.09	.02	6	11	.10	24	.12	3	.40	.01	.02	1	1
BL 1+00E 0+70SB	1	9	12	44	.4	12	2	187	1.70	2	5	ND	14	9	1	2	2	32	.12	.03	7	21	.32	36	.19	3	.77	.01	.09	1	3
BL 1+00E 0+80SB	1	8	10	38	.2	10	2	147	1.47	2	5	ND	6	9	1	2	2	27	.12	.02	8	18	.37	30	.18	3	.87	.01	.07	1	1
BL 1+00E 0+90SB	1	20	16	33	.3	8	2	73	1.27	9	5	ND	7	10	1	2	2	21	.10	.04	21	18	.12	71	.06	3	1.18	.01	.03	1	1
BL 1+00E 1+00SB	1	5	5	41	.2	7	1	140	1.62	4	5	ND	6	9	1	2	2	29	.11	.05	10	16	.31	39	.18	3	.95	.01	.04	1	4
BL 1+00E 1+10SB	1	5	5	21	.1	4	1	78	1.23	2	5	ND	3	6	1	2	2	25	.08	.04	7	12	.11	27	.12	2	.46	.01	.02	1	1
BL 1+00E 1+20SB	1	8	9	24	.1	8	1	93	2.05	6	5	ND	3	7	1	2	2	35	.11	.11	9	19	.22	25	.13	7	.72	.01	.01	1	5
BL 1+00E 1+30SB	1	19	6	33	.1	15	4	147	2.56	4	5	ND	4	10	1	2	2	34	.14	.05	13	25	.32	34	.15	4	1.78	.01	.03	1	2
BL 1+00E 1+40SB	1	4	6	13	.2	4	1	50	.82	7	5	ND	3	6	1	2	2	22	.07	.01	6	11	.12	15	.12	2	.40	.01	.03	1	1
BL 1+00E 1+50SB	1	5	8	19	.1	5	1	55	1.24	2	5	ND	4	7	1	2	2	26	.09	.01	7	14	.16	14	.13	2	.59	.01	.02	1	1
BL 1+00E 1+60SB	1	2	7	13	.1	3	1	49	.65	2	5	ND	1	6	1	2	2	17	.07	.01	6	9	.12	24	.11	2	.39	.01	.03	1	3
BL 1+00E 1+70SB	1	4	8	17	.1	4	1	44	1.04	2	5	ND	1	7	1	2	2	25	.06	.01	8	14	.10	18	.10	4	.55	.01	.02	1	2
BL 1+00E 1+80SB	1	3	10	16	.2	4	1	63	.93	2	5	ND	6	8	1	3	2	28	.10	.01	11	13	.13	16	.14	3	.46	.01	.04	1	6
BL 1+00E 1+90SB	1	6	14	27	.3	9	2	104	1.55	3	5	ND	6	9	1	2	2	33	.13	.01	8	18	.30	26	.17	3	.99	.01	.04	1	3
BL 1+00E 2+00SB	1	18	13	40	.5	20	7	278	2.82	2	5	ND	13	26	1	2	2	37	1.34	.05	39	28	.48	80	.15	5	1.99	.01	.04	1	4
BL 5+00E 0+50NA	1	26	13	59	.1	22	6	571	1.39	23	5	ND	4	43	1	2	2	19	3.28	.07	33	22	.24	99	.06	5	1.24	.01	.02	1	2
BL 5+00E 0+40NA	1	19	10	27	.3	11	5	6050	.39	2	5	ND	2	36	1	2	2	4	5.27	.10	5	6	.09	89	.01	10	.41	.01	.01	1	1
BL 5+00E 0+30NB	1	5	5	18	.2	6	1	93	.97	2	5	ND	2	7	1	2	2	25	.10	.01	6	15	.18	17	.12	5	.60	.01	.04	1	2
BL 5+00E 0+20NB	1	5	7	20	.2	7	1	94	1.20	5	5	ND	4	8	1	2	2	32	.11	.01	8	16	.22	17	.14	4	.63	.01	.03	1	1
BL 5+00E 0+10NB	1	5	5	18	.1	5	1	80	1.03	2	5	ND	2	9	1	2	2	28	.11	.01	7	15	.19	16	.12	4	.53	.01	.01	1	4
BL 5+00E 0+00NB	1	3	7	16	.1	4	1	72	1.04	3	5	ND	1	7	1	2	2	29	.10	.01	6	14	.15	13	.15	2	.39	.01	.02	1	1
BL 5+00E 0+10SB	1	5	7	25	.1	9	1	95	1.32	2	5	ND	1	7	1	2	2	32	.08	.02	8	24	.21	20	.14	2	.62	.01	.03	1	1
BL 5+00E 0+20SB	1	4	10	16	.1	5	1	64	1.57	3	5	ND	3	6	1	2	2	51	.08	.02	7	19	.13	9	.16	2	.49	.01	.01	1	1
BL 5+00E 0+30SB	1	11	8	26	.1	13	2	114	2.75	2	5	ND	3	7	1	2	2	59	.10	.03	5	38	.34	19	.17	3	.96	.01	.03	1	3
BL 5+00E 0+40SB	1	13	10	39	.1	16	2	132	3.04	7	5	ND	3	8	1	2	2	57	.12	.03	6	28	.32	45	.19	4	1.32	.01	.04	1	6
STD C/FA-AU	20	62	39	136	2.2	68	28	1237	4.06	38	17	8	38	54	17	16	21	57	.48	.13	37	57	.88	184	.08	40	1.73	.06	.10	12	47

NORTHERN DYNASTY FILE # 85-2497

TABLE 1

SAMPLED	As	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	S	Al	Si	I	M	Ag+Pb
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
RL S+OE 0+50SD	1	8	10	33	.2	9	1	106	1.88	192	5	ND	5	5	1	2	2	44	.09	.02	5	20	.24	16	.12	2	.64	.01	.05	1	1
RL S+OE 0+60SD	1	33	32	32	.2	8	2	69	3.15	98	5	ND	7	5	1	2	2	73	.07	.03	12	39	.09	54	.04	2	2.07	.01	.02	1	1
RL S+OE 0+70SD	1	47	25	67	.2	11	3	121	2.34	68	5	ND	4	4	1	2	2	56	.10	.01	8	40	.19	31	.04	2	1.13	.01	.03	1	2
RL S+OE 0+80SD	1	7	14	31	.3	6	1	152	1.72	6	5	ND	7	3	1	2	2	46	.05	.01	3	26	.24	30	.25	2	.61	.01	.08	1	1
RL S+OE 0+90SD	1	8	12	38	.1	10	1	138	1.50	6	5	ND	7	7	1	2	3	34	.13	.01	7	15	.35	15	.19	2	.80	.01	.03	1	1
RL S+OE 1+00SD	1	29	17	41	.2	19	3	113	2.82	9	5	ND	10	7	1	2	3	44	.12	.04	11	31	.35	28	.15	2	1.81	.01	.04	1	1
RL S+OE 1+10SD	1	6	7	17	.1	5	1	52	1.03	2	5	ND	8	6	1	2	3	28	.09	.01	6	14	.13	18	.11	2	.49	.01	.02	1	1
RL S+OE 1+20SD	1	13	13	59	.1	33	6	219	2.46	7	5	ND	4	9	1	2	2	54	.12	.01	5	43	.95	32	.23	3	1.55	.01	.09	1	1
RL S+OE 1+30SA	1	37	13	37	.3	34	7	52	1.37	5	5	ND	4	14	1	3	2	33	.19	.05	8	5	.47	44	.07	2	1.64	.03	.04	1	1
RL S+OE 1+40SD	1	8	10	34	.3	18	1	139	1.30	38	5	ND	28	8	1	2	2	29	.14	.01	9	10	.45	32	.18	2	.91	.01	.14	1	2
RL S+OE 1+50SD	2	28	22	90	.1	72	22	213	6.62	114	5	ND	4	13	1	46	2	132	.26	.01	2	13	2.78	18	.18	2	4.87	.02	.13	1	1
RL S+OE 1+60SD	1	11	11	26	.1	18	4	138	1.77	15	5	ND	4	4	1	2	2	47	.07	.01	10	31	.77	17	.17	2	1.31	.01	.03	1	1
RL S+OE 1+70SA	1	52	22	29	.1	14	2	37	1.29	9	5	ND	4	15	1	2	2	14	.21	.06	26	15	.16	59	.05	2	1.84	.01	.04	1	1
RL S+OE 1+80SD	1	14	16	40	.1	22	7	144	1.99	13	5	ND	6	9	1	2	2	45	.17	.01	11	23	.50	28	.14	3	1.32	.01	.03	2	2
RL S+OE 1+90SA	1	59	10	25	.3	26	36	1402	2.92	34	5	ND	11	45	1	17	2	25	1.72	.23	104	25	.10	104	.02	5	2.40	.01	.01	1	1
RL S+OE 2+00SA	1	34	4	41	.4	28	8	1391	.91	11	5	ND	5	64	1	8	2	8	3.78	.15	30	11	.21	116	.01	8	1.21	.01	.02	1	1
RL 6+OE 0+50NA	1	14	4	29	.1	7	2	130	.58	15	5	ND	2	26	1	2	2	4	1.49	.04	6	3	.15	42	.02	3	.21	.01	.01	1	1
RL 6+OE 0+60SD	1	29	11	52	.3	36	14	430	2.17	167	5	ND	12	16	1	2	2	28	.49	.07	34	40	.39	67	.08	4	1.76	.01	.03	1	1
RL 6+OE 0+30ND	1	18	6	22	.1	14	3	181	1.29	15	5	ND	6	6	1	2	2	21	.13	.01	10	26	.28	13	.09	2	.89	.01	.02	1	3
RL 6+OE 0+20ND	1	5	7	21	.1	7	1	72	.77	8	5	ND	5	6	1	2	2	22	.11	.01	8	15	.19	16	.10	2	.64	.01	.02	1	1
RL 6+OE 0+10ND	1	14	20	43	.1	20	4	157	2.44	22	5	ND	5	7	1	2	2	51	.10	.01	9	43	.47	24	.15	4	1.42	.01	.02	1	1
RL 6+OE 0+08	1	6	11	25	.1	8	1	96	1.71	2	5	ND	4	6	1	2	2	47	.08	.01	6	16	.24	16	.15	2	.68	.01	.03	1	2
RL 6+OE 0+10SD	1	16	8	26	.1	13	2	100	2.23	2	5	ND	3	8	1	2	2	44	.11	.02	5	25	.30	20	.13	2	.87	.01	.04	1	1
RL 6+OE 0+20SD	1	20	9	32	.1	15	2	114	3.61	8	5	ND	4	8	1	2	2	127	.14	.01	6	33	.29	29	.16	4	1.38	.01	.04	1	1
RL 6+OE 0+30SD	1	7	11	24	.1	9	1	100	1.13	2	5	ND	5	7	1	2	2	38	.12	.01	6	16	.25	14	.16	2	.66	.01	.03	1	3
RL 6+OE 0+40SD	1	5	7	10	.1	4	1	38	.81	2	5	ND	4	7	1	2	2	22	.11	.01	9	11	.09	13	.09	3	.58	.01	.01	1	1
RL 6+OE 0+50SD	1	14	23	45	.1	15	4	237	3.08	18	5	ND	4	19	1	2	2	116	.22	.02	10	39	.72	32	.15	3	1.91	.03	.03	1	1
RL 6+OE 0+60SD	1	12	13	29	.1	5	1	108	2.82	10	5	ND	3	3	1	7	2	29	.04	.01	7	5	.05	14	.07	2	.34	.01	.01	1	1
RL 6+OE 0+70SD	1	195	98	76	28.6	12	1	46	34.05	262	5	ND	14	2	1	61	12	47	.82	.08	10	41	.12	24	.02	7	1.84	.01	.02	1	14
RL 6+OE 0+80SA	1	19	13	22	.1	11	1	69	1.49	38	5	ND	2	4	1	2	2	27	.06	.03	4	13	.12	35	.04	2	.73	.01	.04	1	1
RL 6+OE 0+90SD	1	14	15	53	.1	23	3	175	2.70	11	5	ND	4	9	1	2	2	71	.09	.02	9	47	.51	34	.18	6	1.62	.01	.04	1	1
RL 6+OE 1+00SD	1	17	22	68	.1	54	9	229	4.37	49	5	ND	1	6	1	8	2	112	.10	.01	6	34	2.07	27	.21	4	3.27	.01	.02	1	12
RL 6+OE 1+10SD	1	8	13	21	.1	8	1	54	1.84	37	5	ND	4	5	1	2	2	47	.07	.01	6	15	.15	11	.10	3	.63	.01	.02	1	1
RL 6+OE 1+20SA	1	34	30	78	.1	16	2	35	.53	120	5	ND	1	18	1	5	2	7	.15	.05	12	5	.03	122	.01	3	.32	.01	.03	1	1
RL 6+OE 1+30SD	1	4	11	13	.1	5	1	61	.46	24	5	ND	4	5	1	2	2	16	.07	.01	6	11	.11	10	.06	3	.40	.01	.01	1	1
RL 6+OE 1+40SD	1	46	28	83	.1	55	19	227	4.44	45	5	ND	12	8	1	13	2	56	.18	.03	15	81	.57	23	.10	4	3.77	.03	.02	1	2
STD C/FA-88	20	60	39	134	7.1	70	27	1206	3.99	38	18	7	37	52	17	15	21	58	.48	.13	60	58	.88	179	.08	40	1.72	.06	.11	12	49

SAMPLE#	Mo	Cu	Pb	Zn	As	Ni	Co	Mn	Fe	Ag	U	Au	Hg	Sr	Ca	Sb	Bi	V	Cr	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au+P
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
RL 6+00E 1+50SA	1	30	13	24	.1	20	10	368	1.24	9	5	ND	7	59	1	9	2	6	3.22	.16	84	12	13	112	.01	6	1.36	.01	.01	1	1
RL 6+00E 1+60SA	4	53	11	34	.4	33	10	5004	1.53	51	5	ND	8	50	1	14	2	14	3.85	.18	71	16	16	184	.01	6	1.47	.01	.01	1	4
RL 6+00E 1+70SA	3	34	8	37	.1	19	10	4791	.79	106	5	ND	4	46	1	9	2	8	3.72	.09	29	10	17	101	.01	7	.96	.01	.01	1	6
RL 6+00E 1+80SA	2	17	11	47	.1	13	6	4143	.78	65	5	ND	1	40	1	10	2	3	3.34	.09	4	2	18	133	.01	14	.24	.01	.02	1	1
RL 6+00E 1+90SA	1	78	10	53	.1	32	12	3198	2.01	210	5	ND	7	50	1	21	2	18	3.62	.13	52	14	17	136	.01	8	1.32	.01	.01	1	1
RL 6+00E 2+00SA	17	30	14	94	.1	65	20	34170	3.49	424	5	ND	7	58	1	35	2	15	4.18	.15	21	7	19	751	.01	11	.52	.01	.01	1	4
RL 7+00E 0+40ND	1	7	3	10	.1	8	1	240	.64	5	5	ND	2	6	1	2	2	12	.13	.01	8	12	11	13	.06	2	.38	.01	.01	1	1
RL 7+00E 0+50ND	1	2	5	9	.1	1	1	70	.29	2	5	ND	4	4	1	2	2	10	.05	.01	7	5	63	11	.04	2	.18	.01	.01	1	1
RL 7+00E 0+40ND	1	6	9	31	.1	12	2	174	1.07	5	5	ND	7	8	1	2	2	33	.14	.01	14	19	25	24	.10	3	.77	.01	.02	1	2
RL 7+00E 0+30ND	1	46	14	61	.1	54	16	439	2.85	41	5	ND	7	22	1	2	2	62	.57	.03	22	87	57	70	.11	2	3.68	.11	.02	1	3
RL 7+00E 2+20ND	1	10	3	23	.1	16	4	99	1.15	3	5	ND	4	9	1	3	2	23	.22	.02	10	21	25	46	.08	2	.89	.01	.02	1	5
RL 7+00E 0+10ND	1	7	5	20	.1	9	2	99	1.33	2	5	ND	4	7	1	2	2	34	.14	.01	7	21	23	31	.09	2	1.09	.01	.02	1	9
RL 7+00E 0+00B	1	14	8	26	.1	17	5	80	1.43	6	5	ND	5	8	1	2	2	30	.21	.01	20	30	26	34	.08	2	1.38	.01	.02	1	5
RL 7+00E 0+10SA	1	20	13	28	.2	10	3	69	.79	4	5	ND	3	13	1	2	2	22	.24	.04	8	11	15	73	.07	2	.52	.02	.06	1	1
RL 7+00E 0+20SA	1	41	23	38	.1	34	15	505	1.62	8	5	ND	3	33	1	2	2	40	1.43	.04	25	55	39	139	.06	4	1.74	.04	.05	1	1
RL 7+00E 0+30SA	1	37	12	35	.2	19	5	64	1.20	2	5	ND	6	46	1	3	2	14	1.60	.06	43	14	22	110	.04	3	1.33	.01	.02	1	1
RL 7+00E 0+40SA	1	26	12	42	.1	14	4	27	.84	6	5	ND	3	29	1	2	2	7	.62	.08	17	9	67	74	.02	3	.87	.01	.04	1	4
RL 7+00E 0+50SD	1	8	8	27	.1	18	4	88	1.70	17	5	ND	3	7	1	2	3	52	.13	.01	5	43	33	32	.09	2	1.17	.01	.02	1	2
RL 7+00E 0+60SD	1	29	20	34	.1	24	5	190	3.51	26	5	ND	3	7	1	2	2	84	.20	.04	5	54	32	61	.12	2	2.24	.03	.04	1	4
RL 7+00E 0+70SD	1	8	18	60	.1	11	2	125	1.85	26	5	ND	4	4	1	2	2	72	.08	.01	5	36	34	27	.13	2	1.24	.01	.03	1	5
RL 7+00E 0+80SA	1	102	39	49	.1	21	2	34	.43	4	5	ND	5	16	1	2	2	5	.18	.07	17	7	63	109	.01	2	.61	.01	.05	1	1
RL 7+00E 0+90SA	1	25	11	52	.1	24	4	64	1.26	11	5	ND	1	13	1	2	2	33	.16	.04	3	19	16	97	.03	2	.70	.01	.05	1	4
RL 7+00E 1+00SD	1	31	29	56	.1	16	8	245	2.04	13	5	ND	12	10	1	2	2	59	.15	.02	11	28	37	71	.11	2	1.59	.01	.05	1	9
RL 7+00E 1+10SD	1	7	8	31	.1	11	3	115	1.83	5	5	ND	3	6	1	2	2	27	.11	.01	7	25	33	19	.09	2	.77	.01	.02	1	3
RL 7+00E 1+20SD	1	4	8	15	.1	4	1	54	.81	4	5	ND	4	6	1	2	2	23	.09	.01	6	12	12	16	.07	2	.44	.01	.03	1	1
RL 7+00E 1+30SD	1	15	12	15	.1	39	7	160	2.00	15	5	ND	3	4	1	2	3	38	.07	.01	5	173	70	11	.11	2	1.20	.01	.01	1	3
RL 7+00E 1+40SD	1	6	12	23	.1	9	2	104	1.75	5	5	ND	4	10	1	2	2	30	.12	.01	11	21	28	24	.09	5	.94	.01	.04	1	1
RL 7+00E 1+50SD	1	4	9	22	.1	9	2	84	1.10	15	5	ND	4	7	1	2	2	28	.10	.01	8	19	23	17	.08	2	.61	.01	.04	1	5
RL 7+00E 1+60SD	1	3	6	15	.1	3	1	54	.69	3	5	ND	3	5	1	2	2	19	.07	.01	6	11	13	13	.08	2	.40	.01	.04	1	2
RL 7+00E 1+70SD	1	9	13	24	.1	12	3	84	2.53	8	5	ND	7	7	1	2	2	39	.11	.02	12	27	27	25	.10	2	1.35	.01	.04	1	1
RL 7+00E 1+80SA	1	27	15	38	.3	15	4	31	.84	2	5	ND	3	66	1	2	2	7	2.43	.09	14	11	66	110	.01	3	.75	.01	.05	1	1
RL 7+00E 1+90SA	1	14	7	18	.5	7	7	620	.60	3	5	ND	2	47	1	2	2	9	4.23	.10	6	11	11	83	.01	6	.63	.01	.02	1	1
RL 7+00E 2+00SA	1	17	5	34	.4	8	1	83	.33	2	5	ND	2	55	1	3	2	7	5.94	.08	6	7	31	64	.01	10	.43	.01	.01	1	1
RL 8+00E 0+90ND	1	25	21	34	.1	14	3	87	.68	4	5	ND	2	25	1	2	2	17	1.99	.05	7	9	15	94	.02	3	.56	.02	.03	1	4
RL 8+00E 0+80ND	1	20	14	28	.1	15	3	131	2.88	15	5	ND	4	7	1	2	2	62	.15	.01	8	30	35	18	.15	2	1.19	.01	.03	1	2
RL 8+00E 0+70ND	5	41	26	43	.3	27	9	1509	12.92	34	5	ND	3	4	1	2	3	96	.29	.03	5	57	63	57	.15	4	1.84	.03	.06	1	2
STD C/P8-AU	21	59	48	157	7.1	67	27	1189	4.00	41	17	8	37	51	17	15	21	61	.48	.13	39	58	88	175	.08	38	1.72	.04	.11	12	51

NORTHERN DYNASTY FILE # B5-2497

PAGE 5

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	Al	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Z	Al	Na	K	M	As	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	2	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	1	1	1	1	1	1	1
BL 0+00E 0+10M3	1	31	15	18	.1	13	2	90	1.44	188	5	ND	3	6	1	2	2	33	.15	.02	9	32	.21	57	.05	2	1.11	.01	.03	1	2	
BL 0+00E 0+50M3	1	18	14	41	.2	24	3	155	4.44	607	5	ND	6	6	1	2	2	64	.13	.03	11	58	.32	37	.08	4	2.42	.01	.03	1	2	
BL 0+00E 0+10M3	1	11	18	37	.1	17	2	201	2.39	13	5	ND	2	4	1	3	3	67	.08	.07	6	62	.23	64	.11	2	1.19	.01	.04	1	1	
BL 0+00E 0+30M3	1	47	19	49	.4	55	23	207	4.17	19	5	ND	5	38	1	5	2	131	.72	.01	8	162	.95	50	.15	3	4.85	.25	.03	1	1	
BL 0+00E 0+20M3	1	7	9	21	.1	13	3	84	1.04	2	5	ND	2	5	1	2	2	37	.13	.01	5	33	.28	23	.10	2	.85	.03	.02	1	4	
BL 0+00E 0+10M3	3	27	32	25	.3	22	3	54	7.27	65	5	ND	12	6	1	4	2	133	.09	.04	16	120	.19	26	.09	3	7.00	.01	.04	1	2	
BL 0+00E 0+00B	2	41	22	49	.1	43	11	143	5.44	92	5	ND	6	5	1	3	2	143	.14	.03	8	211	.98	59	.14	4	5.24	.02	.04	1	1	
BL 0+00E 0+10S3	1	23	16	30	.1	16	4	136	4.48	34	5	ND	1	4	1	3	2	168	.18	.01	5	78	.29	31	.14	3	1.77	.02	.03	1	2	
BL 0+00E 0+20S3	1	21	19	44	.3	31	9	133	4.32	58	5	ND	5	11	1	4	2	144	.23	.02	6	104	.19	48	.18	4	2.91	.05	.07	1	1	
BL 0+00E 0+30S3	1	24	18	52	.3	45	17	127	4.34	55	5	ND	5	21	1	2	2	114	.42	.02	9	82	.45	58	.14	3	3.68	.07	.05	1	1	
BL 0+00E 0+10SA	1	10	5	17	.1	14	2	76	.69	3	5	ND	1	7	1	2	2	18	.19	.02	3	24	.17	23	.04	2	.60	.03	.04	1	1	
BL 0+00E 0+30S3	2	33	15	62	.3	59	15	146	4.95	201	5	ND	7	13	1	2	2	109	.22	.02	9	127	.64	50	.14	3	3.61	.03	.04	1	3	
BL 0+00E 0+40S3	1	25	22	52	.1	24	5	196	4.68	49	5	ND	2	5	1	4	2	118	.21	.03	8	42	.28	45	.11	2	2.19	.01	.04	1	2	
BL 0+00E 0+70S3	1	6	3	19	.1	17	3	154	1.52	5	5	ND	3	3	1	2	3	36	.11	.01	19	46	.82	38	.17	2	1.09	.01	.02	1	3	
BL 0+00E 0+80S3	1	9	5	20	.1	10	2	84	1.22	11	5	ND	4	5	1	2	2	32	.09	.02	6	22	.19	26	.07	3	.56	.01	.05	1	2	
BL 0+00E 0+90S3	1	13	8	27	.1	18	3	104	1.24	10	5	ND	3	6	1	2	2	34	.11	.01	7	38	.31	36	.09	3	1.05	.01	.04	1	1	
BL 0+00E 1+00S3	1	45	18	44	.1	62	15	363	3.79	97	5	ND	16	14	1	2	3	55	.36	.05	45	71	.34	49	.10	4	4.00	.05	.04	1	1	
BL 0+00E 1+10SA	1	47	10	36	.3	46	13	234	1.58	12	3	ND	9	49	1	2	2	12	1.91	.17	141	25	.13	129	.02	4	2.35	.01	.04	1	2	
BL 0+00E 1+20SA	1	45	5	21	.1	25	3	31	.93	7	5	ND	4	39	1	2	2	7	.90	.09	43	15	.08	83	.02	2	.96	.01	.05	1	6	
BL 0+00E 1+30S3	1	4	4	13	.1	5	1	38	.45	2	5	ND	1	6	1	2	2	18	.11	.01	7	9	.18	18	.06	4	.33	.01	.01	1	1	
BL 0+00E 1+40SA	1	24	4	24	.2	18	16	415	2.24	16	5	ND	7	33	1	2	2	26	2.31	.20	81	21	.15	116	.01	5	1.71	.01	.01	1	2	
BL 0+00E 1+50S3	1	15	5	30	.1	19	4	101	1.21	8	5	ND	3	13	1	2	2	17	.42	.07	20	21	.27	46	.05	3	1.15	.01	.03	1	11	
BL 0+00E 1+60S3	1	17	11	42	.1	15	4	131	3.31	9	5	ND	4	9	1	2	2	74	.20	.03	10	28	.43	43	.14	3	1.72	.01	.07	1	6	
BL 0+00E 1+70S3	1	10	5	32	.1	10	3	93	2.41	10	5	ND	5	7	1	4	2	63	.14	.01	8	16	.39	26	.14	3	1.29	.01	.04	1	2	
BL 0+00E 1+80S3	1	6	6	16	.1	8	1	63	1.93	9	5	ND	3	5	1	2	2	36	.09	.02	7	17	.18	11	.11	3	.77	.01	.03	1	3	
BL 0+00E 1+90S3	1	5	4	17	.1	10	1	53	1.63	4	5	ND	3	8	1	2	2	30	.21	.02	10	29	.11	20	.09	3	1.01	.01	.03	1	1	
BL 0+00E 2+00SA	1	18	3	23	.1	9	3	235	.62	2	5	ND	1	52	1	2	2	6	5.54	.11	8	12	.31	75	.01	9	.71	.01	.01	2	3	
BL 0+00E 1+00M3	1	68	21	186	.3	78	25	1222	4.91	4	5	ND	8	9	1	2	4	128	.70	.04	16	87	.57	66	.13	5	3.39	.05	.04	1	2	
BL 0+00E 0+10M3	1	39	11	69	.4	29	5	154	6.79	6	5	ND	6	3	1	2	4	86	.12	.04	6	82	.65	17	.14	2	1.28	.01	.04	1	1	
BL 0+00E 0+10M3	1	25	12	56	.6	37	7	195	5.86	16	5	ND	6	7	1	2	2	81	.11	.03	7	89	.74	29	.12	2	2.68	.01	.03	1	3	
BL 0+00E 0+70M3	1	25	14	69	.2	37	14	346	3.58	47	5	ND	4	13	1	2	2	97	.34	.04	8	93	.37	49	.09	3	2.33	.04	.04	1	2	
BL 0+00E 0+60M3	1	20	18	66	.2	46	18	573	5.12	41	5	ND	7	25	1	2	2	119	.66	.03	11	165	.68	112	.19	3	4.95	.04	.08	1	3	
BL 0+00E 0+50M3	1	40	25	47	.1	45	12	167	5.73	71	5	ND	6	9	1	2	4	97	.27	.03	16	64	.31	49	.17	3	2.78	.02	.04	1	1	
BL 0+00E 0+30M3	1	11	11	24	.2	15	3	120	2.63	8	5	ND	3	4	1	2	2	86	.11	.01	3	48	.31	38	.13	2	1.16	.02	.04	1	2	
BL 0+00E 0+20M3	2	11	22	61	.4	38	8	167	6.17	237	5	ND	11	5	1	4	4	77	.10	.03	16	83	.32	35	.13	4	3.63	.01	.05	1	1	
BL 0+00E 0+10M3	1	29	14	53	.3	33	7	132	3.71	19	5	ND	4	6	1	2	3	93	.18	.05	9	53	.32	80	.09	3	2.65	.02	.05	1	3	
STD E/PA-AU	20	58	38	136	7.2	70	25	1112	3.93	38	16	7	36	48	17	15	20	57	.48	.14	36	56	.86	172	.07	38	1.72	.05	.13	12	50	

NORTHERN DYNASTY FILE # 85-2497

SAMPLE#	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tl PPM	Sr PPM	Cd PPM	Sb PPM	Zi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Au11 PPM
BL 9+00E 0+000	1	34	17	57	.2	19	6	185	4.63	21	5	ND	6	9	1	2	2	149	.21	.04	11	69	.37	61	.16	4	3.04	.04	.04	1	1
BL 9+00E 0+1000	3	23	21	73	.3	32	9	133	4.00	52	5	ND	5	6	1	2	5	123	.11	.01	12	70	.20	76	.09	2	2.41	.01	.04	1	2
BL 9+00E 0+2000	2	32	19	67	.3	62	12	103	5.25	71	5	ND	10	7	1	2	6	128	.13	.03	13	128	.43	49	.11	2	4.39	.02	.04	1	1
BL 9+00E 0+3000	1	29	13	67	.2	72	13	134	3.92	53	5	ND	8	9	1	6	3	137	.16	.02	7	141	.44	51	.16	2	3.32	.05	.03	1	1
BL 9+00E 0+3000A	1	11	12	51	.1	19	4	140	2.50	20	5	ND	3	8	1	2	2	109	.15	.01	6	46	.43	31	.20	2	1.28	.02	.04	1	2
BL 9+00E 0+4000	2	42	13	77	.4	40	11	257	3.99	90	5	ND	5	10	1	2	3	125	.24	.04	9	129	.36	67	.07	2	2.32	.02	.04	1	3
BL 9+00E 0+5000	1	61	17	65	.1	61	31	358	3.25	26	5	ND	6	19	1	2	2	71	.48	.04	22	73	.46	122	.10	2	3.23	.06	.03	1	2
BL 9+00E 0+6000	1	11	8	34	.3	18	3	85	1.74	24	5	ND	6	7	1	2	2	70	.13	.01	7	51	.27	27	.13	2	.99	.01	.04	1	1
BL 9+00E 0+7000	1	16	10	44	.1	21	4	122	2.00	16	5	ND	6	9	1	2	2	49	.13	.02	10	49	.36	33	.12	2	1.77	.01	.05	1	1
BL 9+00E 0+8000	1	29	12	62	.2	26	5	181	2.42	20	5	ND	5	13	1	2	4	64	.18	.03	10	35	.51	51	.16	5	1.57	.01	.09	1	2
BL 9+00E 0+9000	1	16	10	36	.2	39	6	198	2.05	8	5	ND	4	8	1	4	2	59	.20	.01	7	83	.57	42	.14	3	1.55	.01	.07	1	1
BL 9+00E 1+0000	1	29	11	33	.3	28	2	177	3.26	11	5	ND	9	7	1	2	6	140	.09	.03	9	75	.46	42	.38	4	.77	.06	.10	1	2
BL 9+00E 1+1000	1	6	8	30	.1	8	2	120	1.29	4	5	ND	5	8	1	2	2	33	.11	.02	8	18	.21	26	.10	2	.75	.01	.05	1	4
BL 9+00E 1+2000	1	11	5	29	.1	15	3	117	1.69	4	5	ND	4	9	1	2	2	37	.15	.02	7	19	.38	21	.11	2	.94	.01	.05	1	2
BL 9+00E 1+3000	1	18	8	36	.1	29	7	133	2.97	15	5	ND	7	10	1	6	2	58	.22	.02	10	32	.46	42	.13	3	1.73	.02	.05	1	1
BL 9+00E 1+4000	1	52	9	29	.4	31	10	171	1.89	9	5	ND	7	69	1	2	2	23	2.51	.11	38	11	.70	180	.03	3	1.64	.01	.05	1	1
BL 9+00E 1+5000	1	36	13	52	.1	35	39	2373	2.40	16	5	ND	5	68	1	4	2	31	3.82	.18	36	24	.29	174	.03	7	1.96	.01	.03	1	1
BL 9+00E 1+6000	1	15	3	58	.1	11	3	240	.30	2	5	ND	2	56	1	4	2	3	4.75	.08	6	3	.22	87	.01	10	.38	.01	.02	1	10
BL 9+00E 1+7000	1	93	4	34	.1	27	9	150	1.24	24	5	ND	6	23	1	2	2	24	1.95	.07	42	33	.34	74	.04	4	1.47	.01	.03	1	4
BL 9+00E 1+8000	2	26	4	53	.1	20	3	4896	.36	5	6	ND	1	65	1	5	2	5	5.94	.09	6	8	.24	162	.01	11	.55	.01	.02	1	1
BL 9+00E 1+9000	7	21	7	83	.2	41	3	16303	.30	8	6	ND	2	60	1	11	2	6	5.56	.12	3	6	.25	285	.01	13	.41	.01	.03	1	1
BL 9+00E 2+0000	1	19	2	69	.1	15	1	546	.19	2	5	ND	1	59	1	8	2	4	5.58	.10	2	3	.23	71	.01	11	.26	.01	.01	1	4
BL 10+00E 1+5000A	1	11	2	48	.1	9	1	304	.14	2	5	ND	1	54	1	6	2	2	5.15	.08	2	1	.22	53	.01	13	.15	.01	.01	1	6
BL 10+00E 1+1000A	1	29	12	29	.1	7	2	84	.39	2	5	ND	1	7	1	2	2	12	.25	.06	2	15	.12	39	.01	3	.32	.01	.02	1	4
BL 10+00E 1+3000	1	6	4	16	.1	4	1	42	.88	3	5	ND	3	5	1	2	2	28	.10	.01	7	12	.09	23	.05	3	.49	.01	.02	1	1
BL 10+00E 1+2000	1	8	4	21	.1	3	1	51	.56	2	5	ND	2	5	1	2	2	21	.12	.02	7	12	.11	22	.06	2	.53	.01	.02	1	3
BL 10+00E 1+1000	1	4	5	14	.1	3	1	43	.52	2	5	ND	6	6	1	2	2	31	.09	.01	8	13	.12	14	.11	2	.55	.01	.01	1	2
BL 10+00E 1+0000	1	18	5	26	.1	21	4	100	1.86	9	5	ND	6	7	1	2	2	33	.12	.01	10	30	.27	24	.10	2	1.60	.01	.03	1	1
BL 10+00E 0+9000	1	18	3	16	.1	3	1	228	.71	2	5	ND	1	3	1	2	3	21	.11	.01	4	9	.07	25	.08	3	.45	.01	.01	1	3
BL 10+00E 0+8000	1	6	6	36	.1	5	3	239	.99	4	5	ND	1	3	1	2	2	35	.20	.01	4	16	.21	22	.10	3	.63	.02	.02	1	12
BL 10+00E 0+7000	1	7	12	23	.1	7	1	68	2.16	32	5	ND	3	6	1	2	2	86	.07	.01	8	25	.20	20	.16	4	.90	.01	.02	1	2
BL 10+00E 0+6000	1	19	9	29	.2	28	11	199	3.12	63	5	ND	4	8	1	2	2	112	.27	.01	5	104	.89	36	.15	2	2.16	.05	.04	1	3
BL 10+00E 0+5000	1	11	13	32	.1	9	2	143	4.02	32	5	ND	4	3	1	2	2	134	.16	.01	4	60	.19	32	.09	2	1.55	.02	.03	1	2
BL 10+00E 0+4000	1	18	13	32	.1	10	2	121	3.94	139	5	ND	2	3	1	2	2	117	.08	.01	5	46	.16	32	.10	2	1.44	.01	.01	1	3
BL 10+00E 0+3000	2	80	24	40	.1	46	14	134	7.46	117	5	ND	6	7	1	2	6	227	.11	.11	13	228	.64	84	.20	6	5.00	.02	.05	1	5
BL 10+00E 0+3000A	2	26	19	34	.1	23	5	238	7.50	51	5	ND	4	5	1	2	2	155	.12	.03	6	91	.25	58	.06	2	2.13	.01	.02	1	3
STD C7FA-AU	21	58	38	134	6.9	69	26	1152	3.99	41	18	8	36	50	17	15	21	58	.48	.13	37	57	.88	172	.07	38	1.72	.06	.10	12	52

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NORTHERN DYNASTY FILE # 85-2497

PAGE 7

SAMPLES	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	M	Ag**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
BL 10+00E 0+20ND	2	19	17	55	.1	60	9	166	4.72	21	5	ND	7	11	1	2	2	115	.21	.03	12	124	.49	79	.15	7	3.44	.03	.06	1	1
BL 10+00E 0+30ND	5	16	25	58	.1	17	3	79	4.96	19	5	ND	6	4	1	2	2	8	.04	.03	14	57	.19	46	.05	6	2.79	.01	.03	1	1
BL 10+00E 0+000	1	30	40	38	.1	39	6	73	4.81	14	5	ND	6	5	1	4	2	87	.09	.03	15	78	.21	90	.13	6	2.63	.02	.04	1	2
BL 10+00E 0+10SD	1	14	16	51	.1	36	5	120	2.74	18	6	ND	6	6	1	2	2	81	.10	.03	9	71	.28	80	.10	4	2.22	.02	.04	1	1
BL 10+00E 0+20SD	1	12	14	33	.1	24	4	129	2.65	30	5	ND	3	3	1	2	2	113	.15	.02	7	128	.25	29	.06	4	1.61	.01	.02	1	1
BL 10+00E 0+40SD	1	24	14	52	.1	39	11	132	2.99	16	5	ND	5	9	1	2	2	6	.25	.01	11	34	.21	117	.05	4	2.99	.02	.02	1	2
BL 10+00E 0+50SD	3	21	16	33	.1	9	1	30	2.95	22	5	ND	3	3	1	2	2	59	.04	.02	8	35	.17	31	.02	4	1.33	.01	.02	1	2
BL 10+00E 0+60SD	1	49	22	49	.1	11	2	75	5.77	68	5	ND	12	4	1	2	3	49	.05	.07	20	90	.18	21	.08	10	5.41	.01	.02	1	5
BL 10+00E 0+70SA	1	22	12	19	.4	6	1	33	.44	5	22	ND	3	5	1	2	2	7	.04	.04	8	11	.04	31	.01	2	.43	.01	.04	1	2
BL 10+00E 0+80SA	1	19	3	45	.2	18	5	74	.49	5	5	ND	1	46	1	2	2	3	3.63	.10	11	7	.12	62	.01	7	.47	.01	.01	1	4
BL 10+00E 0+90SA	1	14	3	45	.3	14	1	26	.50	4	5	ND	1	48	1	3	2	3	3.51	.07	11	2	.11	68	.01	7	.52	.01	.02	1	1
BL 10+00E 1+00SA	1	24	12	17	.3	16	2	20	.76	7	5	ND	1	34	1	2	2	7	1.44	.10	14	9	.09	67	.01	4	.69	.01	.02	1	1
BL 10+00E 1+10SA	1	12	21	50	.1	5	1	17	.40	5	5	ND	3	10	1	3	2	3	.16	.04	19	5	.02	39	.01	3	.58	.01	.04	1	1
BL 10+00E 1+20SA	3	34	8	48	.3	23	13	4604	1.65	76	5	ND	4	48	1	2	2	19	3.20	.25	51	26	.15	135	.01	9	1.40	.01	.02	1	2
BL 10+00E 1+30SA	5	14	12	75	.1	11	1	12151	4.06	154	5	ND	1	55	1	2	2	30	4.32	.13	12	3	.15	374	.01	16	.50	.01	.01	1	4
BL 10+00E 1+40SA	1	22	2	48	.3	12	1	331	.35	3	5	ND	1	42	1	2	2	6	4.93	.07	5	1	.16	53	.01	11	.28	.01	.02	2	6
BL 10+00E 1+50SA	1	14	2	72	.6	6	1	61	.26	2	5	ND	1	42	1	2	2	3	3.68	.07	5	2	.14	47	.01	6	.27	.01	.02	1	4
BL 10+00E 1+60SD	1	9	10	21	.4	14	3	50	.89	3	11	ND	5	7	1	2	4	31	.13	.01	8	7	.33	27	.10	3	.74	.01	.09	1	2
BL 10+00E 1+70SD	1	5	5	13	.4	9	2	47	1.01	7	22	ND	6	8	1	2	2	25	.16	.01	7	16	.13	17	.08	3	.48	.01	.04	1	1
BL 10+00E 1+80SD	1	13	6	21	.1	17	4	101	1.50	25	5	ND	7	15	1	2	2	22	.66	.03	25	26	.21	41	.07	3	1.19	.01	.03	1	4
BL 10+00E 1+90SA	1	26	9	25	.4	23	4	117	1.11	41	5	ND	3	24	1	4	2	18	2.09	.04	12	19	.26	60	.05	5	.78	.01	.03	1	4
BL 10+00E 2+00SA	1	17	6	18	.2	13	2	59	1.01	13	5	ND	1	37	1	2	2	10	3.14	.08	18	15	.24	80	.02	7	1.04	.01	.03	1	4
BL 11+00E 2+40ND	5	20	23	33	6.7	24	9	119	1.44	22	353	ND	40	8	1	26	28	25	.25	.01	22	29	.31	31	.04	7	.78	.02	.27	13	3
BL 11+00E 2+30ND	3	43	10	34	.1	23	20	8896	1.61	30	7	ND	1	53	1	2	2	16	4.55	.14	37	15	.17	217	.01	9	1.21	.01	.02	1	4
BL 11+00E 2+20ND	1	19	4	58	.3	11	4	1659	.37	9	5	ND	1	46	1	2	2	5	4.66	.10	11	5	.16	99	.01	11	.57	.01	.01	1	4
BL 11+00E 2+10ND	1	13	20	65	.4	9	2	69	.45	4	11	ND	1	9	1	2	3	10	.22	.06	4	21	.11	39	.01	3	.60	.01	.04	1	4
BL 11+00E 2+00ND	1	6	8	14	.3	7	1	52	.91	7	9	ND	4	4	1	3	2	16	.08	.01	8	17	.12	8	.05	4	.75	.01	.02	1	1
BL 11+00E 1+90ND	1	24	14	44	.2	34	8	129	2.25	13	10	ND	6	7	1	2	4	34	.10	.01	11	37	.31	43	.08	5	1.64	.01	.05	1	1
BL 11+00E 1+80ND	1	23	20	73	.2	28	9	232	3.08	19	5	ND	6	7	1	2	5	60	.13	.02	10	34	.64	35	.10	6	2.39	.01	.03	1	1
BL 11+00E 1+70ND	1	9	11	35	.1	22	6	137	2.68	7	5	ND	6	9	1	2	2	41	.14	.04	9	31	.34	48	.10	7	1.69	.01	.04	1	1
BL 11+00E 1+60ND	1	8	12	35	.2	12	2	157	1.73	10	5	ND	5	6	1	2	6	43	.08	.01	8	31	.31	21	.08	4	.89	.01	.03	1	2
BL 11+00E 1+50ND	1	15	7	44	.2	25	6	143	2.55	9	6	ND	3	6	1	2	2	52	.13	.01	7	48	.31	30	.11	5	1.42	.01	.04	1	1
BL 11+00E 1+40ND	1	20	10	49	.1	24	7	114	1.82	12	5	ND	4	6	1	2	2	35	.24	.02	15	46	.25	24	.10	3	1.22	.01	.03	1	2
BL 11+00E 1+30ND	1	26	11	58	.1	28	6	127	1.46	14	5	ND	3	9	1	2	4	25	.28	.03	13	33	.33	30	.07	4	1.14	.01	.03	1	1
BL 11+00E 1+20ND	1	14	10	38	.3	15	2	72	2.39	19	9	ND	4	5	1	2	3	61	.07	.01	6	33	.36	15	.10	2	.96	.01	.03	1	2
BL 11+00E 1+10ND	1	105	23	49	.1	14	5	89	.98	6	5	ND	1	9	1	2	3	15	.26	.07	9	10	.11	45	.01	2	.68	.01	.04	1	1
STD C/TA-MS	20	59	40	139	7.1	69	27	1186	3.98	39	18	7	39	52	17	15	22	61	.48	.13	36	60	.88	177	.08	39	1.72	.06	.11	11	50

NORTHERN DYNASTY FILE # 85-2497

SAMPLE#	No PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Mn PPH	Co PPH	Ni PPH	Fe %	As PPH	U PPH	Au PPH	Tl PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Hg %	Ba PPH	Zi %	B PPH	Al %	Mo %	K %	M PPH	Au** PPH
BL 11+00E 1+00NA	1	43	1	37	.4	18	7	1560	.75	44	5	ND	4	44	1	2	2	8	6.17	.17	21	16	.11	104	.01	10	1.26	.01	.02	1	2
BL 11+00E 0+60SA	2	84	7	39	.7	41	12	719	1.21	15	5	ND	7	71	1	2	2	13	4.16	.21	75	22	.16	145	.01	6	1.43	.01	.03	1	2
BL 11+00E 0+70SA	1	42	6	31	.1	18	1	62	.17	4	5	ND	2	52	1	2	2	4	6.29	.09	7	3	.20	53	.01	15	.24	.01	.01	1	3
BL 11+00E 1+90SA	1	35	8	73	.4	20	1	56	.15	2	5	ND	1	52	1	2	2	9	5.89	.07	2	1	.19	38	.01	13	.19	.01	.01	1	1
BL 11+00E 0+11SA	2	35	7	43	.2	10	1	117	.13	2	5	ND	2	54	1	2	2	10	6.06	.08	2	5	.20	54	.01	13	.14	.01	.01	1	2
BL 11+00E 1+00SA	3	19	2	39	.5	9	1	44	.15	4	5	ND	3	57	1	5	2	4	6.36	.07	2	3	.23	58	.01	13	.17	.01	.02	2	1
BL 11+00E 1+10SA	3	7	4	40	.3	4	1	31	.12	2	5	ND	2	45	1	2	2	2	5.07	.08	2	3	.27	46	.01	13	.12	.01	.01	1	1
BL 11+00E 1+20SA	3	6	7	50	.4	5	1	65	.10	2	5	ND	3	45	1	2	2	2	5.07	.07	2	6	.29	45	.01	13	.10	.01	.02	2	6
BL 11+00E 1+30SA	2	7	2	38	.4	3	1	81	.14	2	5	ND	2	55	1	2	2	2	6.43	.06	2	3	.33	57	.01	12	.16	.01	.01	2	1
BL 11+00E 1+40SA	1	4	4	36	.2	6	1	6	.12	2	5	ND	2	40	1	3	2	2	4.02	.07	2	9	.35	29	.01	7	.16	.01	.01	1	2
BL 11+00E 1+50SB	1	2	5	16	.1	6	1	48	1.37	1	5	ND	10	6	1	2	2	48	.13	.01	11	21	.14	10	.14	3	.44	.01	.02	1	1
BL 11+00E 1+60SB	1	10	11	18	.2	9	1	65	1.60	7	5	ND	4	4	1	2	2	33	.08	.02	8	26	.19	11	.10	2	1.29	.01	.03	1	2
BL 11+00E 1+70SB	1	8	11	16	.1	12	2	46	1.45	8	5	ND	6	5	1	2	2	29	.09	.01	10	23	.20	14	.10	2	.96	.01	.02	1	7
BL 11+00E 1+80SB	1	11	9	25	.1	20	2	107	2.35	5	5	ND	6	7	1	2	2	48	.16	.03	9	31	.31	21	.14	2	1.31	.01	.03	1	1
BL 11+00E 1+90SB	1	7	4	12	.1	10	1	48	1.58	4	5	ND	9	5	1	2	2	37	.09	.01	14	21	.13	13	.09	2	.90	.01	.02	1	1
BL 11+00E 2+00SB	1	9	7	12	.2	13	2	60	.55	2	5	ND	9	6	1	2	2	15	.16	.03	15	16	.15	14	.06	2	.54	.01	.02	1	1
BL 11+00E 2+10SB	1	16	14	34	.3	9	1	125	6.75	8	5	ND	13	4	1	2	2	116	.19	.01	11	37	.27	16	.30	2	1.82	.01	.04	1	1
BL 11+00E 2+20SB	1	19	14	26	.1	27	4	104	3.40	9	5	ND	14	13	1	2	2	50	.85	.03	32	50	.22	35	.11	2	3.28	.01	.02	1	3
BL 11+00E 2+30SB	1	19	9	34	.3	33	7	207	2.67	12	5	ND	13	9	1	2	2	41	.26	.01	19	41	.41	48	.12	2	1.38	.01	.06	1	1
BL 11+00E 2+40SA	1	39	10	52	.4	27	4	40	.50	2	5	ND	4	42	1	2	2	4	2.23	.08	25	12	.20	40	.01	3	.45	.01	.03	1	2
BL 11+00E 2+50SA	1	79	4	26	.4	55	5	303	.70	9	5	ND	4	52	1	3	2	10	5.63	.14	37	17	.32	93	.01	10	.96	.01	.03	1	1
BL 11+00E 2+60SA	1	22	7	31	.3	17	1	8	.26	3	5	ND	2	43	1	2	2	3	4.54	.07	3	5	.29	57	.01	5	.34	.01	.01	1	3
BL 11+00E 2+70SA	1	39	2	26	.3	29	1	5	.28	2	5	ND	2	56	1	3	2	6	5.70	.08	5	5	.31	80	.01	8	.43	.01	.01	1	2
BL 11+00E 3+00SA	1	65	5	47	.3	44	1	394	.30	2	5	ND	3	72	1	2	2	4	6.48	.13	16	4	.31	111	.01	14	.59	.01	.01	1	2
BL 12+00E 3+00NA	1	34	38	159	.1	10	2	122	.41	5	5	ND	1	15	1	2	2	8	.21	.13	3	5	.07	108	.01	5	.45	.01	.06	1	1
BL 12+00E 2+90NB	1	134	13	54	.3	58	12	508	4.31	4507	5	ND	3	5	1	2	2	96	.23	.14	2	108	.68	23	.07	2	3.38	.03	.02	6	875
BL 12+00E 2+00NB	1	7	7	23	.2	12	1	76	1.81	64	5	ND	4	6	1	2	2	37	.08	.01	8	22	.22	17	.11	3	.87	.01	.04	1	1
BL 12+00E 2+70NB	1	9	8	35	.2	16	2	95	1.99	22	5	ND	5	5	1	2	2	46	.08	.02	7	24	.26	19	.12	2	.92	.01	.04	1	3
BL 12+00E 2+60NB	1	47	14	67	.2	40	7	233	3.75	15	5	ND	7	8	1	2	2	80	.12	.03	7	78	.65	45	.11	4	2.17	.01	.08	1	1
BL 12+00E 2+50NB	1	30	11	114	.1	35	11	317	1.91	235	5	ND	7	10	1	2	2	31	.32	.11	20	34	.45	34	.07	3	1.29	.01	.05	1	2
BL 12+00E 2+40NA	1	50	17	67	.4	27	34	2533	2.71	843	5	ND	6	17	1	2	2	39	2.79	.23	39	47	.15	100	.02	6	1.84	.01	.03	1	2
BL 12+00E 2+20NA	1	79	13	50	.4	23	21	739	2.04	399	5	ND	3	43	1	2	2	28	3.78	.25	58	39	.10	85	.02	8	2.35	.01	.03	1	1
BL 12+00E 2+10NB	1	7	7	29	.1	11	2	87	1.22	98	5	ND	4	7	1	2	2	35	.17	.01	8	21	.25	17	.10	3	.73	.01	.02	1	3
BL 12+00E 2+00NB	1	7	10	33	.1	12	3	123	1.18	23	5	ND	5	8	1	2	2	26	.17	.02	12	25	.34	18	.09	4	.82	.01	.03	1	1
BL 12+00E 1+90NB	1	4	5	26	.1	8	1	100	1.05	22	5	ND	4	6	1	2	2	29	.10	.01	9	20	.25	9	.09	2	.55	.01	.02	1	1
BL 12+00E 1+80NB	1	10	3	19	.3	14	2	68	.79	10	5	ND	5	5	1	2	2	14	.12	.02	8	19	.21	11	.05	2	.48	.01	.02	1	2
STD C/FA-AU	21	58	40	134	7.1	68	26	1151	3.98	37	17	8	37	50	17	15	22	59	.46	.14	38	59	.88	174	.07	40	1.72	.04	.12	12	49

NORTHERN DYNASTY FILE # 85-2497

PAGE 9

SAMPLE#	No	Ca	Pb	Zn	Ag	Al	Co	Mn	Fe	As	Zr	Ni	Ti	Sr	Cd	Sb	Bi	V	Cr	P	Li	Cr	Mg	Ba	Ti	B	Al	Ka	K	V	Ag	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
BL 12+00E 1+700B	1	21	7	42	.1	27	5	129	2.30	23	5	ND	5	9	1	2	2	38	.20	.02	7	43	.40	40	.10	2	1.72	.01	.02	1	3	
BL 12+00E 1+600B	1	15	6	36	.1	21	4	127	1.95	7	5	ND	6	9	1	2	2	38	.19	.02	7	32	.37	37	.10	3	1.41	.01	.02	1	2	
BL 12+00E 1+500B	1	16	9	44	.1	24	5	184	1.91	10	5	ND	4	8	1	2	2	40	.22	.01	5	34	.64	23	.15	2	1.29	.01	.01	1	3	
BL 12+00E 1+400B	1	14	8	48	.1	20	4	187	2.35	28	5	ND	8	8	1	2	2	47	.26	.01	7	32	.55	28	.17	2	1.54	.01	.02	1	2	
BL 12+00E 1+300B	1	33	12	43	.1	21	5	172	1.20	67	5	ND	6	9	1	2	2	45	.24	.01	7	29	.47	34	.14	2	1.56	.01	.01	1	2	
BL 12+00E 1+200B	1	18	10	67	.1	26	7	312	4.52	51	5	ND	7	8	1	2	2	76	.27	.01	4	46	.77	42	.24	2	2.00	.01	.02	1	1	
BL 12+00E 1+100A	1	38	23	75	.1	16	3	7	.70	2	5	ND	1	12	1	2	2	13	.32	.07	8	11	.11	108	.01	2	.60	.01	.03	1	2	
BL 12+00E 0+10SA	1	33	22	33	.1	23	2	4	.58	2	5	ND	1	8	1	2	2	13	.10	.04	6	42	.17	38	.63	2	.46	.01	.02	1	7	
BL 12+00E 0+20SA	1	21	27	69	.1	14	3	43	.43	3	5	ND	1	23	1	3	3	7	.42	.10	4	9	.06	92	.01	4	.45	.01	.04	1	1	
BL 12+00E 0+30SA	1	24	38	109	.1	14	2	78	.38	2	5	ND	2	26	1	2	2	5	.28	.09	6	7	.04	172	.01	3	.42	.01	.05	1	6	
BL 12+00E 0+40SD	2	16	13	25	.2	18	3	90	1.51	13	5	ND	10	6	1	2	2	46	.08	.02	8	49	.32	28	.12	2	.96	.01	.03	1	3	
BL 12+00E 0+50SD	1	39	35	46	.1	48	6	126	2.98	83	5	ND	4	7	1	2	2	89	.09	.02	9	115	.51	61	.16	2	1.83	.01	.03	1	2	
BL 12+00E 0+60SD	1	162	56	198	.9	306	18	336	6.20	237	5	ND	21	22	1	9	2	60	.58	.08	111	343	1.84	114	.17	3	4.46	.01	.31	1	11	
BL 12+00E 0+70SA	1	75	14	42	.7	65	17	212	1.57	16	5	ND	8	47	1	2	2	18	2.80	.16	110	28	.16	100	.01	4	1.48	.01	.03	1	2	
BL 12+00E 0+80SD	1	32	18	80	.3	52	9	210	3.09	26	5	ND	11	10	1	2	2	59	.21	.03	18	68	.71	54	.17	2	2.12	.01	.06	1	1	
BL 12+00E 0+90SA	1	32	10	35	.2	22	2	19	1.16	2	5	ND	3	21	1	2	2	4	.46	.13	35	17	.06	61	.02	4	.97	.01	.01	1	1	
BL 12+00E 1+00SA	1	18	6	40	.4	19	2	17	.88	2	5	ND	3	33	1	2	2	3	.75	.12	26	6	.06	68	.02	3	.74	.01	.02	1	6	
BL 12+00E 1+10SD	1	11	14	62	.1	23	5	188	1.92	9	5	ND	5	9	1	2	2	37	.19	.03	12	40	.48	34	.14	2	1.24	.01	.04	1	1	
BL 12+00E 1+20SA	1	12	13	65	.1	14	4	71	.33	5	5	ND	3	35	1	2	2	4	1.23	.09	15	3	.08	50	.01	7	.56	.01	.09	1	2	
BL 12+00E 1+30SD	1	14	11	69	.2	28	9	390	2.03	11	5	ND	6	14	1	2	2	37	.50	.03	13	40	.53	59	.13	4	1.29	.01	.07	1	1	
BL 12+00E 1+40SA	2	44	4	37	.4	31	53	2401	2.69	16	5	ND	12	51	1	2	2	25	2.84	.21	141	53	.13	92	.02	6	2.20	.01	.03	1	8	
BL 12+00E 1+50SA	2	61	10	35	.4	36	43	2278	1.72	8	5	ND	5	55	1	2	2	20	3.02	.22	69	31	.16	124	.01	8	.95	.01	.01	1	1	
BL 12+00E 1+60SD	1	62	9	60	.1	129	18	323	2.74	61	5	ND	8	15	1	2	2	44	.60	.11	21	99	.75	48	.14	3	1.29	.01	.09	1	6	
BL 12+00E 1+70SA	1	32	6	72	.1	25	1	48	.47	2	5	ND	2	56	1	2	2	3	3.29	.10	29	8	.14	62	.01	8	.43	.01	.02	1	3	
BL 12+00E 1+80SA	2	61	15	51	.4	41	46	7047	1.65	24	5	ND	4	61	1	2	2	24	4.01	.21	55	23	.18	124	.01	11	.92	.01	.02	1	2	
BL 12+00E 1+90SA	1	91	3	54	.2	76	3	430	.55	4	5	ND	3	66	1	4	2	5	6.50	.14	45	12	.25	73	.01	11	.90	.01	.01	1	2	
BL 12+00E 2+00SD	1	10	7	63	.1	46	7	168	1.67	9	5	ND	3	10	1	2	2	32	.49	.01	5	75	.50	27	.09	3	1.14	.01	.05	1	2	
BL 12+00E 2+10SA	2	29	59	60	.2	25	4	134	1.99	15	5	ND	2	6	1	3	5	51	.17	.07	5	95	.44	38	.04	4	1.06	.01	.08	1	14	
BL 12+00E 2+20SA	1	21	9	68	.1	22	2	16	.51	2	5	ND	1	49	1	2	2	5	3.64	.07	6	10	.19	14	.01	8	.48	.01	.01	1	2	
BL 12+00E 2+30SA	1	24	8	54	.1	21	3	57	.46	2	5	ND	1	41	1	2	2	4	2.81	.07	7	6	.15	37	.01	5	.37	.01	.01	1	3	
BL 12+00E 2+40SA	1	61	4	15	.3	34	1	153	.54	3	5	ND	6	51	1	2	2	3	4.04	.10	83	11	.19	57	.01	6	.67	.01	.01	1	1	
BL 12+00E 2+50SA	1	43	7	23	.2	42	1	323	.32	2	5	ND	2	46	1	7	2	4	4.12	.09	27	6	.20	50	.01	9	.51	.01	.01	1	6	
BL 12+00E 2+60SA	1	75	6	26	.1	45	4	1059	.56	8	5	ND	4	50	1	2	2	8	5.14	.11	48	12	.23	88	.01	8	.81	.01	.01	1	1	
BL 12+00E 2+70SA	1	34	2	42	.2	25	1	217	.24	2	5	ND	2	50	1	2	2	10	5.22	.08	8	5	.24	59	.01	11	.38	.01	.01	1	2	
BL 12+00E 2+80SA	1	85	4	45	.1	40	1	160	.34	2	5	ND	2	55	1	2	2	4	6.34	.09	17	7	.29	74	.01	13	.51	.01	.01	1	2	
BL 12+00E 2+90SA	1	44	3	51	.2	43	1	134	.20	2	5	ND	2	58	1	2	3	7	5.84	.08	7	4	.26	80	.01	12	.31	.01	.01	1	1	
STD C/FB-ND	21	58	40	137	7.1	70	26	1173	3.96	37	19	7	36	52	16	15	22	60	.48	.13	38	60	.28	176	.08	39	1.72	.06	.10	11	56	

SAMPLES	Mo	Cu	Pb	Zn	Ag	Mn	Co	Ni	Fe	As	U	Sr	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	V	Asst
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
RL 13+00E 3+00SA	1	32	5	40	.4	23	3	287	.41	2	5	ND	1	56	1	4	2	3	5.29	.10	29	6	.24	74	.01	9	.55	.01	.01	1	2
RL 13+00E 3+00ND	1	9	7	17	.1	2	1	70	.34	2	5	ND	4	3	1	2	2	26	.16	.01	9	12	.09	17	.09	2	.47	.01	.01	1	1
RL 13+00E 2+90NA	1	17	20	38	.3	8	2	85	.59	3	5	ND	1	3	1	2	2	16	.16	.07	4	17	.09	34	.02	2	.47	.01	.04	1	1
RL 13+00E 2+90NA	1	51	11	28	.4	15	2	82	.54	2	5	ND	2	8	1	2	2	15	.27	.05	3	15	.11	35	.02	7	.46	.02	.03	1	1
RL 13+00E 2+90ND	1	7	10	25	.2	8	1	83	1.48	8	5	ND	4	7	1	2	2	46	.11	.01	6	20	.23	16	.16		.59	.01	.02	1	1
RL 13+00E 2+60NB	1	20	14	89	.2	44	13	183	2.32	55	5	ND	4	10	1	2	2	49	.21	.03	9	67	.53	41	.11	6	2.05	.02	.04	1	2
RL 13+00E 2+50NA	1	35	9	38	.2	34	7	241	1.34	15	5	ND	1	11	1	3	2	34	.42	.05	4	203	1.43	41	.02	2	1.53	.03	.02	1	1
RL 13+00E 2+40ND	1	6	9	25	.3	8	1	86	.96	15	5	ND	5	3	1	2	2	26	.08	.02	4	42	.34	20	.05	2	.93	.01	.03	1	3
RL 13+00E 2+30ND	1	8	6	16	.1	7	1	64	.58	2	5	ND	2	3	1	3	2	16	.08	.02	6	31	.23	24	.01	2	.74	.01	.02	1	2
RL 13+00E 2+20LA	1	14	11	28	.3	19	3	102	3.59	472	5	ND	11	7	1	2	2	82	.13	.03	12	91	.42	17	.14	3	1.76	.01	.04	1	1
RL 13+00E 2+10NE	1	22	12	37	.1	27	5	123	4.11	121	5	ND	6	9	1	2	2	90	.14	.02	7	67	.47	29	.14	4	1.59	.01	.04	1	4
RL 13+00E 2+00NA	1	16	7	15	.1	6	1	20	.50	8	5	ND	1	9	1	2	2	8	.14	.07	7	11	.06	19	.01	2	.57	.01	.02	1	1
RL 13+00E 1+90ND	1	27	16	29	.1	26	5	63	2.67	6	5	ND	5	17	1	2	2	64	.82	.06	40	65	.71	107	.09	2	3.33	.01	.02	1	3
RL 13+00E 1+80ND	1	6	5	22	.1	3	1	48	.66	2	5	ND	2	4	1	2	2	31	.08	.01	6	16	.13	15	.05	2	.84	.01	.02	1	1
RL 13+00E 1+70NB	1	50	11	56	.2	34	9	145	5.12	9	5	ND	4	2	1	2	2	160	.07	.04	2	116	1.54	17	.14	2	3.20	.01	.03	1	2
RL 13+00E 1+60NB	1	30	9	32	.1	13	4	67	2.56	5	5	ND	1	2	1	2	2	115	.08	.02	2	60	.41	23	.08	2	1.37	.01	.01	1	1
RL 13+00E 1+50ND	1	71	8	34	.4	35	12	94	2.54	41	5	ND	4	4	1	3	2	124	.10	.02	4	112	.64	21	.10	2	2.14	.01	.02	1	2
RL 13+00E 0+00SB	1	52	10	39	.2	97	12	174	2.89	16	5	ND	7	6	1	2	2	70	.14	.01	13	180	.92	27	.13	4	1.75	.01	.04	1	7
RL 13+00E 0+10SA	1	213	25	55	.3	72	6	109	1.60	9	5	ND	4	12	1	2	2	12	.28	.18	41	83	.15	69	.01	2	1.30	.01	.04	1	2
RL 13+00E 0+20SB	2	15	8	44	.2	112	15	161	3.52	5	5	ND	4	3	1	3	2	114	.06	.01	6	496	1.80	34	.23	3	2.42	.02	.13	1	1
RL 13+00E 0+30SB	2	8	5	16	.1	9	1	62	.65	6	5	ND	5	3	1	2	2	20	.05	.01	8	24	.14	17	.05	2	.76	.01	.02	1	4
RL 13+00E 0+40SB	4	14	18	38	.1	8	1	120	6.48	7	5	ND	2	3	1	2	2	151	.17	.05	7	58	.27	24	.11	2	1.23	.01	.03	1	105
RL 13+00E 0+50SB	4	31	29	33	.1	23	3	101	3.97	38	5	ND	7	6	1	3	2	70	.08	.03	6	59	.35	33	.12	2	1.62	.01	.05	1	2
RL 13+00E 0+60SB	1	31	17	44	.1	30	6	128	3.68	15	5	ND	10	5	1	2	2	53	.07	.04	22	65	.34	34	.14	3	2.86	.01	.06	1	7
RL 13+00E 0+70SB	1	16	25	34	.1	9	1	70	1.25	7	5	ND	5	6	1	2	2	35	.07	.02	14	23	.20	41	.09	2	1.12	.01	.05	1	11
RL 13+00E 0+80SB	1	47	20	69	.1	70	18	300	3.54	25	5	ND	5	8	1	2	2	146	.19	.02	7	38	1.96	30	.30	2	3.32	.02	.05	1	1
RL 13+00E 0+90SB	1	24	23	42	.2	33	4	102	2.54	13	5	ND	8	7	1	3	2	58	.11	.03	11	58	.46	34	.16	2	1.43	.01	.05	1	2
RL 13+00E 1+00SB	1	14	12	34	.2	24	5	103	2.86	9	5	ND	6	8	1	2	2	42	.12	.02	9	38	.31	24	.12	3	1.44	.01	.06	1	1
RL 13+00E 1+10SB	1	28	7	34	.1	40	7	134	2.43	23	5	ND	5	6	1	2	2	53	.11	.02	8	76	.55	21	.15	4	1.35	.01	.04	1	88
RL 13+00E 1+20SB	1	18	9	25	.2	17	3	84	1.68	37	5	ND	11	6	1	4	2	35	.10	.02	16	34	.29	18	.10	3	1.41	.01	.04	1	2
RL 13+00E 1+30SB	1	10	8	21	.2	17	3	84	1.34	5	5	ND	5	8	1	2	2	34	.11	.01	9	31	.28	27	.10	4	1.49	.01	.06	1	1
RL 13+00E 1+40SB	1	5	9	13	.1	8	1	43	.80	5	5	ND	6	6	1	3	2	29	.07	.01	9	16	.14	12	.12	2	.60	.01	.02	1	2
RL 13+00E 1+50SB	1	5	6	8	.1	3	1	28	.60	2	5	ND	3	7	1	2	2	18	.07	.01	7	13	.07	16	.06	2	.74	.01	.02	1	3
RL 13+00E 1+60SB	1	13	9	24	.2	17	3	84	2.09	9	5	ND	6	6	1	9	2	50	.08	.01	8	55	.35	18	.13	3	1.48	.01	.03	1	16
RL 13+00E 1+70SB	6	28	23	62	.1	41	8	311	8.74	103	5	ND	4	6	1	12	4	147	.16	.04	9	226	.82	54	.21	3	2.46	.01	.05	1	6
RL 13+00E 1+80CB	1	15	7	29	.1	32	5	125	2.10	6	5	ND	4	8	1	2	2	36	.11	.01	9	43	.39	32	.11	4	1.54	.01	.04	1	2
STD C/TA-MI	20	60	38	134	7.2	67	27	1199	3.98	37	17	8	38	53	17	15	21	58	.48	.14	40	58	.88	182	.08	40	1.73	.06	.11	12	50

NORTHERN DYNASTY FILE # 85-2497

SAMPLE	No PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ri PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Ac PPM	Tl 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 %	M PPM	Au** PPM
DL 13+00E 1+00SB	1	25	11	24	.1	55	6	104	2.90	13	5	ND	6	4	1	2	2	66	.09	.01	7	110	.49	18	.12	2	1.69	.01	.04	1	3
DL 13+00E 2+00SB	3	73	29	53	.1	97	9	180	5.94	37	5	ND	4	3	1	2	2	117	.69	.04	8	273	.89	27	.18	4	2.72	.01	.06	1	6
DL 13+00E 2+10SA	3	92	12	48	.1	49	4	96	1.98	176	5	ND	1	7	1	2	2	33	.11	.06	4	69	.18	44	.03	3	.67	.01	.04	2	42
DL 13+00E 2+20SB	1	12	8	19	.3	23	2	82	1.31	15	5	ND	6	5	1	2	2	36	.10	.01	7	36	.28	11	.11	2	.68	.01	.04	1	2
DL 13+00E 2+30SB	1	18	10	23	.2	17	2	88	1.29	7	5	ND	3	5	1	2	2	37	.11	.01	7	38	.31	20	.13	7	.93	.01	.03	1	1
DL 13+00E 2+40SB	1	17	11	15	.1	15	1	48	.91	3	5	ND	5	8	1	2	2	19	.16	.02	9	23	.17	25	.08	2	.68	.01	.03	1	2
DL 13+00E 2+50SB	1	8	2	24	.2	22	4	125	1.14	2	5	ND	8	9	1	2	2	18	.27	.04	15	23	.27	36	.04	4	.80	.01	.05	1	1
DL 13+00E 2+60SB	1	11	4	30	.1	47	9	126	1.81	9	5	ND	6	9	1	2	2	29	.26	.02	13	31	.29	52	.08	4	1.29	.01	.03	1	1
DL 13+00E 2+70SA	1	25	2	45	.2	52	7	95	.64	2	5	ND	1	59	1	4	2	4	4.73	.14	9	10	.21	116	.01	10	.91	.01	.01	1	2
DL 13+00E 2+80SA	1	25	2	46	.4	54	3	670	.44	2	5	ND	1	52	1	2	2	9	4.82	.09	4	7	.19	84	.01	11	.54		.01	2	1
DL 13+00E 2+90SA	1	18	2	23	.4	20	1	327	.19	2	5	ND	1	48	1	4	2	6	4.54	.07	2	5	.14	57	.01	10	.25	.01	.02	1	1
DL 13+00E 3+00SA	1	15	4	19	.3	18	1	72	.15	2	5	ND	1	45	1	2	2	4	4.15	.04	2	5	.14	50	.01	7	.19	.01	.01	1	2
DL 14+00E 3+00SB	1	30	11	52	.3	17	4	139	3.64	6	5	ND	8	6	1	2	2	64	.15	.05	7	46	.42	37	.17	3	2.51	.01	.07	1	3
DL 14+00E 2+00BA	1	30	7	37	.2	11	2	60	.48	2	5	ND	1	11	1	2	2	14	.23	.07	3	19	.11	61	.01	2	.48	.01	.03	1	2
DL 14+00E 2+00SB	1	14	5	22	.1	7	2	61	.64	2	5	ND	3	4	1	2	2	24	.11	.02	8	20	.27	19	.04	2	.70	.01	.02	1	3
DL 14+00E 2+70NB	1	7	8	22	.3	19	2	94	1.23	2	5	ND	8	6	1	2	2	34	.12	.02	8	83	.45	31	.13	3	.90	.01	.04	1	1
DL 14+00E 2+80NB	1	12	9	29	.1	12	2	102	2.51	7	5	ND	7	7	1	2	2	54	.09	.03	9	27	.32	24	.17	4	1.05	.01	.04	1	4
DL 14+00E 2+50NB	1	11	2	27	.2	9	2	72	1.04	12	5	ND	5	7	1	2	2	29	.15	.02	8	28	.40	31	.05	3	1.08	.01	.04	1	6
DL 14+00E 2+40NB	1	23	2	47	.3	9	2	43	.40	17	5	ND	1	30	1	2	2	4	1.57	.18	11	12	.04	82	.01	5	1.10	.01	.02	1	1
DL 14+00E 2+30NB	1	4	2	38	.5	3	1	22	.49	9	5	ND	2	15	1	2	2	2	.72	.06	2	2	.03	54	.01	3	.20	.01	.02	2	2
DL 14+00E 2+20NB	1	8	2	39	.3	16	8	100	2.39	1528	5	ND	1	6	1	3	4	54	.25	.04	3	133	1.10	19	.08	4	1.79	.01	.02	8	98
DL 14+00E 2+10NB	1	44	10	54	.4	12	2	37	.77	23	5	ND	2	25	1	2	2	5	.47	.13	13	13	.07	74	.01	4	.65	.01	.04	1	1
DL 14+00E 2+00NB	1	51	12	43	.2	33	8	183	3.82	25	5	ND	13	7	1	2	2	61	.14	.03	26	70	.63	32	.18	7	2.95	.01	.05	1	2
DL 14+00E 1+90NB	1	29	10	23	.3	11	2	69	3.82	20	5	ND	9	5	1	3	2	54	.10	.04	9	50	.20	18	.11	4	2.89	.01	.04	1	1
DL 14+00E 1+80NB	1	17	25	37	.2	11	2	51	.55	4	5	ND	2	9	1	2	2	17	.19	.07	3	17	.11	41	.01	3	.47	.01	.04	1	1
DL 14+00E 1+70NB	1	16	2	12	.2	3	1	32	.38	2	5	ND	1	5	1	2	2	20	.11	.03	3	18	.04	21	.03	2	.35	.01	.03	1	2
DL 14+00E 1+60NB	1	20	4	15	.3	11	3	79	.77	3	5	ND	3	2	1	2	2	26	.13	.02	3	48	.34	19	.02	2	.93	.02	.02	1	7
DL 14+00E 1+50NB	1	20	6	12	.4	4	1	51	.51	2	5	ND	4	4	1	4	2	24	.11	.01	5	21	.08	12	.05	2	.65	.01	.03	1	3
DL 14+00E 1+40NB	1	35	2	68	.5	8	2	28	.53	17	5	ND	1	32	1	2	2	5	2.31	.14	13	6	.07	53	.01	6	.67	.01	.03	1	8
DL 14+00E 1+30NB	1	46	10	34	.4	11	2	34	.76	8	5	ND	2	18	1	2	2	6	.63	.10	14	16	.07	73	.03	3	.71	.01	.03	1	1
DL 14+00E 1+20NB	1	76	4	37	.3	26	13	626	2.32	109	5	ND	3	25	1	2	2	48	2.68	.08	24	28	.44	138	.20	4	1.85	.01	.07	1	2
DL 14+00E 1+10NB	1	25	8	48	.2	31	11	292	3.07	19	5	ND	5	7	1	2	3	114	.33	.03	5	55	.42	75	.13	3	2.07	.02	.04	1	1
DL 14+00E 1+00NB	1	62	12	59	.1	20	18	629	4.75	11	5	ND	5	6	1	2	2	109	.44	.04	8	48	.82	60	.13	4	2.12	.07	.03	1	3
DL 14+00E 0+90NB	1	13	9	32	.1	8	3	273	3.17	6	5	ND	4	4	1	2	2	84	.28	.02	4	19	.23	35	.14	2	.72	.02	.02	1	1
DL 14+00E 0+80NB	4	93	19	111	.1	2163	177	2788	16.14	10087	5	ND	7	6	1	70	2	72	.21	.08	11	538	.63	97	.05	3	1.53	.01	.04	4	760
DL 14+00E 0+70NB	5	34	18	39	.1	27	2	178	12.29	451	5	ND	8	2	1	17	2	125	.04	.07	6	27	.04	22	.04	2	.54	.01	.03	2	32
STB C/FA-NB	28	60	41	129	7.2	68	25	1098	3.84	41	18	8	34	47	17	13	21	54	.48	.14	37	59	.87	179	.07	39	1.71	.05	.11	11	48

NORTHERN DYNASTY FILE # 85-2497

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Ac	Th	Sr	Cd	Sb	Bi	V	Ca	P	Lu	Cr	Mg	Ba	Ti	B	Al	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	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
DL 14+00E 0+60NB	1	17	17	28	.1	16	4	169	2.11	2.	5	ND	2	12	1	2	2	64	.30	.02	4	54	.23	40	.09	2	1.46	.05	.03	1	25
DL 14+00E 0+50NB	1	40	26	35	.1	30	5	104	5.71	14	5	ND	9	4	1	2	4	100	.17	.03	6	65	.22	40	.14	2	4.47	.02	.04	1	2
DL 14+00E 0+40NB	1	39	46	31	.1	18	2	86	1.52	8	5	ND	8	5	1	2	2	22	.06	.07	21	41	.24	72	.01	2	2.18	.01	.04	1	38
DL 14+00E 0+30NB	1	10	10	31	.1	29	5	103	1.97	8	5	ND	6	2	1	2	5	45	.03	.02	14	94	.99	16	.05	2	1.36	.01	.03	1	44
DL 14+00E 0+20NB	4	57	18	50	.1	74	9	119	6.32	26	5	ND	4	4	1	3	2	162	.08	.04	3	280	.82	41	.11	2	2.87	.01	.03	1	14
DL 14+00E 0+10ND	3	57	21	42	.1	126	15	217	6.28	25	5	ND	2	5	1	2	3	297	.10	.02	2	388	1.40	44	.25	2	2.50	.02	.05	1	3
DL 14+00E 0+00B	3	34	21	53	.1	97	13	166	3.40	94	5	ND	3	7	1	2	4	87	.15	.02	4	351	1.27	46	.17	2	2.45	.02	.04	1	11
DL 14+00E 0+10SD	3	20	18	41	.1	31	5	98	1.87	99	5	ND	5	5	1	3	2	59	.08	.02	8	48	.25	56	.12	2	1.32	.01	.09	1	1
DL 14+00E 0+20SD	2	20	23	44	.1	51	9	227	3.10	65	5	ND	5	6	1	2	2	62	.09	.01	6	124	1.23	47	.13	2	2.30	.01	.08	1	2
DL 14+00E 0+30SD	1	25	16	29	.1	31	4	101	2.74	33	5	ND	6	6	1	2	4	58	.10	.01	5	95	.42	24	.12	2	1.40	.01	.03	1	1
DL 14+00E 0+40SD	1	18	10	20	.1	27	4	90	1.67	9	5	SD	5	7	1	2	2	46	.11	.01	8	49	.34	20	.12	2	.93	.01	.05	1	1
DL 14+00E 0+50SD	1	18	18	40	.2	32	6	107	2.01	18	5	ND	4	5	1	4	2	60	.09	.02	6	30	.48	34	.20	3	1.40	.01	.04	1	3
DL 14+00E 0+60SD	2	10	13	23	.1	4	1	96	1.07	16	5	ND	7	3	1	9	2	11	.03	.02	26	9	.05	26	.08	3	4.1	.01	.05	1	1
DL 14+00E 0+70SD	1	3	8	8	.1	4	1	28	.33	2	5	ND	4	6	1	2	2	14	.07	.01	8	11	.05	9	.09	2	.24	.01	.01	1	2
DL 14+00E 0+80SD	2	40	23	73	.2	57	19	251	5.18	21	5	ND	8	13	1	7	2	102	.31	.02	21	51	.91	142	.22	5	3.03	.01	.17	1	1
DL 14+00E 0+90SA	3	81	37	62	.1	30	15	3254	3.24	27	5	ND	8	31	1	3	2	41	1.00	.10	68	43	.14	121	.04	4	1.70	.01	.06	1	2
DL 14+00E 1+00SA	2	59	20	57	.1	37	27	5572	1.96	29	5	ND	10	59	1	2	2	14	3.78	.20	127	24	.16	191	.02	8	1.99	.01	.03	1	1
DL 14+00E 1+10SA	1	43	10	59	.1	41	7	470	.73	4	5	ND	2	57	1	11	2	5	4.95	.16	33	10	.23	105	.01	10	.75	.01	.01	1	1
DL 14+00E 1+20SA	1	21	14	30	.1	15	1	43	.74	5	5	ND	2	9	1	2	2	21	.16	.02	8	25	.12	39	.07	2	.59	.01	.03	1	2
DL 14+00E 1+30SD	4	21	24	59	.1	27	5	179	7.28	71	5	ND	4	3	1	10	2	158	.03	.03	4	113	.65	34	.24	4	2.06	.01	.17	2	3
DL 14+00E 1+40SD	4	109	42	74	.1	95	11	184	8.37	16	5	SD	6	3	1	2	2	104	.04	.04	3	241	.44	39	.13	2	3.65	.01	.03	1	90
DL 14+00E 1+50SD	2	19	18	24	.1	12	1	60	2.57	10	5	ND	3	4	1	2	2	154	.02	.02	7	48	.16	14	.12	2	.83	.01	.02	1	27
DL 14+00E 1+60SD	5	40	25	41	.1	68	5	183	6.52	72	5	ND	2	3	1	4	5	180	.03	.03	3	326	1.00	26	.20	2	2.48	.01	.07	2	12
DL 14+00E 1+70SD	2	29	22	24	.1	26	1	105	4.40	53	5	ND	2	3	1	2	2	126	.03	.03	3	145	.41	22	.15	2	1.49	.01	.05	1	10
DL 14+00E 1+80SD	1	61	20	32	.3	60	7	98	4.27	26	5	ND	10	4	1	3	2	58	.05	.05	4	218	.34	15	.12	3	4.85	.01	.04	1	5
DL 14+00E 1+90SD	2	16	25	35	.1	24	2	88	2.38	34	5	ND	5	6	1	5	2	105	.05	.01	6	95	.30	35	.15	2	1.51	.01	.04	1	3
DL 14+00E 2+00SD	10	75	32	85	.2	141	13	192	10.40	43	5	ND	4	2	1	4	2	203	.04	.05	6	576	1.74	32	.27	3	3.23	.01	.13	2	9
DL 14+00E 2+10SA	2	23	10	47	.2	39	14	4147	1.89	91	5	ND	3	21	1	3	2	14	1.24	.13	20	40	.18	144	.03	6	.75	.01	.03	2	1
DL 14+00E 2+20SA	6	26	13	73	.1	44	23	33111	2.53	185	5	ND	6	43	1	2	2	16	3.26	.15	26	22	.16	581	.01	9	.82	.01	.01	1	1
DL 14+00E 2+30SD	1	6	7	30	.1	17	4	829	1.73	59	5	ND	3	12	1	2	2	23	.50	.10	14	28	.33	39	.08	4	.71	.01	.02	1	1
DL 14+00E 2+40SD	1	6	6	35	.1	17	4	646	1.62	27	5	ND	1	11	1	2	2	18	.42	.09	12	26	.31	25	.08	4	.64	.01	.02	1	1
DL 14+00E 2+50SD	1	8	11	42	.1	11	3	912	1.43	20	5	ND	5	10	1	2	2	21	.33	.03	15	25	.31	26	.10	4	.80	.01	.03	1	1
DL 14+00E 2+60SD	1	3	7	24	.2	8	1	121	.92	11	5	ND	6	8	1	2	2	19	.20	.02	10	21	.21	24	.10	3	.56	.01	.04	1	2
DL 14+00E 2+70SA	1	24	9	50	.2	34	5	1239	1.82	57	5	ND	4	30	1	2	2	23	2.24	.10	25	34	.46	81	.04	5	1.04	.01	.05	1	1
DL 14+00E 2+80SA	1	21	12	79	.2	32	4	4521	1.67	105	5	ND	2	53	1	2	2	6	4.93	.12	22	7	.19	146	.01	10	.62	.01	.02	1	1
DL 14+00E 2+90SA	4	17	9	92	.1	20	18	5514	8.28	987	5	ND	7	27	1	2	2	27	1.87	.18	31	30	.26	160	.03	6	1.12	.01	.03	1	1
STD C/YA-ND	22	60	40	133	7.2	68	27	1213	3.99	40	17	8	38	53	17	15	21	59	.48	.14	37	59	.88	182	.08	39	1.73	.06	.11	11	51

NORTHERN DYNASTY FILE # 05-2497

PAGE 13

SAMPLE#	No PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Hg PPH	Co PPH	Ni PPH	Fe %	As PPH	S PPH	Mn PPH	Ti PPH	Sr PPH	Ca PPH	Sb PPH	Bi PPH	V PPH	Cr %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Tl %	B PPH	Al %	Na %	K %	W PPH	Au** PPH
BL 14+00E 3+00SD	9	17	18	105	.1	29	21	26142	5.20	555	5	ND	1	37	1	2	3	15	2.82	.13	20	14	.15	725	.01	10	.56	.01	.02	1	4
BL 15+00E 3+00NA	1	95	9	24	.1	32	3	124	.57	37	5	ND	1	24	1	2	2	5	1.00	.13	14	14	.07	62	.01	2	.57	.01	.02	1	4
BL 15+00E 2+90NA	1	29	9	13	.1	4	1	54	.50	5	5	ND	2	2	1	2	2	20	.13	.02	2	10	.07	15	.04	2	.47	.01	.03	1	2
BL 15+00E 2+80NA	1	7	10	26	.1	5	1	45	.47	2	5	ND	1	4	1	2	2	14	.16	.04	2	12	.11	12	.01	2	.36	.02	.02	1	1
BL 15+00E 2+70ND	1	12	7	18	.3	7	2	59	.84	251	5	ND	5	4	1	2	2	27	.12	.01	7	26	.22	17	.05	2	.88	.01	.02	1	50
BL 15+00E 2+60ND	1	53	15	29	.1	81	13	101	5.04	40	5	ND	5	5	1	2	2	74	.00	.02	8	184	.43	50	.15	5	2.81	.01	.03	1	21
BL 15+00E 2+50NA	1	9	9	24	.1	15	4	75	1.52	46	5	ND	1	3	1	2	3	46	.00	.03	4	92	.62	22	.01	3	2.01	.01	.02	1	5
BL 15+00E 2+40NA	1	6	9	21	.1	3	1	33	.34	2	5	ND	1	4	1	2	2	11	.14	.04	3	10	.12	25	.01	2	.31	.01	.02	1	18
BL 15+00E 2+30ND	1	16	10	25	.1	6	2	62	2.35	2918	5	ND	1	2	1	2	2	88	.05	.03	2	8	.24	13	.06	2	.68	.01	.01	7	165
BL 15+00E 2+20ND	1	12	20	33	.1	16	5	83	3.29	375	5	ND	6	5	1	2	2	125	.07	.02	10	28	.18	32	.00	3	1.78	.01	.03	1	17
BL 15+00E 2+10ND	1	19	19	29	.1	10	2	57	4.00	24	5	ND	10	6	1	2	2	68	.06	.03	12	43	.16	16	.14	3	2.85	.01	.02	1	8
BL 15+00E 2+00ND	1	73	17	54	.2	34	12	137	4.41	26	5	ND	2	5	1	2	2	171	.09	.03	3	156	1.62	24	.18	4	3.87	.01	.02	1	5
BL 15+00E 1+90ND	1	27	15	38	.1	21	6	88	2.44	43	5	ND	3	4	1	3	2	124	.07	.02	7	77	.61	30	.04	3	1.75	.01	.02	1	3
BL 15+00E 1+80ND	1	27	16	40	.1	27	5	148	3.71	23	5	ND	5	11	1	2	2	57	.13	.02	10	48	.47	58	.12	6	2.22	.01	.06	1	5
BL 15+00E 1+70ND	1	8	10	19	.1	5	1	54	.69	27	5	ND	1	4	1	2	2	26	.09	.01	4	18	.16	17	.00	2	.52	.01	.01	1	3
BL 15+00E 1+60ND	1	7	13	23	.1	8	1	77	1.39	10	5	ND	3	1	1	4	2	66	.04	.01	3	28	.20	27	.14	2	.88	.01	.04	1	2
BL 15+00E 1+50ND	1	5	8	21	.1	7	2	113	1.25	3	5	ND	4	2	1	2	3	34	.01	.01	3	21	.33	12	.11	2	.71	.01	.02	1	1
BL 15+00E 1+40NA	1	87	13	39	.1	51	9	107	1.84	13	5	ND	6	15	1	2	2	21	.95	.07	49	63	.24	51	.05	4	2.39	.01	.02	1	1
BL 15+00E 1+30NA	1	32	7	29	.1	8	3	83	2.11	12	5	ND	1	3	1	2	2	72	.17	.03	5	17	.22	20	.06	2	.91	.01	.02	1	19
BL 15+00E 1+20NA	1	57	17	60	.1	43	20	295	4.91	8	5	ND	6	17	1	2	2	143	.66	.04	9	140	1.00	79	.23	5	5.05	.11	.04	1	1
BL 15+00E 1+10ND	1	35	21	59	.1	19	9	293	3.18	3	5	ND	2	4	1	2	2	69	.19	.02	7	32	.32	78	.11	3	1.89	.02	.02	1	2
BL 15+00E 1+00ND	1	37	11	74	.1	39	21	307	4.38	7	5	ND	2	6	1	2	2	143	.22	.02	4	78	.96	39	.18	4	2.21	.04	.01	1	2
BL 15+00E 0+95ND	2	39	16	58	.1	49	14	253	8.02	39	5	ND	5	6	1	2	2	123	.18	.04	2	59	.44	44	.12	4	2.32	.02	.04	1	8
BL 15+00E 0+10SD	5	37	26	67	.2	69	10	231	8.51	1543	5	ND	5	6	1	2	4	207	.12	.03	3	234	1.25	33	.14	5	2.77	.02	.07	1	60
BL 15+00E 0+20SA	2	20	26	26	.1	18	4	89	2.44	15	5	ND	3	6	1	2	2	61	.05	.03	5	42	.38	66	.09	2	.94	.01	.12	1	12
BL 15+00E 0+30SA	3	84	35	34	.3	54	4	17	5.43	29	5	ND	13	26	1	2	2	23	.82	.14	128	36	.04	65	.01	4	2.18	.01	.01	1	6
BL 15+00E 0+40SA	1	21	16	64	.5	36	29	1827	4.33	204	5	ND	2	49	1	2	2	23	3.15	.24	15	33	.21	117	.01	10	.76	.01	.03	1	1
BL 15+00E 0+50SA	1	29	11	44	.2	50	9	1560	2.07	201	5	ND	2	42	1	2	2	4	3.51	.14	19	33	.18	86	.01	7	.73	.01	.02	1	1
BL 15+00E 0+60SA	2	8	4	57	.1	28	18	8211	5.12	1644	5	ND	1	38	1	2	2	11	2.99	.14	3	4	.12	358	.01	7	.29	.01	.01	1	4
BL 15+00E 0+70SA	1	10	2	57	.2	24	1	150	.44	8	5	ND	1	49	1	2	2	3	4.31	.07	2	4	.15	80	.01	9	.19	.01	.01	1	1
BL 15+00E 0+80SA	1	10	6	67	.1	17	1	231	.55	5	5	ND	1	42	1	2	2	4	4.17	.06	2	2	.13	72	.01	8	.21	.01	.01	1	6
BL 15+00E 0+90SA	1	13	3	65	.1	21	1	384	.69	56	5	ND	1	44	1	2	2	2	4.43	.11	4	11	.13	62	.01	8	.37	.01	.01	1	1
BL 15+00E 1+00SA	1	7	3	64	.1	8	1	750	.30	4	5	ND	1	45	1	2	2	3	3.74	.07	2	2	.14	64	.01	8	.22	.01	.01	1	1
BL 15+00E 1+10SA	1	6	2	57	.1	7	1	345	.36	12	5	ND	1	50	1	2	2	3	4.39	.06	4	1	.14	71	.01	8	.29	.01	.01	1	1
BL 15+00E 1+20SA	1	8	5	64	.1	7	1	1391	.64	9	5	ND	1	50	1	2	2	2	4.04	.12	9	3	.11	82	.01	8	.43	.01	.01	1	1
BL 15+00E 1+30SA	1	12	3	46	.1	9	1	537	.76	5	5	ND	1	68	1	3	2	3	5.27	.09	6	5	.16	109	.01	9	.35	.01	.01	2	1
STD C/FA-AW	21	59	39	130	7.1	67	27	1182	3.98	40	16	8	38	52	17	15	22	58	.48	.14	38	58	.88	178	.08	40	1.73	.06	.12	12	52

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NORTHERN DYNASTY FILE # 85-2497

PAGE 14

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Sr	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Avail	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
BL 15+00E 1+40SA	1	9	3	43	.2	8	1	242	1.20	7	5	ND	1	62	1	2	2	3	4.65	.12	5	4	.14	107	.01	7	.34	.01	.01	1	1	
BL 15+00E 1+50SA	1	13	3	37	.4	8	1	402	2.61	29	5	ND	1	54	1	2	2	5	4.22	.13	5	6	.13	131	.01	7	.20	.01	.03	1	1	
BL 15+00E 1+60SA	1	16	2	21	.4	9	1	287	.64	6	5	ND	1	49	1	2	2	4	3.92	.04	3	7	.11	96	.01	5	.21	.01	.01	1	1	
BL 15+00E 1+70SA	1	14	2	30	.4	5	1	344	.79	10	5	ND	2	44	1	2	2	3	3.93	.04	2	5	.12	80	.01	7	.16	.01	.01	1	1	
BL 15+00E 1+80SA	1	13	2	41	.1	6	1	135	.38	4	5	ND	1	65	1	2	2	3	5.24	.05	2	5	.11	95	.01	6	.22	.01	.01	1	1	
BL 15+00E 1+90SA	1	8	4	55	.1	5	1	377	1.00	13	5	ND	1	51	1	2	2	3	4.31	.07	3	5	.14	117	.01	7	.26	.01	.01	1	2	
BL 15+00E 2+00SA	1	7	3	37	.3	6	1	400	1.13	13	5	ND	1	46	1	2	2	4	4.90	.10	4	3	.15	84	.01	8	.26	.01	.02	1	1	
BL 15+00E 2+10SA	1	9	9	68	.4	7	1	1522	2.26	48	5	ND	2	49	1	2	2	7	4.16	.11	3	8	.14	103	.01	9	.24	.01	.03	1	1	
BL 15+00E 2+20SA	1	12	4	52	.3	7	1	527	1.57	24	5	ND	1	53	1	3	2	8	4.67	.09	6	9	.19	111	.01	7	.35	.01	.03	1	1	
BL 15+00E 2+30SA	2	17	5	50	.2	8	1	1607	2.01	19	5	ND	1	54	1	2	2	8	5.40	.11	4	9	.20	108	.01	7	.23	.01	.01	1	2	
BL 15+00E 2+40SA	1	10	2	37	.1	7	1	207	.91	6	5	ND	1	50	1	2	2	3	5.07	.07	2	3	.20	64	.01	7	.20	.01	.01	1	1	
BL 15+00E 2+50SA	1	10	2	32	.2	7	1	248	1.45	10	5	ND	1	45	1	2	2	9	4.45	.09	3	2	.17	80	.01	7	.20	.01	.01	1	1	
BL 15+00E 2+60SA	4	23	15	48	.3	17	10	7961	9.48	83	5	ND	1	39	1	2	2	34	3.52	.16	10	3	.14	199	.01	5	.27	.01	.02	1	1	
BL 15+00E 2+70SA	1	36	5	45	.4	54	4	702	2.59	21	5	ND	1	47	1	2	2	15	4.07	.15	13	8	.15	95	.01	8	.24	.01	.02	1	1	
BL 15+00E 2+80SA	1	182	2	40	.2	115	4	223	.88	2	5	ND	1	56	1	2	2	7	4.88	.10	53	8	.19	120	.01	6	.38	.01	.01	1	1	
BL 15+00E 2+90SA	1	59	6	64	.2	66	6	742	.71	3	5	ND	1	45	1	2	2	7	3.72	.10	20	1	.19	73	.01	8	.23	.01	.01	1	1	
BL 15+00E 3+00SA	3	66	2	58	.1	67	12	2200	.92	4	5	ND	1	49	1	2	2	9	4.15	.12	21	5	.21	121	.01	8	.24	.01	.01	1	1	
BL 20+00E 4+70ND	1	3	10	12	.3	6	1	55	.77	2	5	ND	8	4	1	5	2	16	.08	.01	11	10	.13	9	.08	2	.88	.01	.02	1	1	
BL 20+00E 4+80ND	1	3	9	13	.3	5	1	56	.91	4	5	ND	7	7	1	4	2	21	.09	.01	7	11	.16	11	.11	2	.77	.01	.02	1	1	
BL 20+00E 4+90ND	1	16	27	65	.2	29	3	56	.72	4	5	ND	2	18	1	2	2	8	.09	.26	4	16	.30	95	.01	2	.89	.01	.05	1	1	
BL 20+00E 4+10ND	1	2	7	13	.1	3	1	35	.99	2	5	ND	3	5	1	2	2	42	.64	.02	3	10	.08	10	.14	2	.32	.01	.02	1	1	
BL 20+00E 4+30ND	1	2	7	13	.3	4	1	44	.74	2	5	ND	7	5	1	2	2	22	.07	.01	5	9	.11	10	.11	2	.38	.01	.04	1	1	
BL 20+00E 4+20ND	1	5	4	13	.5	4	1	38	.51	2	5	ND	5	4	1	2	2	13	.05	.02	5	7	.07	17	.04	2	.26	.01	.03	1	1	
BL 20+00E 4+10ND	1	8	9	33	.2	8	2	102	1.60	2	5	ND	6	6	1	2	2	34	.09	.03	6	15	.28	19	.13	2	.99	.01	.03	1	2	
BL 20+00E 4+00ND	1	8	14	31	.1	10	2	112	1.89	4	5	ND	6	6	1	2	2	46	.09	.02	5	19	.32	20	.16	2	.91	.01	.05	1	1	
BL 20+00E 3+90NA	1	5	5	11	.2	3	1	16	.35	2	5	ND	2	5	1	2	2	9	.04	.03	4	11	.04	35	.01	2	.31	.01	.02	1	1	
BL 20+00E 3+80ND	1	8	10	19	.2	5	1	49	.79	2	5	ND	6	5	1	2	2	22	.04	.02	6	21	.15	31	.06	2	.72	.01	.03	1	11	
BL 20+00E 3+70ND	1	3	5	24	.1	7	1	74	1.13	2	5	ND	5	6	1	2	2	32	.07	.01	5	20	.23	12	.14	2	.57	.01	.03	1	1	
BL 20+00E 3+60ND	1	2	8	16	.1	3	1	38	.71	3	5	ND	4	5	1	2	2	32	.05	.01	6	10	.07	14	.15	2	.41	.01	.01	1	1	
BL 20+00E 3+50ND	1	5	5	16	.1	7	1	56	1.65	2	5	ND	6	6	1	2	3	44	.06	.02	6	14	.15	14	.13	4	.68	.01	.03	1	1	
BL 20+00E 3+40ND	1	9	12	35	.2	13	3	121	2.96	5	5	ND	8	6	1	3	3	55	.08	.11	6	26	.33	20	.16	3	1.00	.01	.05	1	1	
BL 20+00E 3+30ND	1	4	9	17	.1	8	1	57	1.52	4	5	ND	5	5	1	2	2	38	.04	.03	5	27	.15	9	.13	2	.45	.01	.02	1	1	
BL 20+00E 3+20ND	1	6	11	32	.3	10	2	91	1.99	4	5	ND	8	7	1	2	2	47	.06	.05	7	23	.26	19	.17	4	.70	.01	.05	1	1	
BL 20+00E 3+10ND	1	2	6	15	.2	3	1	40	.94	2	5	ND	5	4	1	2	2	22	.05	.03	6	11	.09	13	.10	2	.40	.01	.02	1	1	
BL 20+00E 3+00ND	1	2	5	16	.1	1	1	46	.85	5	5	ND	5	6	1	2	2	21	.05	.01	6	9	.12	13	.10	2	.47	.01	.02	1	2	
BL 20+00E 2+90ND	1	1	5	7	.2	2	1	22	.39	2	5	ND	5	4	1	2	2	13	.03	.01	4	5	.04	7	.07	2	.40	.01	.02	1	1	
STD C7A-40	21	58	39	136	7.8	69	27	1200	3.99	61	17	8	38	52	17	15	22	58	.48	.14	36	28	.88	178	.08	39	1.73	.04	.12	12	49	

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NORTHERN DYNASTY FILE # 85-2497

PAGE 15

SAMPLES	Pb	Cu	Pb	Zn	Ag	Mn	Co	Ni	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	K ₂	S	W	Au+P
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM
RL 20+00E 2+00NA	1	7	2	10	.2	3	1	13	.38	2	5	ND	1	12	1	2	2	5	.07	.03	6	4	.03	22	.03	2	.39	.01	.02	1	1
RL 20+00E 2+20NA	1	55	8	40	.2	30	2	12	2.44	9	5	ND	12	22	1	2	2	8	.27	.21	124	25	.03	112	.02	3	2.93	.01	.01	1	2
RL 20+00E 2+10NA	1	7	8	19	.1	3	1	40	.34	2	5	ND	1	2	1	2	2	9	.04	.02	2	6	.09	27	.03	2	.26	.01	.02	1	1
RL 20+00E 2+00NB	2	11	12	27	.1	5	1	108	4.22	5	5	ND	4	2	1	2	2	111	.01	.02	3	37	.20	18	.12	2	.70	.01	.02	1	1
RL 20+00E 1+90NB	2	101	45	176	.1	49	11	130	6.45	68	5	ND	1	3	1	2	2	105	.13	.03	7	119	.41	31	.13	2	2.28	.02	.02	1	7
RL 20+00E 1+00NA	1	26	4	18	.3	5	2	67	.62	3	8	ND	3	5	1	2	2	14	.12	.03	5	13	.11	39	.02	2	.51	.02	.04	1	15
RL 20+00E 1+70NA	1	48	31	35	.2	24	4	88	1.25	8	5	ND	2	15	1	2	2	19	.19	.10	16	17	.15	98	.01	3	.99	.01	.06	1	2
RL 20+00E 1+60NB	1	4	2	27	.1	6	1	95	1.14	4	5	ND	5	8	1	2	2	31	.13	.01	4	17	.23	14	.17	2	.59	.01	.05	1	1
RL 20+00E 1+50NB	1	10	8	64	.2	14	3	243	2.73	2	5	ND	7	9	1	2	2	58	.17	.07	7	25	.51	40	.23	3	1.27	.01	.10	1	1
RL 20+00E 1+40NB	3	17	21	79	.1	21	3	184	5.46	5	5	ND	7	8	1	5	2	82	.09	.17	14	47	.38	46	.24	5	3.71	.01	.07	1	1
RL 20+00E 1+30NB	1	17	10	49	.1	17	4	158	2.82	2	5	ND	7	17	1	2	2	60	.21	.04	10	38	.52	29	.19	3	2.41	.01	.06	1	1
RL 20+00E 1+20NB	2	40	9	69	.1	24	11	245	4.98	2	5	ND	4	7	1	2	2	150	.22	.02	4	55	.67	50	.25	3	2.68	.02	.06	1	1
RL 20+00E 1+10NB	2	22	18	41	.1	20	7	539	5.76	2	5	ND	3	4	1	2	3	145	.27	.02	5	45	.51	29	.19	2	1.80	.03	.04	1	1
RL 20+00E 1+00NB	2	19	11	56	.1	25	8	242	3.74	4	5	ND	7	9	1	2	2	127	.26	.02	6	43	.76	26	.30	2	2.08	.02	.05	1	1
RL 20+00E 0+90NB	1	27	14	76	.1	32	7	345	4.50	7	5	ND	9	10	1	2	2	102	.16	.03	11	41	.92	31	.35	3	2.38	.01	.07	1	1
RL 20+00E 0+80NB	1	18	11	78	.1	47	4	331	3.27	2	5	ND	14	6	1	2	2	71	.12	.02	25	93	1.88	72	.43	4	2.42	.02	.25	1	1
RL 20+00E 0+70NB	1	16	8	38	.1	25	4	149	2.27	6	5	ND	6	9	1	2	2	53	.15	.02	9	38	.46	24	.20	3	1.39	.01	.05	1	1
RL 20+00E 0+60NB	2	21	14	84	.1	33	8	307	5.16	3	5	ND	11	11	1	2	2	101	.19	.07	13	53	.76	33	.32	4	2.12	.02	.08	1	2
RL 20+00E 0+50NB	1	14	8	37	.3	12	2	129	1.44	7	5	ND	7	10	1	2	2	39	.11	.03	9	24	.29	20	.20	2	.94	.01	.06	1	1
RL 20+00E 0+40NB	1	6	4	32	.1	17	1	108	1.82	9	5	ND	4	8	1	2	2	48	.11	.04	7	33	.30	20	.21	4	.76	.01	.04	1	1
RL 20+00E 0+30NB	1	6	6	24	.2	13	2	97	1.40	30	5	ND	6	7	1	2	2	37	.10	.03	8	31	.28	20	.19	4	.70	.01	.05	1	1
RL 20+00E 0+20NB	1	4	2	29	.1	5	1	57	.90	7	5	ND	3	8	1	2	2	23	.10	.02	7	13	.13	19	.12	4	.51	.01	.04	1	1
RL 20+00E 0+10NB	1	9	6	64	.1	18	4	227	2.64	7	5	ND	5	11	1	2	2	50	.14	.06	9	31	.60	34	.24	4	1.41	.01	.11	1	1
RL 20+00E 0+00NB	1	10	9	52	.2	18	3	173	3.04	23	5	ND	6	10	1	2	2	64	.14	.05	8	40	.47	32	.21	6	1.21	.01	.09	1	1
RL 21+00E 2+00NB	1	10	2	42	.2	5	3	161	1.41	4	5	ND	1	5	1	2	2	46	.36	.04	3	10	.29	25	.05	4	.78	.03	.03	1	1
RL 21+00E 1+90NB	3	52	10	109	.1	31	8	146	7.12	38	5	ND	2	9	1	2	2	134	.09	.04	14	107	1.53	43	.08	3	2.86	.01	.01	1	2
RL 21+00E 1+80NB	1	10	2	24	.1	11	1	74	.52	14	5	ND	1	5	1	2	2	12	.18	.03	2	24	.15	13	.02	2	.46	.01	.02	1	105
RL 21+00E 1+70NB	2	50	5	60	.1	18	8	108	4.59	54	5	ND	3	5	1	2	2	105	.16	.04	8	58	.53	40	.13	4	3.75	.01	.03	1	9
RL 21+00E 1+60NB	1	11	2	20	.1	9	2	76	1.09	5	5	ND	1	3	1	2	2	45	.19	.01	2	38	.31	20	.12	2	.62	.02	.02	1	3
RL 21+00E 1+50NB	1	39	5	37	.1	23	7	125	3.43	2	5	ND	1	2	1	2	2	122	.18	.02	3	64	.74	29	.20	2	1.83	.02	.02	1	1
RL 21+00E 1+40NB	2	54	18	63	.1	30	9	240	4.93	13	5	ND	10	8	1	2	2	87	.19	.05	17	56	.57	38	.27	4	3.07	.01	.03	1	50
RL 21+00E 1+30NB	1	14	10	45	.1	12	3	164	2.12	5	5	ND	6	8	1	2	2	58	.14	.02	8	18	.42	28	.23	3	1.28	.01	.03	1	65
RL 21+00E 1+20NB	1	24	6	41	.1	15	3	184	3.06	7	5	ND	7	9	1	2	2	101	.15	.03	7	24	.31	32	.29	3	1.21	.01	.05	1	31
RL 21+00E 1+10NB	1	21	2	56	.1	19	4	240	2.37	5	5	ND	8	10	1	2	2	48	.24	.02	8	23	.48	42	.25	2	1.22	.01	.06	1	34
RL 21+00E 1+00NB	1	9	2	18	.1	8	2	96	1.43	3	5	ND	4	7	1	2	2	46	.14	.01	7	15	.14	26	.15	3	.65	.01	.02	1	2
RL 21+00E 0+90NB	1	8	2	27	.1	12	2	121	1.70	4	5	ND	3	9	1	2	2	47	.14	.01	7	18	.30	14	.22	3	.82	.01	.03	1	1
STD C/TA-AU	21	60	38	132	7.2	69	27	1179	3.96	37	18	8	37	52	17	15	21	60	.48	.14	36	58	.88	178	.08	38	1.72	.06	.11	12	52

NORTHERN DYNASTY FILE # 85-2497

PAGE 16

SAMPLE#	Pb	Cu	Pd	Zn	As	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mo	Ba	Ti	H	Al	Mg	T	W	Au11
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
BL 21+00E 0+00ND	1	7	10	31	.5	11	2	133	1.23	4	5	ND	7	8	1	2	2	30	.15	.01	8	15	.31	27	.18	2	.81	.01	.04	1	1
BL 21+00E 0+70ND	1	6	7	16	.3	10	1	60	.75	4	5	ND	3	6	1	2	2	23	.10	.01	6	13	.16	10	.10	2	.44	.01	.03	1	1
BL 21+00E 0+60ND	1	3	8	18	.4	4	1	47	.79	3	5	ND	6	6	1	2	2	22	.07	.01	5	11	.10	17	.13	4	.34	.01	.05	1	1
BL 21+00E 0+50ND	1	5	7	30	.2	15	2	126	2.01	4	5	ND	4	6	1	2	2	43	.15	.05	7	30	.56	29	.18	5	.94	.01	.12	1	3
BL 21+00E 0+40ND	1	9	9	25	.3	11	2	92	2.22	5	5	ND	7	7	1	2	2	31	.13	.13	11	27	.22	22	.10	3	1.22	.01	.04	1	3
BL 21+00E 0+30ND	1	6	5	19	.4	6	1	68	1.47	6	5	ND	5	7	1	2	2	31	.10	.06	8	14	.16	17	.12	3	.55	.01	.04	1	2
BL 21+00E 0+20ND	1	9	6	33	.2	11	2	108	1.68	3	5	ND	5	9	1	2	4	40	.12	.03	8	17	.31	19	.15	2	.78	.01	.06	1	2
BL 21+00E 0+10ND	1	5	10	23	.1	5	1	48	1.18	2	5	ND	3	8	1	2	2	27	.09	.02	8	12	.10	19	.09	2	.54	.01	.03	1	3
BL 21+00E 0+00D	1	6	10	46	.6	9	1	116	2.28	2	5	ND	7	8	1	2	2	54	.10	.03	9	20	.29	21	.20	3	.87	.01	.09	2	2
BL 21+00E 0+10SD	1	4	8	35	.3	6	1	62	1.08	4	5	ND	3	8	1	3	2	29	.10	.02	6	15	.14	19	.11	2	.57	.01	.04	1	1
BL 21+00E 0+20SD	1	7	9	61	.2	13	1	171	2.56	5	5	ND	6	10	1	2	2	62	.12	.05	8	27	.44	26	.22	4	1.18	.01	.08	1	4
BL 21+00E 0+30SD	1	5	10	49	.4	8	1	128	1.73	2	5	ND	5	10	1	2	2	39	.13	.03	7	19	.25	29	.14	3	1.02	.01	.07	2	2
BL 21+00E 0+40SD	1	6	11	70	.1	12	2	173	2.70	3	5	ND	6	13	1	2	2	58	.19	.04	9	26	.43	38	.21	3	1.43	.01	.08	1	1
BL 21+00E 0+50SD	1	5	17	63	.4	11	1	149	2.27	4	5	ND	6	10	1	4	2	61	.15	.02	7	24	.41	28	.23	3	1.31	.01	.08	1	1
BL 21+00E 0+60SD	1	12	11	87	.2	20	2	278	4.32	6	5	ND	6	9	1	2	2	101	.12	.05	7	36	.76	31	.38	5	1.79	.01	.13	1	6
BL 21+00E 0+70SD	1	6	14	42	.1	9	1	96	2.22	3	5	ND	5	8	1	2	2	52	.09	.03	8	20	.23	26	.19	3	1.14	.01	.06	1	3
BL 21+00E 0+80SD	1	4	13	31	.3	19	1	102	1.80	5	5	ND	6	8	1	2	2	31	.10	.02	7	22	.31	20	.22	3	.86	.01	.08	1	4
BL 21+00E 0+90SD	1	9	13	57	.3	14	3	177	2.96	3	5	ND	8	9	1	3	2	68	.17	.07	10	31	.48	25	.20	4	1.54	.01	.09	1	7
BL 21+00E 1+00SD	1	2	5	16	.1	2	1	57	.42	2	5	ND	4	8	1	2	2	12	.10	.01	8	8	.13	13	.13	2	.39	.01	.06	1	5
BL 21+00E 1+10SD	1	1	3	13	.1	2	1	24	.18	2	5	ND	5	5	1	2	2	5	.09	.01	7	2	.66	7	.06	2	.18	.01	.02	1	48
BL 21+00E 1+20SD	1	5	11	25	.2	6	1	70	1.56	4	5	ND	6	6	1	2	2	41	.09	.04	9	19	.20	11	.17	3	.58	.01	.04	1	4
BL 21+00E 1+30SD	1	3	8	17	.2	3	1	44	.76	2	5	ND	5	6	1	2	2	25	.08	.02	5	8	.12	12	.12	3	.43	.01	.04	1	13
BL 21+00E 1+40SD	1	7	7	27	.3	6	1	75	1.79	3	5	ND	6	6	1	2	2	38	.09	.03	8	16	.22	17	.11	2	1.02	.01	.03	1	29
BL 21+00E 1+50SD	1	4	9	13	.1	4	1	46	.65	2	5	ND	4	6	1	2	2	20	.08	.01	7	9	.13	14	.10	2	.55	.01	.03	1	3
BL 21+00E 1+60SD	1	9	11	35	.1	9	1	105	3.18	3	5	ND	6	6	1	2	2	50	.08	.07	10	28	.27	28	.16	3	1.96	.01	.05	1	90
BL 21+00E 1+70SD	1	8	12	30	.1	9	2	97	1.32	9	5	ND	3	10	1	2	2	30	.12	.03	8	13	.27	22	.13	3	.85	.01	.04	2	6
BL 21+00E 1+80SD	1	6	10	24	.2	7	1	80	2.11	3	5	ND	5	7	1	2	3	42	.08	.06	8	19	.20	23	.14	3	.76	.01	.05	1	11
BL 21+00E 1+90SD	1	6	7	19	.1	9	1	84	2.02	2	5	ND	6	7	1	3	2	35	.14	.06	11	20	.22	20	.11	3	1.34	.01	.03	1	5
BL 21+00E 2+00SD	1	4	7	22	.2	6	1	76	1.18	4	5	ND	6	9	1	2	2	28	.13	.03	6	12	.21	19	.13	2	.59	.01	.05	1	3
BL 21+00E 2+10SD	1	5	8	25	.1	7	1	76	2.11	2	5	ND	4	6	1	2	2	50	.08	.02	7	19	.20	17	.14	3	.72	.01	.05	1	5
BL 21+00E 2+20SD	1	7	9	26	.4	9	2	96	1.84	3	5	ND	6	7	1	2	2	38	.11	.02	8	17	.27	20	.14	2	1.1	.01	.07	1	6
BL 21+00E 2+30SD	1	5	5	25	.1	9	1	91	1.29	2	5	ND	4	8	1	2	2	35	.14	.03	9	17	.26	16	.15	3	.87	.01	.04	1	3
GES-S-101	1	5	6	19	.2	8	1	93	1.06	33	5	ND	3	6	1	2	5	46	.10	.01	6	20	.18	13	.11	2	.50	.01	.04	1	1
YES-S-100	1	12	5	83	.1	21	6	3881	1.76	409	5	ND	1	38	1	2	2	5	3.86	.14	3	9	.15	115	.01	9	.52	.01	.01	1	8
YES-S-101	4	52	31	111	.3	1765	258	7374	17.54	16892	5	ND	3	19	1	8	2	57	.90	.07	15	506	.88	116	.05	8	2.38	.01	.02	18	515
YES-S-102	4	83	34	156	.6	3320	264	11579	18.06	6005	5	ND	5	27	2	16	2	58	1.48	.13	13	307	1.84	281	.02	9	1.00	.01	.04	5	125
STD C/FA-AU	2	59	39	134	7.1	67	26	1231	3.97	40	17	7	37	51	17	15	21	60	.48	.13	38	60	.88	176	.08	59	1.73	.06	.12	12	49

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NORTHERN DYNASTY FILE # B5-2497

PAGE 17

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au44
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	2	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM
YES-B-103	1	83	19	90	.4	557	75	4692	2.04	806	5	ND	1	26	2	3	2	21	2.14	.10	11	197	.26	148	.03	4	.82	.01	.06	2	250
YES-B-104	1	17	34	65	.2	280	12	633	3.38	11	5	ND	1	21	1	2	2	25	.70	.11	4	308	.53	114	.01	5	.29	.01	.06	1	1
YES-SS-100	1	49	9	44	.8	23	2	46	1.17	111	14	ND	1	23	1	4	2	11	.30	.07	5	22	.04	108	.01	2	.32	.01	.04	1	22

NORTHERN DYNASTY FILE # 85-2497

PAGE 1B

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Au+1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
865-R-101	2	197	33	22	.5	146	42	2384	7.73	21	5	ND	5	28	1	2	2	72	2.27	.09	6	67	.75	26	.11	5	3.47	.15	.18	1	8
865-R-102	1	5	4	6	.1	3	1	75	.33	9	5	ND	8	2	1	6	2	1	.87	.01	3	6	.82	7	.01	3	.22	.02	.12	1	1
865-R-103	1	31	6	12	.1	403	7	321	3.81	2639	5	ND	2	8	1	7	3	18	.30	.04	4	36	.25	30	.02	2	.66	.04	.05	1	33
865-R-104	1	34	6	8	.2	30	4	635	3.30	38	5	ND	2	2	1	7	2	16	.09	.02	4	25	.19	31	.03	2	.44	.01	.03	1	1
865-R-105	1	7	4	6	.1	28	6	1084	1.12	168	5	ND	1	13	1	6	2	4	3.92	.02	3	2	.16	10	.01	2	.17	.01	.01	1	2
865-R-106	1	116	8	11	.2	73	23	558	5.11	18113	5	ND	2	1	1	8	2	32	.56	.03	4	69	.82	6	.01	6	1.34	.01	.01	81	895
865-R-107	2	73	15	32	.4	184	17	1290	11.38	64	5	ND	4	12	1	2	2	55	.88	.03	8	151	.72	35	.05	3	1.24	.06	.06	1	8
865-R-108	1	200	29	23	.4	193	46	1182	10.01	55	5	ND	6	41	1	2	2	93	2.98	.05	10	124	1.25	32	.08	5	4.82	.26	.16	1	2
865-R-109	1	5	15	42	.1	5	1	174	.44	11	5	ND	11	2	1	10	2	2	.68	.01	3	3	.83	14	.01	5	.30	.04	.12	1	1
865-R-101	1	6	6	18	.1	4	1	86	.51	73	5	ND	13	2	1	10	2	1	.84	.01	2	3	.82	7	.01	3	.26	.05	.11	1	2
865-R-100	1	19	13	34	1.7	4254	428	238	4.95	21100	5	3	2	14	1	40	6	22	.46	.04	3	21	.81	35	.05	8	.89	.03	.27	23	1336
STD C/FA-AD	21	61	60	135	7.2	68	27	1208	3.98	38	17	8	38	53	18	15	22	59	.48	.14	38	59	.88	183	.08	39	1.73	.06	.11	12	50

ARSENIC

ACME ANALYTICAL LABORATORIES LTD.
852 HASTINGS, VANCOUVER B.C.
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DATE REPORTS MAILED *Oct 8/85*

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER *D. Toye* DEAN TOYE OR TOM SAUNDY, CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE# 85-2607A

PAGE# 1

SAMPLE	Cu %	Pb %	Zn %	Ag oz/t	As %	
EAS-R17	.14	13.84	4.40	20.81	.07	<i>620</i>
EAS-R18	.32	5.99	1.85	7.36	5.38	<i>1980</i>
GX5-R111	.07	7.86	1.52	13.17	.25	<i>1180</i>
GX5-R112	.13	2.03	5.63	3.83	.17	<i>1010</i>
GX5-R113	.06	.13	.36	.31	.01	<i>52</i>

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 NCL-MNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR NH, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, V, SI, ZR, CE, SM, Y, MO AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AU** ANALYSIS BY FA-AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 30 1985 DATE REPORT MAILED: *Oct 8/85* ASSAYER: *A. J. J. J.* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-2607A

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	Ti	B	Al	Na	K	M	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
EAS-R17	1	1474	17767	46718	324.0	10	5	830	17.95	634	5	2	5	2	244	401	300	14	.02	.07	9	22	.03	13	.01	5	.18	.01	.03	1	420
EAS-R18	1	3318	18110	17383	262.6	12	51	533	16.24	24265	5	4	4	1	98	129	107	10	.01	.05	13	22	.06	25	.03	5	.23	.01	.06	1	1980
615-R111	1	709	17730	13644	393.9	12	2	606	19.84	2131	5	2	5	2	6.	309	298	15	.01	.06	3	18	.05	15	.02	2	.23	.01	.03	1	1180
615-R112	1	1366	17874	59874	135.0	143	24	1865	21.32	1561	5	3	5	1	485	73	132	21	.03	.05	14	29	.07	6	.01	2	.24	.01	.01	1	1010
615-R113	1	576	1133	3372	8.3	147	32	3671	22.27	113	5	ND	3	1	18	2	5	135	.13	.03	12	190	1.06	21	.13	2	2.53	.02	.63	1	82
STD C/FA-AU	21	59	40	136	7.0	67	26	1148	3.92	40	17	7	37	50	16	15	21	59	.48	.15	39	57	.88	170	.08	39	1.72	.06	.11	11	51

High base metal by regular assay on another page.

~~ARSENIC~~
ARSENIC

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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 Hg, Fe, Ca, P, Cr, Ag, Ba, Ti, B, Al, Na, K, V, Sr, Zn, Ce, Sn, Y, Nb AND Ta. AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: ROCK CHIPS. AUCD ANALYSIS BY FA-448 FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 30 1985 DATE REPORT MAILED: *Oct 8/85* ASSAYER: *Doyle* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-2607

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SAMPLES

	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Cr	P	La	Ce	Hg	Ba	Ti	B	Al	Na	K	B	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM

AL 8+00E 1+30NR12	1	201	239	2664	1.8	68	26	876	6.42	105	5	ND	4	7	4	2	3	161	.55	.03	2	163	1.83	54	.29	2	5.73	.03	.11	1	35
AL 8+00E 2+30SB12	1	8	5	56	.1	94	7	100	2.54	5	5	ND	3	3	1	2	5	75	.10	.01	2	370	1.61	76	.21	2	1.60	.01	.28	1	90
AL 12+00E 3+90SB12	1	35	12	46	.1	6	1	92	5.32	5362	5	ND	5	6	1	2	2	85	.19	.13	2	12	.23	46	.05	2	2.44	.01	.04	2	115
AL 18+00E 2+00NB	1	79	34	87	.5	41	11	144	5.85	31	5	ND	6	4	1	2	2	160	.12	.04	6	64	.56	34	.22	2	2.93	.01	.04	1	2
AL 18+00E 1+90NB	1	60	81	49	.4	13	1	102	6.23	5	5	ND	2	3	1	2	2	185	.11	.03	2	75	.21	21	.27	2	2.12	.02	.02	2	4
AL 18+00E 1+80NB	1	20	9	23	.2	7	1	61	1.18	25	5	ND	4	5	1	2	2	24	.08	.01	6	14	.16	9	.10	2	.90	.01	.02	1	26
AL 18+00E 1+70NB	1	3	8	26	.3	4	1	77	1.02	5	5	ND	5	4	1	2	2	31	.07	.01	2	12	.16	14	.16	2	.41	.01	.07	1	6
AL 18+00E 1+60NB	1	35	11	26	.1	31	6	103	2.85	2	5	ND	18	5	1	2	2	35	.14	.02	31	28	.21	23	.13	2	2.28	.01	.03	1	4
AL 18+00E 1+50NA	3	94	21	34	.2	21	14	706	1.67	11	5	ND	6	25	1	2	2	32	.80	.16	73	14	.06	64	.01	2	.87	.01	.02	1	2
AL 18+00E 1+40NA	2	66	10	76	.9	23	3	1375	.83	6	7	ND	5	13	1	2	2	8	2.22	.16	58	10	.09	101	.01	7	.75	.03	.02	1	12
AL 18+00E 1+30NA	1	147	27	150	1.1	51	2	236	.64	2	5	ND	4	47	2	2	2	4	2.97	.13	82	9	.11	150	.01	5	.75	.02	.02	1	1
AL 18+00E 1+20NA	1	51	60	94	1.1	24	2	43	.51	2	5	ND	3	40	1	2	2	4	2.43	.07	39	8	.11	94	.01	5	.53	.02	.02	1	1
AL 18+00E 1+10NA	1	93	55	88	.6	32	2	280	.88	3	5	ND	2	33	1	2	2	6	2.00	.11	69	15	.11	99	.01	5	.85	.01	.02	1	1
AL 18+00E 1+00NA	1	96	9	102	.6	40	1	44	.51	2	5	ND	3	46	2	2	2	2	3.08	.12	72	8	.14	115	.01	5	.67	.01	.01	1	2
STD C/FA-AU	21	60	39	135	7.1	68	26	1202	3.96	37	17	8	38	52	17	15	22	58	.48	.13	39	58	.88	180	.08	39	1.73	.06	.11	12	49

NORTHERN DYNASTY FILE # 85-2607

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SAMPLE#	Pb	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	AgIT
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	I	PPH	PPH	I	PPH	I	I	I	I	PPH	PPH	
AL 18+00E 0+90MA	1	91	77	99	1.3	24	1	137	.49	2	5	ND	12	42	3	2	2	5	2.59	.17	201	10	.10	88	.01	11	1.40	.02	.01	1	1
AL 17+00E 0+90MA	1	98	53	214	1.3	31	3	82	.66	4	5	ND	4	49	3	2	4	5	2.45	.14	91	10	.09	120	.01	3	.73	.01	.02	1	1
AL 17+00E 0+70MA	1	45	31	59	.4	12	1	48	1.39	3	5	ND	1	34	1	2	2	37	1.69	.05	53	19	.12	67	.05	5	.61	.01	.02	1	1
AL 17+00E 0+40MA	1	55	78	81	.5	21	1	13	.43	3	5	ND	1	37	2	2	2	4	2.00	.08	42	7	.07	77	.01	5	.52	.01	.01	1	2
AL 17+00E 0+50MA	1	66	49	105	.9	25	1	14	.59	2	5	ND	2	39	3	2	2	4	2.33	.13	52	8	.08	92	.01	5	.78	.01	.02	1	1
AL 17+00E 0+40MA	1	63	37	49	1.6	16	2	213	.64	2	5	ND	5	28	2	2	2	6	1.93	.13	89	10	.04	60	.01	4	.95	.01	.01	1	1
AL 18+00E 1+50S3	1	5	8	10	.1	21	1	28	.37	21	5	ND	1	1	1	2	2	19	.05	.01	2	104	.23	9	.14	2	.30	.01	.01	1	2
AL 18+00E 1+60S3	1	6	9	13	.1	34	2	38	.68	2	5	ND	1	1	1	2	2	17	.03	.02	2	245	.56	9	.08	2	.60	.01	.02	1	2
AL 18+00E 1+70S3	1	11	7	19	.2	77	5	72	1.97	11	5	ND	1	2	1	2	2	39	.03	.02	3	458	1.00	11	.08	3	1.04	.01	.01	1	3
AL 18+00E 1+80S3	1	16	12	13	.1	30	1	30	.48	6	5	ND	1		1	2	2	19	.04	.01	5	104	.20	43	.07	2	.63	.01	.02	1	4
AL 18+00E 1+90S3	1	5	7	10	.1	41	2	34	.94	13	5	ND	1	2	1	2	2	31	.06	.01	2	118	.29	22	.08	2	.41	.01	.01	1	26
AL 18+00E 2+00S3	1	7	8	24	.2	75	3	68	2.65	183	5	ND	1	2	1	2	3	55	.04	.02	2	322	.79	16	.13	2	1.12	.01	.02	1	7
AL 18+00E 2+10S3	1	15	6	25	.2	98	6	76	2.39	7	5	ND	1	2	1	3	4	56	.05	.02	4	474	1.41	18	.15	4	1.54	.01	.02	1	4
AL 18+00E 2+20S3	1	6	3	8	.1	19	1	39	.42	4	5	ND	1	2	1	2	2	17	.08	.01	2	68	.14	5	.05	2	.23	.01	.01	1	195
AL 18+00E 2+30S3	1	6	2	15	.1	23	1	76	.64	4	5	ND	1	2	1	2	2	18	.10	.1	2	75	.18	25	.05	2	.31	.01	.01	1	17
AL 18+00E 2+40S3	1	16	6	24	.1	105	7	81	1.50	8	5	ND	1	1	1	2	2	47	.06	.01	2	203	.59	15	.13	2	.82	.01	.01	3	2
AL 18+00E 2+50S3	1	16	13	31	.3	144	10	148	2.41	2	5	ND	2	3	1	2	2	56	.13	.01	4	316	1.08	53	.21	3	1.28	.01	.02	1	1
AL 18+00E 2+60S3	1	6	5	16	.1	47	2	46	.91	2	5	ND	1	3	1	2	2	40	.11	.01	2	114	.36	24	.15	2	.45	.01	.01	1	1
AL 18+00E 2+70S3	1	10	3	19	.1	117	7	85	1.18	5	5	ND	1	3	1	2	2	25	.19	.01	4	173	.50	57	.12	3	.70	.01	.01	1	1
AL 18+00E 2+80S3	1	30	16	29	.1	104	8	53	4.15	16	5	ND	3	5	1	3	3	60	.09	.03	9	306	.31	33	.06	4	2.32	.01	.02	1	2
AL 18+00E 2+90S3	1	15	15	27	.1	37	3	69	1.39	131	5	ND	1	2	1	2	2	37	.09	.03	5	110	.24	29	.05	3	1.19	.01	.01	1	2
AL 18+00E 3+00S3	1	26	18	55	.1	237	13	192	3.77	1771	5	ND	2	4	1	3	2	58	.09	.02	4	264	1.34	32	.08	3	1.79	.01	.03	4	3
AL 18+00E 3+10S3	1	6	10	33	.1	11	1	148	2.50	18	5	ND	3	14	1	2	2	56	.18	.01	5	19	.34	18	.38	2	.61	.01	.03	1	1
AL 18+00E 3+20S3	1	5	6	20	.1	9	1	52	.63	34	5	ND	3	7	1	2	2	15	.06	.01	4	11	.13	21	.09	2	.42	.01	.02	1	1
AL 18+00E 3+30S3	1	34	14	34	.1	134	11	79	4.21	2	5	ND	3	1	1	2	2	57	.05	.02	4	507	1.05	25	.20	2	2.10	.01	.02	1	1
AL 18+00E 3+40S3	1	13	15	38	.2	106	7	102	4.77	7	5	ND	3	2	1	2	2	100	.04	.02	6	308	.95	26	.25	5	1.65	.01	.03	1	5
AL 18+00E 3+50S3	1	28	13	30	.1	147	12	151	3.43	50	5	ND	3	2	1	3	2	68	.02	.01	6	318	.66	16	.16	1	1.22	.01	.01	1	1

NORTHERN DYNASTY FILE W 85-2607

FILE

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sh	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	Am	Aut
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	PPH	PPH
AL 18+00E 4+55S	1	13	16	49	.2	14	3	197	2.08	4	5	ND	6	8	1	2	2	48	.18	.01	4	24	.47	26	.21	2	1.07	.01	.07	1	1
AL 18+00E 4+60S	1	18	12	56	.2	18	3	199	2.83	12	5	ND	7	10	1	2	2	97	.18	.03	3	29	.51	20	.29	5	1.11	.01	.08	1	1
AL 18+00E 4+70S	1	14	10	72	.1	22	8	124	3.45	8	5	ND	5	5	1	2	2	105	.07	.03	4	56	.57	20	.20	2	1.68	.01	.04	1	1
AL 18+00E 4+80S	1	14	9	73	.1	20	3	198	2.53	9	5	ND	5	7	1	2	2	54	.10	.04	4	41	.49	41	.22	2	1.33	.01	.08	1	2
AL 18+00E 4+90S	1	24	16	92	.3	27	7	261	2.73	7	5	ND	8	9	1	2	2	48	.21	.03	6	51	.58	44	.19	5	1.55	.01	.09	1	1
AL 18+00E 5+00S	1	11	14	43	.2	18	3	169	1.13	2	6	ND	6	9	1	2	2	21	.23	.02	6	33	.37	36	.11	3	.80	.01	.06	2	1
AL 32+90E 3+50SA	1	19	14	94	.1	17	4	396	3.78	13	5	ND	12	21	1	2	2	29	1.20	.17	34	21	.66	69	.14	3	1.26	.01	.09	1	2
AL 32+90E 3+60S	1	15	6	17	.1	12	1	56	1.87	7	5	ND	4	5	1	2	2	38	.08	.01	4	23	.14	8	.13	2	.53	.01	.02	1	1
AL 32+90E 3+70S	1	15	16	22	.3	15	3	90	1.80	8	8	ND	7	5	1	3	2	32	.08	.02	4	26	.25	18	.12	2	1.22	.01	.04	1	1
AL 32+90E 3+80S	1	23	11	22	.2	16	3	83	1.56	9	5	ND	8	5	1	3	2	27	.10	.01	9	26	.22	21	.10	2	1.42	.01	.04	1	1
AL 32+90E 3+90S	1	14	11	21	.1	11	2	79	1.60	23	5	ND	5	5	1	2	2	27	.09	.02	4	18	.19	18	.11	2	.84	.01	.04	1	1
AL 32+90E 4+00S	1	17	12	23	.1	13	1	87	2.04	19	5	ND	7	6	1	2	2	37	.09	.03	8	28	.19	15	.15	2	1.41	.01	.03	1	2
AL 32+90E 4+20S	1	6	8	15	.2	6	1	49	1.61	5	17	ND	6	5	1	4	2	47	.05	.02	3	17	.11	13	.15	2	.55	.01	.03	1	1
AL 32+90E 4+30S	1	18	7	19	.1	15	2	83	2.09	2	5	ND	5	6	1	2	2	49	.11	.02	6	45	.25	19	.14	2	.87	.01	.03	1	1
AL 32+90E 4+40S	1	15	11	21	.1	10	2	70	2.67	4	5	ND	7	5	1	2	2	48	.10	.03	4	27	.21	21	.13	4	1.76	.01	.02	1	1
AL 32+90E 4+50SA	2	35	19	75	.2	25	10	799	2.81	84	5	ND	5	23	1	2	2	44	1.32	.10	27	21	.35	88	.03	4	1.26	.02	.04	1	1
AL 33+20E 0+60SA	1	10	12	40	.3	11	2	70	.57	3	5	ND	3	22	1	2	2	8	.35	.07	16	14	.12	46	.02	2	.58	.01	.03	1	1
AL 33+20E 0+70S	1	6	12	17	.1	4	1	25	.70	2	5	ND	4	7	1	2	2	11	.07	.02	8	14	.05	17	.05	2	1.02	.01	.02	1	1
AL 33+20E 0+80S	1	8	12	35	.1	11	1	164	2.44	2	5	ND	7	6	1	2	2	60	.07	.02	2	22	.38	20	.27	2	1.01	.01	.09	1	1
AL 33+20E 0+90S	1	11	8	39	.2	13	3	173	2.19	2	5	ND	6	6	1	2	2	34	.12	.05	4	23	.40	18	.18	2	1.45	.01	.07	1	2
AL 33+20E 1+00S	1	10	19	39	.2	43	5	52	1.84	2	5	ND	4	5	1	2	3	99	.07	.02	2	420	.94	22	.22	2	1.17	.01	.03	1	7
AL 33+20E 1+10S	1	23	17	27	.3	29	4	88	2.06	3	5	ND	8	4	1	4	3	42	.06	.02	5	113	.28	17	.11	2	1.90	.01	.04	1	3
AL 33+20E 1+20S	1	19	13	41	.1	21	4	136	2.97	2	5	ND	6	6	1	2	3	68	.09	.04	10	58	.40	21	.19	2	1.97	.01	.05	1	2
AL 33+20E 1+30S	1	13	20	50	.2	8	1	103	3.34	8	5	ND	9	5	1	2	2	56	.06	.05	5	40	.24	22	.18	3	2.64	.01	.05	1	20
AL 33+20E 1+40S	1	12	3	21	.3	11	2	94	1.24	2	5	ND	6	6	1	3	2	23	.14	.05	12	15	.22	20	.10	5	.96	.01	.04	1	1
AL 33+20E 1+50S	1	9	15	24	.2	8	2	95	1.66	4	5	ND	7	5	1	3	2	32	.10	.03	7	16	.24	13	.11	2	1.33	.01	.03	1	4
AL 33+20E 1+60S	1	8	16	53	.3	10	1	169	3.33	4	8	ND	8	7	1	2	2	107	.09	.07	2	23	.42	21	.29	2	1.24	.01	.08	1	41
AL 33+20E 1+70S	1	17	17	90	.3	19	4	316	4.17	5	10	ND	8	7	1	2	2	80	.09	.04	2	32	.74	26	.35	4	1.79	.01	.12	1	5
AL 33+20E 1+80S	1	11	13	35	.1	37	3	123	1.84	13	6	ND	6	6	1	2	2	42	.09	.02	4	87	.19	19	.18	2	1.16	.01	.06	1	2
AL 33+20E 1+90S	1	5	4	18	.2	46	4	37	.99	5	5	ND	3	4	1	2	2	37	.07	.02	2	252	.86	20	.12	2	.77	.01	.06	1	18
AL 33+20E 2+00S	1	4	10	15	.1	4	1	42	1.20	3	5	ND	4	5	1	2	2	47	.06	.02	3	15	.07	10	.10	2	.33	.01	.03	1	1
AL 33+20E 2+10S	1	11	10	24	.1	9	2	101	1.18	2	5	ND	6	6	1	2	2	21	.13	.03	7	11	.24	15	.10	2	.88	.01	.03	3	4
AL 33+20E 2+20S	1	7	8	13	.1	11	1	62	.89	2	5	ND	5	6	1	2	2	14	.14	.04	7	12	.14	12	.07	3	.64	.01	.03	1	1
AL 33+20E 2+30S	1	6	10	14	.1	7	1	89	.80	3	6	ND	4	6	1	2	2	16	.13	.04	7	11	.17	12	.08	2	.53	.01	.04	1	39
AL 33+20E 2+40S	1	7	11	18	.1	7	1	84	.88	2	5	ND	4	6	1	3	2	16	.09	.02	6	9	.15	14	.08	4	.63	.01	.03	1	8
STD C/FA-AD	21	60	41	133	7.2	68	27	1200	3.96	40	17	7	38	52	17	15	22	59	.48	.15	38	57	.88	180	.08	40	1.72	.06	.11	12	49

NORTHERN DYNASTY FILE # BS-2607

PAGE 4

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Y	Zr	Hf	W	Lu*	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	I	PPH	PPH	I	PPH	I	PPH	I	I	I	PPH	PPH
AL 33+20E 2+50SB	1	10	9	15	.1	12	2	73	1.01	2	5	ND	5	8	1	2	2	20	.15	.03	13	20	.18	26	.09	2	.82	.01	.02	1	6
AL 33+20E 2+60SB	1	10	12	23	.1	14	3	113	1.53	2	5	ND	5	9	1	2	2	25	.12	.01	5	25	.32	30	.10	6	1.28	.01	.05	1	7
AL 33+20E 2+70SB	1	10	10	13	.1	6	1	55	1.63	2	5	ND	5	5	1	5	2	24	.09	.03	4	19	.13	13	.10	4	2.04	.01	.01	1	16
AL 33+20E 2+80SB	1	9	9	15	.1	7	1	69	1.17	2	5	ND	4	7	1	2	2	18	.15	.02	6	11	.16	18	.08	3	.83	.01	.03	1	20
AL 33+20E 2+90SA	1	15	8	25	.1	5	1	72	.35	2	5	ND	1	53	1	2	2	3	7.66	.07	4	4	.07	70	.01	11	.38	.01	.01	1	1
AL 33+20E 2+90SB	1	9	8	20	.1	8	3	115	1.19	2	5	ND	6	9	1	6	3	19	.45	.01	7	12	.20	31	.10	2	.67	.01	.03	1	14
AL 33+20E 3+00SA	1	20	5	39	.1	7	4	226	.70	2	5	ND	1	48	1	4	2	8	6.87	.12	30	6	.06	67	.01	9	.72	.01	.01	1	8
AL 33+20E 3+10SA	1	24	1756	43	3.7	10	2	63	1.11	2	5	ND	3	37	1	2	2	5	3.20	.19	45	12	.03	103	.01	6	1.25	.01	.01	1	44
AL 33+20E 3+20SA	1	4	17	45	.2	2	1	36	.66	2	5	ND	1	40	1	2	2	2	3.62	.06	2	2	.06	59	.01	6	.13	.01	.01	2	1
AL 33+20E 3+30SA	1	7	10	30	.1	3	1	29	.37	2	5	ND	1	30	1	2	2	2	2.36	.06	4	2	.05	43	.01	5	.22	.01	.01	1	24
AL 33+20E 3+40SA	1	5	34	40	.5	2	1	49	.21	5	5	ND	1	26	1	2	2	2	2.30	.08	2	2	.06	29	.01	10	.10	.02	.02	1	7
AL 49+00E 8+60S	7	33	7	69	.3	45	11	299	3.03	24	5	ND	7	11	1	2	5	57	.43	.02	13	149	1.13	63	.16	6	2.19	.02	.05	1	1
EAS-S1 B02	16	110	21	56	.2	11	7	355	7.92	22723	5	ND	3	7	1	2	5	147	.19	.16	4	6	.92	60	.07	6	3.12	.03	.05	6	46
EAS-S10	22	350	17739	890	187.7	1	1	129	11.43	887	5	ND	5	4	1	765	304	12	.01	.05	7	7	.02	22	.01	5	.11	.01	.04	2	2860
EAS-S11	33	1909	17909	3642	228.7	4	1	167	17.24	11641	5	3	7	3	10	295	388	14	.02	.06	7	23	.07	33	.04	3	.46	.01	.08	2	5990
EAS-S12	20	158	553	92	3.1	203	27	2316	13.18	12213	5	ND	6	30	1	2	11	42	1.73	.05	5	266	.86	74	.11	5	2.03	.02	.32	2	160
E15-S100	1	109	463	411	1.6	36	8	325	9.97	64	5	ND	3	3	1	2	11	286	.12	.04	2	134	.66	40	.40	3	3.04	.02	.13	1	4
E15-S101	5	159	553	510	13.7	35	13	423	11.77	18	5	ND	3	4	1	2	234	161	.11	.06	4	66	.42	19	.21	5	1.61	.01	.07	3	26
E15-S102	1	147	39	82	.8	198	21	1041	14.64	20549	5	ND	4	4	1	2	35	69	.06	.10	3	107	.26	82	.08	4	1.00	.01	.04	1	295
STD C/FA-AU	21	60	40	133	7.0	68	27	1194	3.98	38	17	8	38	54	17	15	21	59	.48	.15	36	58	.88	183	.08	38	1.72	.06	.10	12	51

NORTHERN DYNASTY FILE # 85-2607

ENG 10

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	F	La	Cr	Mg	Pb	Ti	E	Al	Mn	K	W	Ag
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
EAS-R10	1	4	16	4	.7	45	9	49	80	275	5	ND	3	7	1	4	2	24	.30	.04	2	122	.14	35	.04	2	.90	.04	.27	1	6
EAS-R11	1	875	2220	6762	24.7	73	17	2479	8.65	58	5	ND	4	16	43	2	26	131	1.20	.04	10	100	1.49	113	.23	2	3.83	.08	.90	1	395
EAS-R12	1	181	93	174	3.1	317	41	537	5.11	120	5	ND	3	8	1	2	7	100	.60	.02	2	855	.88	188	.16	2	2.50	.10	.69	1	34
EAS-R13	1	267	43	80	9.4	45	11	62	8.11	30549	17	ND	3	1	1	32	5	3	.01	.01	2	10	.03	10	.01	2	.05	.01	.03	1	90
EAS-R14	1	230	25	30	5.4	1243	340	825	12.04	30412	28	ND	5	3	1	26	29	41	.07	.04	4	346	.35	13	.05	11	.66	.01	.26	1	520
EAS-R15	1	123	8	26	.8	28	29	331	7.29	27761	5	ND	3	15	1	2	2	145	.79	.03	3	12	1.22	46	.08	2	1.64	.11	.19	10	80
EAS-R16	1	89	11	21	.6	35	33	315	5.42	23814	5	ND	2	10	1	2	2	93	.71	.01	2	13	.72	29	.04	2	1.15	.09	.12	1	110
EAS-R19	1	91	25	54	1.3	314	59	1989	6.03	12549	29	ND	5	25	1	2	2	33	2.73	.02	5	159	1.10	55	.03	2	1.28	.05	.20	1	105
BTS-R100	1	38	510	14536	68.2	4394	830	84	1.50	17791	54	ND	2	1	90	618	5	2	.02	.01	2	18	.02	5	.01	2	.05	.01	.03	1	70
BTS-R101	4	326	2579	1237	129.9	25	50	274	14.00	295	19	ND	5	5	9	2	335	11	.32	.03	11	9	.11	16	.02	2	.27	.01	.10	1	240
BTS-R102	1	262	152	394	5.8	89	30	1102	7.31	215	5	ND	3	22	1	2	2	289	2.04	.08	4	169	1.72	201	.38	2	5.58	.20	1.57	1	8
BTS-R103	1	253	50	43	3.7	374	90	890	6.98	35665	7	ND	4	7	1	2	25	29	.97	.03	3	253	.32	27	.02	3	.56	.02	.12	1	405
BTS-R104	1	56	17	49	1.3	197	25	733	4.52	11912	6	ND	4	4	1	2	3	94	.43	.03	2	681	.88	72	.09	9	1.30	.02	.20	1	21
BTS-R105	1	194	25	65	.6	64	26	237	3.30	501	5	ND	2	49	1	2	2	91	2.85	.04	5	117	1.67	95	.17	2	4.63	.39	.76	1	8
BTS-R106	1	12	7	13	.2	62	6	171	1.04	156	5	ND	1	3	1	2	2	13	.35	.01	3	123	.47	24	.02	2	.39	.03	.09	1	9
BTS-R107	1	79	24	35	.9	78	30	284	5.04	37073	5	ND	2	17	1	2	2	65	1.05	.04	2	37	.44	70	.06	16	2.12	.12	.28	1	290
BTS-R108	1	125	24	58	1.3	89	48	513	6.70	35921	5	ND	2	25	1	2	2	97	1.43	.08	7	54	.69	65	.09	19	2.95	.18	.44	1	420
BTS-R109	1	37	28	43	2.2	142	70	354	9.85	30332	5	ND	3	9	1	10	5	59	.48	.05	8	29	.54	26	.07	16	1.40	.04	.31	1	1740
BTS-R110	1	90	8	14	.5	21	17	175	4.36	19230	5	ND	2	23	1	2	2	71	.80	.02	2	5	.55	34	.04	2	1.65	.14	.12	1	1120

STD C/PPM-AU 21 58 39 137 7.1 69 27 1182 3.93 39 17 7 38 51 17 15 20 57 .48 .15 36 59 .88 176 .08 39 1.72 .06 .10 11 52

Assay required for correct result _____

See upper limit 10,000 ppm.

2. CASTOR LAKE PROPERTY

List of Chemical Analyses

GEOCHEMICAL ICP ANALYSIS

.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, CA, P, CR, Ni, BA, TI, B, AL, NA, K, V, SI, ZR, CE, SM, Y, ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOILS -60 MESH AU+4 ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 26 1985 DATE REPORT MAILED: *Aug 1/85* ASSAYER: *J. Saundry* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-1603

PAGE 1

SAMPLE	No PPM	Cu PPM	Pb PPM	Zn PPM	Hg PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Ka %	K %	N PPM	Au+4 PPM
80 14+SM A	2	11	20	12	.1	8	1	71	.24	2	5	ND	1	29	1	5	2	3	.25	.08	4	7	.03	207	.01	7	.27	.01	.05	1	6
80 13+SM A	1	15	25	11	.1	9	2	35	.41	2	5	ND	1	31	1	2	2	6	.19	.07	8	5	.04	156	.01	11	.36	.01	.05	1	2
80 12+SM A	1	22	25	37	.1	14	2	35	.30	3	5	ND	1	39	1	2	4	5	.25	.08	7	5	.03	150	.01	5	.42	.01	.04	1	12
80 11+SM A	1	22	27	22	.1	14	2	48	.61	5	5	ND	1	22	1	3	3	5	.19	.11	12	5	.03	150	.01	5	.56	.01	.04	1	2
80 10+SM A	1	21	15	31	.1	17	2	36	.29	2	5	ND	1	39	1	2	2	4	.32	.04	3	5	.03	140	.01	3	.25	.01	.04	1	2
80 10+ON A	1	26	38	38	.4	18	3	60	1.09	7	5	ND	1	19	1	2	4	10	.18	.10	7	7	.05	97	.01	3	.42	.01	.07	1	2
80 9+SM A	1	19	24	35	.2	10	1	211	.72	2	5	ND	1	14	1	2	2	7	.28	.08	3	12	.04	114	.01	4	.31	.01	.06	1	3
80 9+ON A	1	89	24	8	.1	14	1	21	.74	3	5	ND	1	5	1	5	3	6	.03	.12	15	18	.04	56	.01	2	.80	.01	.03	1	5
80 8+SM A	1	26	25	22	.3	18	2	58	.78	5	5	ND	1	14	1	2	2	8	.12	.09	8	8	.04	99	.01	4	.57	.01	.04	1	2
80 8+ON A	1	15	23	20	.2	9	2	91	.44	2	5	ND	1	11	1	2	5	7	.12	.05	7	8	.03	112	.02	3	.29	.01	.04	1	8
80 7+SM A	1	28	21	26	.1	22	4	58	.59	4	5	ND	1	26	1	2	2	6	.41	.04	6	6	.04	152	.01	5	.47	.01	.04	1	12
80 7+ON A	2	298	9	9	.6	110	4	179	1.15	2	5	ND	20	34	1	2	2	4	1.32	.20	267	20	.09	66	.01	6	1.96	.01	.02	1	3
80 5+SM B	1	27	8	26	.2	9	6	61	1.75	7	5	ND	6	15	1	2	4	36	.22	.08	23	5	.29	78	.07	2	1.19	.01	.12	1	2
80 5+ON A	1	22	10	13	.4	17	4	24	.57	8	5	ND	2	38	1	3	2	5	.14	.04	9	5	.04	127	.01	3	.35	.01	.03	1	11
80 4+SM A	1	5	10	22	.1	3	3	107	1.29	16	5	ND	1	4	1	2	2	32	.25	.02	2	5	.16	43	.06	2	.63	.02	.04	1	24
80 4+SM A	1	19	20	41	.2	7	3	151	1.75	34	5	ND	1	7	1	2	2	35	.16	.05	6	7	.25	42	.03	2	.83	.01	.03	1	7
80 4+SM A	2	34	13	28	.3	11	4	121	1.50	38	5	ND	1	5	1	2	3	42	.10	.04	8	15	.27	60	.03	2	1.01	.01	.03	1	4
80 4+SM A	3	37	25	43	.2	26	5	268	2.98	111	5	ND	2	9	1	2	2	76	.21	.04	8	48	.42	124	.12	3	1.38	.01	.04	1	7
80 4+ON A	2	21	22	35	.1	10	1	207	.62	43	5	ND	1	20	1	2	2	10	.36	.05	6	10	.07	120	.02	4	.37	.01	.04	1	2
80 3+SM A	1	20	22	35	.1	12	2	225	.54	34	5	ND	1	34	1	2	4	8	.39	.04	6	8	.06	144	.01	3	.39	.01	.04	1	3
80 3+SM A	1	17	16	16	.1	8	2	46	.43	37	5	ND	1	26	1	2	2	6	.18	.04	7	8	.03	173	.01	2	.30	.01	.03	1	8
80 3+SM A	2	13	17	15	.2	9	1	52	.30	53	5	ND	1	36	1	2	2	4	.28	.07	3	5	.05	124	.01	3	.31	.01	.05	1	3
80 3+SM A	2	15	35	20	.1	12	2	60	.38	49	5	ND	1	25	1	2	2	6	.20	.08	4	10	.05	126	.01	4	.32	.01	.07	1	6
80 3+ON A	1	17	21	31	.2	8	1	44	.41	25	5	ND	1	13	1	2	2	6	.15	.04	4	7	.04	99	.01	3	.29	.01	.04	1	2
80 2+SM A	1	18	34	58	.3	19	2	271	.53	39	6	ND	1	13	1	2	2	8	.24	.08	3	24	.06	152	.01	6	.32	.01	.11	1	6
80 2+ON A	4	31	28	122	.4	213	26	3547	6.18	192	5	ND	1	25	1	2	2	71	1.44	.07	6	189	2.36	123	.17	6	2.81	.01	.14	1	5
80 1+SM A	1	8	6	16	.3	13	3	83	.35	3	5	ND	2	21	1	2	2	3	.32	.11	8	10	.08	59	.01	2	.57	.01	.03	1	2
80 1+SM A	4	49	22	84	.4	304	29	3540	4.96	1958	5	ND	2	15	1	2	2	63	.70	.04	4	556	2.32	79	.17	4	2.53	.01	.14	1	45
80 1+ON A	1	13	21	34	.1	24	3	158	.80	83	5	ND	1	12	1	3	4	13	.33	.04	3	52	.12	103	.03	2	.30	.01	.04	1	35
80 0+SM A	1	18	29	31	.1	32	3	194	.61	78	5	ND	1	25	1	4	2	7	.51	.08	11	21	.14	97	.02	3	.38	.01	.09	1	9
80 0+ON A	1	31	13	28	.2	90	8	308	1.29	171	5	ND	5	24	1	3	2	18	1.35	.04	33	100	.41	78	.06	3	.97	.02	.04	1	17
80 0+SM B	2	9	8	8	.4	3	1	31	1.83	3	5	ND	2	3	1	3	2	21	.04	.02	5	8	.05	14	.05	2	.46	.01	.03	1	2
80 0+ON B	1	3	11	8	.1	4	1	42	.93	4	5	ND	6	4	1	5	3	34	.04	.01	5	13	.09	8	.17	2	.37	.01	.02	1	1
80 5+SM B	3	19	14	53	.4	12	10	128	3.76	8	5	ND	4	4	1	2	2	92	.10	.01	9	8	.01	50	.21	2	2.04	.01	.13	1	3
80 4+SM B	2	8	8	19	.2	8	2	109	1.89	24	5	ND	1	2	1	2	3	67	.05	.02	3	25	.25	20	.08	2	.83	.01	.02	1	3
80 2+ON B	5	57	29	224	.5	291	26	959	6.20	365	5	ND	2	9	1	2	2	121	.44	.02	5	629	3.91	44	.28	5	5.63	.01	.12	1	5
STD C/FA-30	21	59	40	129	6.9	70	26	1104	3.96	39	19	7	36	51	17	15	20	59	.48	.13	39	59	.88	184	.08	38	1.72	.04	.12	12	54

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NORTHERN DYNASTY FILE # 85-1603

PAGE 2

SAMPLE#	Pb	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Mu++
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	1	1	1	PPH	PPH	
00 1+SH B	9	96	10	80	.2	432	43	9277	8.23	6356	5	ND	2	64	1	2	2	86	3.90	.04	9	656	3.93	179	.17	3	3.38	.02	.13	1	490
00 11+SH B1	1	2	2	3	.1	5	1	142	.56	118	5	ND	3	3	1	3	2	9	.06	.01	4	8	.01	12	.03	2	.15	.01	.03	1	7
00 13+SH B1	1	4	9	13	.1	8	1	47	.89	5	7	ND	3	4	1	4	5	29	.04	.01	5	11	.14	20	.10	2	.58	.01	.02	1	1
00 12+SH B1	1	2	2	7	.1	3	1	34	.68	2	7	ND	5	3	1	2	2	24	.04	.01	4	7	.07	10	.12	2	.31	.01	.04	1	3
00 11+SH B1	1	2	2	4	.1	2	1	24	.76	3	5	ND	4	3	1	2	2	16	.03	.01	4	8	.02	7	.06	2	.26	.01	.02	1	1
00 10+SH B1	1	4	13	13	.1	5	1	68	.86	2	5	ND	3	5	1	3	2	27	.07	.01	4	9	.17	11	.17	3	.53	.01	.03	1	4
00 10+OH B1	4	16	17	10	.1	4	1	67	4.35	11	6	ND	4	3	1	2	4	69	.02	.02	5	17	.05	16	.10	4	.40	.01	.03	1	1
00 9+OH B1	1	12	8	5	.1	3	1	22	.64	2	5	ND	1	2	1	4	2	10	.01	.03	5	12	.03	12	.01	2	.36	.01	.02	1	11
00 7+SH B1	1	20	10	9	.4	14	1	44	1.64	16	5	ND	2	3	1	5	2	71	.05	.01	11	52	.27	16	.13	3	.81	.01	.03	1	2
00 5+OH B1	1	3	3	2	.1	1	1	17	.28	2	5	ND	2	4	1	2	2	8	.02	.01	5	4	.02	14	.04	2	.21	.01	.02	1	2
00 4+OH B1	1	4	7	9	.1	2	1	53	.92	6	5	ND	2	3	1	2	3	42	.09	.01	4	8	.08	21	.11	4	.49	.01	.05	1	18
00 4+OH B1	1	4	6	7	.1	2	1	58	.65	5	5	ND	1	1	1	2	2	17	.02	.01	4	5	.08	11	.04	2	.36	.01	.03	1	4
00 4+OH B1	1	3	5	4	.1	2	1	35	.54	14	5	ND	3	3	1	2	2	19	.05	.01	4	7	.06	13	.05	5	.24	.01	.03	1	1
00 3+OH B1	1	2	6	4	.1	1	1	28	.65	7	5	ND	4	3	1	2	3	16	.03	.01	5	6	.04	9	.07	3	.18	.01	.03	1	1
00 3+OH B1	1	2	4	2	.1	1	1	13	.35	21	5	ND	2	2	1	2	2	7	.02	.01	4	5	.01	12	.03	3	.11	.01	.02	1	9
00 3+OH B1	1	2	2	3	.1	2	1	20	.29	4	5	ND	3	3	1	2	2	7	.05	.01	4	6	.01	9	.06	5	.16	.01	.02	1	1
00 3+OH B1	1	2	6	3	.1	2	1	17	.27	6	5	ND	2	3	1	2	2	8	.03	.01	5	4	.03	12	.05	2	.17	.01	.02	1	2
00 3+OH B1	1	2	7	4	.1	1	1	20	.31	10	5	ND	2	3	1	2	2	10	.03	.01	4	4	.03	12	.06	2	.22	.01	.03	1	1
00 2+SH B1	1	3	5	5	.1	2	1	22	.40	11	6	ND	3	3	1	2	2	12	.03	.01	5	11	.03	13	.05	2	.18	.01	.03	1	2
00 1+OH B1	1		9	6	.1	15	1	38	.75	259	5	ND	2	3	1	2	2	18	.05	.01	4	49	.16	14	.08	2	.25	.01	.03	1	65
00 0+SH B1	1	30	11	75	.1	68	6	166	1.91	742	6	ND	5	11	1	2	2	29	.21	.02	15	188	.86	21	.10	3	1.20	.01	.09	1	49
00 13+SH B2	1	10	14	28	.1	20	4	71	3.27	15	8	ND	5	6	1	4	3	96	.07	.03	7	37	.32	25	.15	2	1.40	.01	.05	1	1
00 12+SH B2	1	9	11	19	.1	7	1	72	2.76	8	5	ND	4	5	1	2	3	88	.06	.02	6	17	.19	14	.26	2	.77	.01	.05	1	5
00 10+SH B2	2	16	22	27	.1	10	3	127	3.36	7	8	ND	12	5	1	4	2	35	.07	.02	13	26	.36	14	.13	5	2.31	.01	.04	1	6
00 10+OH B2	4	17	15	10	.1	3	1	58	4.21	15	5	ND	2	2	1	2	5	68	.02	.03	4	17	.04	12	.09	2	.37	.01	.03	1	1
00 7+SH B2	4	16	17	14	.1	16	2	86	4.72	26	5	ND	5	4	1	2	5	132	.09	.02	16	44	.17	19	.14	2	1.23	.01	.02	1	2
00 5+OH B2	1	6	10	11	.1	4	1	31	1.54	8	5	ND	3	4	1	2	2	41	.05	.01	7	9	.15	12	.12	2	.82	.01	.03	1	3
00 4+OH B2	2	37	16	33	.1	23	1	154	6.43	88	5	ND	4	3	1	2	7	136	.10	.03	5	94	.44	36	.14	2	1.90	.01	.04	1	2
00 4+OH B2	1	23	11	12	.1	10	2	56	2.08	10	5	ND	7	3	1	2	6	23	.06	.02	7	26	.14	20	.08	2	2.02	.01	.03	1	1
00 3+OH B2	1	17	20	29	.1	15	4	111	3.18	56	5	ND	7	5	1	2	4	42	.09	.02	8	37	.42	25	.16	3	2.49	.01	.05	1	1
00 3+OH B2	2	6	12	7	.1	5	1	40	1.67	56	8	ND	5	3	1	2		26	.05	.02	7	18	.09	11	.09	2	1.62	.01	.02	1	4
00 3+OH B2	1	10	8	16	.1	7	2	94	1.29	5	5	ND	10	5	1	2	2	17	.12	.02	14	12	.23	14	.09	2	.78	.01	.02	1	1
00 3+OH B2	1	11	9	9	.1	15	4	49	1.68	11	8	ND	6	5	1	2	2	22	.07	.01	10	18	.14	31	.08	3	1.82	.01	.04	1	2
00 3+OH B2	1	14	10	22	.1	12	3	130	2.07	11	5	ND	7	4	1	2	2	27	.09	.01	25	21	.29	28	.12	5	1.70	.01	.04	1	1
00 2+SH B2	1	12	13	23	.1	30	3	82	2.39	108	5	ND	6	5	1	2	2	49	.07	.01	9	120	.26	23	.13	3	1.71	.01	.05	1	6
00 1+OH B2	1	10	11	15	.1	29	4	67	2.51	872	5	ND	4	5	1	2	2	34	.10	.01	7	95	.19	12	.10	2	1.26	.01	.04	1	13
STD C/FA AU	21	61	43	125	7.4	66	27	1073	3.94	60	16	7	37	49	19	15	20	57	.68	.12	38	60	.88	177	.07	39	1.72	.06	.13	12	50

NORTHERN DYNASTY FILE # 85-1603

SAMPLED	No PPR	Cu PPR	Pb PPR	Zn PPR	Ag PPR	Ni PPR	Co PPR	Mn PPR	Fe %	As PPR	U PPR	Mu PPR	Th PPR	Sr PPR	Ca PPR	Sb PPR	Bi PPR	V PPR	Cr %	P %	La PPR	Ce PPR	Hg %	Ba PPR	Ti %	B PPR	Al %	Na %	K %	M PPR	Mu14 PPR
BB 0-5N B2	1	9	9	12	.1	28	3	75	1.00	980	5	ND	10	4	1	3	2	25	.12	.01	9	36	.18	12	.08	2	1.24	.01	.02	1	3
CP 1-45N A	1	8	6	12	.1	5	1	57	.81	9	5	ND	2	5	1	2	2	17	.06	.02	4	7	.06	51	.03	2	.29	.01	.01	1	5
CP 1-35N A	1	9	19	23	.1	4	1	41	.38	2	5	ND	1	16	1	2	2	1	.11	.04	4	4	.03	86	.01	3	.32	.01	.03	1	1
CP 1-25N A	1	16	26	12	.1	8	1	47	.55	2	5	ND	3	20	1	3	3	7	.10	.05	16	3	.05	85	.01	3	.45	.01	.05	1	3
CP 1-15N A	1	9	15	26	.1	5	1	47	.34	2	5	ND	1	22	1	2	2	7	.30	.03	2	4	.03	92	.02	3	.18	.01	.02	1	6
CP 1-105N A	1	23	33	44	.6	10	1	106	.87	2	5	ND	2	24	1	5	2	12	.29	.04	18	4	.06	141	.05	2	.43	.01	.04	1	13
CP 1-100N A	1	13	15	12	.3	8	1	44	.83	2	5	ND	3	20	1	2	2	14	.12	.06	7	7	.05	99	.04	3	.54	.01	.03	1	8
CP 0-95N A	5	77	18	26	.2	18	3	97	1.29	7	5	ND	2	21	1	2	3	23	.17	.10	15	25	.05	66	.01	3	.48	.01	.03	1	15
CP 0-85N A	1	134	21	8	.2	16	3	26	1.49	2	5	ND	4	11	1	2	5	2	.10	.15	37	18	.02	35	.01	2	1.60	.01	.02	1	27
CP 0-80N A	1	46	13	8	.1	11	1	44	.82	2	5	ND	4	9	1	2	2	2	.15	.17	33	6	.02	25	.01	3	1.13	.01	.02	1	180
CP 0-70N A	1	19	7	17	.3	14	3	80	1.02	2	5	ND	2	15	1	2	4	10	.23	.09	11	9	.20	72	.04	4	.70	.01	.11	1	55
CP 0-60N A	1	12	20	23	.2	7	1	34	.77	3	5	ND	3	20	1	3	2	5	.23	.06	4	4	.04	116	.02	5	.25	.01	.04	1	8
CP 0-55N A	1	16	7	20	.1	9	2	47	.65	2	5	ND	1	24	1	2	2	12	.33	.05	3	5	.14	96	.02	4	.48	.01	.02	1	2
CP 0-50N A	1	11	17	16	.1	4	1	48	.61	4	5	ND	1	8	1	3	2	12	.13	.04	5	2	.07	58	.03	3	.37	.02	.03	1	15
CP 0-48N A	1	13	20	20	.1	4	1	60	.42	6	5	ND	1	13	1	2	2	9	.14	.05	4	7	.04	50	.02	3	.32	.01	.02	1	19
CP 0-44N A	1	8	12	14	.2	3	1	51	.45	7	5	ND	1	10	1	2	6	9	.11	.04	4	4	.63	57	.03	3	.22	.01	.02	1	4
CP 0-43N A	1	22	17	25	.1	7	1	66	.44	7	5	ND	2	13	1	3	7	9	.18	.03	8	6	.05	95	.04	4	.27	.01	.03	1	5
CP 0-42N A	1	12	13	27	.2	5	1	54	.41	13	5	ND	1	14	1	2	4	8	.13	.04	5	6	.04	89	.02	2	.21	.01	.04	1	18
CP 0-40N A	1	28	26	38	.1	9	2	97	.61	50	5	ND	4	33	1	2	2	9	.35	.07	16	6	.08	149	.02	2	.39	.01	.07	1	4
CP 0-38N A	1	9	4	18	.1	4	1	37	.37	15	5	ND	1	13	1	2	5	7	.16	.02	4	4	.03	69	.02	2	.19	.01	.03	1	1
CP 0-36N A	1	8	14	23	.3	6	1	115	.73	100	5	ND	1	12	1	2	2	14	.22	.03	3	8	.04	63	.03	2	.23	.01	.02	1	6
CP 0-34N A	1	17	26	33	.1	11	1	115	.70	63	5	ND	1	19	1	2	2	11	.23	.05	7	8	.07	89	.03	3	.38	.01	.07	1	8
CP 0-32N A	1	18	20	19	.1	7	1	63	.54	39	5	ND	1	13	1	2	3	9	.17	.03	6	6	.06	75	.02	4	.30	.01	.04	1	6
CP 0-30N A	1	9	9	10	.1	6	1	34	.64	36	5	ND	4	11	1	2	4	10	.10	.02	5	7	.03	59	.02	2	.21	.01	.03	1	10
CP 0-28N A	1	19	19	16	.2	16	2	149	.58	35	5	ND	2	25	1	2	2	9	.38	.04	7	7	.05	84	.02	2	.28	.01	.04	1	7
CP 0-26N A	1	19	16	22	.1	14	2	164	.48	28	5	ND	2	21	1	3	5	8	.33	.05	6	6	.05	90	.01	4	.24	.01	.04	1	11
CP 0-24N A	1	47	16	20	.2	29	4	47	.61	33	5	ND	1	49	1	2	2	7	.47	.06	15	5	.07	124	.01	4	.44	.01	.06	1	3
CP 0-22N A	1	11	15	17	.1	11	2	58	.61	27	7	ND	1	25	1	4	2	8	.29	.06	2	6	.09	52	.03	3	.29	.01	.04	1	6
CP 0-20N A	2	33	3	5	.6	76	9	1632	.70	62	5	ND	1	64	1	2	2	9	3.98	.11	22	11	.31	113	.01	3	.79	.01	.01	1	2
CP 0-15N A	1	19	6	21	.5	18	2	73	.41	16	5	ND	6	36	1	2	2	2	1.07	.05	24	5	.10	77	.01	2	.34	.01	.02	1	1
CP 0-10N A	1	5	12	18	.2	6	1	43	.23	31	5	ND	2	16	1	2	2	6	.52	.04	4	5	.06	26	.04	5	.18	.01	.03	1	2
CP 1-35N AB	1	2	2	3	.1	1	1	18	.51	1	5	ND	4	3	1	2	2	13	.03	.01	3	4	.02	8	.08	2	.14	.01	.01	1	1
CP 1-45N AB	1	8	2	11	.1	5	1	59	.96	2	5	ND	3	3	1	2	3	34	.04	.01	4	10	.10	23	.09	2	.47	.01	.01	1	2
CP 1-35N AB	1	1	3	5	.1	1	1	28	.62	2	5	ND	5	3	1	5	10	.03	.01	5	4	.04	8	.06	2	.22	.01	.02	1	2	
CP 1-25N AB	1	2	2	3	.1	1	1	22	.25	2	5	ND	2	3	1	2	3	7	.02	.01	4	4	.02	16	.02	2	.20	.01	.01	1	2
CP 1-15N AB	1	2	2	3	.1	1	1	19	.46	2	5	ND	4	3	1	5	3	16	.04	.01	4	3	.02	9	.08	2	.15	.01	.02	1	3
STD C/FA-MU	21	59	39	135	7.0	72	24	1155	5.95	41	17	8	40	53	17	15	20	61	.48	.13	38	60	.98	174	.08	38	1.72	.06	.11	11	50

NORTHERN DYNASTY FILE # 85-1603

SAMPLE#	Pb	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Ce	Mg	Ba	Ti	B	Al	Ka	K	M	Au+1
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	I	PPH	PPH	I	PPH	I	PPH	I	I	I	PPH	PPH
CP 1405H AB	1	14	13	12	.2	3	1	33	2.08	2	5	ND	9	3	1	2	2	31	.05	.01	15	5	.05	.66	.20	7	.50	.01	.03	1	4
CP 1406H AB	1	3	5	5	.1	3	1	24	.93	2	5	ND	3	3	1	2	2	34	.03	.01	4	10	.04	10	.16	2	.29	.01	.02	1	1
CP 0470H AB	1	6	2	33	.1	24	5	181	1.72	2	6	ND	4	6	1	2	2	31	.67	.02	3	14	.74	143	.18	6	1.10	.01	.44	1	3
CP 0480H AB	1	3	6		.1	4	1	31	.48	3	5	ND	2	3	1	2	2	16	.04	.01	4	8	.07	9	.10	2	.29	.01	.02	1	5
CP 0481H AB	1	3	7	4	.1	2	1	34	.41	2	5	ND	3	2	1	2	2	19	.02	.01	6	5	.03	16	.10	3	.30	.01	.01	1	14
CP 0444H AB	1	8	10	13	.1	3	1	48	3.37	8	5	ND	7	4	1	2	2	63	.05	.02	6	17	.11	21	.12	2	1.27	.01	.04	1	1
CP 0444H AB	1	2	2	4	.1	1	1	29	.38	3	5	ND	3	3	1	3	2	10	.03	.01	4	4	.03	16	.05	3	.24	.01	.02	1	1
CP 0442H AB	1	2	4	6	.2	2	1	24	.63	5	5	ND	4	4	1	2	4	15	.04	.01	6	6	.04	21	.05	4	.23	.01	.03	1	2
CP 0440H AB	1	10	10	13	.1	7	1	52	.93	13	5	ND	4	8	1	2	2	21	.08	.02	10	18	.11	45	.11	2	.48	.01	.04	1	1
CP 0438H AB	1	1	2	2	.1	1	1	15	.27	6	5	ND	2	3	1	2	2	8	.03	.01	4	3	.02	10	.04	2	.13	.01	.02	1	2
CP 0434H AB	1	3	4	8	.1	3	1	42	.38	24	5	ND	2	5	1	3	3	9	.07	.01	4	8	.04	29	.04	6	.14	.01	.03	1	12
CP 0434H AB	1	2	2	7	.1	3	1	33	.65	10	5	ND	5	4	1	2	3	17	.04	.01	3	5	.09	11	.09	2	.28	.01	.04	1	5
CP 0432H AB	1	4	6	5	.1	1	1	23	.27	23	5	ND	3	4	1	2	2	8	.05	.01	4	5	.03	17	.04	3	.16	.01	.02	1	1
CP 0430H AB	1	2	5	5	.1	2	1	31	.57	18	5	ND	3	3	1	2	2	18	.03	.01	4	7	.05	12	.09	2	.22	.01	.04	1	2
CP 0428H AB	1	1	2	3	.1	2	1	21	.41	9	5	ND	4	3	1	2	5	11	.03	.01	4	7	.03	6	.04	2	.13	.01	.03	1	395
CP 0424H AB	1	1	2	2	.1	1	1	20	.42	7	5	ND	4	3	1	2	2	11	.03	.01	3	5	.02	7	.03		.12	.01	.03	1	1
CP 0424H AB	1	7	2	5	.1	4	1	23	.60	20	5	ND	3	7	1	2	2	10	.08	.01	6	6	.05	18	.05	2	.25	.01	.02	1	1
CP 0422H AB	1	3	4	2	.1	2	1	16	.23	4	5	ND	3	4	1	4	2	9	.04	.01	3	7	.03	7	.04	2	.18	.01	.02	1	1
CP 1455H B	1	18	19	39	.1	14	5	179	3.45	2	5	ND	11	7	1	2	2	57	.09	.03	22	22	.49	34	.21	3	1.90	.01	.04	1	2
CP 1455H B	1	27	11	27	.1	9	2	80	3.20	6	5	ND	8	4	1	3	2	71	.07	.04	10	34	.21	27	.09	3	2.47	.01	.03	1	1
CP 1455H B	1	17	16	37	.1	9	2	133	2.85	2	5	ND	13	5	1	2	2	42	.10	.07	12	21	.31	20	.16	2	2.09	.01	.04	1	1
CP 1455H B	1	15	16	34	.1	10	2	143	4.82	4	5	ND	16	6	1	2	2	78	.05	.04	13	29	.38	26	.25	2	3.00	.01	.07	1	35
CP 1405H B	4	34	21	30	.1	5	1	86	11.39	7	5	ND	13	4	1	2	2	93	.04	.08	19	24	.13	20	.31	6	1.47	.01	.04	1	2
CP 1406H B	2	29	19	22	.1	28	2	87	7.55	2	5	ND	16	5	1	2	2	62	.05	.04	23	106	.34	17	.16	9	2.18	.01	.03	1	4
CP 0460H B	1	8	3	10	.1	5	1	57	1.07	2	5	ND	7	4	1	3	2	15	.08	.01	11	12	.13	8	.07	2	.85	.01	.02	1	3
CP 0444H B	1	17	7	17	.1	6	3	75	2.94	2	5	ND	10	4	1	2	2	43	.10	.05	14	14	.19	19	.10	4	3.11	.01	.04	1	23
CP 0444H B	1	15	7	17	.1	9	3	83	1.66	2	5	ND	10	5	1	2	2	20	.10	.04	13	18	.22	20	.08	7	1.52	.01	.03	1	5
CP 0442H B	1	10	7	14	.1	7	2	44	2.37	4	5	ND	9	6	1	5	2	28	.10	.03	11	21	.16	20	.10	3	1.78	.01	.03	1	14
CP 0438H B	1	14	10	17	.1	10	3	80	2.24	5	5	ND	11	5	1	4	2	28	.08	.03	12	22	.20	24	.09	4	2.16	.01	.04	1	7
CP 0434H B	1	13	11	15	.1	9	3	69	2.13	8	6	ND	11	4	1	2	2	25	.07	.03	10	24	.19	22	.09	3	2.15	.01	.04	1	4
CP 0434H B	1	9	7	26	.1	9	3	187	2.25	9	5	ND	7	5	1	2	2	47	.08	.01	7	16	.33	23	.16	2	1.13	.01	.04	1	8
CP 0432H B	1	12	11	17	.1	9	2	72	2.93	59	5	ND	9	4	1	3	2	44	.06	.02	8	23	.20	24	.12	4	2.05	.01	.04	1	7
CP 0430H B	1	13	8	14	.1	7	2	67	2.29	13	5	ND	6	4	1	4	2	37	.05	.01	8	17	.19	23	.12	7	1.10	.01	.05	1	5
CP 0428H B	1	19	2	13	.1	15	4	64	2.16	17	5	ND	8	5	1	3	2	31	.06	.02	7	18	.17	23	.10	7	1.34	.01	.05	1	1
CP 0424H B	1	14	3	12	.1	12	3	66	1.50	12	7	ND	9	4	1	2	2	23	.07	.01	8	20	.16	16	.09	2	1.32	.01	.04	1	2
CP 0424H B	1	27	7	19	.1	26	6	104	2.19	39	5	ND	10	7	1	3	2	33	.12	.01	14	41	.29	29	.12	2	1.68	.01	.05	1	2
STD C/FA AU	19	58	38	133	7.0	72	27	1149	3.91	60	15	8	40	52	18	16	19	61	.48	.13	39	63	.88	172	.08	37	1.72	.07	.13	12	52

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Li	B	Al	Na	K	M	Ag**
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	1	1	1	1	PPH	PPH
CP 0+22N B	2	24	8	33	.1	112	13	631	2.00	69	5	ND	8	47	1	2	2	35	.52	.01	10	119	1.29	55	.13	3	2.73	.08	.14	1	12
CP 0+10M T	2	4	7	28	.1	21	4	154	1.53	95	5	ND	7	8	1	2	3	24	.31	.02	8	17	.35	25	.18	2	.88	.01	.03	1	1
ECS-S-1	4	16	17	18	.1	5	1	134	10.24	16	5	ND	5	2	1	2	8	58	.02	.04	3	42	.10	11	.07	2	.43	.01	.01	2	10
ECS-S-2	4	9	10	10	.1	1	1	68	6.47	84	5	ND	2	1	1	3	6	43	.01	.03	2	14	.02	7	.04	2	.11	.01	.01	11	6
ECS-S-3	5	40	21	23	.3	9	1	132	14.53	21	5	ND	4	1	1	2	7	70	.04	.04	2	78	.19	11	.05	2	.74	.01	.01	3	3
ECS-SS-1	1	5	14	39	.1	6	1	154	.61	6	5	ND	1	15	1	3	2	8	.72	.05	4	7	.16	34	.03	5	.37	.01	.01	1	1
BCS-S-1	4	43	24	54	.1	127	9	449	6.24	24	5	ND	4	4	1	3	2	64	.27	.05	7	96	.85	34	.07	2	1.79	.01	.03	1	4
BCS-S-2	5	33	24	55	.1	87	9	154	5.04	119	5	ND	4	3	1	2	7	84	.14	.02	3	137	.48	58	.12	2	2.23	.01	.05	2	32
BCS-S-3	5	50	32	47	.2	135	16	163	7.51	211	5	ND	4	2	1	2	4	100	.14	.03	2	157	.44	29	.13	7	2.64	.01	.02	1	10
BCS-S-4	7	194	23	119	.3	648	55	5793	8.95	5255	5	ND	4	20	1	2	2	134	1.61	.06	13	424	3.38	205	.26	2	5.05	.06	.29	1	190
BCS-S-5	7	64	14	42	.1	94	8	6427	5.13	754	5	ND	1	29	1	2	2	40	24.70	.02	2	117	6.55	251	.07	3	.97	.01	.48	1	47
IF 0+00E	1	11	6	10	.1	7	2	453	.90	42	5	ND	1	4	1	6	2	7	1.02	.02	2	5	.52	22	.09	2	1.41	.01	.03	1	6
IF 0+05E	1	8	11	11	.1	7	1	53	1.98	12	5	ND	4	5	1	3	2	17	.04	.01	3	16	.16	18	.15	2	1.02	.01	.02	1	1
IF 0+10E	2	15	9	12	.1	6	1	59	2.24	11	5	ND	4	4	1	3	2	71	.08	.01	4	24	.13	18	.16	2	.67	.01	.02	1	1
IF 0+15E	2	11	22	20	.1	10	3	80	3.04	7	5	ND	12	5	1	3	3	49	.07	.01	8	24	.22	24	.15	2	1.73	.01	.02	1	9
IF 0+20E	2	48	7	18	.3	35	7	534	1.03	25	5	ND	7	45	1	2	2	11	3.55	.18	69	16	.10	84	.01	13	1.02	.01	.01	1	3
IF 0+25E	1	28	2	19	.1	20	2	218	.94	15	5	ND	5	10	1	2	2	15	.53	.08	29	14	.17	24	.04	3	.62	.01	.03	1	1
IF 0+30E	2	31	2	15	.3	38	1	177	.57	6	5	ND	6	42	1	5	2	3	4.14	.14	75	11	.10	77	.01	7	1.10	.01	.01	1	5
IF 0+35E	1	31	2	17	.2	44	1	131	.41	8	9	ND	5	47	1	5	2	3	5.22	.12	72	6	.13	80	.01	10	.95	.01	.01	1	10
IF 0+40E	1	70	2	14	.1	87	2	229	.64	42	5	ND	6	43	1	2	2	4	4.53	.16	104	14	.13	91	.01	9	1.08	.01	.01	1	12
IF 0+45E	2	44	7	28	.1	80	2	118	.33	7	9	ND	1	45	1	2	2	4	4.80	.08	23	7	.18	95	.01	7	.45	.01	.01	1	2
IF 0+50E	1	67	8	7	.1	71	4	70	1.85	11	5	ND	12	46	1	2	2	9	4.70	.13	98	23	.22	113	.02	4	1.49	.01	.01	1	9
IF 0+55E	2	82	7	8	.1	122	1	29	.61	15	5	ND	7	46	1	2	2	4	5.63	.10	93	13	.21	118	.01	9	.89	.01	.01	1	4
IF 0+60E	2	36	6	20	.1	77	4	137	.35	20	5	ND	9	34	1	8	2	3	3.73	.07	103	5	.17	68	.01	7	.54	.01	.01	1	20
IF 0+65E	2	23	7	12	.2	15	10	267	1.01	30	5	ND	6	63	1	3	2	6	3.65	.17	44	9	.16	123	.01	8	.91	.01	.01	1	33
IF 0+70E	1	23	8	16	.1	17	7	413	.97	61	5	ND	4	35	1	3	2	7	2.14	.16	50	16	.18	94	.02	6	1.10	.01	.01	1	15
IF 0+75E	1	27	9	10	.1	18	4	224	.77	53	5	ND	5	41	1	4	2	5	3.13	.18	55	15	.18	105	.02	6	1.25	.01	.01	1	20
IF 0+80E	3	31	15	21	.1	21	23	1387	2.32	137	5	ND	6	39	1	2	2	25	3.01	.21	50	28	.19	117	.02	5	1.41	.01	.02	1	43
IF 0+85E	2	18	9	41	.1	19	11	1494	1.72	261	5	ND	4	47	1	3	2	22	3.90	.15	32	24	.19	140	.03	9	1.28	.02	.10	1	34
IF 0+90E	1	26	8	24	.1	17	7	907	1.21	188	5	ND	3	46	1	2	2	13	3.73	.16	28	16	.29	133	.02	9	.92	.01	.03	1	33
IF 0+95E	1	13	7	33	.1	16	8	830	1.50	214	5	ND	8	17	1	2	2	22	1.55	.08	21	22	.04	53	.07	5	.76	.01	.11	1	8
IF 1+00E	1	19	3	19	.1	15	3	218	1.13	38	5	ND	10	9	1	3	2	17	.39	.07	24	18	.28	29	.06	3	.56	.01	.08	1	17
IF 1+05E	1	4	6	8	.1	8	2	43	1.19	6	5	ND	6	4	1	4	3	23	.07	.01	9	17	.11	13	.07	2	.97	.01	.01	1	10
IF 1+10E	1	14	7	14	.1	14	3	82	1.38	5	5	ND	7	5	1	2	2	27	.08	.02	14	27	.23	16	.10	2	.91	.01	.01	1	3
IF 1+15E	1	11	7	11	.1	13	3	57	1.88	4	5	ND	8	4	1	3	2	24	.10	.04	10	32	.15	20	.07	2	1.80	.01	.01	1	2
IF 1+20E	1	2	6	7	.1	2	1	34	.42	5	5	ND	1	2	1	2	2	20	.04	.01	2	7	.07	13	.06	2	.22	.01	.01	1	1
STB C/F/A ND	21	59	41	134	7.0	74	27	1165	3.94	42	15	7	40	53	18	16	20	62	.48	.13	37	62	.88	176	.08	39	1.72	.07	.13	12	50

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SAMPLED	No PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Mi PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Pb PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	Na %	K %	M PPH	Au ⁹⁹ PPH
IF 1+2SE	1	2	2	8	.2	3	1	74	.64	2	5	ND	3	3	1	3	2	21	.05	.01	6	17	.15	11	.07	3	.37	.01	.02	1	1
IFA 0+30N	1	73	8	31	.2	100	15	254	3.08	2	5	ND	4	4	1	4	2	63	.24	.02	7	234	.55	26	.13	8	2.06	.01	.03	2	2
IFA 0+25N	3	41	10	15	.4	10	1	148	9.52	14	5	ND	1	2	1	2	4	58	.06	.03	8	99	.18	8	.07	12	.62	.01	.02	1	11
IFA 0+22N	1	12	12	20	.1	14	1	112	6.31	19	5	ND	2	7	1	2	3	71	.03	.02	8	104	.27	11	.05	9	.72	.01	.03	1	8
IFA 0+20N	1	54	6	13	.5	2	1	69	9.54	8	5	ND	2	1	1	2	6	30	.02	.03	5	45	.10	6	.04	11	.39	.01	.02	2	3
IFA 0+15N	3	14	8	20	.7	11	1	302	7.82	13	5	ND	2	2	1	3	7	82	.07	.02	7	148	.46	11	.11	12	1.10	.01	.05	3	4
IFA 0+10N	3	12	16	25	.7	7	1	136	10.95	14	5	ND	2	2	1	3	5	30	.04	.09	10	12	.05	21	.02	13	.38	.01	.04	2	3
IFA 0+05N	1	2	3	4	.1	1	1	50	.35	4	5	ND	1	3	1	2	5	3	.07	.03	3	1	.02	16	.01	2	.14	.01	.03	1	2
TCS-S-1	6	119	31	152	1.0	381	42	7520	8.32	4372	5	ND	4	23	1	2	2	135	1.67	.05	22	544	2.02	120	.16	12	5.59	.12	.03	2	195
TCS-S-2	4	62	19	35	1.3	21	1	166	19.79	88	5	ND	8	3	1	2	2	62	.64	.07	24	42	.16	16	.19	23	1.49	.01	.04	2	2
TCS-S-3	2	44	8	21	.3	9	1	113	6.49	81	5	ND	3	3	1	3	3	147	.06	.03	10	28	.29	21	.11	9	.91	.01	.04	1	9
TCS-S-2	1	10	6	35	.2	19	2	154	1.13	2	5	ND	4	2	1	2	2	23	.01	.03	16	53	.59	15	.03	2	1.05	.01	.04	1	1
TCS-S-3	1	231	33	48	.6	41	6	98	20.08	31	5	ND	5	3	1	2	2	53	.09	.08	25	102	.13	30	.04	25	.86	.01	.11	2	17
TCS-S-4	1	31	10	23	.3	16	3	118	1.81	35	5	ND	2	3	1	2	2	47	.09	.03	5	14	.34	37	.07	4	1.01	.01	.04	1	2
TCS-S-5	2	79	13	44	.3	149	14	370	7.46	41	5	ND	5	3	1	2	2	148	.18	.05	13	224	.95	29	.22	12	3.34	.01	.06	1	1
TCS-S-6	1	70	11	70	.2	27	4	120	6.44	14	5	ND	1	2	1	2	2	156	.05	.03	7	56	.39	23	.12	8	1.27	.01	.04	1	1
TCS-S-7	2	50	21	63	.6	417	36	5892	7.19	196	5	ND	4	9	1	2	2	93	.94	.05	14	449	.73	164	.13	13	3.94	.03	.04	1	3
TCS-S-8	1	24	10	30	.2	32	6	240	3.12	25	5	ND	1	2	1	3	2	134	.23	.03	5	53	.76	31	.20	6	1.70	.03	.11	1	5
TCS-S-9	1	104	62	60	.1	31	7	141	3.91	20	5	ND	1	5	1	2	2	115	.14	.05	9	65	.61	49	.07	8	1.82	.02	.11	1	1
TCS-S-10	3	107	17	65	.4	185	21	325	6.57	38	5	ND	6	7	1	2	2	123	.21	.03	16	179	1.13	76	.17	10	3.38	.02	.14	1	2
STA C/FA-MU	20	60	40	137	7.2	60	25	1194	3.99	39	17	8	40	54	18	15	19	62	.48	.14	40	60	.88	170	.08	41	1.72	.07	.13	11	30

SAMPLED	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Br	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Ka	K	M	Au**
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH
ECS-R-1	2	65	8	11	.8	23	2	283	12.08	20924	5	2	1	2	1	44	9	4	.05	.02	3	3	.11	17	.01	2	.11	.01	.01	1	1900
ECS-R-2	1	94	4	10	.9	25	6	248	19.95	18073	5	ND	1	1	1	11	5	8	.02	.02	2	11	.11	22	.01	2	.16	.01	.03	1	1740
ECS-R-3	2	65	6	11	1.5	16	2	210	11.73	20888	5	3	3	4	1	38	10	7	.04	.02	4	9	.11	28	.01	2	.16	.01	.07	1	2150
ECS-R-4	1	77	5	9	.5	5	1	245	8.31	4838	5	ND	1	2	1	2	9	9	.01	.02	3	20	.11	21	.01	2	.18	.01	.04	2	460
ECS-R-5	1	46	2	13	.4	22	7	452	4.53	1441	5	ND	1	1	1	3	6	13	.07	.02	3	33	.18	25	.01	2	.35	.01	.04	40	105
ECS-R-6	3	73	5	29	1.1	42	7	603	12.80	20870	6	ND	4	6	1	42	8	26	.22	.02	7	44	.48	18	.05	3	.87	.01	.29	1	1830
ECS-R-7	1	139	4	11	.8	33	8	255	8.28	18323	5	ND	1	1	1	10	6	8	.02	.02	4	22	.19	12	.01	2	.29	.01	.02	1	2350
ECS-R-8	1	35	2	7	.3	14	4	304	3.55	1928	5	ND	1	2	1	2	5	7	.03	.01	2	19	.11	19	.01	2	.21	.01	.01	4	170
ECS-R-9	2	74	6	15	1.2	28	2	512	12.06	20816	5	2	2	1	1	37	7	8	.05	.02	7	17	.16	18	.01	2	.30	.01	.02	1	2350
ECS-R-10	1	143	6	9	.4	34	8	349	8.98	19923	5	ND	1	1	1	15	2	4	.03	.01	4	6	.12	11	.01	4	.11	.01	.01	1	880
ECS-R-11	1	25	3	11	.2	16	3	433	3.42	774	5	ND	1	2	1	2	3	10	.06	.01	3	31	.13	29	.01	3	.34	.01	.04	2	55
ECS-R-12	2	74	4	47	.3	37	20	541	3.84	193	5	ND	4	57	1	2	4	92	3.55	.03	14	57	1.10	290	.15	7	4.54	.18	.79	1	5
ECS-R-13	3	61	2	50	.1	21	17	383	4.14	51	5	ND	5	64	1	2	2	100	1.88	.04	10	12	1.38	141	.19	6	3.28	.17	.84	1	2
ECS-R-14	1	46	2	51	.1	17	11	360	4.73	57	5	ND	3	21	1	2	2	109	1.16	.03	9	16	1.23	83	.13	6	2.53	.10	.27	1	2
ECS-R-15	3	80	10	71	.3	103	25	440	4.70	58	5	ND	5	59	1	2	5	112	2.18	.02	13	141	1.42	99	.13	11	4.47	.13	.62	1	4
ECS-R-16	1	75	9	34	.2	30	11	940	4.57	40	5	ND	2	38	1	2	2	80	1.66	.04	11	54	.49	87	.09	8	2.85	.10	.37	1	2
ECS-R-17	3	45	9	81	.1	7	16	814	6.44	18	6	ND	8	38	1	2	2	132	1.57	.04	13	1	1.33	248	.15	6	3.89	.13	.75	1	3
ECS-R-18	1	101	11	25	.4	29	7	1831	6.28	7	5	ND	2	62	1	2	3	96	1.19	.01	10	159	.85	62	.06	10	3.06	.09	.08	1	6
ECS-R-19	1	19	4	42	.3	6	1	284	3.82	208	5	ND	1	1	1	2	8	5	.03	.02	2	13	.08	13	.01	6	.13	.01	.02	2	60
ECS-R-20	1	11	5	16	.3	5	1	228	4.74	19	5	ND	1	1	1	2	6	5	.01	.01	2	7	.06	12	.01	4	.12	.01	.02	1	5
ECS-R-21	3	57	10	37	.7	102	11	1287	12.33	88	7	ND	4	20	1	2	5	46	.26	.01	8	153	.63	49	.04	6	1.44	.03	.25	7	4
ECS-R-22	3	107	10	48	.7	105	16	899	13.12	50	5	ND	2	5	1	2	4	24	.16	.01	10	60	.28	18	.02	8	.66	.02	.05	9	6
ECS-R-23	1	74	4	30	.1	154	54	260	2.84	4105	5	ND	2	10	1	2	2	50	.59	.03	10	144	.77	67	.08	34	1.55	.05	.54	6	270
ECS-R-24	1	231	12	20	1.1	246	60	336	25.31	30	7	ND	4	2	2	2	9	12	.13	.01	22	48	.21	4	.02	6	.47	.01	.01	2	68
ECS-R-25	1	94	6	24	.5	59	12	482	8.90	25	5	ND	3	10	1	2	7	36	.25	.01	5	154	.75	43	.05	11	1.16	.02	.15	1	18
ECS-R-26	1	22	2	8	.2	24	4	241	4.32	188	5	ND	1	1	1	3	3	10	.01	.01	2	35	.08	24	.02	5	.24	.01	.05	1	5
ECS-R-1	3	50	9	17	1.2	52	43	239	11.52	20973	5	3	2	6	1	45	3	17	.29	.01	12	31	.36	14	.03	20	.62	.02	.11	1	2300
ECS-R-2	1	44	3	25	.1	71	13	344	3.48	400	5	ND	2	32	1	2	2	73	1.04	.03	9	94	.82	100	.10	9	2.26	.10	.46	1	7
ECS-R-3	1	87	2	27	.1	31	21	146	3.16	494	5	ND	6	54	1	2	2	119	.86	.06	16	29	.78	121	.13	17	2.53	.21	.79	1	12
ECS-R-4	2	23	6	18	.1	19	3	608	6.66	105	5	ND	1	3	1	2	2	18	.09	.02	9	56	.29	17	.02	9	.49	.01	.07	1	4
ECS-R-5	1	8	3	23	.1	6	1	239	6.11	145	5	ND	1	1	1	2	2	7	.01	.01	7	7	.08	8	.01	6	.10	.01	.02	1	2
ECS-R-6	1	40	6	12	.5	17	2	206	7.78	132	5	ND	1	1	1	2	5	9	.01	.01	7	27	.10	12	.01	10	.21	.01	.03	1	16
ECS-R-7	1	20	4	17	.2	17	2	1065	8.16	23	5	ND	2	2	1	2	2	9	.18	.01	6	18	.26	72	.02	11	.29	.02	.09	4	5
ECS-R-8	1	24	4	12	.4	30	4	392	6.62	12	5	ND	1	2	1	2	2	14	.08	.01	6	48	.17	34	.02	6	.26	.01	.09	2	17
ECS-R-9	1	9	4	20	.5	5	1	383	4.58	12	5	ND	4	14	1	2	2	2	.17	.01	5	6	.26	28	.01	6	.67	.08	.48	1	13
ECS-R-10	2	114	13	31	.6	97	14	436	13.63	38	5	ND	4	12	1	2	3	29	.18	.01	19	97	.47	24	.07	12	.91	.02	.38	4	18
STD C/PA-MU	20	57	38	131	7.1	67	25	1153	3.96	40	17	7	36	51	18	15	21	59	.48	.16	39	60	.88	173	.08	36	1.72	.06	.13	12	52

NORTHERN DYNASTY FILE # 85-1603

PAGE 8

SAMPLE#	Na	Ca	Pb	Zn	Ag	Ki	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ce	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	N	Au#1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	I	I	I	PPM	PPM	
BGS-R-11	1	24	9	17	.1	59	9	474	2.34	131	5	ND	1	47	1	6	2	25	2.27	.01	6	89	.66	64	.05	7	1.48	.04	.29	1	3
BGS-R-12	1	23	10	25	.2	62	9	470	3.62	44	5	ND	2	36	1	3	2	33	.99	.01	7	113	.66	59	.05	11	1.74	.03	.34	2	2
BGS-R-13	3	39	18	107	.4	46	14	681	4.18	14	5	ND	5	89	1	2	2	47	2.88	.01	13	97	.92	51	.03	12	3.99	.09	.47	1	4
BGS-R-14	2	81	18	43	.2	109	17	454	3.84	34	5	ND	6	69	1	2	2	65	1.84	.02	12	147	1.01	77	.06	11	3.27	.08	.39	1	12
BGS-R-15	1	1514	23	26	2.0	253	46	572	37.72	2	5	ND	8	3	1	2	20	8	.12	.01	96	38	.26	4	.01	2	.43	.01	.01	9	16
BGS-R-16	2	172	11	58	.4	193	24	581	6.69	38	5	ND	5	25	1	2	2	97	1.99	.03	14	191	.78	146	.14	12	2.96	.11	.74	1	125
BGS-R-17	6	114	11	6	.2	90	22	123	2.38	9	5	ND	5	26	1	3	2	38	.93	.03	9	125	.28	43	.07	7	1.85	.17	.34	1	18
BGS-R-18	1	9	4	5	.1	17	2	85	.95	52	5	ND	2	2	1	2	6	13	.13	.01	2	39	.10	12	.02	5	.36	.01	.05	1	75
BGS-R-19	2	91	17	11	.1	146	22	187	1.84	53	5	ND	4	25	1	2	2	40	.99	.03	10	142	.34	46	.06	6	1.52	.08	.33	1	46
BGS-R-20	1	19	3	2	.1	4	1	54	.47	8	5	ND	1	1	1	2	7	4	.04	.01	2	5	.08	1	.01	3	.10	.01	.01	1	2
BGS-R-21	1	54	14	65	.1	214	27	2484	3.09	96	5	ND	5	34	1	2	2	104	5.40	.03	14	534	2.88	102	.19	6	3.92	.10	1.63	1	3
BGS-R-22	1	17	5	13	.2	34	4	2498	1.23	78	5	ND	1	17	1	2	2	15	6.01	.02	7	66	1.37	18	.03	4	.60	.02	.17	1	2
BGS-R-23	1	204	49	29	2.6	261	53	153	2.10	478	5	ND	4	17	1	31	2	24	1.17	.03	10	232	.52	19	.01	7	2.20	.17	.05	1	38
BGS-R-24	2	5	16	18	.2	154	24	2654	2.58	475	5	ND	3	67	1	2	2	48	15.58	.03	13	239	3.26	478	.10	8	4.87	.28	.97	2	37
BGS-R-25	1	91	17	12	.2	322	47	350	1.81	426	5	ND	3	20	1	3	2	94	2.27	.02	10	357	.69	108	.07	7	3.31	.31	.49	1	18
BGS-R-26	1	131	13	25	.2	214	34	340	2.47	211	5	ND	4	30	1	2	2	90	2.56	.03	11	282	.62	98	.09	4	3.79	.31	.56	1	20
YES-R-1	1	20	8	21	.1	5	3	132	1.73	14	5	ND	8	8	1	2	2	22	.42	.07	13	3	.27	8	.12	43	.83	.01	.02	1	3
YES-R-2	1	559	44	28	.1	10	17	167	4.60	120	5	ND	9	5	1	2	2	41	.26	.09	11	3	.34	15	.13	49	.98	.01	.04	1	15
YES-R-3	1	32	30	70	.1	10	18	514	6.99	43	5	ND	6	8	1	2	2	133	.28	.04	10	2	1.15	90	.13	15	2.72	.03	.33	3	3
YES-R-4	5	72	19	14	2.8	42	5	291	14.11	25543	7	5	19	1	1	72	14	12	.07	.03	21	10	.16	11	.01	21	.25	.01	.11	1	2420
YES-R-5	1	95	13	35	.1	70	11	403	6.52	18332	5	ND	4	18	1	15	2	39	.59	.03	13	77	.50	58	.05	13	1.38	.06	.26	1	390
YES-R-6	1	51	14	54	.1	23	16	608	3.91	582	5	ND	6	43	1	2	2	111	3.08	.04	17	17	1.36	259	.20	12	4.24	.15	1.30	1	17
YES-R-7	1	49	5	66	.1	32	2	120	1.56	683	5	ND	1	3	1	2	2	14	.15	.01	3	21	.20	10	.01	4	.41	.01	.04	1	12
YES-R-8	1	474	11	59	.5	84	12	430	8.91	83	5	ND	10	12	1	2	2	39	1.28	.04	20	71	.60	5	.02	13	2.21	.05	.01	3	2
YES-R-9	1	95	10	19	.1	146	19	483	4.76	10	5	ND	5	62	1	2	2	114	1.60	.01	12	240	.98	187	.09	13	3.85	.16	.51	3	3
YES-R-10	4	133	12	47	.2	99	13	614	8.83	12	5	ND	7	18	1	2	2	63	.62	.02	13	254	.96	37	.05	10	2.27	.07	.19	3	8
YES-R-1	1	114	8	26	.6	45	7	635	12.30	11522	5	ND	6	4	1	5	10	19	.12	.03	14	43	.26	25	.02	10	.65	.01	.08	4	620
YES-R-2	1	59	10	11	2.2	21	18	304	7.78	29960	5	ND	4	2	1	24	4	6	.05	.03	11	16	.12	16	.01	13	.21	.01	.01	74	380
YES-R-3	1	35	11	46	.1	252	26	1248	2.31	689	5	ND	3	125	1	2	2	71	3.93	.02	10	499	1.97	129	.16	9	3.72	.16	1.24	2	12
YES-R-4	1	94	9	45	.3	283	27	2192	3.82	2454	5	ND	5	74	1	2	2	70	4.91	.02	11	524	2.81	108	.13	9	2.39	.08	1.04	4	110
YES-R-5	1	61	9	38	.2	389	38	1621	3.84	9001	5	ND	3	106	1	2	2	68	4.44	.02	11	467	2.34	112	.13	11	2.93	.08	1.05	2	170
YES-R-6	1	66	14	57	.1	322	35	1709	3.29	3509	5	ND	4	110	1	2	2	88	4.73	.03	11	660	2.75	144	.17	13	3.63	.12	1.52	1	70
YES-R-7	1	105	8	12	.3	39	4	411	18.21	31769	5	ND	3	2	1	21	10	5	.12	.02	12	18	.19	12	.01	16	.20	.01	.04	1	840
YES-R-8	1	1189	13	35	1.0	11	34	497	5.83	782	5	ND	7	8	1	2	2	45	.85	.03	8	92	.64	11	.12	10	.74	.13	.21	4	38
YES-R-9	2	1011	7	2293	.1	144	100	588	6.92	93	5	ND	4	2	63	2	11	139	.15	.05	11	63	1.31	12	.05	11	1.91	.01	.07	1	6
YES-R-10	7	61	7	11	.1	11	8	145	2.41	66	5	ND	3	3	1	2	8	8	.05	.01	2	47	.21	12	.01	4	.26	.01	.05	2	24
STD C/PA-MD	21	60	80	134	7.2	89	25	1174	4.80	41	19	7	41	53	18	15	22	62	.48	.14	41	61	.88	174	.08	40	1.72	.06	.13	13	49

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CASTOR LAKE

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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, CA, P, CR, MG, BA, TI, B, AL, NA, K, V, SI, ZR, CE, SM, Y, MO AND TA. NO DETECTION LIMIT BY ICP IS 3 PPM.

SAMPLE TYPE: SOILS - 80 MESH AUTO ANALYSIS BY FA-100 FROM 10 GRAM SAMPLE.

R21 - late sed. - polished R22 - rocks P - Pulverized

DATE RECEIVED: SEPT 13 1985 DATE REPORT MAILED: Sept 20/85 ASSAYER: J. Sandry DEAN TOYE DR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-2370

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SAMPLE	No PPM	Co PPM	Pb PPM	Zn PPM	Ag PPM	Mn PPM	Co PPM	Ni PPM	Fe PPM	As PPM	N PPM	Mg PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca PPM	P PPM	La PPM	Cr PPM	Mg PPM	Ba PPM	Ti PPM	Z PPM	Al PPM	Na PPM	K PPM	N PPM	Am+Pm PPM
CL 478 2+600-A	1	75	2	50	.2	12	1	123	.30	4	6	ND	6	47	1	2	2	5	6.40	.09	38	6	.21	70	.01	2	.58	.01	.01	1	6
CL 478 1+900-A	1	23	3	86	.1	6	1	209	.19	2	6	ND	5	49	1	2	2	6	6.40	.06	5	3	.24	58	.01	2	.27	.01	.01	1	1
CL 478 1+800-A	5	9	2	80	.2	2	1	436	.18	2	5	ND	3	46	1	2	2	1	6.00	.04	2	1	.23	48	.01	3	.11	.01	.01	1	50
CL 478 1+700-A	1	5	4	111	.3	3	1	283	.13	2	5	ND	4	40	1	2	2	1	5.50	.04	2	2	.21	35	.01	5	.08	.01	.01	1	8
CL 478 1+600-A	4	6	2	82	.2	4	1	737	.20	2	5	ND	4	41	1	2	2	2	5.64	.05	2	1	.20	64	.01	3	.09	.01	.01	1	2
CL 478 1+500-A	2	5	2	109	.2	4	2	407	.28	2	5	ND	4	34	1	2	2	1	4.72	.05	2	3	.20	32	.01	2	.08	.01	.01	1	5
CL 478 1+400-A	3	4	2	126	.1	2	1	788	.42	2	5	ND	3	29	1	2	2	1	3.83	.07	2	1	.19	33	.01	2	.04	.01	.01	1	4
CL 478 1+300-A	1	4	4	118	.1	2	2	3876	.14	2	5	ND	6	36	1	2	2	2	4.85	.00	2	3	.22	94	.01	4	.06	.01	.01	1	6
CL 478 1+200-A	4	6	2	83	.3	3	3	2910	.50	5	5	ND	5	43	1	2	2	3	5.90	.04	2	1	.21	134	.01	4	.15	.01	.01	1	10
CL 478 1+100-A	1	4	4	78	.1	1	1	85	.14	2	6	ND	5	47	1	2	2	2	6.48	.06	2	1	.26	35	.01	2	.14	.01	.01	1	2
CL 478 1+000-A	2	4	2	79	.1	4	1	546	.11	2	5	ND	3	41	1	2	2	2	5.70	.08	2	3	.25	27	.01	4	.08	.01	.01	1	12
CL 478 0+900-A	2	4	2	114	.1	1	1	1734	.31	2	5	ND	3	48	1	2	2	1	5.33	.09	2	1	.21	39	.01	2	.08	.01	.01	1	1
CL 478 0+800-A	1	4	2	80	.1	2	1	712	1.00	2	5	ND	4	42	1	2	2	2	5.54	.10	3	2	.21	66	.01	4	.08	.01	.01	1	8
CL 478 0+700-A	3	5	2	126	.1	2	2	800	.71	2	5	ND	4	41	1	2	2	2	5.43	.07	2	2	.23	102	.01	5	.10	.01	.01	1	2
CL 478 0+600-A	1	4	2	77	.2	2	1	133	.12	2	5	ND	5	36	1	2	2	1	4.97	.06	2	1	.23	31	.01	9	.08	.01	.01	1	6
CL 478 0+500-A	1	4	2	131	.1	4	1	36	.12	2	5	ND	3	28	1	2	2	1	2.84	.05	2	1	.27	29	.01	2	.07	.01	.01	1	1
CL 478 0+400-A	1	19	2	76	.1	20	1	130	.29	2	5	ND	5	48	1	2	2	5	5.01	.07	13	6	.33	77	.01	2	.29	.01	.01	1	1
CL 478 0+300-A	1	53	9	51	.2	55	2	49	1.21	8	5	ND	15	50	1	2	2	11	4.98	.13	133	26	.40	120	.03	2	1.38	.01	.04	1	2
CL 478 0+200-A	1	15	15	111	.4	9	1	59	.38	3	5	ND	5	32	1	2	2	4	1.50	.07	16	6	.17	147	.01	4	.44	.01	.03	1	4
CL 478 0+100-A	1	29	18	76	.2	17	2	36	.34	5	5	ND	5	36	1	2	2	8	1.22	.05	39	17	.11	143	.03	2	.57	.01	.03	1	18
CL 478 0+000-B	1	4	6	24	.1	10	1	73	1.05	20	5	ND	3	6	1	2	2	34	.12	.01	6	19	.15	11	.15	3	.39	.01	.03	1	2
CL 468 4+600-B	1	6	8	21	.1	4	1	35	1.41	5	5	ND	3	5	1	2	3	33	.08	.01	7	11	.12	12	.16	4	.97	.01	.02	1	1
CL 468 3+900-B	1	29	18	14	.1	4	1	46	.58	3	5	ND	1	5	1	2	2	42	.18	.03	6	24	.08	14	.20	2	.49	.01	.02	1	3
CL 468 3+800-B	1	4	12	14	.1	3	1	21	.39	4	5	ND	2	5	1	2	2	21	.04	.01	6	9	.04	12	.16	2	.41	.01	.02	1	3
CL 468 3+700-B	1	7	11	23	.1	4	1	67	.92	4	5	ND	1	4	1	2	2	91	.10	.01	6	15	.08	16	.19	3	.54	.01	.02	1	1
CL 468 3+600-B	1	8	11	38	.1	6	1	146	1.46	4	5	ND	5	5	1	3	3	54	.11	.01	7	17	.36	18	.21	2	.90	.01	.04	2	6
CL 468 3+500-B	1	6	4	23	.1	3	1	65	.67	2	5	ND	2	4	1	2	2	23	.08	.01	5	10	.14	9	.12	2	.43	.01	.01	1	5
CL 468 3+400-B	1	6	10	27	.1	7	1	94	1.38	8	5	ND	3	7	1	2	2	29	.09	.01	9	14	.25	19	.14	5	.80	.01	.03	1	7
CL 468 3+300-B	1	5	11	29	.1	6	1	93	1.58	5	5	ND	4	5	1	3	2	39	.07	.01	6	14	.21	17	.17	4	.64	.01	.05	2	1
CL 468 3+200-B	1	2	2	22	.3	3	1	50	.78	6	5	ND	5	6	1	2	2	19	.07	.01	7	9	.09	13	.13	2	.40	.01	.04	1	3
CL 468 3+100-B	1	5	9	28	.1	5	1	70	.81	4	5	ND	3	5	1	2	2	26	.08	.01	7	7	.16	19	.17	3	.57	.01	.04	1	2
CL 468 3+000-B	1	4	6	32	.2	7	1	112	1.58	4	5	ND	4	6	1	2	2	41	.10	.01	6	13	.30	14	.17	2	.73	.01	.04	2	17
CL 468 2+900-B	1	7	18	31	.2	7	1	136	2.08	5	5	ND	4	6	1	2	2	50	.08	.01	8	12	.31	16	.21	3	.98	.01	.04	1	5
CL 468 2+800-B	1	9	15	25	.1	21	1	81	1.68	6	5	ND	2	5	1	2	2	68	.11	.01	5	39	.22	15	.25	3	.72	.01	.03	1	21
CL 468 2+700-B	1	9	12	51	.1	11	2	204	2.46	5	5	ND	6	6	1	2	2	47	.09	.02	9	20	.46	20	.24	4	1.04	.01	.04	1	2
CL 468 2+600-B	1	1	8	11	.1	1	1	26	.43	3	3	ND	3	4	1	2	2	13	.04	.01	6	6	.04	11	.11	2	.22	.01	.03	1	2
STD C/FA-88	20	58	38	135	7.1	70	26	1156	3.97	39	19	8	37	51	18	15	22	59	.48	.11	39	58	.87	174	.07	37	1.71	.04	.09	12	50

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NORTHERN DYNASTY FILE # 85-2370

PAGE 2

SAMPLE#	Mo PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Ri PPH	Ca PPH	Mn PPH	Fe %	Al PPH	U PPH	Au PPH	Th PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Co %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	Na %	K %	M PPH	Au11 PPH
CL 44W 2+60W-B	1	5	17	39	.2	9	1	121	1.39	3	5	ND	4	9	1	2	2	36	.09	.02	7	18	.30	38	.18	2	.94	.01	.05	1	32
CL 44W 2+50W-B	1	3	10	24	.1	5	1	44	1.07	2	5	ND	4	4	1	2	3	30	.05	.01	6	13	.13	10	.16	15	.44	.01	.02	1	8
CL 44W 2+30W-B	1	3	10	19	.1	2	1	53	.92	2	9	ND	4	4	1	2	2	32	.05	.01	4	8	.10	9	.15	2	.47	.01	.03	1	14
CL 44W 2+20W-B	1	2	9	15	.1	4	1	50	.91	2	5	ND	3	4	1	2	3	35	.05	.01	5	10	.10	8	.15	2	.37	.01	.02	1	23
CL 44W 2+10W-B	1	10	10	25	.2	8	1	98	1.08	2	5	ND	5	7	1	2	2	21	.20	.02	8	10	.20	18	.12	2	.62	.01	.03	1	6
CL 44W 2+00W-B	1	10	5	32	.1	9	2	124	1.40	2	5	ND	5	8	1	3	2	27	.21	.02	9	14	.25	27	.14	3	.75	.01	.03	1	3
CL 44W 1+90W-A	1	14	9	34	.2	8	3	167	.96	2	5	ND	7	20	1	3	2	14	.51	.03	29	15	.16	40	.06	4	.65	.01	.05	1	8
CL 44W 1+80W-A	1	10	5	24	.1	4	1	40	.21	2	5	ND	1	53	1	2	2	6	5.21	.07	11	3	.20	59	.01	10	.52	.01	.01	1	4
CL 44W 1+70W-A	1	12	2	54	.1	6	1	131	.11	2	5	ND	1	53	1	2	2	4	6.19	.04	4	1	.23	49	.01	14	.20	.01	.01	1	1
CL 44W 1+60W-A	1	6	2	54	.3	3	1	280	.06	2	5	ND	1	43	1	2	2	2	4.99	.04	2	2	.20	37	.01	12	.10	.01	.01	1	1
CL 44W 1+50W-A	1	5	2	57	.1	5	1	611	1.61	3	5	ND	1	43	1	2	2	2	4.61	.07	2	5	.18	53	.01	9	.08	.01	.01	1	3
CL 44W 1+40W-A	1	4	2	37	.2	3	1	147	.06	2	5	ND	1	43	1	2	2	1	5.01	.05	2	1	.21	31	.01	11	.08	.01	.01	1	1
CL 44W 1+30W-A	1	5	2	58	.1	1	1	65	.06	2	5	ND	1	45	1	2	2	1	5.01	.04	2	1	.21	34	.01	10	.08	.01	.01	1	4
CL 44W 1+20W-A	1	4	2	57	.2	2	1	252	.08	2	5	ND	1	42	1	2	2	2	4.85	.04	2	1	.21	40	.01	10	.10	.01	.01	1	12
CL 44W 1+10W-A	1	4	2	46	.1	2	1	227	.14	2	5	ND	1	48	1	2	2	1	5.38	.05	2	1	.21	45	.01	11	.12	.01	.01	1	9
CL 44W 1+00W-A	1	4	2	111	.1	3	1	149	.10	2	5	ND	1	41	1	2	2	2	4.52	.04	2	1	.18	34	.01	11	.12	.01	.01	1	8
CL 45W 4+60W-A	1	23	16	80	.1	7	2	51	.77	2	5	ND	3	24	1	2	2	11	.41	.10	19	11	.08	57	.02	2	.79	.01	.04	1	4
CL 45W 3+90W-B	1	17	6	53	.2	7	1	29	.90	2	5	ND	4	53	1	2	2	4	3.74	.10	57	4	.13	82	.01	4	.92	.01	.01	1	7
CL 45W 3+80W-B	6	4	6	22	.1	3	1	41	1.50	3	5	ND	3	5	1	2	2	53	.10	.01	4	10	.09	11	.21	2	.65	.01	.01	1	2
CL 45W 3+70W-A	1	57	19	94	.1	22	4	24	.37	2	5	ND	1	41	2	2	2	5	.50	.10	23	3	.03	128	.01	2	.48	.01	.03	1	6
CL 45W 3+60W-A	1	13	10	37	.2	4	1	13	.32	2	5	ND	3	26	1	2	2	4	.28	.02	15	3	.03	67	.02	2	.29	.01	.01	1	4
CL 45W 3+50W-A	1	14	12	46	.1	4	1	33	.43	2	5	ND	2	25	1	2	2	4	.22	.04	15	10	.02	85	.01	2	.57	.01	.02	1	6
CL 45W 3+40W-A	1	22	14	42	.1	4	1	20	.75	2	5	ND	3	21	1	2	2	8	.24	.08	20	10	.05	61	.04	3	.79	.01	.01	1	7
CL 45W 3+30W-A	1	18	18	42	.1	6	2	26	.48	2	5	ND	2	26	1	2	2	3	.32	.11	20	7	.06	62	.01	2	.53	.01	.07	1	10
CL 45W 3+20W-B	1	5	9	24	.2	5	1	70	.89	2	5	ND	5	6	1	2	2	25	.08	.01	9	11	.16	11	.15	3	.69	.01	.01	1	7
CL 45W 3+10W-B	1	6	7	42	.1	5	1	123	1.39	2	5	ND	4	6	1	2	2	31	.12	.01	4	8	.30	14	.20	2	.70	.01	.03	1	5
CL 45W 3+00W-B	1	1	2	11	.2	1	1	25	.40	2	5	ND	2	3	1	2	2	12	.04	.01	3	2	.04	7	.08	2	.20	.01	.01	2	4
CL 45W 2+90W-B	1	29	12	18	.2	29	6	142	2.14	2	5	ND	5	5	1	2	2	44	.08	.02	9	113	.53	19	.22	2	1.42	.01	.07	1	5
CL 45W 2+80W-B	1	9	12	32	.2	7	1	83	1.58	2	5	ND	6	5	1	2	2	41	.07	.01	8	18	.19	25	.17	2	1.14	.01	.03	1	8
CL 45W 2+70W-B	1	6	13	28	.1	5	1	98	1.06	2	5	ND	3	5	1	2	2	31	.06	.01	5	11	.25	13	.20	2	.67	.01	.03	2	2
CL 45W 2+50W-B	1	8	14	58	.1	8	1	160	2.27	2	5	ND	8	5	1	2	2	42	.06	.02	6	13	.37	24	.28	2	1.07	.01	.06	2	1
CL 45W 2+30W-B-A	1	4	5	22	.2	2	1	34	1.44	2	5	ND	4	4	1	2	2	38	.05	.01	4	8	.12	7	.20	2	.48	.01	.02	1	1
CL 45W 2+10W-B	1	3	4	18	.1	3	1	61	.85	2	5	ND	4	4	1	2	2	29	.05	.01	4	7	.13	9	.14	2	.42	.01	.01	1	1
CL 45W 2+00W-B	1	3	5	16	.1	3	1	44	.81	2	5	ND	3	4	1	2	2	29	.04	.01	4	6	.09	17	.10	2	.52	.01	.01	1	2
CL 45W 2-20W-B	1	4	4	24	.1	6	1	90	1.03	2	5	ND	4	5	1	2	2	18	.11	.02	6	7	.19	11	.11	2	.51	.01	.01	1	4
CL 45W 2-10W-B	1	2	2	13	.1	1	1	23	.39	2	5	ND	4	4	1	2	2	14	.04	.01	6	2	.04	13	.08	2	.31	.01	.01	1	9
STD C75-88	20	42	39	132	6.9	69	29	1130	3.97	41	16	8	41	55	18	15	20	64	.48	.11	37	59	.08	180	.08	41	1.72	.07	.11	12	30

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SAMPLE#	No.	Cu	Pb	Zn	Ag	Mn	Co	Ni	Fe	As	U	Au	Th	Sr	Ld	Sb	Bi	V	Ca	F	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	Au11
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH
CL 45M 2+600-B	1	5	4	18	.2	4	1	63	.98	4	5	ND	4	4	1	2	2	17	.09	.02	6	9	.13	13	.09	4	.45	.01	.02	1	1
CL 45M 1+900-B	1	2	5	11	.1	5	1	39	.54	2	5	ND	3	4	1	2	2	20	.05	.01	4	11	.08	9	.12	2	.36	.01	.02	1	1
CL 45M 1+800-B	1	16	6	27	.2	8	2	103	1.39	4	5	ND	8	5	1	2	2	19	.14	.03	12	10	.23	16	.11	2	.89	.01	.03	1	4
CL 45M 1+700-B	1	11	7	25	.2	15	3	84	2.09	2	5	ND	9	7	1	4	2	24	.08	.01	7	21	.23	49	.11	2	1.91	.01	.03	1	2
CL 45M 1+600-B	1	17	8	47	.4	7	2	171	1.43	2	5	ND	4	41	1	2	2	5	2.95	.05	13	5	.12	69	.03	4	.39	.01	.02	1	1
CL 45M 1+500-A	1	15	3	95	.2	6	1	204	.27	2	6	ND	1	32	1	2	2	3	5.10	.07	7	1	.14	74	.01	8	.29	.01	.02	1	160
CL 45M 1+400-A	1	23	4	65	.2	7	1	184	.30	2	5	ND	2	40	1	2	2	4	3.73	.05	16	1	.11	64	.01	9	.44	.01	.01	1	18
CL 40M 4+000-B	1	13	7	14	.1	6	1	102	1.12	2	5	ND	4	7	1	2	2	38	.16	.02	5	9	.13	10	.15	2	.43	.01	.01	1	1
CL 40M 3+900-A	1	11	5	15	.4	3	1	56	.31	2	5	ND	2	20	1	2	2	3	.56	.06	6	1	.04	37	.01	7	.23	.01	.01	1	1
CL 40M 3+800-A	1	15	6	22	.4	7	1	163	1.43	3	6	ND	4	53	1	2	2	3	3.13	.14	35	1	.11	102	.01	8	.37	.01	.02	1	1
CL 40M 3+700-A	1	16	12	16	.2	8	1	38	.52	2	5	ND	3	38	1	2	2	4	1.42	.08	32	5	.06	84	.01	13	.44	.01	.03	1	1
CL 40M 3+600-A	1	17	10	14	.3	5	1	24	.57	2	5	ND	4	38	1	2	2	5	.65	.07	43	5	.05	78	.01	3	.69	.01	.02	1	1
CL 40M 3+500-A	1	18	13	53	.1	7	1	24	.57	2	5	ND	3	34	1	2	2	3	.39	.06	42	7	.04	87	.01	3	.71	.01	.02	1	2
CL 40M 3+500-B	1	6	6	15	.1	3	1	82	.54	2	5	ND	3	6	1	2	2	13	.11	.02	8	8	.10	14	.11	12	.38	.01	.01	1	1
CL 40M 3+400-B	1	7	5	14	.2	5	1	59	1.43	2	8	ND	11	5	1	2	2	22	.08	.02	11	13	.13	11	.10	2	1.67	.01	.03	1	1
CL 40M 3+300-A	1	14	13	26	.3	6	3	22	.59	3	5	ND	5	39	1	2	2	3	.39	.08	37	6	.04	61	.01	3	.82	.01	.03	1	1
CL 40M 3+200-A	2	20	11	34	.5	6	37	3358	1.45	2	5	ND	7	54	1	2	2	14	2.94	.12	62	5	.14	109	.01	2	.70	.01	.03	2	1
CL 40M 3+100-A	1	12	7	36	.3	5	3	222	.46	2	9	ND	4	48	1	7	2	4	2.29	.08	34	5	.13	69	.01	5	.61	.01	.01	1	1
CL 40M 3+000-A	1	33	19	14	.4	8	5	21	.73	2	5	ND	9	63	1	2	2	3	.83	.07	64	3	.08	94	.02	2	1.10	.01	.03	1	2
CL 40M 2+900-A	1	27	2	12	.4	10	3	369	.40	2	12	ND	2	64	1	2	2	8	7.15	.08	12	7	.22	88	.01	18	.52	.01	.02	1	1
CL 40M 2+800-B	2	49	16	61	.2	61	11	288	5.91	8	5	ND	7	8	1	3	2	134	.42	.02	9	97	.98	76	.32	2	3.34	.01	.07	1	1
CL 40M 2+700-A	1	24	8	20	.1	8	2	26	.57	2	5	ND	2	47	1	2	2	5	.74	.04	19	8	.05	121	.02	2	.73	.01	.02	1	1
CL 40M 2+600-A	1	79	18	14	.3	18	3	24	1.44	2	5	ND	5	28	1	2	2	5	.67	.16	50	18	.07	95	.01	3	1.54	.01	.03	1	1
CL 40M 2+500-B	1	15	9	10	.1	6	1	40	.54	2	5	ND	3	5	1	2	3	13	.13	.01	5	6	.09	16	.09	2	1.47	.01	.02	1	2
CL 40M 2+400-B	2	101	16	71	.1	53	13	160	2.52	3	5	ND	4	6	1	2	2	106	.15	.03	7	68	.56	39	.21	2	1.48	.01	.03	1	1
CL 40M 2+300-B	1	13	10	12	.1	5	1	57	.67	2	5	ND	2	4	1	2	2	24	.10	.02	6	11	.11	28	.07	2	.48	.01	.02	1	2
CL 40M 2+200-B	1	114	16	50	.3	45	12	127	3.00	5	5	ND	9	7	1	2	7	73	.16	.05	14	50	.31	49	.16	7	2.59	.01	.05	1	1
CL 40M 2+100-B	1	58	6	59	.2	38	12	141	4.37	6	5	ND	2	5	1	2	3	186	.22	.04	3	110	.69	38	.15	2	3.68	.02	.08	1	1
CL 40M 2+000-B	1	21	14	45	.1	20	4	167	3.74	4	5	ND	1	3	1	2	2	209	.16	.02	2	63	.49	40	.22	2	1.36	.02	.02	1	1
CL 40M 1+900-A	1	39	12	65	.1	24	4	52	.81	2	5	ND	1	32	1	2	3	9	.23	.08	11	8	.04	160	.01	2	.56	.01	.04	1	1
CL 40M 1+800-B	1	31	8	43	.3	30	7	151	4.23	2	5	ND	3	3	1	2	3	186	.19	.01	3	86	.43	31	.23	2	2.34	.02	.04	2	2
CL 40M 1+700-B	1	4	6	16	.1	4	1	41	1.66	2	5	ND	5	4	1	2	2	23	.07	.02	3	14	.08	8	.09	2	1.60	.01	.02	1	1
CL 40M 1+600-B	1	6	7	16	.2	6	1	63	1.45	2	5	ND	16	5	1	2	6	18	.15	.04	11	12	.09	9	.06	2	1.39	.01	.02	1	1
CL 40M 1+500-B	1	11	18	73	.2	14	3	267	2.71	2	5	ND	7	7	1	2	2	53	.09	.01	6	24	.62	34	.30	5	1.51	.01	.10	1	1
CL 40M 1+400-B	1	21	25	84	.1	17	4	228	4.62	5	5	ND	9	11	1	3	2	74	.12	.07	9	34	.58	46	.27	2	2.27	.01	.15	1	2
CL 40M 1+300-B	1	9	16	64	.1	8	1	146	2.81	3	5	ND	6	9	1	2	2	48	.10	.04	4	16	.33	29	.20	2	1.06	.01	.10	1	1
STD C/78-AU	20	59	40	131	7.0	70	28	1148	3.99	40	15	9	40	35	17	15	21	58	.48	.12	37	62	.88	190	.08	38	1.72	.06	.11	11	50

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SAMPLE	No PPH	Cu PPH	Pb PPH	Zn PPH	Mg PPH	Ni PPH	Co PPH	Mn PPH	Fe 1	As PPH	U PPH	Am PPH	Tb PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca 1	F 1	La PPH	Cr PPH	Hg 1	Ba PPH	Ti 1	B PPH	Al 1	Na 1	S 1	K PPH	Ag PPH
CL 400 1+200-B	1	0	19	54	.1	0	2	149	2.52	3	5	ND	4	6	1	5	2	40	.00	.04	7	22	.34	25	.19	4	1.62	.01	.09	1	1
CL 400 1+100-B	1	10	19	54	.1	0	2	130	2.74	2	5	ND	7	8	1	2	2	42	.11	.03	7	22	.30	34	.16	4	1.90	.01	.08	1	1
CL 400 1+000-B	1	5	14	24	.1	4	1	56	1.45	2	5	ND	5	5	1	2	2	32	.07	.02	7	14	.13	13	.12	3	.99	.01	.02	1	1
CL 400 0+900-A	1	20	17	83	.2	0	23	1553	.95	2	5	ND	5	63	1	2	2	8	1.34	.11	47	10	.13	116	.01	6	.66	.01	.04	1	1
CL 400 0+800-A	1	10	10	59	.1	5	1	92	.34	2	5	ND	2	22	1	2	2	4	.40	.00	17	10	.03	63	.02	4	.86	.01	.01	1	1
CL 400 0+600-A	1	6	15	67	.1	6	1	1485	.33	2	5	ND	1	20	1	2	2	3	.69	.00	2	5	.06	44	.01	7	.15	.01	.05	1	2
CL 400 0+500-A	1	0	16	56	.1	3	1	127	.74	2	6	ND	3	14	1	2	2	4	.35	.07	17	9	.02	33	.01	3	.86	.01	.01	1	1
CL 400 0+400-A	1	4	6	89	.1	4	1	170	.75	2	5	ND	1	19	1	2	2	1	.40	.04	2	5	.05	37	.01	4	.14	.01	.01	1	1
CL 400 0+300-A	1	3	5	79	.1	3	1	97	.25	2	5	ND	1	17	1	2	2	1	.10	.04	2	3	.04	33	.01	5	.16	.01	.01	1	1
CL 400 0+200-A	1	3	4	61	.1	2	1	67	.29	2	5	ND	1	19	1	2	2	2	.51	.02	2	3	.05	31	.01	5	.10	.01	.01	1	1
CL 400 0+100-A	1	12	7	63	.1	5	3	341	.76	14	5	ND	1	43	1	2	2	6	2.76	.11	12	11	.20	80	.01	8	.38	.01	.01	1	2
CL 400 0+50-B	1	11	3	50	.1	0	1	312	.65	6	5	ND	1	53	1	2	2	4	3.69	.11	16	6	.25	95	.01	9	.55	.01	.01	1	1
CL 400 0+000-A	1	10	9	40	.1	15	1	75	.73	5	5	ND	1	62	1	2	2	4	4.29	.11	29	11	.26	127	.01	6	.99	.01	.01	1	1
CL 400 0+600-B	1	5	15	31	.1	5	1	83	.64	2	5	ND	5	13	1	2	2	18	.49	.02	10	15	.17	49	.10	2	.55	.01	.04	1	1
CL 400 0+055-A	1	13	6	51	.1	11	2	83	.47	2	5	ND	1	50	1	2	2	5	4.39	.00	25	8	.32	92	.02	8	.76	.01	.01	1	1
CL 400 0+105-A	1	27	26	94	.1	10	3	700	.42	3	5	ND	1	41	1	2	2	6	2.39	.00	23	9	.22	129	.01	6	.52	.01	.04	1	1
CL 400 0+105-B	1	6	12	31	.1	7	1	116	1.06	11	5	ND	3	8	1	2	2	24	.31	.02	10	14	.10	29	.11	3	.59	.01	.01	1	2
CL 400 0+150-A	1	16	7	63	.1	17	3	245	.47	10	5	ND	1	51	1	2	2	5	4.42	.07	21	8	.29	93	.01	6	.71	.01	.01	1	1
CL 400 0+205-A	1	10	10	64	.1	13	3	35	.20	2	5	ND	1	40	1	2	2	3	.53	.05	3	5	.00	51	.01	4	.76	.01	.03	1	1
CL 400 0+205-B	1	5	7	17	.1	7	1	53	.83	3	5	ND	3	5	1	2	2	16	.09	.01	7	10	.13	12	.07	3	.54	.01	.01	1	1
CL 400 0+255-A	1	17	25	57	.1	6	2	32	.51	2	5	ND	3	30	1	2	2	6	.36	.00	25	9	.06	74	.02	3	.68	.01	.05	1	1
CL 400 0+255-B	1	9	12	31	.1	9	2	100	1.37	2	5	ND	4	8	1	2	2	20	.16	.04	7	18	.28	21	.12	4	.83	.01	.03	1	2
CL 400 0+305-A	1	16	12	67	.1	4	1	24	.57	2	5	ND	2	30	1	2	2	3	.52	.12	30	7	.07	69	.01	5	.89	.01	.02	1	1
CL 400 0+355-A	1	22	24	46	.1	7	1	38	.84	2	5	ND	6	31	1	2	2	8	.53	.10	62	14	.09	103	.02	4	1.04	.01	.03	2	1
CL 400 0+405-A	1	25	23	51	.1	6	1	21	.63	2	5	ND	6	39	1	2	2	6	.86	.00	63	12	.09	70	.02	4	.77	.01	.03	1	1
CL 400 0+455-A	1	30	24	39	.3	5	1	12	.60	2	5	ND	8	44	1	2	2	8	1.02	.07	71	15	.10	56	.07	3	.95	.01	.02	1	2
CL 400 0+505-A	1	19	14	54	.1	6	2	20	.41	2	5	ND	4	34	1	2	2	4	.42	.05	37	10	.04	70	.01	3	.57	.01	.02	1	1
CL 400 0+605-A	1	17	19	50	.3	5	2	29	.52	2	5	ND	3	32	1	2	2	3	.52	.00	29	5	.04	75	.01	3	.82	.01	.03	1	1
CL 400 0+705-A	1	19	16	64	.1	6	1	13	.60	2	5	ND	3	31	1	2	2	5	.29	.07	35	7	.05	85	.01	3	.79	.01	.02	1	1
CL 400 0+805-A	1	20	10	70	.1	5	2	33	.51	2	5	ND	3	32	1	2	2	5	.42	.07	25	9	.04	90	.01	2	.67	.01	.05	1	1
CL 400 0+905-B	1	5	0	24	.1	6	1	99	1.64	2	5	ND	5	7	1	2	2	10	.17	.04	9	13	.19	14	.09	3	.60	.01	.02	1	1
CL 400 1+005-B	1	3	13	10	.1	2	1	45	.64	2	5	ND	3	6	1	2	2	22	.07	.01	6	10	.09	12	.12	2	.46	.01	.02	1	1
CL 390 4+000-B	1	6	0	20	.1	2	1	39	.49	2	5	ND	3	4	1	2	2	15	.05	.01	5	7	.09	16	.09	2	.34	.01	.03	1	2
CL 390 3+900-B	1	4	7	28	.1	3	1	57	.59	2	5	ND	2	5	1	2	2	14	.06	.01	4	7	.12	18	.11	6	.34	.01	.05	1	1
CL 390 3+000-B	1	2	0	24	.1	5	1	64	.80	4	5	ND	3	6	1	2	4	35	.06	.01	4	13	.19	12	.19	3	.46	.01	.02	1	1
CL 390 3+700-B	1	3	4	12	.1	2	1	30	.31	2	5	ND	4	5	1	2	2	10	.05	.01	7	4	.04	14	.07	2	.31	.01	.01	1	1
STD C/FA 00	21	60	39	132	7.0	69	29	1135	3.97	39	10	0	40	53	10	15	22	64	.40	.11	39	63	.80	170	.08	30	1.72	.07	.12	11	40

NORTHERN DYNASTY FILE # 65-2370

PAGE 5

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Hg	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Ag+1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
CL 39W 3+60W-A	1	28	25	54	.3	7	3	28	1.09	3	5	ND	5	25	1	2	2	8	.20	.11	26	9	.04	97	.02	3	.93	.01	.05	1	1
CL 39W 3+50W-A	1	43	25	82	.1	7	1	32	1.07	2	5	ND	4	25	1	2	2	8	.15	.12	18	9	.04	97	.02	3	1.00	.01	.04	1	1
CL 39W 3+40W-A	1	5	9	15	.1	2	1	20	.36	2	5	ND	6	4	1	2	2	16	.04	.01	5	5	.06	14	.08	2	.36	.01	.03	1	1
CL 39W 3+30W-A	1	3	10	26	.1	3	1	35	.48	2	5	ND	4	4	1	2	2	21	.07	.01	4	8	.12	12	.11	2	.43	.01	.02	1	1
CL 39W 3+20W-B	1	6	9	22	.1	5	1	49	.66	2	5	ND	5	7	1	2	2	22	.07	.01	5	7	.10	17	.12	2	.37	.01	.02	2	1
CL 39W 3+10W-A	1	74	30	55	.1	23	3	39	.57	2	5	ND	7	23	1	2	2	8	.18	.10	22	4	.04	157	.01	4	.57	.01	.05	1	1
CL 39W 3+00W-B	1	12	13	26	2.3	3	2	52	1.37	3	19	ND	19	3	1	8	3	40	.04	.01	5	10	.11	12	.12	2	.91	.01	.11	3	1
CL 39W 2+90W-B	1	55	11	33	.1	34	9	173	4.94	3	5	ND	3	2	1	2	2	273	.20	.02	6	55	.50	29	.25	4	1.95	.02	.05	1	7
CL 39W 2+80W-B	1	355	17	74	.1	123	28	173	6.36	18	5	ND	6	3	1	2	3	146	.11	.03	5	127	.36	36	.20	3	4.37	.01	.07	1	1
CL 39W 2+70W-B	1	160	10	102	.1	109	26	323	5.79	2	5	ND	6	6	1	2	3	204	.20	.03	7	157	1.42	78	.26	4	4.51	.02	.06	1	1
CL 39W 2+60W-B	1	52	9	48	.1	37	9	125	4.38	2	5	ND	2	4	1	2	2	107	.16	.02	4	87	.54	53	.25	4	2.30	.01	.02	1	1
CL 39W 2+50W-A	1	34	13	29	.1	11	2	84	.76	3	5	ND	1	4	1	2	2	26	.25	.04	3	17	.18	43	.04	2	.48	.02	.02	1	1
CL 39W 2+40W-A	1	111	14	68	.4	37	6	54	.49	2	5	ND	7	27	1	2	2	9	.47	.08	26	9	.07	154	.04	6	.75	.01	.07	1	2
CL 39W 2+30W-B	2	65	19	87	.1	35	9	157	7.44	3	5	ND	7	4	1	2	2	701	.14	.05	5	88	.57	47	.32	5	2.19	.01	.07	1	1
CL 39W 2+20W-B	1	10	8	33	.1	7	1	97	1.08	2	5	ND	8	6	1	2	2	54	.11	.01	5	12	.14	24	.18	2	.50	.01	.03	1	1
CL 39W 2+10W-B	1	14	15	54	.1	14	4	167	3.42	2	5	ND	7	4	1	2	2	157	.14	.03	5	38	.25	37	.20	3	1.06	.01	.03	1	1
CL 39W 2+00W-B	1	6	5	24	.1	2	1	45	1.58	2	5	ND	4	4	1	2	2	87	.05	.01	3	10	.08	9	.12	3	.42	.01	.01	1	1
CL 39W 1+90W-C	1	8	7	31	.1	14	5	77	1.73	2	5	ND	3	2	1	2	2	72	.03	.02	4	40	.42	13	.07	3	.84	.01	.01	2	1
CL 39W 1+80W-B	1	58	11	76	.1	19	6	134	4.94	2	5	ND	4	1	1	2	2	248	.03	.03	3	108	.64	20	.11	3	2.45	.01	.01	1	2
CL 39W 1+70W-B	1	3	5	20	.1	2	1	50	.42	2	5	ND	4	3	1	2	2	19	.05	.01	4	4	.07	13	.09	2	.27	.01	.03	1	1
CL 39W 1+60W-B	1	10	17	21	.1	5	1	59	2.18	4	5	ND	10	5	1	2	2	28	.08	.08	7	15	.12	14	.11	4	2.13	.01	.02	1	2
CL 39W 1+50W-B	1	7	13	49	.1	9	2	176	2.07	2	5	ND	7	6	1	2	2	59	.09	.02	4	15	.39	21	.28	5	.90	.01	.08	1	1
CL 39W 1+40W-A	1	30	35	56	.7	7	2	48	.83	2	5	ND	4	32	1	2	2	11	.18	.09	38	4	.08	139	.03	4	.94	.01	.07	1	1
CL 39W 1+30W-A	1	37	25	53	.3	7	2	42	.77	2	5	ND	7	30	1	2	2	13	.28	.07	39	11	.06	75	.04	5	.77	.01	.03	1	1
CL 39W 1+20W-A	1	35	9	49	.3	12	2	47	.95	2	5	ND	9	64	1	2	2	1	2.73	.17	71	7	.14	119	.01	8	.88	.01	.02	1	1
CL 39W 0+60W-A	1	13	13	63	.1	34	2	50	2.87	34	5	ND	3	4	1	2	2	82	.08	.04	3	134	.33	26	.18	4	.99	.01	.09	1	1
CL 39W 0+50W-A	1	7	6	125	.3	3	1	114	.80	2	5	ND	3	13	1	3	2	4	.31	.09	7	4	.05	32	.01	5	.27	.01	.02	1	2
CL 39W 0+40W-A	1	3	5	80	.1	3	1	62	.28	2	5	ND	1	16	1	2	2	1	.41	.04	2	2	.03	41	.01	3	.14	.01	.01	1	1
CL 39W 0+30W-A	1	3	6	87	.4	5	1	70	.26	2	5	ND	3	12	1	4	2	2	.36	.06	2	3	.03	28	.01	3	.11	.01	.03	1	1
CL 39W 0+20W-A	1	3	5	64	.3	2	1	42	.28	2	5	ND	3	14	1	3	2	1	.36	.04	2	1	.02	38	.01	2	.11	.01	.01	1	2
CL 39W 0+10W-A	1	25	20	28	.1	28	2	37	1.74	101	5	ND	13	52	1	2	2	9	2.02	.15	99	23	.12	90	.02	5	2.01	.01	.01	1	6
CL 39W 0+10W-B	1	15	18	40	.2	18	2	79	1.68	146	5	ND	11	24	1	2	2	24	.72	.05	33	26	.21	52	.10	3	1.46	.01	.05	1	2
CL 39W 0+05W-A	1	11	27	66	.1	21	2	148	.63	77	5	ND	2	12	1	2	2	14	.27	.07	3	36	.13	60	.05	4	.32	.01	.04	1	1
CL 39W 0+05W-B	1	8	10	38	.1	41	4	137	1.84	396	5	ND	3	5	1	2	2	50	.08	.01	4	91	.44	14	.16	4	.78	.01	.03	1	1
CL 39W 0+00W-A	1	41	32	83	.1	228	29	1980	3.95	442	5	ND	2	18	1	2	2	74	.55	.06	11	329	1.23	102	.17	6	2.13	.01	.04	1	8
CL 39W 0+00W-B	4	73	19	91	.4	432	41	7091	11.23	3739	6	ND	7	12	1	2	6	107	.38	.05	19	584	2.20	105	.22	2	4.01	.01	.03	1	55
STD C/PFA-ND	20	39	38	136	7.0	69	27	1221	3.99	38	17	8	36	52	16	15	21	60	.48	.14	37	52	.88	179	.08	39	1.63	.06	.09	12	49

NORTHERN DYNASTY FILL # 65-2370

PAGE 6

SAMPLE	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	V	Au	Tl	Sr	Cd	Sb	Bi	Y	Ca	P	La	Cr	Hg	Ba	Li	S	Al	Na	K	N	Asst
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
CL 39W 0+055-A	1	19	20	41	.1	31	3	99	.97	25	5	ND	1	11	1	2	2	27	.21	.03	4	85	.16	67	.10	2	.48	.01	.04	1	1
CL 39W 0+055-B	1	36	15	46	.1	239	27	530	5.23	183	5	ND	2	10	1	2	2	104	.19	.01	3	935	2.48	36	.28	2	3.71	.01	.03	1	1
CL 39W 0+105-A	1	32	62	114	.4	105	17	1557	2.26	59	5	ND	2	14	1	2	3	45	.37	.06	10	211	.60	164	.11	4	1.34	.01	.08	1	1
CL 39W 0+105-B	1	67	21	119	.2	324	42	1043	7.15	234	5	ND	3	16	1	2	2	156	.34	.01	10	730	3.12	74	.35	3	5.37	.02	.03	1	1
CL 39W 0+155-A	1	25	55	109	.2	202	26	2345	4.53	132	5	ND	3	8	1	2	2	63	.31	.07	2	384	.69	141	.12	4	2.67	.01	.06	1	3
CL 39W 0+155-B	1	55	26	102	.2	402	47	4154	7.28	237	5	ND	4	8	1	2	2	98	.41	.04	17	444	1.09	124	.20	3	4.21	.01	.03	1	6
CL 39W 0+205-A	1	29	39	133	.1	160	21	3531	4.59	77	5	ND	2	8	1	2	2	78	.32	.06	3	420	.54	150	.16	8	2.00	.01	.06		7
CL 39W 0+205-B	1	51	27	100	.3	294	32	1458	7.47	155	5	ND	4	5	1	2	6	124	.22	.05	4	754	1.09	64	.24	26	4.79	.01	.03	1	8
CL 39W 0+255-A	1	38	64	68	.6	22	3	183	.85	7	5	ND	2	26	1	2	2	10	.23	.10	19	14	.66	231	.02	3	.43	.01	.06	1	12
CL 39W 0+255-B	3	12	28	55	.3	11	4	354	3.11	48	5	ND	6	8	1	3	2	89	.09	.04	4	35	.23	52	.25	2	.89	.01	.05	1	4
CL 39W 0+305-A	1	9	10	31	.1	5	1	56	.33	2	5	ND	1	10	1	2	2	6	.08	.03	5	8	.02	67	.01	2	.17	.01	.02	1	1
CL 39W 0+305-B	3	4	10	11	.1	2	1	34	1.17	4	5	ND	4	4	1	2	2	54	.04	.02	3	9	.07	11	.15	2	.39	.01	.02	1	3
CL 39W 0+355-A	1	14	32	37	.1	6	1	54	.58	3	5	ND	1	15	1	2	2	9	.13	.07	9	5	.05	80	.03	2	.43	.01	.06	1	1
CL 39W 0+355-B	7	9	12	14	.1	4	1	43	2.60	3	5	ND	6	3	1	2	2	42	.05	.03	3	17	.09	10	.15	2	1.12	.01	.01	1	1
CL 39W 0+405-A	1	18	30	33	.1	6	1	53	.76	3	5	ND	2	15	1	2	2	11	.10	.05	14	7	.06	104	.04	2	.61	.01	.06	1	1
CL 39W 0+405-B	1	3	11	31	.1	3	1	104	.89	2	5	ND	4	5	1	2	2	20	.06	.01	3	7	.19	19	.14	2	.52	.01	.05	1	1
CL 39W 0+455-A	1	25	25	45	.2	7	1	54	.40	2	5	ND	1	17	1	2	2	6	.17	.09	6	6	.04	101	.01	2	.33	.01	.04	1	1
CL 39W 0+455-B	1	2	8	10	.1	2	1	27	.40	2	5	ND	3	3	1	2	2	14	.05	.01	3	6	.04	11	.07	2	.19	.01	.01	1	6
CL 39W 0+505-A	1	19	31	76	.1	9	1	68	.50	5	5	ND	2	20	1	2	2	8	.27	.10	13	8	.04	162	.01	2	.40	.01	.05	1	1
CL 39W 0+505-B	2	7	11	19	.2	10	1	44	1.32	14	5	ND	11	5	1	2	2	51	.05	.01	6	29	.12	26	.17	2	.69	.01	.03	2	5
CL 39W 0+605-B	1	5	17	32	.1	5	1	88	.98	2	5	ND	5	6	1	4	2	31	.06	.02	4	10	.19	22	.17	2	.67	.01	.06	2	1
CL 39W 0+705-B	1	2	7	19	.1	4	1	88	.82	2	5	ND	6	5	1	2	2	20	.05	.01	3	10	.18	15	.12	2	.47	.01	.07	1	1
CL 39W 0+805-B	1	3	10	32	.1	12	4	131	1.51	11	5	ND	2	2	1	2	2	57	.03	.01	2	120	.65	20	.12	2	1.19	.01	.05	1	1
CL 39W 0+905-A	1	27	31	64	.1	16	2	33	.42	2	5	ND	2	40	1	2	2	5	.28	.11	17	7	.05	162	.01	3	.51	.01	.05	1	6
CL 39W 3+005-B	1	100	20	58	.4	495	34	1530	7.04	145	5	ND	9	24	1	20	2	94	1.83	.07	55	663	1.31	99	.13	9	5.20	.06	.04	1	4
CL 38W 4+005-B	1	98	5	42	.3	59	16	159	3.75	4	5	ND	1	2	1	2	2	134	.14	.02	2	69	.48	15	.14	2	1.19	.01	.02	1	5
CL 38W 3+905-B	1	181	10	51	.1	84	23	195	3.53	6	5	ND	3	4	1	2	2	90	.48	.04	9	67	.50	42	.10	2	1.96	.02	.01	1	4
CL 38W 3+805-B	2	111	14	75	.1	61	17	124	5.35	9	5	ND	5	4	1	2	2	159	.18	.03	3	72	.48	34	.16	3	3.24	.02	.02	1	1
CL 38W 3+705-B	1	9	2	17	.1	11	3	48	.71	2	5	ND	1	2	1	2	2	21	.09	.01	2	7	.76	11	.03	2	.46	.01	.01	1	7
CL 38W 3+605-B	5	144	9	38	.1	54	8	97	7.47	7	5	ND	3	15	1	2	4	197	.10	.07	3	71	1.00	13	.17	4	2.64	.01	.03	1	5
CL 38W 3+505-B	1	110	4	34	.1	17	4	112	4.99	3	5	ND	1	16	1	2	2	232	.20	.04	2	28	.21	17	.11	2	.17	.02	.02	1	4
CL 38W 3+405-B	1	66	31	33	.1	19	6	83	2.63	2	5	ND	1	1	1	2	2	80	.16	.03	2	30	.78	14	.15	4	1.22	.03	.02	1	3
CL 38W 3+305-B	1	21	5	22	.1	8	3	75	1.58	2	5	ND	1	1	1	2	2	56	.15	.02	2	7	.32	8	.11	2	.62	.02	.01	1	1
CL 38W 3+205-B	1	32	14	71	.1	23	9	180	4.85	5	5	ND	5	8	1	2	2	203	.33	.03	7	97	.98	19	.25	3	2.88	.09	.07	1	4
CL 38W 3+105-A	1	63	16	75	.4	6	4	33	.89	2	5	ND	11	26	1	2	2	6	.28	.10	140	9	.04	79	.02	2	1.12	.01	.03	1	6
CL 38W 3+005-A	1	20	4	67	.2	7	2	69	.52	2	5	ND	3	34	1	2	2	4	2.35	.10	15	4	.08	45	.01	4	.32	.01	.01	1	25
STD C/FA-AU	21	60	39	134	7.1	69	27	1188	3.97	39	17	8	35	51	17	15	21	60	.46	.15	38	57	.88	176	.08	39	1.72	.06	.10	12	52

NORTHERN DYNASTY HILL # BS-2370

FRASE

SAMPLES	Mo	Cu	Pb	Zn	Ag	Hg	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	Au**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM
CL 30W 2+90W-A	1	5	6	84	.3	3	1	25	.30	2	5	ND	2	22	1	2	2	2	1.20	.04	4	3	.03	66	.01	4	.19	.01	.01	1	4
CL 30W 2+90W-A P	1	5	4	42	.2	2	1	24	.26	2	5	ND	2	13	1	2	2	1	.52	.06	7	1	.02	45	.01	4	.20	.01	.01	1	4
CL 30W 2+70W-A P	1	16	11	50	.4	4	1	23	.39	2	5	ND	2	19	1	2	2	4	.59	.16	13	9	.03	57	.02	4	.61	.01	.01	1	1
CL 30W 2+60W-A P	1	12	7	53	.2	5	1	21	.35	2	5	ND	1	20	1	2	2	3	1.41	.15	15	2	.04	54	.01	7	.39	.01	.02	1	34
CL 30W 2+50W-A P	1	18	7	50	.4	8	1	23	.61	2	5	ND	3	37	1	2	2	4	1.90	.19	37	8	.07	93	.01	9	.70	.6.	.02	1	52
CL 30W 2+40W-A P	1	22	20	30	.3	5	1	25	.68	2	5	ND	2	17	1	2	2	6	.15	.10	19	6	.03	85	.01	2	.64	.01	.02	1	4
CL 30W 2+30W-B	1	2	9	11	.1	1	1	18	.29	2	5	ND	4	4	1	2	2	10	.04	.01	4	3	.03	8	.07	2	.22	.01	.01	1	4
CL 30W 2+20W-B	1	3	17	38	.1	7	1	151	1.41	2	5	ND	5	5	1	2	2	37	.07	.01	4	12	.43	17	.22	2	.87	.01	.04	1	1
CL 30W 2+10W-B	1	6	10	31	.2	8	1	114	1.17	2	5	ND	6	4	1	3	2	50	.06	.01	7	20	.26	22	.17	2	.65	.01	.06	1	1
CL 30W 2+00W-B	1	5	14	31	.2	9	1	119	1.12	4	5	ND	5	5	1	2	2	30	.07	.01	5	18	.29	16	.16	2	.76	.01	.06	1	3
CL 30W 1+90W-B	1	40	16	54	.3	27	5	140	5.51	251	5	ND	3	6	1	2	2	275	.13	.03	5	103	.51	33	.28	3	1.64	.01	.06	1	1
CL 30W 1+85W-B	1	23	24	78	.3	309	62	5516	10.77	344	5	ND	4	6	1	2	2	91	.54	.06	15	754	1.09	82	.10	4	2.14	.01	.03	3	4
CL 30W 1+80W-A	1	22	11	37		12	2	98	1.04	7	5	ND	2	9	1	2	2	37	.10	.04	4	29	.06	45	.05	2	.65	.01	.02	2	4
CL 30W 1+80W-B	1	19	13	2.	.1	8	1	72	1.22	4	5	ND	2	5	1	2	2	69	.06	.03	4	32	.10	23	.08	2	.81	.01	.01	1	1
CL 30W 1+70W-B	1	214	13	117	.3	68	19	470	7.49	5	5	ND	4	4	1	2	4	183	.17	.04	11	131	.98	29	.13	4	5.87	.03	.03	1	6
CL 30W 1+60W-A	1	93	18	37	.1	32	4	44	.84	2	5	ND	2	15	1	2	2	24	.29	.03	10	15	.09	38	.07	2	.76	.01	.01	1	4
CL 30W 1+50W-B	1	14	15	31	.2	9	1	122	2.04	6	5	ND	5	5	1	2	2	70	.09	.01	4	18	.30	16	.24	2	.81	.01	.04	1	8
CL 30W 1+40W-A	1	24	10	28	.1	7	1	34	.44	2	5	ND	2	11	1	2	2	5	.14	.03	11	9	.02	33	.03	7	.41	.01	.01	1	4
CL 30W 1+40W-B	1	9	7	16	.1	6	1	48	.70	2	5	ND	5	5	1	2	2	14	.09	.02	12	11	.11	13	.08	2	.65	.01	.01	1	1
CL 30W 1+30W-A P	1	50	13	57	.4	16	4	109	.59	2	5	ND	6	37	1	2	2	6	.87	.15	67	10	.06	112	.02	4	1.31	.01	.01	1	6
CL 30W 1+20W-A P	1	4	8	53	.1	3	1	139	.46	2	5	ND	1	20	1	2	2	1	.84	.05	2	3	.05	53	.01	5	.14	.01	.01	1	70
CL 30W 1+10W-A P	1	9	7	36	.1	7	2	56	1.02	3	5	ND	1	52	1	2	2	3	2.47	.17	10	3	.09	71	.01	7	.23	.01	.03	1	130
CL 30W 1+00W-A P	1	4	2	73	.1	3	1	65	.32	2	5	ND	1	17	1	2	2	1	.87	.05	7	1	.02	55	.01	11	.18	.01	.01	1	24
CL 30W 0+90W-A P	1	8	4	34	.2	6	1	51	.47	2	5	ND	4	14	1	2	2	2	.63	.08	25	6	.02	60	.01	3	.35	.01	.01	1	10
CL 30W 0+80W-A P	1	37	12	32	.5	18	1	33	.31	2	7	ND	12	7	1	2	2	3	.13	.19	117	13	.01	26	.03	2	2.77	.01	.01	1	1
CL 30W 0+70W-A	1	33	15	35	.1	19	1	41	.89	2	5	ND	5	13	1	2	2	5	.15	.10	64	8	.06	61	.02	3	1.35	.01	.01	1	1
CL 30W 0+60W-A	1	10	7	28	.1	4	1	19	.35	2	5	ND	1	22	1	2	2	5	.21	.07	15	5	.03	37	.02	2	.42	.01	.03	1	6
CL 30W 0+40W-B	1	5	8	15	.1	5	1	49	.57	2	5	ND	5	5	1	2	2	12	.08	.01	6	11	.10	8	.09	2	.35	.01	.02	1	1
CL 30W 0+50W-A	1	16	14	45	.3	5	1	25	.35	2	5	ND	2	24	1	2	2	7	.25	.06	9	10	.03	95	.02	3	.39	.01	.04	2	1
CL 30W 0+50W-B	1	5	13	27	.1	5	1	73	.68	3	5	ND	4	5	1	2	2	17	.06	.01	4	12	.17	14	.12	2	.58	.01	.04	1	4
CL 30W 0+45W-B	1	14	13	27	.1	10	2	97	1.83	2	5	ND	7	8	1	2	2	37	.13	.03	9	18	.22	21	.15	2	1.99	.02	.03	1	8
CL 30W 0+40W-B	1	7	18	20	.1	6	1	51	1.60	2	5	ND	8	5	1	2	2	22	.07	.03	9	16	.10	15	.09	3	2.34	.01	.01	1	6
CL 30W 0+35W-A	1	12	21	48	.1	5	1	31	.27	5	5	ND	1	30	1	2	2	5	.22	.09	8	5	.04	127	.01	3	.24	.01	.04	2	46
CL 30W 0+35W-B	1	7	15	35	.1	8	1	102	1.65	2	5	ND	7	5	1	2	2	32	.09	.03	9	15	.25	18	.15	3	1.26	.01	.03	1	1
CL 30W 0+30W-A	1	7	23	47	.1	4	1	56	.31	2	5	ND	2	27	1	2	3	6	.23	.07	5	6	.04	87	.02	4	.27	.01	.04	1	1
CL 30W 0+30W-B	1	8	10	21	.1	7	1	57	1.77	4	5	ND	7	4	1	4	2	20	.05	.03	16	18	.14	28	.11	2	1.84	.01	.03	1	1
STB C/F-A-AU	20	58	38	133	7.0	48	26	1139	3.94	38	17	7	34	49	18	16	22	57	.48	.14	39	54	.87	185	.07	38	1.71	.06	.11	11	48

NORTHERN DYNASTY FILL # 65-2370

PAGE 11

SAMPLES	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Ce	Hg	Ba	Ti	S	Al	Mg	A	B	Ag++
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
CL 384 0425H-A	1	154	22	54	.1	4	3	37	.43	7	5	ND	1	15	1	2	2	7	.12	.08	6	6	.03	78	.01	2	.31	.01	.02	1	1
CL 384 0425H-B	1	17	17	19	.1	4	1	57	2.42	2	5	ND	7	4	1	2	2	37	.06	.04	6	18	.10	15	.14	2	2.09	.01	.01	1	6
CL 384 0420H-A	1	27	32	49	.1	6	1	90	.29	3	5	ND	1	22	1	2	2	5	.21	.09	4	8	.05	92	.01	2	.76	.01	.02	1	2
CL 384 0420H-B	1	7	10	20	.1	3	1	49	2.01	4	5	ND	6	4	1	2	2	33	.05	.03	5	13	.09	15	.14	2	1.23	.01	.01	1	3
CL 384 0415H-A	1	25	35	67	.3	9	2	63	.44	2	5	ND	1	32	1	2	2	6	.26	.14	10	8	.06	139	.01	3	.51	.01	.05	1	2
CL 384 0415H-B	1	7	14	33	.2	5	1	69	1.26	2	5	ND	4	5	1	3	2	46	.07	.02	4	11	.14	11	.20	2	.57	.01	.02	1	38
CL 384 0410H-A	1	20	38	62	.1	7	1	112	.32	4	5	ND	1	32	1	2	2	5	.36	.08	9	6	.07	149	.01	2	.33	.01	.04	1	10
CL 384 0410H-B	1	5	18	17	.1	5	1	47	1.25	3	5	ND	3	5	1	2	2	34	.06	.01	5	12	.10	12	.15	2	.85	.01	.81	1	6
CL 384 0405H-A	1	14	19	39	.1	6	1	34	.36	3	5	ND	1	21	1	2	2	6	.15	.05	7	8	.04	115	.01	2	.28	.01	.02	1	1
CL 384 0405H-B	1	9	12	19	.3	6	2	51	1.63	2	5	ND	8	5	1	2	2	20	.08	.02	9	16	.11	18	.09	3	2.07	.01	.01	1	2
CL 384 0400H-A	1	20	20	32	.1	8	1	22	.44	3	5	ND	1	25	1	2	2	5	.26	.05	16	14	.05	83	.01	2	.42	.01	.02	1	6
CL 384 0400H-B	1	8	8	17	.1	5	1	59	1.31	2	5	ND	8	6	1	2	2	20	.16	.02	17	13	.13	20	.09	2	1.25	.01	.01	1	5
CL 384 0405S-A	1	10	14	31	.1	3	1	40	.39	2	5	ND	1	23	1	2	2	7	.48	.05	17	12	.08	56	.04	2	.36	.01	.03	1	1
CL 384 0405S-B	1	8	7	17	.1	7	1	82	.82	2	5	ND	4	7	1	2	2	14	.16	.02	9	12	.17	18	.09	2	.42	.01	.01	3	3
CL 384 0410S-A	1	.15	13	40	.2	4	1	20	.37	2	5	ND	3	28	1	2	2	4	.58	.05	27	9	.07	53	.02	2	.42	.01	.01	1	1
CL 384 0410S-B	1	27	17	51	1.0	9	2	26	1.11	5	5	ND	5	47	1	2	2	6	1.07	.20	59	14	.13	90	.03	2	1.10	.01	.03	1	1
CL 384 0415S-A	1	21	20	31	.3	8	2	78	.90	2	5	ND	11	20	1	2	2	16	.49	.04	56	14	.16	65	.10	2	.90	.01	.05	1	2
CL 384 0415S-B	1	4	6	15	.1	4	1	59	.54	2	5	ND	4	6	1	2	2	11	.15	.03	7	7	.13	13	.07	2	.31	.01	.01	1	1
CL 384 0420S-A	2	58	33	74	1.4	21	10	791	2.29	29	5	ND	16	62	1	2	2	28	1.54	.23	189	28	.24	167	.05	6	1.92	.01	.07	1	1
CL 384 0420S-B	1	29	19	52	.1	19	6	255	2.65	11	5	ND	10	12	1	3	2	41	.34	.03	31	25	.50	55	.18	2	1.40	.01	.05	1	1
CL 384 0425S-A	1	42	18	44	.2	11	2	59	.96	6	5	ND	9	42	1	2	2	10	.84	.13	121	21	.13	94	.03	2	.92	.01	.03	2	1
CL 384 0425S-B	1	16	15	58	.4	15	6	294	2.45	7	5	ND	11	13	1	2	2	38	.33	.03	29	22	.53	56	.20	2	1.37	.01	.06	1	2
CL 384 0430S-A	1	29	16	39	.4	8	2	97	1.14	2	5	ND	7	46	1	2	2	6	1.21	.27	103	14	.14	83	.02	4	1.11	.01	.01	1	6
CL 384 0430S-B	1	9	6	23	.1	6	2	123	.99	2	5	ND	7	9	1	2	2	16	.24	.07	21	14	.20	21	.07	2	.52	.01	.02	1	2
CL 384 0435S-A	1	31	25	51	.2	8	1	61	1.11	4	5	ND	9	39	1	2	2	9	.92	.15	97	18	.14	79	.03	2	1.10	.01	.03	1	8
CL 384 0435S-B	1	7	7	25	.1	6	2	133	1.15	2	5	ND	6	8	1	2	2	19	.18	.03	14	12	.24	17	.10	2	.56	.01	.03	1	3
CL 384 0440S-A	1	20	16	62	.2	8	4	58	.80	2	5	ND	6	31	1	2	2	6	.81	.16	69	11	.11	59	.03	2	.99	.01	.02	1	2
CL 384 0440S-B	1	6	6	17	.1	6	1	102	.80	2	5	ND	6	9	1	2	2	14	.24	.08	13	14	.19	14	.07	2	.41	.01	.03	1	1
CL 384 0445S-A	1	23	16	35	.4	8	3	154	1.28	2	5	ND	7	24	1	2	2	11	.61	.15	62	15	.09	59	.02	2	.89	.01	.03	1	1
CL 384 0445S-B	1	6	5	17	.1	6	1	87	.60	2	5	ND	5	9	1	2	2	11	.22	.04	15	13	.16	18	.07	2	.52	.01	.02	1	1
CL 384 0450S-A	1	9	9	25	.2	4	1	139	.44	4	5	ND	3	17	1	2	2	6	.74	.09	31	12	.13	36	.03	5	.58	.01	.03	1	2
CL 384 0450S-B	1	7	6	20	.1	5	2	133	.86	2	5	ND	7	9	1	2	2	14	.31	.07	18	12	.20	19	.07	2	.44	.01	.03	1	2
CL 384 0460S-A	1	17	17	59	.5	8	14	1240	1.41	3	5	ND	7	43	1	2	2	13	3.63	.17	57	11	.32	103	.03	7	.92	.01	.04	1	8
CL 384 0470S-A	1	25	16	57	.4	9	2	48	1.27	2	5	ND	6	34	1	2	2	7	.80	.20	54	20	.10	79	.02	2	1.05	.01	.02	1	2
CL 384 0470S-B	1	7	12	36	.1	7	2	188	1.77	2	5	ND	6	9	1	2	2	28	.20	.02	11	15	.36	26	.15	2	.75	.01	.06	1	2
CL 384 0480S-A	1	49	9	33	.6	14	5	583	.98	4	5	ND	8	61	1	2	2	10	6.31	.14	79	12	.16	105	.01	7	1.02	.01	.01	1	1
STD C/FA-M	21	60	40	132	7.1	68	27	1195	3.97	40	17	8	39	53	16	15	21	61	.46	.13	37	59	.88	180	.08	38	1.72	.06	.10	12	50

NORTHERN DYNASTY FILE # 85-2370

PAGE 9

SAMPLES	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Rq	Ba	Ti	B	Al	Na	K	W	Mn	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	S	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	1	PPH	PPH
CL 38W 0490S-A	2	29	10	40	.4	23	6	1699	.70	6	5	ND	4	28	1	2	2	7	6.29	.16	22	21	.11	100	.01	10	.92	.01	.01	1	2	
CL 38W 0490S-B	1	10	18	19	.1	10	1	89	.69	6	5	ND	2	3	1	2	2	37	.13	.01	6	38	.11	22	.09	3	.67	.01	.02	1	2	
CL 38W 1400S-A	1	8	4	63	.2	4	1	15	.22	2	5	ND	2	20	1	2	2	3	1.67	.06	6	9	.07	27	.01	3	.22	.01	.01	1	18	
CL 38W 1400S-B	1	7	4	18	.1	8	2	97	.93	2	5	ND	5	9	1	2	2	15	.28	.05	10	16	.17	18	.08	2	.48	.01	.03	1	3	
CL 37W 4400H-B	1	6	4	12	.1	5	1	54	.76	2	5	ND	5	6	1	2	2	12	.12	.02	10	12	.10	7	.06	2	.50	.01	.01	1	1	
CL 37W 3490H-B	1	7	6	20	.2	5	1	87	.96	2	5	ND	8	6	1	2	2	14	.16	.04	14	13	.17	13	.08	2	.63	.01	.02	1	1	
CL 37W 3490H-A	1	8	8	22	.1	6	1	87	.88	2	5	ND	6	6	1	2	2	15	.20	.07	11	13	.17	10	.08	2	.58	.01	.02	1	6	
CL 37W 3470H-B	1	6	8	14	.1	5	1	66	.82	2	5	ND	5	6	1	2	2	17	.15	.04	10	13	.13	13	.09	2	.64	.01	.01	1	9	
CL 37W 3460H-A	1	22	17	45	.2	7	4	41	.79	2	5	ND	3	20	1	2	2	8	.23	.08	31	11	.05	74	.03	2	.81	.01	.04	1	24	
CL 37W 3460H-B	1	6	8	17	.1	6	1	81	.71	3	5	ND	3	7	1	3	2	13	.14	.02	7	13	.15	11	.09	2	.35	.01	.03	1	1	
CL 37W 3450H-A	1	37	14	34	.4	8	2	18	.77	2	5	ND	7	30	1	2	2	5	.82	.15	74	13	.07	89	.02	4	.78	.01	.03	1	22	
CL 37W 3440H-A	1	31	12	39	.1	7	1	15	.76	2	5	ND	6	23	1	2	2	4	.63	.13	67	14	.06	71	.02	3	.71	.01	.01	1	1	
CL 37W 3440H-B	1	6	8	25	.1	5	2	163	1.28	2	5	ND	4	8	1	2	2	26	.20	.02	9	13	.25	19	.15	2	.51	.01	.04	1	2	
CL 37W 3430H-A	1	19	6	40	.1	5	1	25	.58	2	5	ND	4	24	1	2	2	3	1.16	.13	38	8	.05	72	.02	5	.58	.01	.01	1	1	
CL 37W 3420H-B	1	9	8	13	.1	6	1	54	.76	2	5	ND	5	6	1	2	2	16	.13	.02	11	14	.12	10	.08	2	.48	.01	.01	1	1	
CL 37W 3410H-B	1	28	8	30	.1	13	3	105	2.44	3	5	ND	9	7	1	2	2	37	.10	.01	13	29	.26	18	.11	4	1.87	.01	.04	1	3	
CL 37W 3400H-B	2	37	14	33	.1	30	6	174	4.68	3	5	ND	2	3	1	2	2	201	.16	.01	8	58	.48	30	.18	2	1.75	.02	.02	1	13	
CL 37W 2490H-B	1	7	14	32	.1	13	3	189	2.73	2	5	ND	5	8	1	2	2	76	.13	.02	10	116	.82	31	.31	3	1.57	.01	.09	1	2	
CL 37W 2480H-B	1	6	9	34	.1	10	1	105	1.99	2	5	ND	4	7	1	2	3	49	.11	.02	7	21	.25	26	.20	2	.73	.01	.05	1	2	
CL 37W 2470H-B	3	20	25	64	.1	68	9	254	7.33	76	5	ND	11	5	1	2	2	110	.11	.02	9	192	.73	40	.26	3	4.64	.01	.02	4	12	
CL 37W 2460H-B	1	39	13	41	.1	31	7	133	3.33	2	5	ND	1	2	1	2	2	110	.23	.02	4	87	.36	26	.15	2	2.27	.02	.02	1	2	
CL 37W 2450H-A	1	31	7	49	.1	11	2	44	1.07	6	5	ND	1	10	1	2	2	34	.14	.05	8	21	.08	44	.05	3	1.00	.01	.01	1	2	
CL 37W 2450H-B	1	47	14	48	.1	29	5	89	4.08	6	5	ND	4	4	1	2	2	167	.14	.01	9	96	.39	24	.21	2	2.57	.02	.02	1	7	
CL 37W 2440H-A	1	49	19	30	.1	9	3	13	.72	2	5	ND	3	17	1	2	2	6	.14	.06	32	15	.02	57	.03	2	1.02	.01	.01	1	1	
CL 37W 2430H-B	1	7	10	18	.1	8	1	67	.79	2	5	ND	6	7	1	2	2	21	.11	.01	7	20	.15	13	.13	2	.58	.01	.01	1	1	
CL 37W 2420H-A	1	93	12	23	.1	43	4	80	1.27	12	5	ND	2	12	1	2	2	34	.57	.07	25	27	.13	61	.06	2	1.03	.01	.01	1	1	
CL 37W 2410H-B	1	82	21	68	.1	38	8	120	7.43	50	5	ND	3	3	1	2	3	242	.10	.01	5	136	.59	32	.15	2	4.11	.02	.04	1	2	
CL 37W 2400H-B	1	89	10	60	.1	27	5	263	3.87	47	5	ND	2	2	1	2	2	107	.32	.05	5	44	.35	37	.12	2	2.18	.02	.04	1	3	
CL 37W 1490H-B	1	99	16	39	.1	31	8	216	4.73	24	5	ND	2	4	1	2	2	157	.33	.02	6	49	.36	46	.22	2	1.90	.04	.04	1	1	
CL 37W 1480H-A	1	168	24	42	.4	29	4	25	1.11	2	7	ND	7	32	1	2	2	9	.77	.11	52	16	.05	88	.02	2	1.39	.01	.02	2	8	
CL 37W 1470H-A	1	151	33	52	.1	22	1	33	1.31	2	5	ND	2	20	1	2	2	17	.21	.12	30	22	.04	88	.05	2	1.52	.01	.02	1	10	
CL 37W 1470H-B	4	25	25	63	.2	15	2	216	2.91	6	5	ND	6	10	1	2	2	112	.13	.03	10	24	.42	35	.35	3	1.47	.01	.07	1	3	
CL 37W 1460H-A	1	34	13	42	.1	10	3	44	.67	2	5	ND	2	22	1	2	3	9	.24	.06	21	9	.04	73	.03	2	.72	.01	.02	2	6	
CL 37W 1450H-A	1	47	27	35	.3	13	2	28	.77	2	5	ND	4	26	1	2	2	7	.18	.08	26	10	.03	93	.02	2	.85	.01	.04	1	8	
CL 37W 1440H-A	1	54	27	52	.1	16	3	40	.54	2	5	ND	2	35	1	2	2	6	.16	.08	22	9	.03	156	.01	2	.68	.01	.03	1	6	
CL 37W 1430H-A	1	27	22	35	.1	7	2	24	.72	2	5	ND	4	30	1	2	2	6	.16	.08	33	7	.04	91	.02	2	.94	.01	.03	1	2	
ST9 C/FA-MT	22	59	41	134	7.1	67	26	1174	3.97	40	18	8	38	52	16	15	21	60	.48	.14	37	57	.88	176	.08	38	1.72	.06	.10	11	52	

NORTHERN DYNASTY FILE # B5-2370

PAGE 10

SAMPLE#	Pb	Co	Pb	Zn	Ag	Ni	Co	Kn	Fe	As	U	Au	In	Sr	Cd	Se	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	K	Na	K	N	UFF
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
CL 37N 1+20N-B	1	7	10	13	.1	4	1	40	2.05	2	5	ND	4	4	1	3	2	63	.08	.02	6	12	.08	10	.14	2	.82	.01	.01	1	6
CL 37N 1+10N-A	1	45	31	118	.3	10	2	41	.35	2	5	ND	1	34	1	4	2	6	.29	.10	7	5	.94	154	.01	4	.40	.01	.04	1	1
CL 37N 1+00N-A	1	49	34	73	.1	23	3	128	.60	2	5	ND	1	38	2	2	2	8	.44	.11	22	10	.05	197	.01	3	.10	.01	.05	1	1
CL 37N 0+90N-B	1	7	8	14	.1	6	1	51	1.35	2	5	ND	6	6	1	2	2	28	.08	.01	7	13	.12	11	.11	2	.78	.01	.02	1	2
CL 37N 0+80N-A	1	97	24	64	1.5	41	15	437	3.29	2	5	ND	33	49	1	5	2	34	.67	.16	244	44	.42	199	.08	8	2.98	.02	.17	1	1
CL 37N 0+70N-A	1	47	13	42	.4	11	8	670	1.61	2	5	ND	11	19	1	2	2	22	.26	.09	95	27	.13	68	.05	3	1.04	.01	.04	1	1
CL 37N 0+60N-A	1	30	9	34	.4	12	3	134	1.04	2	5	ND	7	42	1	2	2	6	1.34	.28	83	17	.10	84	.01	11	.98	.01	.03	1	1
CL 37N 0+50N-A	1	47	17	49	.3	13	6	315	1.25	2	5	ND	10	45	1	2	2	10	1.38	.20	183	25	.10	108	.01	5	.85	.01	.03	1	1
CL 37N 0+45N-A	1	31	18	34	1.0	12	7	194	1.20	2	5	ND	9	34	1	2	2	10	1.10	.20	81	20	.11	74	.02	6	.78	.01	.04	1	2
CL 37N 0+40N-A	1	32	9	22	.1	11	5	104	.66	2	5	ND	4	27	1	2	2	6	.85	.09	54	24	.08	60	.02	3	.52	.01	.02	1	1
CL 37N 0+35N-A	1	30	15	23	.2	9	5	143	.58	2	5	ND	6	28	1	2	2	7	.94	.15	51	22	.09	65	.02	4	.72	.01	.03	1	1
CL 37N 0+30N-A	1	14	4	73	.5	9	11	426	.96	2	5	ND	5	42	1	2	2	4	1.60	.18	45	10	.09	65	.02	7	.68	.01	.03	1	1
CL 37N 0+25N-A	1	16	10	40	.4	7	9	400	.92	4	5	ND	3	26	1	2	2	7	.81	.13	34	16	.11	53	.03	4	.60	.01	.03	1	1
CL 37N 0+20N-A	7	20	53	57	1.0	19	91	8493	7.68	18	5	ND	10	37	1	3	2	92	1.26	.17	57	23	.11	114	.05	5	1.00	.01	.03	1	8
CL 37N 0+15N-A	13	24	60	46	1.3	9	95	7594	6.84	18	5	ND	24	47	1	3	2	67	1.90	.24	162	30	.15	154	.04	7	1.84	.01	.01	1	16
CL 37N 0+10N-A	6	14	10	76	.4	6	20	6032	2.47	10	5	ND	9	56	1	2	2	15	3.88	.12	50	8	.21	149	.01	9	.71	.01	.01	1	10
CL 37N 0+05N-A	6	16	11	74	.3	6	16	3326	6.12	75	5	ND	9	38	1	2	2	21	2.53	.12	60	13	.15	133	.01	9	1.01	.01	.01	1	1
CL 37N 0+00N-A	2	20	5	87	.3	7	10	1286	1.58	4	5	ND	7	34	1	2	2	20	2.18	.11	50	11	.11	78	.01	10	.82	.01	.01	1	1
CL 37N 0+055-A	4	18	14	118	.4	6	20	2127	7.16	46	5	ND	11	31	1	2	2	34	1.85	.12	65	7	.10	111	.02	8	1.08	.01	.01	1	1
CL 37N 0+105-A	1	8	5	101	.1	6	6	1272	2.06	22	5	ND	4	46	1	2	2	24	1.70	.10	16	8	.43	144	.07	5	.73	.02	.18	1	1
CL 37N 0+150-A	20	15	17	233	.3	6	95	32563	10.30	70	6	ND	14	42	1	7	2	31	2.82	.11	29	11	.14	899	.01	14	1.13	.01	.02	1	1
CL 37N 0+205-A	7	12	6	103	.4	6	17	5722	6.93	79	5	ND	4	37	1	2	2	22	3.37	.16	15	8	.12	161	.01	7	.66	.01	.01	1	1
CL 37N 0+255-A	1	28	21	58	.1	24	3	182	.42	3	5	ND	1	64	1	2	2	6	.44	.08	11	8	.06	154	.01	4	.44	.01	.05	1	1
CL 37N 0+305-B	1	6	9	17	.1	5	1	45	2.04	4	5	ND	5	3	1	2	2	47	.06	.01	4	18	.09	10	.13	2	1.08	.01	.01	1	2
CL 37N 0+355-B	1	7	11	19	.1	5	1	63	2.07	3	5	ND	8	4	1	2	2	36	.06	.02	6	16	.10	15	.13	2	2.20	.01	.02	1	2
CL 37N 0+405-B	1	7	16	21	.1	4	1	37	1.92	22	5	ND	6	5	1	2	2	31	.06	.01	5	21	.06	19	.10	2	2.46	.01	.02	1	6
CL 37N 0+455-B	1	12	16	39	.1	15	2	125	3.27	36	5	ND	8	7	1	2	2	54	.10	.02	15	32	.32	34	.18	2	2.47	.01	.03	1	1
CL 37N 0+505-B	1	3	9	10	.1	2	1	25	.33	10	5	ND	5	3	1	2	2	15	.04	.01	5	7	.03	9	.07	2	.25	.01	.01	1	4
CL 37N 0+605-B	1	9	8	14	.1	7	1	54	1.53	17	5	ND	10	4	1	2	2	24	.11	.02	17	16	.11	13	.07	2	1.16	.01	.01	1	7
CL 37N 0+705-B	1	5	5	10	.1	5	1	50	.63	25	5	ND	4	4	1	2	2	12	.05	.01	5	11	.06	10	.07	2	.67	.01	.01	1	2
CL 37N 0+805-B	1	11	16	26	.1	9	2	72	1.94	16	5	ND	7	5	1	3	2	37	.09	.02	8	21	.18	18	.11	2	1.21	.01	.03	1	1
CL 37N 0+905-B	1	7	16	21	.1	8	1	107	1.72	3	5	ND	5	5	1	2	4	54	.07	.01	6	16	.19	15	.18	2	.74	.01	.03	1	11
CL 37N 1+005-B	2	20	34	51	.1	317	25	4822	8.73	65	5	ND	5	8	1	2	3	47	.44	.02	11	211	.42	99	.08	4	3.15	.02	.03	1	1
CL 34+33N 0+055-B	1	49	31	97	.1	281	32	6761	7.72	280	5	ND	6	13	1	2	2	44	1.16	.02	11	399	1.04	124	.10	4	3.56	.01	.04	1	2
CL 36N 4+00N-B	1	10	2	19	.1	19	4	165	1.43	3	5	ND	9	7	1	2	2	27	.18	.02	24	31	.19	22	.10	2	1.07	.01	.01	1	1
CL 36N 3+90N-B	1	8	5	13	.1	6	1	74	.82	2	5	ND	4	7	1	2	2	14	.18	.04	9	13	.17	14	.08	2	.48	.01	.01	1	2
STD C/FA NO	19	62	39	130	7.0	71	28	1127	3.99	41	15	8	40	54	18	15	21	44	.48	.11	37	61	.88	176	.08	40	1.72	.06	.11	11	48

NORTHERN DYNASTY FILL # ND-2070

FIG. 11

SAMPLE	Mo	Cu	Pb	Zn	Ag	Hg	Co	Ni	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Mn	Z	K	As#	
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	PPH	1	1	1	1	PPH	PPH
CL 36N 3+80N-A	1	57	33	52	.2	14	2	49	.91	4	5	ND	4	20	1	3	2	15	.36	.06	24	9	.06	97	.06	3	.71	.01	.04	1	1	
CL 36N 3+70N-A	1	48	5	20	.1	7	1	64	.85	2	5	ND	1	4	1	2	2	28	.20	.03	6	10	.11	27	.04	2	.34	.02	.01	1	2	
CL 36N 3+60N-A	1	36	2	69	.2	33	3	1047	.47	6	5	ND	1	44	1	2	2	6	3.83	.09	20	5	.16	87	.01	15	.49	.01	.01	1	1	
CL 36N 3+50N-A	1	16	9	33	.2	8	2	46	1.07	3	5	ND	3	40	1	2	2	4	.60	.10	41	9	.06	66	.01	3	1.04	.01	.01	1	1	
CL 36N 3+40N-A	1	19	11	33	.1	8	1	11	.66	2	5	ND	4	24	1	2	2	1	.41	.09	46	6	.03	43	.01	3	.91	.01	.01	1	2	
CL 36N 3+30N-A	2	58	3	27	.3	20	34	532	1.14	2	5	ND	6	26	1	2	2	10	2.61	.14	45	13	.07	67	.01	6	1.48	.01	.01	1	1	
CL 36N 3+20N-A	1	16	3	38	.1	6	1	127	.22	2	5	ND	1	32	1	2	2	2	5.35	.06	6	2	.16	42	.01	9	.26	.01	.01	1	1	
CL 36N 3+10N-A	1	58	9	36	.2	13	2	19	1.51	2	5	ND	9	39	1	2	2	6	1.13	.13	75	14	.08	107	.02	3	1.24	.01	.01	1	2	
CL 36N 3+00N-A	1	30	20	68	.1	9	2	46	.39	2	5	ND	1	30	1	2	2	4	.52	.07	24	7	.06	130	.01	4	.43	.01	.02	1	1	
CL 36N 2+90N-A	1	22	15	44	.2	9	2	54	.56	3	5	ND	2	26	1	2	2	8	.30	.07	15	9	.07	54	.02	4	.61	.01	.03	1	2	
CL 36N 2+80N-A	1	18	3	67	.1	8	2	18	.17	2	5	ND	1	63	1	2	2	2	.18	.05	3	5	.10	107	.01	5	.34	.01	.02	1	1	
CL 36N 2+70N-B	1	6	5	16	.1	5	1	67	.94	2	5	ND	5	6	1	2	2	13	.15	.03	9	10	.14	12	.07	2	.62	.01	.01	1	1	
CL 36N 2+60N-A	1	32	14	86	.1	12	4	201	.58	5	5	ND	2	39	1	2	2	6	.68	.10	18	10	.07	84	.01	6	.74	.01	.02	1	2	
CL 36N 2+50N-A	1	13	15	87	.1	9	2	44	.33	2	5	ND	1	28	1	2	2	3	.63	.07	11	5	.06	61	.01	7	.38	.01	.03	1	1	
CL 36N 2+40N-A	1	11	2	53	.1	5	1	14	.55	2	5	ND	3	29	1	2	2	4	1.64	.4	10	12	.10	32	.02	4	.49	.01	.02	1	2	
CL 36N 2+30N-A	1	34	7	30	.4	13	2	95	1.60	3	5	ND	11	41	1	2	2	9	1.86	.15	106	15	.12	84	.01	7	1.26	.01	.01	1	2	
CL 36N 2+20N-A	1	48	13	32	.2	21	4	28	.98	8	5	ND	7	43	1	3	2	5	1.77	.10	62	10	.10	103	.01	5	1.16	.01	.02	1	1	
CL 36N 2+10N-A	1	17	21	43	.1	10	2	11	.28	2	5	ND	5	39	1	2	2	2	1.01	.07	35	5	.01	27	.01	5	.42	.01	.02	1	2	
CL 36N 2+00N-A	1	25	23	63	.1	7	2	59	.64	4	5	ND	5	31	1	2	2	7	.59	.08	56	10	.08	84	1	6	.59	.01	.06	1	2	
CL 36N 1+90N-A	1	24	26	53	.4	6	3	31	.71	3	7	ND	3	26	1	2	2	5	.25	.07	32	9	.05	81	1	4	.80	.01	.04	1	2	
CL 36N 1+80N-A	1	14	12	68	.1	5	2	34	.26	4	5	ND	1	37	1	2	2	3	.25	.06	6	4	.04	110	.01	3	.29	.01	.02	1	8	
CL 36N 1+70N-B	1	7	8	20	.1	5	1	63	2.31	2	5	ND	3	5	1	2	2	31	.07	.03	6	21	.13	14	.12	2	1.28	.01	.01	1	2	
CL 36N 1+60N-B	1	6	14	23	.1	6	1	60	2.36	7	3	ND	7	6	1	2	2	43	.07	.01	5	14	.15	25	.13	2	1.52	.01	.02	1	2	
CL 36N 1+50N-A	1	16	42	111	.1	14	2	146	.38	7	5	ND	1	40	1	2	2	7	.62	.06	11	10	.05	150	.01	7	.39	.01	.04	1	2	
CL 36N 1+40N-B	1	19	21	57	.1	11	2	122	3.26	6	5	ND	12	6	1	2	3	50	.09	.04	9	31	.30	35	.18	2	2.36	.01	.04	1	1	
CL 36N 1+30N-B	2	17	15	35	.1	28	1	160	5.69	60	5	ND	4	4	1	3	2	91	.04	.02	4	144	.67	26	.13	4	1.76	.01	.04	2	2	
CL 36N 1+20N-B	2	8	11	20	.1	4	1	36	3.58	5	5	ND	4	3	1	2	2	50	.03	.02	4	20	.05	81	.10	2	.33	.01	.01	1	2	
CL 36N 1+10N-B	2	24	37	54	.1	12	1	259	4.64	5	5	ND	11	5	1	2	2	84	.12	.01	9	29	.64	26	.46	2	1.71	.01	.13	1	1	
CL 36N 1+00N-B	2	32	22	23	.1	8	1	70	6.79	5	5	ND	6	4	1	2	2	47	.05	.02	9	25	.18	10	.14	2	1.21	.01	.01	1	1	
CL 36N 0+90N-B	1	36	11	22	.2	7	1	70	2.63	6	5	ND	12	5	1	2	2	23	.07	.02	15	25	.18	14	.08	2	2.36	.01	.03	1	2	
CL 36N 0+80N-B	3	157	24	28	.4	14	1	50	18.71	24	5	ND	9	3	1	3	2	49	.05	.02	13	93	.09	11	.08	8	2.11	.01	.02	1	3	
CL 36N 0+70N-A	1	16	6	51	.2	32	2	330	1.45	2	5	ND	2	47	1	2	2	19	1.05	.08	18	9	.38	134	.07	3	.63	.02	.16	1	2	
CL 36N 0+60N-B	1	10	9	27	.1	14	2	159	1.60	3	5	ND	6	8	1	2	2	25	.16	.04	9	21	.29	22	.12	5	.81	.01	.06	1	1	
CL 36N 0+50N-B	1	27	19	43	.1	9	2	125	4.24	48	5	ND	4	4	1	2	2	145	.11	.02	8	27	.40	29	.15	3	2.02	.01	.03	2	10	
CL 36N 0+40N-B	1	9	9	17	.1	8	2	80	3.18	4	5	ND	6	5	1	2	3	19	.14	.03	9	18	.18	14	.07	9	.95	.02	.01	1	11	
CL 36N 0+30N-B	1	9	9	19	.1	10	2	93	1.27	8	5	ND	6	6	1	2	2	20	.12	.02	15	16	.19	22	.10	2	.73	.01	.02	1	2	
STD C/FA-ND	21	60	38	137	7.2	68	27	1206	3.97	40	18	7	36	52	17	16	22	61	.48	.12	37	57	.88	178	.08	39	1.72	.04	.10	12	50	

NORTHERN DYNASTY

SAMPLE	Ac	Cu	Pb	Zn	Mg	Mn	Co	Ni	Fe	As	U	Mo	In	Sr	Cd	Sb	V	Cr	F	Co	Cr	Mg	Ka	Ti	B	Al	Na	K	Ca	PPM	PPB
CL 36W 0+20W-B	1	40	11	30	.1	146	14	1035	3.13	2706	5	ND	6	7	1	2	2	36	.17	.02	13	215	.90	26	.11	11	1.65	.01	.04	1	116
CL 36W 0+10W-B	1	39	10	49	.2	151	12	502	1.81	595	5	ND	5	37	1	2	2	28	1.61	.04	17	223	1.03	49	.09	4	1.51	.03	.03	1	29
CL 36W 0+00W-B	1	53	7	43	.3	95	9	845	1.96	205	5	ND	7	33	1	2	2	33	1.32	.14	62	169	.76	39	.05	5	1.40	.03	.04	1	6
CL 36W 0+10S-A P	1	26	15	30	.1	34	9	2027	.89	50	5	ND	5	49	1	2	2	7	2.01	.09	62	10	.13	106	.01	4	.69	.01	.02	1	26
CL 36W 0+20S-A P	1	9	2	53	.1	5	1	97	.13	2	5	ND	1	37	1	2	2	2	2.18	.05	22	1	.12	46	.01	6	.26	.01	.01	1	2
CL 36W 0+70S-A P	1	13	5	59	.1	9	1	29	.20	3	5	ND	1	34	1	2	2	2	4.24	.05	7	2	.07	38	.01	10	.22	.01	.01	1	2
CL 36W 0+90S-A P	1	41	2	46	.1	16	1	71	.43	7	5	ND	3	36	1	2	2	7	4.37	.11	57	9	.09	57	.01	8	.74	.01	.01	1	2
CL 36W 1+00S-A P	1	34	2	38	.1	10	1	82	.18	2	5	ND	1	29	1	2	2	4	3.57	.06	23	2	.06	40	.01	7	.32	.01	.01	1	1
CL 36W 1+10S-A P	1	34	6	34	.1	8	1	58	.17	2	5	ND	1	32	1	2	2	3	3.70	.06	24	3	.06	39	.01	11	.34	.02	.01	1	1
CL 36W 1+20S-A P	1	42	5	79	.1	11	1	73	.26	2	5	ND	2	38	1	2	2	4	4.05	.08	35	4	.07	48	.01	9	.50	.02	.01	1	2
CL 36W 1+30S-A P	1	13	4	25	.1	8	1	93	.29	2	5	ND	2	37	1	2	2	4	3.56	.07	33	5	.07	35	.01	9	.44	.02	.01	1	2
CL 36W 1+40S-A P	1	3	6	44	.1	2	1	19	.17	2	5	ND	3	10	1	2	2	2	.43	.04	8	1	.02	22	.01	2	.28	.01	.01	1	28
CL 36W 1+50S-A P	1	7	2	40	.1	4	1	34	.19	2	5	ND	1	34	1	2	2	3	4.67	.04	2	1	.06	34	.01	6	.19	.01	.01	1	10
CL 36W 1+60S-B	1	8	7	20	.1	8	1	52	1.71	2	5	ND	9	9	1	7	2	25	.52	.02	10	19	.12	24	.08	2	1.25	.01	.01	1	1
CL 36W 1+70S-A	1	33	24	51	.1	11	1	222	.39	2	5	ND	1	30	1	2	2	5	.44	.09	9	5	.03	181	.01	2	.33	.01	.03	1	20
CL 36W 1+80S-A	1	24	17	52	.1	14	3	35	.39	2	5	ND	1	28	1	2	2	5	.27	.10	13	10	.03	144	.01	2	.40	.01	.04	1	8
CL 36W 1+90S-B	1	54	20	46	.1	203	28	372	3.94	11	5	ND	9	8	1	2	3	42	.18	.02	23	298	.62	84	.13	2	2.46	.01	.03	1	6
CL 36W 2+00S-B	1	23	29	55	.1	14	2	37	.37	2	5	ND	2	19	1	2	5	5	.13	.10	6	8	.03	141	.01	2	.41	.01	.04	1	18
CL 36W 2+10S-B	1	2	7	9	.2	3	1	26	.26	2	5	ND	3	4	1	2	2	9	.04	.01	3	6	.04	17	.05	2	.18	.01	.02	1	1
CL 36W 2+20S-B	1	8	12	26	.1	7	1	92	1.08	2	5	ND	4	5	1	2	3	32	.08	.01	3	13	.23	14	.14	2	.72	.01	.03	1	15
CL 36W 2+30S-B	1	12	14	15	.1	4	1	52	1.38	2	5	ND	5	3	1	2	3	38	.09	.01	6	12	.11	15	.07	2	.97	.01	.01	1	11
CL 36W 2+40S-B	1	8	5	18	.1	3	1	123	.89	2	5	ND	1	1	1	2	2	36	.13	.02	2	1	.11	11	.06	2	.40	.02	.01	1	6
CL 36W 2+50S-B	1	39	13	29	.1	10	6	113	2.97	134	5	ND	4	3	1	2	2	186	.07	.02	3	11	.28	26	.14	2	1.38	.01	.02	1	18
CL 36W 2+60S-B	1	5	9	12	.1	3	1	48	.63	8	5	ND	2	4	1	2	2	31	.07	.01	3	7	.09	12	.09	2	.38	.01	.01	1	4
CL 36W 2+70S-A	1	20	36	62	.1	12	1	160	.33	2	5	ND	1	33	1	2	2	5	.38	.11	5	3	.05	188	.01	2	.36	.01	.03	1	14
CL 36W 2+80S-B	1	19	20	25	.1	16	3	78	4.70	5	5	ND	14	6	1	2	2	68	.08	.04	9	44	.18	27	.14	2	3.65	.01	.02	1	7
CL 36W 2+90S-A	1	15	9	43	.4	8	1	13	.39	2	5	ND	1	22	1	2	2	3	.74	.09	10	5	.03	53	.01	2	.42	.01	.02	1	24
CL 36W 2+90S-B	1	8	14	17	.1	6	1	67	.78	2	5	ND	4	7	1	2	2	27	.13	.02	6	13	.13	18	.16	2	.62	.01	.01	1	1
CL 36W 3+00S-A	1	115	11	48	.6	101	31	367	1.81	11	5	ND	12	51	1	7	2	17	3.45	.21	103	42	.09	131	.03	3	3.94	.01	.02	1	1
CL 35+20W 0+73W-B	10	61	53	52	.1	4	1	82	18.94	26	5	ND	4	3	1	6	2	60	.07	.11	21	44	.09	15	.05	2	.88	.01	.02	1	2
CL 35+07W 1+00S-B	3	55	32	100	.2	420	38	9775	10.78	602	5	ND	4	11	1	3	2	94	1.10	.05	32	356	.97	239	.13	2	3.77	.01	.08	1	28
CL 35W 1+70W-A	1	16	6	42	.3	9	2	108	.84	2	5	ND	2	17	1	2	3	12	.41	.14	11	12	.11	46	.02	2	1.04	.01	.03	1	2
CL 35W 1+60W-A	1	14	12	32	.1	27	7	119	1.65	3	5	ND	1	4	1	2	2	45	.06	.03	4	29	.40	32	.05	2	.95	.01	.03	1	2
CL 35W 1+50W-A	1	30	5	19	.1	12	2	65	1.36	2	5	ND	1	3	1	2	2	39	.06	.03	4	16	.12	32	.03	2	.58	.01	.02	1	3
CL 35W 1+40W-B	1	9	14	17	.1	4	1	42	1.72	3	5	ND	8	6	1	2	2	28	.10	.07	14	12	.09	18	.08	2	1.96	.01	.01	1	1
CL 35W 1+30W-B	1	7	11	13	.2	5	1	44	1.40	3	5	ND	7	3	1	2	2	22	.04	.03	6	14	.10	13	.08	2	1.81	.01	.01	1	1
STD C/F/A-AD	20	60	39	137	7.0	71	27	1190	3.97	40	18	8	34	51	17	15	21	60	.48	.15	38	58	.88	184	.08	38	1.72	.06	.10	12	51

NORTHERN DYNASTY FILE # ND-2370

PAGE 13

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au+1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	2	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM
CL 35M 1+20M-B	1	14	9	19	.1	7	1	57	2.58	5	5	ND	8	4	1	2	2	33	.05	.03	5	22	.12	11	.11	4	1.58	.01	.03	1	1
CL 35M 1+10M-B	1	7	4	15	.1	3	1	44	1.96	4	5	ND	2	2	1	2	2	29	.02	.02	3	13	.02	10	.04	2	.28	.01	.01	1	2
CL 35M 1+00M-B	1	6	16	10	.1	3	1	35	.63	2	5	ND	4	4	1	2	2	23	.04	.01	4	12	.05	11	.11	2	.44	.01	.02	1	1
CL 35M 0+90M-A	1	43	16	47	.8	15	4	72	.71	2	5	ND	2	14	1	2	2	4	.16	.14	22	9	.03	46	.02	4	.82	.01	.04	1	1
CL 35M 0+80M-A	1	10	3	50	.1	7	1	55	.27	2	5	ND	1	11	1	2	2	6	.17	.04	4	16	.05	42	.02	3	.20	.01	.02	1	1
CL 35M 0+70M-B	1	15	22	34	.1	11	2	81	3.21	8	5	ND	8	6	1	2	3	47	.07	.03	7	26	.21	37	.09	7	2.26	.01	.03	1	1
CL 35M 0+60M-B	2	20	14	58	.3	8	6	151	3.76	5	5	ND	4	5	1	2	1	112	.05	.02	3	15	.43	65	.26	3	1.68	.01	.18	1	1
CL 35M 0+50M-B	1	15	15	28	.1	7	4	58	2.05	5	5	ND	5	13	1	2	1	44	.20	.02	21	10	.17	54	.11	2	1.35	.01	.05	1	2
CL 35M 0+40M-B	1	12	10	47	.1	19	6	161	2.11	9	5	ND	6	7	1	2	1	35	.17	.04	8	20	.37	37	.14	3	1.18	.01	.06	2	1
CL 35M 0+50S-B	1	10	15	37	.1	64	7	119	1.51	9	5	ND	7	11	1	3	2	22	.47	.02	10	27	.36	41	.13	4	1.63	.01	.07	2	1
CL 35M 0+60S-B	1	9	12	23	.1	14	2	81	1.43	3	5	ND	5	10	1	2	2	27	.76	.02	9	22	.20	30	.09	2	.94	.01	.03	1	1
CL 35M 0+70S-A	1	44	2	29	.2	36	1	305	.44	2	5	ND	5	35	1	3	2	4	6.48	.10	35	9	.12	53	.01	2	.64	.01	.01	1	1
CL 35M 0+80S-B	1	17	6	22	.1	37	4	67	1.93	6	5	ND	4	7	1	2	2	33	.51	.02	12	35	.16	18	.11	2	1.18	.01	.02	1	1
CL 35M 0+90S-A	1	54	2	42	.2	49	1	207	.23	2	5	ND	4	33	1	3	2	4	6.83	.07	14	7	.12	42	.01	2	.31	.01	.01	2	2
CL 35M 1+00S-A P	1	53	3	35	.2	33	3	395	.78	2	5	ND	5	25	1	2	2	9	4.06	.08	50	13	.18	44	.02	2	.68	.01	.03	1	1
CL 35M 1+10S-A P	1	27	5	40	.4	13	18	1280	1.24	2	5	ND	10	40	1	2	2	12	3.90	.17	108	14	.10	95	.01	6	1.10	.02	.01	1	1
CL 35M 1+20S-A P	1	38	5	63	.2	21	1	91	.29	3	5	ND	5	34	1	2	2	5	5.44	.09	13	9	.07	57	.01	2	.56	.01	.01	1	1
CL 35M 1+30S-A P	1	100	4	48	.1	67	2	431	.28	2	5	ND	5	40	1	2	2	4	6.80	.10	20	13	.07	74	.01	2	.52	.01	.01	1	1
CL 35M 1+40S-A P	1	47	2	39	.2	22	5	442	.72	2	5	ND	7	38	1	2	2	6	5.81	.12	37	11	.06	69	.01	2	.64	.01	.01	1	1
CL 35M 1+50S-A	1	112	3	74	.1	36	4	1656	.64	3	5	ND	7	64	1	2	2	7	6.69	.14	98	15	.11	165	.01	2	.99	.01	.01	1	1
CL 35M 1+60S-A P	1	48	2	60	.4	14	1	474	.41	2	5	ND	6	56	1	2	2	3	5.89	.17	70	8	.09	105	.01	2	.85	.01	.01	1	1
CL 35M 1+70S-A P	1	28	2	39	.2	13	1	64	.29	2	5	ND	4	47	1	2	2	2	5.09	.09	12	4	.07	68	.01	2	.37	.01	.01	1	1
CL 35M 1+80S-A P	1	40	11	78	.1	53	28	1313	2.45	13	5	ND	3	32	1	2	2	56	3.18	.11	10	145	.35	84	.07	2	1.38	.02	.04	1	1
CL 35M 1+90S-A P	1	15	4	63	.2	9	8	771	.56	3	5	ND	4	42	1	2	2	8	4.15	.20	8	11	.06	80	.01	4	.42	.01	.02	1	1
CL 35M 2+00S-A P	1	11	2	27	.1	4	3	202	.41	2	5	ND	4	43	1	2	2	11	4.74	.10	3	5	.07	75	.01	2	.29	.01	.01	1	1
CL 34M 0+30M-B	1	17	15	38	.1	63	9	136	2.50	78	5	ND	7	6	1	2	2	43	.16	.01	13	97	.41	42	.15	2	2.60	.01	.03	1	2
CL 34M 0+20M-A	2	17	30	39	.1	120	14	589	8.30	380	5	ND	3	3	1	2	2	123	.09	.02	9	392	.34	40	.15	2	1.58	.01	.01	1	21
CL 34M 0+10M-B	1	27	21	29	.2	70	11	114	2.44	49	5	ND	2	3	1	2	2	71	.18	.02	3	199	.40	30	.10	2	1.01	.01	.02	1	33
CL 34M 0+00M-B	1	21	7	24	.1	18	3	94	1.76	7	5	ND	4	5	1	3	2	47	.08	.01	6	47	.31	19	.11	2	.95	.01	.02	1	2
CL 34M 0+10S-B	1	11	16	30	.1	9	1	66	3.43	9	5	ND	6	5	1	2	2	53	.07	.03	6	36	.15	27	.13	2	2.03	.01	.02	1	1
CL 34M 0+20S-B	1	9	12	18	.1	10	2	73	2.67	10	5	ND	8	6	1	2	2	46	.12	.05	12	26	.18	17	.10	4	1.38	.01	.02	2	1
CL 34M 0+30S-B	3	13	13	34	.1	39	2	94	3.09	12	5	ND	4	5	1	2	2	80	.08	.03	3	38	.24	18	.18	2	.94	.01	.02	1	1
CL 34M 0+40S-B	1	2	2	10	.1	3	1	31	.37	2	5	ND	3	4	1	2	2	9	.06	.01	5	10	.07	6	.05	2	.22	.01	.01	1	1
CL 34M 0+50S-A	2	35	2	43	.1	41	3	180	.79	4	5	ND	5	48	1	2	2	7	5.35	.15	38	15	.10	78	.01	2	.91	.01	.01	1	2
CL 34M 0+60S-A	1	30	2	64	.1	42	1	87	.31	2	5	ND	4	35	1	4	2	4	5.59	.10	13	7	.08	50	.01	2	.59	.01	.01	1	1
CL 34M 0+70S-A	1	64	23	82	.1	333	28	440	4.22	71	5	ND	13	13	1	2	3	72	.96	.04	62	169	.59	60	.12	2	4.85	.02	.03	1	1
STD C/F/A-AU	20	61	39	135	7.0	67	27	1183	3.97	38	18	8	35	51	17	15	21	60	.48	.15	38	60	.88	177	.08	37	1.72	.06	.11	12	48

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NORTHERN DYNASTY FALLEN BS-2570

SAMPLE	Mo	Cu	Pb	Zn	Mg	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Mu
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
CL 34W 0+80S-A	1	7	9	25	.1	10	3	100	1.13	4	5	ND	5	6	1	2	2	22	.35	.01	8	26	.21	23	.07	3	.82	.01	.03	1	1
CL 34W 0+90S-A	1	9	2	12	.1	33	4	100	1.14	6	5	ND	7	5	1	2	2	16	.30	.02	23	17	.11	21	.06	3	.80	.01	.02	1	1
CL 34W 1+00S-B	1	48	15	31	.2	90	9	204	2.49	45	5	ND	7	7	1	2	2	49	.70	.02	33	71	.30	31	.12	4	1.36	.01	.04	1	2
CL 33W 1+00W-A	1	5	4	48	.2	5	1	19	.16	9	5	ND	1	13	1	2	2	2	.69	.05	2	5	.08	6	.01	2	.12	.01	.02	1	1
CL 32W 0+90W-A	1	40	8	49	.3	29	9	896	1.63	211	5	ND	6	42	1	2	2	14	2.77	.20	45	35	.29	174	.02	6	1.57	.01	.05	1	1
CL 33W 0+80W-A	1	44	10	46	.4	23	5	134	1.27	109	5	ND	8	37	1	2	2	16	2.43	.16	87	25	.30	109	.03	7	1.38	.01		1	1
CL 33W 0+70W-A	1	5	10	35	.1	5	1	53	.72	3	5	ND	5	6	1	2	2	23	.11	.01	7	10	.12	15	.12	2	.46	.01	.03	1	1
CL 33W 0+60W-A	1	37	21	57	.3	22	2	22	.29	2	5	ND	2	26	1	2	2	5	.28	.08	12	5	.03	131	.01	3	.33	.01	.03	1	1
CL 33W 0+50W-B	1	8	10	12	.1	8	2	54	1.30	2	5	ND	8	5	1	2	2	17	.14	.05	11	16	.13	15	.06	3	1.35	.01	.02	1	1
CL 33W 0+40W-A	1	35	16	43	.1	24	3	68	.89	3	5	ND	3	26	1	2	2	20	.35	.06	11	9	.13	126	.06	3	.49	.01	.07	1	1
CL 33W 0+30W-B	1	3	5	14	.1	7	1	54	.88	2	5	ND	5	6	1	2	2	15	.17	.04	8	13	.14	15	.06	2	.51	.01	.02	1	1
CL 33W 0+20W-A	1	45	5	28	.2	41	4	95	.96	3	5	ND	3	22	1	2	2	9	1.84	.11	29	18	.12	81	.02	4	.74	.01	.02	1	1
CL 33W 0+10W-A	1	109	4	40	.5	124	11	144	2.29	4	5	ND	6	31	1	2	2	9	3.17	.20	89	42	.08	105	.02	6	2.51	.01	.01	1	6
CL 33W 0+00W-B	1	6	9	9	.1	7	1	27	.73	5	5	ND	4	4	1	2	2	18	.11	.01	7	13	.06	9	.08	2	.63	.01	.01	1	1
CL 33W 0+10S-A	1	18	21	68	.3	12	2	52	.35	2	5	ND	1	11	1	2	2	8	.20	.05	4	10	.04	83	.03	4	.24	.02	.03	1	12
CL 33W 0+20S-A	1	96	26	28	.2	25	2	27	.72	2	5	ND	1	6	1	2	2	14	.06	.05	14	14	.04	82	.03	2	.65	.01	.03	1	1
CL 33W 0+30S-A	1	25	16	53	.1	12	1	54	.46	5	5	ND	1	12	1	2	2	7	.15	.11	10	19	.05	97	.01	5	.45	.01	.05	1	1
CL 33W 0+40S-A	1	55	4	43	.4	22	2	38	.94	2	5	ND	4	26	1	2	2	4	.54	.15	51	9	.03	99	.01	3	.81	.01	.02	1	1
CL 33W 0+50S-A P	1	12	2	57	.3	9	1	19	.29	2	5	ND	1	20	1	2	2	2	.84	.15	14	9	.04	47	.01	10	.40	.03	.01	1	1
CL 33W 0+60S-A P	1	18	7	42	.5	13	1	20	.71	2	5	ND	4	35	1	2	2	2	1.93	.14	33	6	.05	106	.01	10	.64	.03	.02	1	2
CL 33W 0+70S-A P	1	17	16	51	.1	26	5	29	.51	2	5	ND	3	22	2	2	2	3	.46	.10	23	7	.05	71	.01	7	.38	.02	.05	1	1
CL 33W 0+80S-A P	1	44	27	56	.1	26	3	72	.72	2	5	ND	2	13	1	2	2	8	.17	.08	14	7	.04	95	.01	3	.43	.01	.05	1	1
CL 33W 0+90S-A	1	19	16	53	.1	86	12	584	8.01	192	5	ND	6	7	1	2	2	60	.26	.04	19	71	.31	48	.09	3	2.07	.01	.02	1	6
CL 33W 1+00S-A	1	11	11	32	.2	25	2	105	2.95	59	5	ND	1	1	1	2	2	120	.06	.02	3	77	.15	27	.09	3	.85	.01	.02	1	14
CL 32W 1+20W-B	1	2	2	6	.2	3	1	26	.54	5	5	ND	4	3	1	2	2	20	.03	.01	5	10	.03	9	.08	2	.28	.01	.02	1	1
CL 32W 1+10W-B	1	3	2	8	.1	5	1	46	.66	2	5	ND	4	5	1	2	2	11	.12	.04	8	12	.11	8	.05	2	.35	.01	.01	1	1
CL 32W 1+00W-B	1	4	3	18	.1	6	1	79	.90	2	5	ND	8	6	1	2	2	15	.18	.04	13	16	.17	13	.06	3	.50	.01	.03	1	1
CL 32W 0+90W-B	1	4	2	14	.1	5	1	60	.86	6	5	ND	6	5	1	2	2	15	.12	.06	7	12	.14	10	.05	3	.48	.01	.03	1	1
CL 32W 0+80W-A	1	19	8	47	.1	13	2	25	1.03	12	5	ND	3	27	1	2	2	4	1.07	.15	33	9	.10	115	.02	6	.86	.01	.02	1	1
CL 32W 0+70W-B	1	16	15	40	.1	26	7	121	6.83	8	5	ND	4	10	1	2	2	116	.20	.03	8	77	.70	44	.18	3	2.22	.04	.03	1	1
CL 32W 0+60W-A	1	45	12	41	.1	5	3	20	.70	2	5	ND	2	16	1	2	2	8	.22	.09	18	9	.05	100	.02	3	.69	.01	.03	1	1
CL 32W 0+50W-A	1	7	13	68	.2	4	1	28	.18	2	5	ND	1	15	1	2	2	3	.31	.10	2	2	.05	47	.01	3	.19	.01	.05	1	1
CL 32W 0+40W-B	1	14	10	35	.1	5	1	84	2.88	54	5	ND	2	3	1	2	2	190	.07	.02	5	13	.16	46	.19	2	.94	.01	.02	1	12
CL 32W 0+30W-B	1	109	28	101	.2	322	69	2112	8.29	699	5	ND	3	8	1	2	4	105	.18	.02	21	769	3.05	61	.26	3	4.47	.02	.05	1	6
CL 32W 0+20W-B	1	53	35	113	.5	401	44	6905	7.80	1227	5	ND	3	13	1	2	2	80	1.37	.08	31	644	1.71	129	.15	5	3.83	.02	.03	1	104
CL 32W 0+10W-B	5	97	69	211	.3	414	31	4225	15.44	254	5	ND	5	18	1	2	2	95	1.18	.04	42	268	1.17	145	.11	2	4.34	.05	.03	1	8
CL 32W 0+00W-A	1	44	18	44	.1	25	2	97	.91	8	5	ND	1	4	1	2	2	8	.12	.09	5	40	.04	37	.01	2	.85	.01	.02	1	1
STD C/F/A-MU	20	57	38	132	7.1	71	26	1145	3.95	37	17	8	34	48	16	15	22	58	.48	.14	38	58	.87	184	.07	39	1.71	.06	.10	11	50

NORTHERN DYNASTY TILL N HD-2070

SAMPLES	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Ba	V	Ca	F	La	Cr	Hg	Bi	Li	B	Al	Na	K	M	Au++
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	PPM	PPM
CL 32W 0+105-B	10	146	18	66	.3	106	12	117	0.10	104	5	ND	5	2		4	92	.07	.05	10	229	.52	55	.17	3	3.75	.01	.06	3	21	
CL 32W 0+205-B	6	86	20	81	.1	110	21	276	6.43	31	5	ND	4	6	1	3	152	.11	.03	16	296	1.49	335	.24	3	3.89	.01	.20	1	135	
CL 32W 0+305-B	2	17	17	47	.1	14	2	130	6.21	33	5	ND	11	5	1	2	2	67	.07	.04	12	44	.39	32	.24	2	3.08	.01	.04	2	3
CL 32W 0+405-B	2	71	24	43	.2	87	14	160	5.35	41	8	ND	34	9	1	2	2	60	.16	.05	68	73	.45	53	.18	5	5.62	.01	.04	1	2
CL 32W 0+505-A	1	69	13	51	.1	38	3	17	.87	9	5	ND	2	24	1	2	2	5	.82	.13	32	25	.05	62	.01	3	.95	.01	.01	1	4
CL 32W 0+605-A	1	49	12	42	.1	24	2	16	.78	3	5	ND	3	18	1	2	2	4	.36	.10	24	12	.03	64	.01	2	.86	.01	.02	2	4
CL 32W 0+705-A	1	74	9	43	.1	21	2	14	.83	6	5	ND	3	16	1	2	2	6	.29	.08	34	27	.03	49	.01	2	.84	.01	.01	1	1
CL 32W 0+805-B	1	3	2	8	.1	5	1	32	.44	3	5	ND	3	4	1	2	2	9	.10	.01	5	8	.08	6	.04	2	.25	.01	.01	1	1
CL 32W 0+905-B	1	6	8	24	.1	9	3	130	1.37	2	5	ND	7	5	1	2	2	20	.14	.01	13	12	.20	9	.07	2	.49	.01	.01	1	1
CL 32W 1+005-B	2	15	17	67	.1	18	4	210	2.36	3	5	ND	13	7	1	2	2	37	.32	.03	18	16	.47	34	.16	3	1.58	.01	.06	1	2
CL 32W 1+105-B	1	20	22	89	.1	17	3	240	3.21	2	5	ND	9	9	1	2	2	61	.17	.10	11	76	.57	58	.24	4	1.52	.01	.12	2	3
CL 32W 1+205-B	2	49	19	104	.1	264	20	979	6.66	85	5	ND	6	7	1	3	2	68	.58	.07	19	167	.51	82	.11	3	3.16	.01	.08	1	1
CL 32W 1+305-B	8	28	29	804	.1	317	36	5987	12.63	432	5	ND	5	5	2	6	2	84	.36	.07	35	259	.21	166	.10	2	2.46	.01	.04	1	2
CL 32W 1+405-B	3	211	17	86	.2	210	45	1058	7.09	117	5	ND	3	9	1	2	2	203	.47	.04	15	464	1.10	87	.23	3	3.55	.06	.07	2	3
CL 32W 1+505-A	1	24	15	66	.1	8	3	106	1.06	5	5	ND	1	5	1	2	2	43	.21	.04	2	9	.11	57	.04	2	.51	.02	.03	1	1
CL 32W 1+605-A	1	46	11	17	.1	5	1	86	1.34	2	5	ND	1	2	1	2	2	59	.10	.03	2	8	.08	33	.07	2	.49	.02	.01	1	55
CL 32W 1+705-B	1	26	8	42	.1	15	7	133	3.76	19	5	ND	1	1	1	2	2	313	.09	.02	3	6	.29	22	.18	2	1.07	.01	.01	1	1
CL 32W 1+805-B	3	127	13	67	.1	56	18	343	5.76	10	5	ND	3	3	1	2	2	201	.22	.03	7	73	.88	29	.20	3	2.41	.02	.03	1	1
CL 32W 1+905-A	1	86	16	24	.1	12	2	41	.68	3	5	ND	1	4	1	2	2	17	.13	.06	5	12	.08	49	.01	2	.59	.01	.01	1	2
CL 32W 2+005-A	1	21	5	21	.1	6	2	47	.59	3	5	ND	1	2	1	2	2	23	.10	.02	3	10	.15	20	.03	2	.72	.01	.01	1	3
CL 32W 2+105-B	5	56	18	52	.1	76	14	224	7.87	7	5	ND	5	3	1	2	2	152	.16	.04	14	240	.58	59	.19	4	6.85	.01	.11	1	3
CL 32W 2+205-B	2	132	15	46	.1	34	12	251	6.25	2	5	ND	3	4	1	2	2	233	.19	.03	9	27	.32	69	.15	2	2.28	.01	.06	1	2
CL 32W 2+305-B	2	26	13	41	.1	32	9	271	4.16	6	5	ND	1	3	1	2	2	372	.26	.02	3	62	.58	49	.31	2	2.16	.01	.04	2	1
CL 32W 2+405-A	3	26	12	33	.1	10	9	146	6.40	3	5	ND	1	2	1	2	2	185	.14	.03	5	5	.19	29	.17	2	1.56	.01	.03	1	2
CL 32W 2+505-A	1	41	8	47	.1	13	5	113	1.22	2	5	ND	1	7	1	2	2	48	.37	.14	17	19	.23	56	.03	4	1.60	.01	.01	1	1
CL 32W 2+605-B	1	26	9	28	.1	10	3	83	1.62	2	5	ND	1	4	1	2	2	63	.29	.03	3	16	.31	11	.03	2	1.22	.01	.01	1	1
CL 32W 2+705-B	1	143	8	52	.1	63	29	187	5.45	6	5	ND	3	3	1	2	2	334	.16	.03	6	51	.65	61	.22	2	3.34	.02	.02	1	2
CL 32W 2+805-B	1	30	22	125	.1	21	5	332	4.97	2	5	ND	16	6	1	2	2	67	.12	.28	9	33	.64	49	.26	3	3.28	.01	.09	1	3
CL 32W 2+905-B	5	74	19	130	.1	70	13	263	5.81	6	5	ND	4	3	1	2	2	99	.10	.14	8	155	.45	55	.18	3	2.45	.01	.07	1	22
CL 32W 3+005-B	1	11	12	58	.3	14	2	140	2.79	2	5	ND	7	8	1	3	2	58	.14	.11	4	36	.49	26	.23	2	1.49	.01	.05	1	3
CL 31W 0+70M-B	1	6	10	20	.1	20	4	122	2.66	3	5	ND	5	9	1	2	2	36	.19	.03	7	29	.40	57	.09	4	1.40	.01	.05	1	2
CL 31W 0+80M-A	1	34	13	35	.1	8	3	29	.50	2	5	ND	2	12	1	2	2	8	.17	.06	8	2	.64	88	.02	5	.26	.01	.04	1	4
CL 31W 0+90M-A	1	28	9	38	.2	3	2	19	.57	2	5	ND	1	10	1	2	2	7	.16	.07	4	1	.03	76	.01	2	.38	.01	.03	1	1
CL 31W 0+40M-A	1	30	25	37	.1	13	4	90	3.82	130	5	ND	4	2	1	2	2	132	.08	.03	2	14	.30	66	.21	2	1.91	.01	.07	1	2
CL 31W 0+60M-B	1	6	6	20	.1	12	1	76	1.56	15	5	ND	5	4	1	2	2	52	.05	.01	3	20	.20	15	.11	2	.69	.01	.01	1	1
CL 31W 0+30M-B	1	5	10	12	.1	7	1	44	1.07	3	5	ND	5	4	1	2	2	16	.11	.03	7	11	.11	10	.05	2	.78	.01	.01	1	1
ST6 C/FA-AU	20	56	39	131	6.9	73	26	1153	3.96	37	16	7	36	48	17	15	20	57	.48	.14	38	57	.88	174	.07	39	1.73	.05	.10	11	50

NORTHERN DYNASTY FILE # 65-2376

PAGE 16

SAMPLE	No	Cu	Pb	Zn	Ag	Mn	Co	Mn	Fe	As	U	Au	In	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	S	Al	Na	K	Y	Au#	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	1	1	1	1	PPM	PPM	
CL 31W 0+20W-B-A	3	61	26	77	.3	215	32	1418	6.18	2281	5	ND	7	10	1	3	7	74	.50	.07	22	208	.61	99	.14	6	3.96	.01	.06	1	9	
CL 31W 0+20W-B	1	64	20	68	.4	424	50	1912	6.66	2543	5	ND	4	5	1	2	8	126	.40	.05	14	634	1.50	51	.21	4	5.14	.01	.03	1	295	
CL 31W 0+20W-B-A	1	5	9	19	.1	10	1	75	1.01	31	5	ND	4	5	1	2	2	35	.08	.01	6	21	.16	12	.13	2	.62	.01	.02	1	1	
CL 31W 0+10W-B	2	81	21	47	.2	134	17	145	5.97	112	5	ND	4	3	1	2	3	137	.09	.03	10	267	.36	65	.15	3	4.73	.01	.03	2	75	
CL 31W 0+00W-B	5	27	21	34	.1	38	3	88	5.15	175	5	ND	3	2	1	2	2	116	.08	.03	8	115	.14	27	.11	2	1.13	.01	.02	3	15	
CL 31W 0+10S-B	2	10	16	40	.1	14	1	157	2.45	47	5	ND	6	8	1	2	2	84	.13	.02	6	22	.39	27	.30	2	1.06	.01	.04	2	36	
CL 31W 0+50S-B	1	4	7	11	.1	6	1	48	.69	3	5	ND	3	5	1	2	2	13	.12	.02	6	11	.11	10	.05	2	.33	.01	.01	1	1	
CL 31W 0+60S-B	1	3	5	14	.1	8	2	70	.82	6	5	ND	4	7	1	2	2	15	.21	.03	7	15	.18	21	.06	2	.55	.01	.03	1	1	
CL 31W 0+80S-B	1	4	6	29	.1	6	1	80	1.72	4	5	ND	4	5	1	2	2	34	.06	.03	6	13	.16	16	.12	2	.70	.01	.03	2	1	
CL 31W 0+90S-B	1	7	9	25	.1	14	3	87	2.07	4	7	ND	5	7	1	2	2	27	.10	.05	8	23	.23	41	.69	3	1.58	.01	.04	1	1	
CL 31W 0+00S-B	1	6	6	27	.1	6	2	72	1.81	6	5	ND	8	5	1	2	2	27	.11	.09	8	17	.15	12	.08	3	1.28	.01	.02	1	1	
CL 30W 0+40W-B	2	17	11	17	.1	3	1	44	6.03	10	5	ND	5	4	1	2	2	94	.07	.02	7	15	.11	19	.18	2	1.32	.01	.02	1	1	
CL 30W 0+50W-A	1	14	19	51	.1	7	2	162	.78	4	5	ND	1	21	1	2	2	18	.47	.05	11	8	.08	118	.03	2	.49	.01	.03	1	1	
CL 30W 0+10W-A	2	61	12	40	.1	53	28	2686	1.93	39	5	ND	1	14	1	2	2	35	1.05	.14	21	78	.13	110	.03	4	1.41	.01	.04	1	8	
CL 30W 0+00W-A	P	1	27	11	37	.2	14	1	49	.64	3	10	ND	2	8	1	2	2	4	.24	.24	12	17	.02	51	.01	2	1.01	.01	.03	1	6
CL 30W 0+18S-A	P	1	30	8	30	.1	56	7	135	2.01	59	5	ND	1	15	1	2	2	32	.69	.04	2	74	.14	44	.05	3	.70	.02	.05	2	18
CL 30W 0+20S-A	6	34	23	47	.3	44	5	168	5.94	12	5	ND	2	2	1	2	2	203	.08	.02	7	148	.62	341	.30	3	1.82	.01	.13	2	38	
CL 30W 0+30S-A	1	14	14	54	.1	20	1	93	.97	5	5	ND	1	7	1	2	2	14	.19	.06	4	20	.21	51	.01	2	.59	.01	.02	1	1	
CL 30W 0+40S-A	1	98	19	18	.1	16	1	26	.80	10	5	ND	1	2	1	2	2	19	.02	.07	11	55	.05	59	.01	2	1.01	.01	.01	1	2	
CL 30W 0+50S-B	5	30	18	22	.1	18	2	82	3.20	232	5	ND	4	3	1	2	2	80	.15	.03	5	34	.13	23	.12	2	1.05	.01	.02	1	58	
CL 30W 0+60S-B	1	9	13	38	.1	8	1	119	2.14	16	5	ND	7	6	1	2	2	59	.08	.02	5	18	.28	26	.23	2	1.11	.01	.05	1	2	
CL 30W 0+70S-B	1	8	14	49	.1	9	1	133	1.83	4	5	ND	5	9	1	2	2	38	.19	.02	7	15	.33	24	.19	2	1.33	.01	.05	1	1	
CL 30W 0+80S-B	1	16	8	36	.2	8	1	8	.65	2	19	ND	5	50	1	2	2	3	2.17	.10	11	5	.09	67	.01	2	.83	.01	.01	1	1	
CL 30W 0+90S-A	1	10	3	51	.1	3	1	8	.25	2	18	ND	4	45	1	2	2	3	2.88	.07	4	4	.10	31	.01	2	.30	.01	.01	1	1	
CL 30W 1+00S-B	1	8	16	37	.1	10	1	112	3.03	5	5	ND	6	7	1	3	2	63	.14	.02	6	24	.30	21	.23	4	1.01	.01	.06	1	1	
CL 25W 2+80W-A	1	7	2	37	.1	4	1	10	.46	2	5	ND	1	25	1	2	2	3	1.17	.04	2	8	.04	52	.01	2	.24	.01	.01	1	1	
CL 25W 2+50W-A	1	7	3	40	.1	3	1	12	.78	2	5	ND	1	29	1	2	2	3	1.19	.08	2	3	.07	62	.01	2	.26	.01	.01	1	1	
CL 25W 2+40W-A	1	8	5	63	.1	4	1	44	.43	2	5	ND	1	14	1	2	2	5	.22	.14	11	7	.04	45	.03	2	.53	.01	.02	1	2	
CL 25W 2+30W-B	1	5	3	14	.1	3	1	29	.25	2	5	ND	3	4	1	2	2	5	.10	.01	6	8	.07	9	.04	2	.24	.01	.01	1	1	
CL 25W 2+20W-A	1	87	29	65	.1	17	3	62	1.31	4	5	NC	2	7	1	2	2	15	.16	.09	9	41	.10	73	.03	2	.76	.01	.04	1	2	
CL 25W 2+10W-B	1	35	25	91	.1	25	3	71	.42	4	5	ND	1	20	1	2	2	7	.36	.09	7	9	.04	112	.01	2	.38	.01	.04	1	1	
CL 25W 2+00W-A	1	18	13	42	.1	6	1	49	.41	2	5	ND	1	7	1	2	2	16	.18	.04	3	9	.06	47	.04	2	.33	.01	.03	1	3	
CL 25W 1+50W-B	1	47	11	27	.1	15	4	117	1.48	2	5	ND	6	7	1	2	2	26	.17	.04	10	26	.33	34	.11	2	1.33	.01	.02	1	2	
CL 25W 1+80W-B	1	8	20	35	.1	8	1	95	3.37	5	5	ND	9	7	1	2	2	69	.07	.03	8	31	.23	22	.17	3	2.08	.01	.03	1	1	
CL 25W 1+70W-B	1	12	18	24	.1	8	2	74	2.63	4	5	ND	10	6	1	2	2	63	.07	.04	15	63	.24	20	.12	3	2.57	.01	.02	1	1	
CL 25W 1+60W-A	1	71	12	27	.1	17	2	10	1.27	2	5	ND	1	9	1	2	2	6	.08	.15	11	46	.02	62	.01	2	1.41	.01	.01	1	1	
STD C/F/A-AU	20	60	40	135	6.9	64	26	1169	3.97	39	17	7	34	50	17	15	22	59	.48	.15	38	59	.88	174	.08	40	1.73	.06	.10	11	49	

NORTHERN DYNASTY FILE # 65-2570

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SAMPLE#	No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Pg	Ba	Ti	S	Al	K ₂	T	H	Au**
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	1	1	PPH	PPH	1	PPH	1	1	1	1	1	PPH	PPH
CL 254 1+504-A	1	3	4	13	.1	2	1	27	.47	2	5	ND	2	4	1	2	2	11	.05	.02	4	10	.05	13	.05	2	.36	.01	.01	1	1
CL 254 1+404-B	1	2	4	10	.3	2	1	45	.69	2	5	ND	3	5	1	2	2	18	.04	.02	4	9	.04	7	.06	2	.31	.01	.04	1	1
CL 254 1+304-B	1	1	5	14	.3	1	1	23	.32	2	5	ND	6	5	1	3	2	10	.05	.01	7	7	.04	7	.07	2	.26	.01	.03	1	1
CL 254 1+204-B	1	2	5	17	.1	5	1	49	.80	2	5	ND	2	4	1	2	2	18	.08	.03	5	15	.14	13	.08	3	.72	.01	.02	1	1
CL 254 1+104-B	1	1	10	15	.1	2	1	26	.38	4	5	ND	4	4	1	2	2	12	.05	.01	4	8	.04	9	.07	2	.39	.01	.01	1	1
CL 254 1+004-B	1	5	12	34	.1	7	2	117	3.61	2	5	ND	17	8	1	2	2	75	.09	.02	17	34	.20	23	.17	4	.83	.01	.04	1	1
CL 254 0+904-B	1	4	8	45	.1	9	2	132	2.20	2	5	ND	8	7	1	2	2	51	.08	.04	7	20	.32	21	.22	12	.84	.01	.05	1	1
CL 254 0+804-B	1	4	3	28	.1	7	1	73	1.14	5	5	ND	5	4	1	2	2	28	.07	.03	7	17	.13	17	.14	3	.50	.01	.03	1	1
CL 254 0+704-B	1	2	7	19	.1	4	1	48	.70	2	5	ND	3	5	1	2	2	24	.07	.01	3	11	.11	12	.17	2	.34	.01	.01	1	1
CL 254 0+604-B	1	8	9	37	.1	4	2	123	1.45	3	5	ND	4	4	1	2	2	50	.09	.02	4	8	.24	31	.19	2	.74	.01	.04	1	2
CL 254 0+504-B	1	8	12	37	.2	3	2	70	2.38	2	5	ND	5	4	1	2	2	116	.07	.02	2	8	.15	32	.22	2	.83	.01	.05	1	1
CL 254 0+404-B	1	4	8	15	.1	5	1	45	1.69	2	5	ND	3	5	1	2	2	46	.06	.03	2	14	.10	10	.14	2	.50	.01	.01	1	1
CL 254 0+304-B	1	5	8	16	.1	5	1	53	1.84	4	5	ND	5	4	1	2	2	51	.05	.04	3	15	.11	8	.17	3	.44	.01	.01	1	1
CL 254 0+204-B	1	4	8	20	.1	4	1	41	1.25	2	5	ND	4	4	1	2	5	25	.07	.02	5	13	.14	15	.11	3	.70	.01	.03	2	1
CL 254 0+104-B	1	35	24	70	.1	14	2	62	.70	4	5	ND	1	43	1	2	2	9	.23	.09	16	7	.05	196	.03	3	.67	.01	.04	1	1
CL 254 0+004-B	1	4	12	37	.2	10	2	99	1.21	2	5	ND	4	7	1	3	2	30	.08	.01	4	22	.27	18	.14	2	.74	.01	.05	1	1
CL 254 0+105-B	1	9	7	25	.1	14	3	90	1.60	13	5	ND	6	4	1	2	4	32	.10	.03	8	34	.25	19	.11	4	1.44	.01	.03	1	1
CL 254 0+205-B	1	5	8	19	.1	8	2	62	.93	3	5	ND	2	7	1	2	2	21	.08	.03	7	15	.18	17	.07	3	.70	.01	.02	1	2
CL 254 0+305-B	1	17	17	30	.1	13	3	98	3.59	13	5	ND	9	4	1	2	4	57	.07	.04	12	42	.28	24	.15	4	2.22	.01	.03	1	3
CL 254 0+405-A	1	15	21	55	.5	11	2	34	.62	2	5	ND	1	4	1	2	2	11	.10	.06	3	9	.10	48	.01	3	.54	.01	.03	1	1
CL 254 0+505-B	1	4	4	14	.3	7	1	54	.64	4	5	ND	5	5	1	3	2	14	.07	.02	4	12	.14	11	.07	2	.57	.01	.02	1	1
CL 254 0+605-B	1	7	11	25	.1	11	2	103	1.09	3	5	ND	4	8	1	3	2	29	.08	.01	7	21	.30	19	.13	4	1.02	.01	.03	1	1
CL 254 0+705-B	1	4	5	15	.1	8	1	50	.55	2	5	ND	3	5	1	2	2	15	.05	.01	5	16	.15	7	.09	2	.45	.01	.01	1	1
CL 254 0+805-B	1	4	10	27	.1	18	2	97	1.18	3	5	ND	5	5	1	2	2	28	.07	.01	4	33	.34	13	.14	2	.83	.01	.03	1	1
CL 254 0+905-B	1	3	7	12	.1	3	1	42	1.39	2	5	ND	3	4	1	2	2	27	.06	.03	3	13	.04	8	.08	3	1.14	.01	.01	1	1
CL 254 1+05-B	1	3	4	11	.1	3	1	17	.97	2	5	ND	3	4	1	2	2	23	.04	.01	2	11	.03	8	.08	2	.69	.01	.01	1	1
CL 254 1+105-B	1	8	9	25	.1	10	2	80	2.15	2	5	ND	4	4	1	2	2	44	.06	.02	4	18	.20	15	.15	8	.84	.01	.01	1	2
CL 254 1+205-B	1	7	15	17	.1	7	1	45	2.63	3	5	ND	4	4	1	2	2	97	.04	.03	4	21	.13	15	.13	4	1.13	.01	.01	1	2
CL 254 1+305-B	1	11	20	40	.3	4	2	44	.83	3	5	ND	1	21	1	3	2	10	.11	.09	12	10	.10	71	.03	3	.83	.01	.04	1	1
CL 254 1+405-B	1	2	4	13	.2	3	1	34	.35	2	5	ND	2	5	1	2	2	11	.04	.01	5	8	.08	8	.09	2	.28	.01	.01	1	1
CL 254 1+505-A	1	29	10	44	.3	14	4	107	1.53	2	5	ND	7	54	1	2	2	5	1.27	.27	117	14	.07	135	.01	3	1.47	.02	.01	1	1
CL 254 1+605-A P	27	28	15	117	1.1	13	73	53472	6.13	132	10	ND	20	49	2	2	2	54	2.26	.27	80	14	.12	1047	.02	2	1.48	.02	.02	1	1
CL 254 1+705-A P	1	33	3	27	.3	14	5	1511	.97	4	5	ND	5	41	1	2	2	11	3.20	.17	41	15	.10	98	.01	3	.80	.01	.01	1	2
CL 254 1+805-A P	1	20	4	46	.3	14	5	1556	1.20	24	5	ND	3	33	1	2	2	11	3.21	.20	17	7	.10	60	.01	4	.43	.01	.01	1	1
CL 254 2+005-A P	1	17	10	57	.1	13	5	1675	1.87	33	5	ND	2	35	1	2	2	12	3.30	.13	25	7	.10	67	.01	3	.48	.02	.01	1	1
CL 254 2+205-A P	1	27	5	39	.4	4	1	317	.31	2	5	ND	2	38	1	2	2	7	4.23	.12	5	4	.07	78	.01	2	.41	.01	.01	1	1
519 C/F/A-BU	21	61	38	137	7.1	68	28	1201	3.97	38	18	8	37	53	17	15	21	41	.44	.15	40	60	.08	181	.08	38	1.72	.04	.11	11	52

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NORTHERN DYNASTY FILL H

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SAMPLE	No PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Hg PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Th PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Hq %	Ba PPH	Li %	B PPH	Al %	Na %	K %	N PPH	AN PPH
CL 25W 2+305-B	1	29	6	43	.4	5	9	1874	.38	2	5	ND	3	44	1	2	2	8	5.90	.14	14	4	.05	85	.01	10	.46	.01	.02	1	1
CL 25W 2+405-B	1	11	16	34	.1	14	9	96	2.08	4	5	ND	3	3	1	2	2	168	.14	.01	5	12	.30	21	.20	2	1.08	.01	.01	1	2
CL 25W 2+505-B	1	12	17	26	.1	10	2	92	2.37	5	5	ND	6	7	1	2	2	49	.09	.02	9	27	.25	25	.15	3	2.03	.01	.03	1	2
CL 25W 2+605-B	1	15	17	34	.2	12	2	98	2.60	5	5	ND	6	6	1	2	2	49	.07	.03	7	20	.24	25	.18	3	1.28	.01	.03	1	1
CL 25W 2+705-B	1	19	12	23	.1	11	3	91	2.05	2	5	ND	7	7	1	2	2	41	.13	.05	12	21	.21	21	.11	2	1.84	.01	.03	1	1
CL 25W 2+805-B	1	7	10	18	.2	6	1	72	1.08	3	5	ND	5	6	1	3	2	25	.11	.03	6	2	.16	11	.10	2	.70	.01	.03	1	2
CL 25W 2+905-B	1	7	14	26	.1	8	1	86	2.41	3	5	ND	4	6	1	2	2	51	.08	.05	6	22	.18	17	.15	4	.79	.01	.04	1	1
CL 25W 3+005-B	1	9	16	28	.2	8	2	102	2.34	3	5	ND	6	6	1	2	2	48	.08	.04	5	18	.21	19	.15	2	1.00	.01	.03	1	1
CL 23W 1+95W-B	3	42	16	273	.1	59	16	95	3.58	13	5	ND	12	6	1	2	3	70	.06	.02	10	129	.38	61	.15	2	3.40	.01	.03	1	6
CL 23W 1+90W-A	1	12	19	85	.2	10	2	45	.33	2	5	ND	1	26	1	2	3	6	.21	.12	3	9	.06	74	.01	6	.38	.01	.03	1	2
CL 23W 1+80W-B	2	26	14	34	.1	25	6	112	2.97	23	5	ND	2	4	1	2	3	124	.08	.02	5	136	.36	29	.11	2	1.79	.01	.03	1	4
CL 23W 1+70W-B	1	3	6	14	.1	5	1	48	.68	3	5	ND	3	5	1	2	3	15	.10	.03	6	12	.11	9	.06	2	.36	.01	.02	1	2
CL 23W 1+60W-B	1	3	5	15	.1	7	1	50	1.03	2	5	ND	3	6	1	2	2	20	.08	.02	6	17	.15	15	.06	2	.67	.01	.02	1	1
CL 23W 1+50W-B	1	4	8	15	.1	8	2	65	1.04	2	5	ND	6	7	1	2	2	19	.13	.04	7	15	.15	15	.06	2	.73	.01	.03	1	1
CL 23W 1+40W-B	1	5	9	16	.1	6	1	52	.99	2	5	ND	5	6	1	2	2	20	.11	.04	8	11	.13	15	.07	2	.75	.01	.02	1	2
CL 23W 1+30W-B	1	5	13	18	.1	4	1	45	1.99	2	5	ND	3	4	1	2	2	49	.06	.02	4	15	.10	9	.17	2	.71	.01	.02	1	2
CL 23W 1+20W-A	1	10	18	47	.1	5	1	54	.37	2	5	ND	1	20	1	2	3	7	.31	.06	6	3	.05	81	.02	4	.26	.01	.04	1	1
CL 23W 1+10W-A	1	8	12	126	.1	4	1	45	.16	2	5	ND	1	29	1	2	2	3	.30	.09	2	3	.06	66	.01	6	.17	.02	.05	1	1
CL 23W 0+90W-B	1	3	8	16	.1	4	1	63	.65	2	5	ND	4	7	1	2	2	20	.12	.01	7	10	.18	9	.11	3	.41	.01	.02	1	1
CL 23W 0+80W-B	1	4	10	26	.1	6	1	95	.95	2	5	ND	5	7	1	2	2	22	.18	.01	5	10	.24	13	.13	2	.56	.01	.02	1	2
CL 23W 0+70W-A	1	7	2	45	.1	1	1	16	.18	2	5	ND	2	25	1	2	2	2	1.58	.06	7	1	.06	21	.01	4	.14	.01	.01	1	2
CL 23W 0+70W-B	1	22	7	51	.1	5	1	20	.26	2	5	ND	1	24	1	3	2	4	.50	.05	8	6	.04	37	.02	2	.27	.02	.01	1	1
CL 23W 0+60W-B	1	7	16	41	.1	5	1	77	.85	3	5	ND	5	6	1	2	2	39	.12	.01	5	9	.12	20	.15	2	.51	.01	.02	1	1
CL 23W 0+50W-B	1	11	37	46	.1	3	1	95	1.93	2	5	ND	3	3	1	2	2	41	.05	.01	4	4	.06	32	.11	2	.51	.01	.03	1	1
CL 23W 0+40W-B	6	65	30	65	.1	13	3	213	11.71	5	5	ND	4	3	1	2	2	157	.05	.04	15	27	.28	27	.11	2	1.70	.01	.04	1	1
CL 23W 0+30W-B	1	26	11	68	.1	53	14	82	4.31	20	5	ND	4	12	1	2	2	87	.14	.02	10	162	.90	55	.23	4	3.73	.03	.02	1	2
CL 23W 0+20W-B	2	15	18	57	.1	16	4	204	2.38	4	5	ND	5	7	1	2	4	53	.11	.02	6	29	.57	35	.27	4	1.39	.01	.06	1	1
CL 23W 0+10W-B	2	10	21	109	.1	17	4	296	2.90	4	5	ND	12	7	1	3	2	50	.10	.12	14	37	.52	41	.21	3	1.69	.01	.11	1	1
CL 23W 0+00W-B	1	33	26	93	.1	20	5	276	6.20	6	5	ND	11	7	1	2	2	44	.12	.20	12	33	.66	35	.25	4	2.96	.01	.10	1	4
CL 15W 1+10W-A P	1	25	6	60	.2	11	2	53	.73	2	5	ND	4	32	1	2	2	5	.64	.19	45	14	.07	60	.02	4	1.64	.01	.02	1	2
CL 15W 1+00W-B P	1	3	6	30	.1	4	1	83	.01	2	5	ND	4	14	1	2	2	23	.14	.02	8	13	.26	23	.14	2	.44	.01	.09	1	2
CL 15W 0+90W-A P	1	12	2	31	.1	4	1	35	.29	2	5	ND	1	14	1	2	2	5	.33	.09	13	11	.06	38	.02	2	.63	.01	.01	1	1
CL 15W 0+80W-A P	1	11	7	52	.1	6	1	18	.39	2	5	ND	2	26	1	2	2	2	.51	.13	25	2	.05	56	.01	2	.61	.01	.01	1	2
CL 15W 0+70W-B P	1	36	8	47	.1	14	2	42	1.63	3	5	ND	3	30	1	2	2	6	1.01	.18	41	21	.16	75	.02	7	1.18	.01	.03	1	2
CL 15W 0+60W-A	1	4	14	21	.1	10	1	59	1.05	2	5	ND	2	3	1	2	2	55	.07	.01	2	36	.28	19	.22	2	.70	.02	.03	1	2
CL 15W 0+50W-A P	1	18	6	44	.1	9	1	21	.32	2	5	ND	1	25	1	2	2	4	.71	.07	4	11	.09	43	.01	2	.43	.01	.01	1	1
STD C/FA-BU	21	59	40	137	7.0	68	27	1197	3.97	41	17	8	35	51	17	15	22	60	.48	.15	37	58	.88	174	.08	39	1.72	.06	.10	11	49

NORTHERN DYNASTY FILE # 65-2370

SAMPLE	No PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Ni PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Tl PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	K %	S PPH	Auff PPH	
CL 154 0+400-B	1	20	67	226	.3	14	2	81	8.14	241	5	ND	5	8	1	14	2	157	.25	.06	12	50	.37	29	.27	2	1.27	.01	.03	1	2
CL 154 0+300-A	1	12	6	65	.1	12	1	17	.35	7	5	ND	1	50	1	2	2	5	3.54	.08	11	3	.28	57	.01	5	.28	.01	.02	1	2
CL 154 0+200-A P	1	10	6	28	.2	15	1	19	.54	6	5	ND	3	59	1	2	2	4	4.43	.12	12	9	.30	55	.01	7	.42	.01	.03	1	1
CL 154 0+100-A P	1	6	3	38	.3	6	1	19	.29	7	5	ND	1	31	1	2	2	2	1.30	.09	2	4	.12	54	.01	2	.30	.01	.01	1	1
CL 154 0+000-A P	1	120	12	37	.3	233	33	1215	1.54	202	5	ND	9	73	1	3	2	19	7.80	.19	87	82	.37	74	.02	10	2.00	.01	.01	1	2
CL 154 0+100-A P	1	11	9	35	.1	21	4	51	.52	18	5	ND	1	11	1	2	2	7	.19	.04	3	15	.07	34	.02	2	.42	.01	.03	1	1
CL 154 0+200-B	1	15	30	96	.1	78	17	1327	3.95	531	5	ND	3	10	1	2	2	81	.29	.03	11	159	.88	67	.29	3	1.95	.01	.08	1	1
CL 154 0+300-B	1	15	12	65	.1	141	8	269	4.21	107	5	ND	1	4	1	5	2	132	.00	.02	9	472	1.73	34	.30	2	2.85	.01	.08	1	2
CL 154 0+400-A	1	114	20	71	.2	146	15	212	2.94	75	5	ND	2	15	1	2	4	46	.46	.13	21	359	.70	92	.09	3	2.48	.01	.04	1	1
CL 154 0+500-A	1	95	15	42	.2	62	5	124	1.05	19	5	ND	1	15	1	2	2	23	.42	.08	19	144	.32	97	.04	2	1.34	.01	.03	1	3
CL 154 0+600-B	1	9	12	42	.1	23	5	231	1.67	15	5	ND	3	14	1	2	2	40	.30	.02	7	45	.53	29	.18	2	1.10	.04	.03	2	1
CL 154 0+700-B	2	24	22	134	.1	34	8	510	4.94	13	5	ND	8	8	1	2	2	79	.15	.18	16	61	.84	63	.28	3	2.79	.01	.11	1	1
CL 154 0+800-B	1	15	15	85	.1	14	3	219	3.20	19	5	ND	10	6	1	2	3	65	.11	.10	8	25	.49	47	.19	2	1.76	.01	.04	1	1
CL 154 0+900-B	3	44	19	74	.2	50	5	140	4.46	79	5	ND	3	3	1	2	3	127	.02	.05	8	126	.73	34	.05	2	1.92	.01	.03	1	6
CL 154 1+000-B	1	26	25	84	.1	35	5	253	3.38	15	5	ND	8	7	1	2	2	75	.10	.05	13	35	.62	32	.33	2	1.84	.01	.04	1	1
CL 154 1+100-B	1	21	16	57	.1	25	4	203	3.93	27	5	ND	5	7	1	2	2	87	.10	.03	11	32	.57	27	.31	2	1.77	.01	.04	1	2
CL 154 1+200-A	1	46	19	30	.1	27	2	48	.79	2	5	ND	1	9	1	2	3	12	.87	.07	6	25	.88	57	.01	2	.62	.01	.02	1	2
CL 154 1+300-B	1	8	12	40	.1	22	3	102	1.30	3	5	ND	5	15	1	2	2	39	.11	.02	6	58	.35	30	.20	2	.79	.01	.08	1	2
CL 154 1+400-B	1	5	9	13	.1	5	1	37	.57	4	5	ND	3	5	1	2	2	20	.85	.01	5	11	.89	13	.13	2	.47	.01	.01	1	1
CL 154 1+500-B	3	7	14	23	.1	9	1	74	1.85	19	5	ND	4	4	1	3	2	71	.85	.01	3	18	.18	13	.23	2	.69	.01	.02	1	1
CL 154 1+600-A	1	88	13	37	.3	64	6	34	1.81	4	5	ND	11	26	1	2	2	12	.20	.10	144	18	.88	107	.05	2	2.58	.01	.03	1	1
CL 154 1+700-A	1	34	14	55	.4	33	5	105	1.32	2	5	ND	3	43	1	2	2	6	.76	.22	61	15	.88	141	.01	4	1.27	.01	.02	1	2
CL 154 1+800-B	3	39	28	56	.1	25	7	188	2.67	18	5	ND	7	15	1	2	2	63	.18	.06	23	44	.26	50	.17	2	1.28	.01	.04	1	1
CL 154 1+900-B	1	8	10	39	.1	8	2	76	.97	2	5	ND	1	9	1	2	2	24	.10	.04	9	18	.18	29	.09	2	.86	.01	.04	1	1
CL 154 2+000-B	1	18	22	68	.1	28	11	588	2.95	7	5	ND	9	18	1	2	2	47	.48	.04	26	35	.59	97	.15	4	2.39	.01	.04	1	1
CL 154 2+100-B	1	4	5	12	.1	3	1	38	.40	2	5	ND	2	6	1	2	2	8	.10	.02	8	8	.87	13	.04	2	.29	.01	.01	1	10
CL 154 2+200-A	1	13	3	37	.1	7	1	32	1.84	2	5	ND	4	25	1	2	2	5	.54	.10	41	12	.87	81	.03	2	.77	.01	.01	1	1
CL 154 2+300-A	1	34	7	42	.1	19	6	216	1.18	2	5	ND	7	64	1	2	2	5	5.31	.18	79	12	.25	196	.02	5	1.14	.01	.01	1	1
CL 154 2+400-A	1	29	2	55	.1	11	7	1380	.64	2	5	ND	4	67	1	2	2	7	7.70	.12	20	8	.31	148	.01	9	.74	.01	.01	1	2
CL 154 2+500-A	1	25	6	47	.1	14	4	1002	.42	2	5	ND	3	60	1	2	2	7	7.72	.10	16	7	.32	118	.01	11	.66	.01	.01	1	1
CL 154 2+600-A	1	18	2	41	.1	9	2	810	.46	3	5	ND	2	61	1	2	2	8	7.37	.11	12	8	.31	127	.01	10	.59	.01	.01	2	1
CL 154 2+700-A	5	23	3	65	.1	21	9	7527	1.22	13	5	ND	5	53	1	2	2	17	6.61	.17	42	13	.29	234	.01	10	.91	.01	.01	1	1
CL 154 2+800-A	8	22	6	104	.1	24	15	12848	2.99	15	5	ND	7	52	1	2	2	17	4.75	.20	65	7	.24	326	.01	13	1.14	.01	.04	1	1
CL 154 2+900-A	3	42	2	89	.3	38	14	2781	4.23	19	5	ND	18	44	1	2	2	30	3.58	.24	167	21	.19	179	.02	8	2.55	.01	.02	1	2
CL 154 3+000-A	6	24	6	61	.3	16	14	8452	2.98	14	5	ND	9	48	1	2	2	26	4.30	.18	98	11	.22	226	.01	15	1.26	.01	.02	1	1
STD C/F/A-ND	21	59	39	137	7.0	69	27	1284	3.97	39	16	7	34	51	17	16	21	60	.48	.15	38	54	.88	176	.08	39	1.72	.04	.10	12	48

NORTHERN DYNASTY FILL W HG-2370

PAGE 20

SAMPLE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Ta	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	M	Ag**	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	1	1	PPM	PPM	1	PPM	1	PPM	1	1	1	1	PPM	PPM
IF BOE A25	1	19	6	28	.1	14	15	1411	1.84	484	5	ND	5	22	1	2	2	18	1.38	.13	38	18	.17	70	.02	6	1.10	.01	.03	1	4	
IF BOE A50	2	34	11	72	.2	31	32	2678	4.55	2140	5	ND	8	26	1	2	2	42	1.78	.21	63	57	.30	129	.04	7	2.15	.01	.04	1	1	
IF BOE A75	2	35	16	67	.1	30	29	2044	4.55	2028	5	ND	8	50	1	2	2	40	2.96	.24	68	59	.34	138	.04	10	2.19	.01	.04	1	1	
IF BOE A100	1	38	15	54	.2	38	23	396	4.97	1201	5	ND	12	22	1	2	2	49	2.10	.21	72	101	.50	84	.06	8	2.51	.01	.05	1	6	
IF BOE B120	1	8	2	19	.1	7	2	164	.90	40	5	ND	8	14	1	2	2	14	1.73	.09	26	16	.85	21	.06	5	.44	.01	.04	1	1	
TCS-S-101	5	122	25	45	.3	206	15	349	12.66	150	5	ND	3	2	1	2	2	180	.04	.06	8	150	.74	20	.11	2	1.77	.01	.10	1	3	
TCS-S-102	1	70	21	128	.2	384	33	457	7.32	3012	5	ND	3	5	1	2	3	117	.14	.02	15	670	2.28	47	.23	7	4.02	.01	.04	1	15	
TCS-S-103	2	32	15	77	.1	28	6	689	6.94	15	5	ND	2	3	1	2	2	175	.12	.05	5	112	.15	27	.12	5	1.68	.01	.05	2	23	
TCS-S-104	6	54	20	32	.1	89	6	116	7.99	342	5	ND	2	2	1	2	2	106	.09	.04	6	103	.10	18	.05	4	1.30	.01	.03	2	60	
TCS-S-100	1	28	9	27	.1	9	3	87	1.39	5	5	ND	1	3	1	2	2	67	.05	.03	2	21	.19	23	.06	3	.55	.01	.02	2	10	
YCS-S-100A	1	3	5	29	.1	3	1	85	.38	2	5	ND	1	4	1	2	2	8	.21	.04	2	9	.08	25	.02	5	.20	.01	.01	1	8	
YCS-S-101	1	79	15	74	.1	97	17	796	7.24	24	5	ND	2	5	1	2	2	109	.29	.05	10	205	1.33	58	.25	7	3.54	.02	.17	5	10	
YCS-S-102	1	14	3	16	.1	5	2	126	.90	4	5	ND	8	13	1	2	2	14	1.16	.07	19	13	.45	14	.07	3	.30	.02	.05	1	2	
YCS-S-103	1	14	22	21	.1	5	1	54	8.63	218	5	ND	5	5	1	2	2	106	.05	.03	6	30	.12	13	.19	6	1.32	.01	.03	1	3	
STB C/FB-AU	21	59	11	137	7.0	70	27	1190	3.98	40	17	7	35	51	17	15	21	59	.46	.15	38	60	.88	175	.08	39	1.72	.05	.10	12	51	

NORTHERN DYNASTY FILL # 80-2570

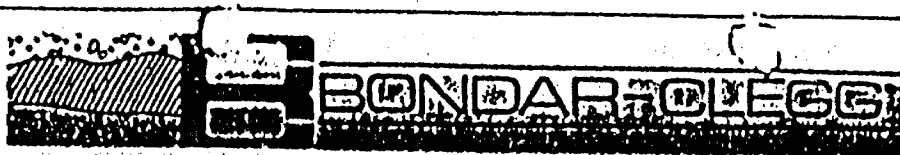
FIELD 22

SAMPLE#	Pb	Cu	Pd	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Mg	K	V	Au+1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
CP 0-49M-R	3	74	10	50	.2	11	15	366	3.94	62	7	ND	7	29	1	2	2	79	1.13	.05	19	1	.88	181	.16	8	2.41	.08	.65	1	4
ECS-R-101	2	154	8	11	.8	61	29	71	6.72	10	5	ND	2	3	1	2	2	8	.02	.01	2	72	.07	10	.01	3	.10	.01	.03	3	22
BCS-R-101	1	22	2	4	.3	108	12	46	.47	170	5	ND	2	9	1	5	2	6	.45	.01	5	76	.05	16	.01	2	.68	.04	.05	1	11
BCS-R-102	1	27	6	10	.2	62	7	924	.88	21	5	ND	2	19	1	2	2	14	1.34	.01	6	56	.22	35	.02	4	1.56	.06	.04	1	15
BCS-R-103	7	157	40	150	.4	49	5	343	12.87	6	5	ND	7	9	1	3	2	23	.17	.02	24	48	.64	39	.03	12	1.50	.03	.34	1	2
TCS-R-101	1	50	2	6	2.1	15	3	139	4.64	19202	5	3	1	1	1	16	3	2	.02	.05	2	7	.06	6	.01	2	.06	.01	.02	1	1500
TCS-R-102	4	92	15	16	2.9	49	7	310	14.27	19333	5	3	3	2	1	58	2	4	.03	.02	7	6	.15	12	.01	2	.16	.01	.03	1	1880
TCS-R-103	1	70	10	10	1.2	34	8	386	9.48	24891	5	ND	2	1	1	23	2	4	.03	.01	2	9	.12	9	.01	3	.12	.01	.02	1	1140
TCS-R-104	1	39	7	12	.8	25	5	434	3.69	1346	6	ND	2	2	1	4	2	9	.04	.01	2	34	.13	34	.01	3	.30	.01	.03	1	150
TCS-R-105	1	33	28	134	.2	37	9	179	1.65	220	5	ND	2	6	1	4	2	22	.78	.03	9	46	.78	10	.03	5	.94	.02	.02	1	14
TCS-R-106	1	525	4	39	.3	46	26	308	2.26	105	5	ND	2	6	1	2	3	52	.97	.05	5	24	.59	9	.03	3	.87	.09	.03	1	75
TCS-R-107	2	153	10	24	.2	44	15	373	5.71	49	5	ND	9	79	1	2	2	119	1.75	.05	32	41	1.00	160	.10	4	3.70	.15	.48	1	11
TCS-R-100	1	65	3	15	.2	14	6	253	3.40	7	3	ND	2	2	1	2	2	63	.19	.08	2	23	.55	6	.16	58	1.06	.01	.03	52	1
STO C/FA-AU	20	59	40	132	7.0	71	28	1187	3.99	40	16	8	37	54	18	16	21	63	.48	.15	40	60	.88	177	.08	39	1.73	.66	.11	12	50

Bondar Clay
Au (total)
~~11~~
ppb oz/t

2100 } .082
2070 } .061
1440 } .042
240 } .009
→ 6.057 oz/t
over 1.9m

At upper limit 20,000 ppm.



REPORT: 425-3299

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Acme Au OPT	
P4 EG5-R-2	150 / 1.7m	0.094	0.02	.057 .086	McGRUOR LAKE
P4 EG5-R-3		0.205	0.03	.177	
P4 TCS-R-101		0.082	0.02	.044	
P4 TCS-R-102	0.057 / 1.9m	0.061	0.08	.055	CASOR LAKE
P4 TCS-R-103		0.042	0.06	.042 .033	
P4 TCS-R-104		0.007	<0.02	.004	

Carroll

3. McGruer Lake Property

List of Chemical Analyses

GEOCHEMICAL ICP ANALYSIS

.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, CA, P, CR, MO, BA, TI, B, AL, NA, K, V, BI, ZN, CE, SM, Y, ND AND TA. NO DETECTION LIMIT BY ICP IS 3 PPM.
 * SAMPLE TYPE: PI-3 SOILS 9/-7 ROCKS (SOILS -80 MESH) MINE ANALYSIS BY FAMA FROM 10 GRAM SAMPLE.

DATE RECEIVED: *July 31/85* DATE REPORT MAILED: *July 31/85* ASSAYER: *V. Saundry* DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

NORTHERN DYNASTY FILE # 85-1586

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SAMPLE	No	Ca	Pb	Zn	Mg	Ki	Co	Mn	Fe	As	U	Am	Th	Sr	Cd	Sb	Bi	V	Co	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	U	Am
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
EGS-S-1	2	22	23	16	.5	1	6	1302	16.31	22	5	ND	2	1	1	5	2	70	.04	.05	5	15	.04	6	.03	2	.35	.01	.01	1	13
EGS-S-2	2	37	13	19	.9	3	7	1298	17.20	10	5	ND	3	1	1	2	2	93	.04	.09	5	30	.09	9	.03	9	.60	.01	.02	1	20
EGS-S-3	2	47	23	55	.2	983	56	1503	14.09	207	5	ND	1	7	1	51	2	139	.16	.09	9	331	.50	19	.04	2	1.10	.01	.03	1	4
WGS-S-1	1	17	13	13	.1	2	2	70	1.93	16	5	ND	3	4	1	2	2	40	.05	.02	0	14	.04	34	.05	2	.89	.01	.02	1	3
WGS-S-2	1	15	16	60	.2	667	130	3652	12.09	5630	5	ND	1	13	1	5	2	23	.62	.13	2	107	1.01	111	.02	4	.37	.01	.04	7	625
WGS-S-3	2	44	20	59	.1	751	87	5260	9.70	730	5	ND	1	10	1	53	2	42	.30	.13	3	336	.43	83	.01	2	.86	.01	.03	1	12
WGS-S-4	1	81	19	27	.5	230	50	1901	7.16	1422	5	ND	1	14	1	49	2	53	.62	.09	23	145	.13	93	.04	0	.93	.01	.03	1	4
11+00E 1+50M C	2	21	2	16	.1	7	4	104	.90	9	5	ND	1	2	1	2	3	44	.15	.02	2	12	.10	17	.09	2	.21	.02	.01	1	1
11+00E 1+25M B	2	15	15	34	.1	14	6	81	2.94	20	5	ND	3	5	1	2	5	62	.10	.01	7	37	.34	17	.12	2	1.15	.01	.02	1	1
11+00E 1+00M B	3	29	9	29	.1	13	6	144	3.26	32	5	ND	3	7	1	2	5	63	.14	.03	0	30	.51	10	.11	9	1.21	.01	.04	1	1
11+00E 0+90M B	2	20	9	0	.5	14	7	191	1.54	2	6	ND	1	27	1	2	4	10	1.52	.20	43	20	.00	72	.01	2	1.25	.01	.02	1	1
11+00E 0+90M B	2	7	10	17	.1	0	4	170	.96	2	5	ND	1	0	1	2	4	23	.16	.02	0	15	.19	29	.04	2	.62	.01	.02	1	1
11+00E 0+70M B	2	37	16	33	.1	20	9	229	2.03	3	5	ND	1	13	1	2	5	33	.21	.04	27	30	.30	73	.04	2	2.00	.01	.03	1	1
11+00E 0+60M B	2	5	7	23	.2	10	4	99	1.16	10	5	ND	3	6	1	2	4	31	.12	.01	6	23	.34	20	.14	3	.92	.01	.03	1	1
11+00E 0+50M B	3	63	19	15	.1	1	4	113	5.67	2065	5	ND	1	5	1	3	2	34	.04	.05	6	0	.04	66	.03	2	.27	.01	.03	2	975
11+00E 0+40M B	2	7	6	11	.1	1	2	45	2.00	85	5	ND	1	1	1	2	2	17	.07	.03	7	12	.04	24	.03	3	.30	.01	.02	1	69
11+00E 0+30M B	3	9	5	24	.1	15	5	104	3.13	41	5	ND	4	7	1	2	6	122	.13	.02	5	46	.40	20	.20	2	1.27	.02	.03	1	0
11+00E 0+20M B	2	9	7	19	.1	6	4	94	2.10	75	5	ND	5	6	1	2	5	45	.11	.02	10	22	.27	17	.11	1	.94	.01	.03	1	1
11+00E 0+10M B	2	9	7	13	.1	6	4	123	.94	2	5	ND	2	6	1	2	3	37	.17	.01	6	25	.22	21	.11	2	.70	.02	.02	1	1
11+00E 0+00M B	2	25	10	21	.1	217	11	147	2.00	176	5	ND	2	6	1	2	2	70	.12	.02	5	319	.74	25	.13	4	1.09	.01	.03	1	10
11+00E 0+10S B	2	0	7	34	.1	13	6	223	2.66	21	5	ND	4	7	1	2	7	77	.13	.02	6	29	.43	29	.26	4	1.29	.01	.11	5	1
11+00E 0+20S B	2	0	6	17	.1	5	3	59	1.10	17	5	ND	4	7	1	2	4	20	.10	.01	9	16	.10	35	.10	2	.95	.01	.03	1	1
11+00E 0+30S B	2	0	11	16	.1	10	3	44	1.06	3	5	ND	3	7	1	2	3	24	.11	.03	7	16	.10	32	.08	3	.67	.01	.03	1	3
11+00E 0+40S B	1	0	9	11	.1	3	2	51	.73	2	5	ND	3	6	1	2	2	20	.12	.01	0	14	.15	16	.09	2	.63	.01	.02	1	1
12+00E 2+00M B	1	9	6	10	.1	2	2	72	.76	42	5	ND	2	0	1	2	2	25	.22	.01	9	20	.21	27	.06	2	.72	.01	.02	1	2
12+00E 1+75M B	1	7	0	23	.1	10	4	83	1.09	10	5	ND	3	7	1	2	2	22	.17	.03	11	20	.26	10	.00	4	.04	.01	.02	1	0
12+00E 1+50M B	2	15	9	20	.1	14	6	133	1.64	3	5	ND	4	11	1	2	2	32	.24	.03	9	25	.47	40	.10	7	1.30	.01	.04	1	1
12+00E 1+25M B	2	82	15	39	.1	27	12	251	2.91	122	5	ND	11	10	1	2	4	54	.20	.04	17	31	.35	34	.17	3	1.56	.01	.04	1	3
12+00E 1+00M B	2	24	6	32	.1	31	9	141	2.73	133	5	ND	4	0	1	2	3	90	.19	.01	7	79	.70	26	.17	2	1.07	.02	.03	1	1
12+00E 0+90M B	3	31	7	60	.1	23	11	197	5.19	120	5	ND	4	5	1	2	3	160	.15	.04	7	51	.56	34	.19	2	2.35	.01	.04	1	1
12+00E 0+80M B	2	14	13	31	.1	16	7	130	2.13	81	5	ND	4	7	1	2	2	59	.16	.02	6	31	.44	27	.16	2	1.22	.01	.04	1	3
STD C/TA AU	19	50	40	133	7.0	72	20	1136	4.01	39	16	0	39	50	16	15	21	63	.40	.16	30	61	.80	185	.00	39	1.72	.07	.12	12	50

NORTHERN DYNASTY FILE # 85-1586

SAMPLE	Na	Cu	Pb	Zn	Ag	Si	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Li	B	Al	Ko	I	Y	Other
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
12+00E 0+70H B	1	8	7	28	.1	8	3	113	1.16	10	5	ND	3	6	1	2	2	41	.19	.02	7	23	.23	30	.15	2	.79	.01	.03	1	5
12+00E 0+60H B	2	25	18	29	.1	32	18	183	3.17	47	5	ND	3	12	1	2	2	85	.26	.04	11	70	.27	47	.10	3	2.84	.05	.03	1	4
12+00E 0+50H B	2	41	17	71	.1	32	16	234	5.21	507	5	ND	7	6	1	2	2	86	.15	.05	24	75	.48	50	.15	2	3.07	.01	.04	1	2
12+00E 0+40H B	1	16	13	25	.1	17	6	133	3.12	30	5	ND	2	4	1	2	2	104	.21	.03	6	29	.26	37	.11	2	1.61	.01	.04	1	3
12+00E 0+25H B	1	1	9	19	.1	5	2	51	.73	3	5	ND	3	5	1	2	2	23	.09	.01	7	15	.15	20	.08	3	.52	.01	.02	1	2
12+00E 0+00H B	2	27	16	27	.1	33	8	115	2.84	25	5	ND	3	5	1	2	4	56	.09	.02	8	99	.53	20	.16	2	1.45	.01	.02	1	15
13+00E 1+50H B	1	19	10	20	.1	24	7	62	1.35	7	3	ND	1	2	1	2	2	74	.65	.02	2	77	.66	15	.06	2	.91	.01	.03	1	4
13+00E 1+40H B	1	4	9	54	.1	54	15	230	3.81	4	5	ND	1	1	1	2	2	79	.06	.01	2	148	1.80	3	.03	2	1.87	.01	.01	1	3
13+00E 1+30H A	1	61	15	24	.1	26	7	114	1.57	81	6	ND	1	23	1	2	2	22	1.26	.08	23	31	.38	70	.87	2	1.14	.01	.09	1	7
13+00E 1+20H B	1	42	24	27	.1	18	11	227	4.31	2142	5	ND	1	6	1	2	2	82	.21	.02	2	37	.58	21	.11	2	1.27	.02	.02	8	1850
13+00E 1+10H A	1	21	12	14	.1	10	3	94	.58	21	5	ND	1	7	1	2	2	12	.42	.06	2	14	.16	40	.02	2	.37	.02	.01	1	5
13+00E 1+00H B	2	80	3	70	.1	51	24	214	4.76	124	5	ND	5	5	1	2	3	131	.19	.04	10	125	1.42	55	.20	4	5.04	.02	.03	1	4
13+00E 0+90H B	2	83	19	43	.1	43	19	789	4.26	6	5	ND	5	6	1	2	2	68	.34	.04	21	54	.31	57	.10	2	2.74	.02	.02	1	3
13+00E 0+80H B	1	27	10	39	.1	32	12	219	3.19	7	3	ND	1	4	1	2	2	66	.27	.01	4	43	.67	48	.18	2	1.97	.03	.03	1	2
13+00E 0+70H B	2	25	9	33	.1	21	11	319	10.53	54	5	ND	3	5	1	2	2	62	.09	.09	2	57	.22	17	.05	2	2.15	.02	.02	1	5
13+00E 0+60H B	1	49	21	29	.1	9	11	167	21.21	230	5	ND	2	2	1	4	2	95	.04	.15	11	54	.19	12	.07	3	.59	.01	.03	1	7
13+00E 0+50H B	3	23	29	21	.2	8	4	129	8.14	3019	5	ND	1	3	1	4	2	71	.05	.06	5	24	.09	37	.04	2	.52	.01	.02	29	310
13+00E 0+40H AB	3	52	16	34	.1	35	12	153	5.86	173	5	ND	4	5	1	3	2	101	.10	.04	13	49	.36	38	.14	3	1.74	.01	.05	1	4
13+00E 0+30H B	2	42	24	24	.1	47	10	119	4.11	39	3	ND	9	6	1	2	2	49	.18	.04	21	59	.27	21	.11	2	3.19	.01	.03	1	2
13+00E 0+20H ABC	1	11	8	25	.1	52	8	134	1.90	6	5	ND	1	3	1	2	2	50	.04	.02	6	119	.63	17	.05	2	1.04	.01	.02	1	24
13+00E 0+10H AC	1	28	13	16	.1	32	6	64	.93	12	5	ND	1	6	1	2	2	17	.87	.08	11	71	.31	26	.01	2	.72	.01	.03	1	35
13+00E 0+00H B	3	292	23	17	.2	74	15	95	2.91	36	8	ND	2	7	1	2	2	47	.18	.10	62	187	.24	40	.07	2	3.32	.01	.02	1	14
15+00E 1+50H B	2	9	12	21	.1	5	2	108	2.82	6	5	ND	1	3	1	2	2	79	.04	.02	2	34	.18	24	.11	2	.80	.01	.02	1	4
15+00E 1+25H B	1	14	5	11	.1	5	2	92	.56	5	5	ND	1	4	1	2	2	21	.15	.01	4	11	.12	25	.04	2	.57	.01	.02	1	3
15+00E 1+10H B	1	3	2	10	.1	4	2	76	.73	2	5	ND	1	2	1	2	2	27	.09	.01	2	7	.11	8	.03	2	.23	.01	.01	1	2
15+00E 1+00H B	2	48	3	54	.1	32	19	497	5.83	6	5	ND	2	5	1	2	3	128	.32	.04	4	64	.70	42	.19	3	2.16	.04	.04	1	2
15+00E 0+90H B	1	44	17	104	.1	164	46	399	4.85	173	5	ND	3	9	1	2	3	77	.25	.05	8	62	.43	83	.12	2	2.60	.02	.05	1	30
15+00E 0+80H B	2	54	29	67	.1	328	115	3656	10.84	542	5	ND	9	11	1	2	2	104	.38	.10	17	123	.39	85	.14	3	4.48	.01	.05	1	6
15+00E 0+70H B	1	35	8	26	.1	15	8	321	17.00	31	5	ND	2	2	1	2	2	159	.03	.12	2	23	.08	16	.14	2	.44	.01	.02	1	4
15+00E 0+60H B	2	20	19	25	.1	13	5	208	3.70	21	5	ND	1	4	1	2	2	68	.06	.05	4	48	.18	32	.05	2	1.00	.01	.03	1	3
15+00E 0+50H B	2	27	18	31	.1	31	7	192	4.30	12	5	ND	3	4	1	2	2	94	.14	.05	8	44	.28	65	.12	2	2.25	.02	.06	1	2
15+00E 0+50H B	2	25	17	44	.1	51	11	137	3.22	10	5	ND	3	9	1	2	2	107	.17	.01	3	35	.61	53	.20	6	1.84	.06	.10	1	2
15+00E 0+40H B	2	16	12	20	.2	35	5	95	2.13	4	5	ND	2	2	1	2	2	76	.03	.02	6	102	.43	24	.05	2	1.05	.01	.02	1	9
15+00E 0+30H B	3	25	6	33	.1	63	10	123	3.34	9	5	ND	1	3	1	2	2	131	.06	.02	3	278	.78	33	.14	2	2.92	.01	.01	1	5
15+00E 0+20H B	6	27	19	65	.1	101	16	270	4.67	13	5	ND	3	3	1	2	2	138	.04	.02	8	481	1.82	26	.14	2	2.53	.01	.04	1	5
15+00E 0+10H B	4	8	3	15	.1	11	3	79	1.73	3	5	ND	5	5	1	2	2	69	.08	.01	6	26	.23	19	.19	2	.78	.01	.03	1	4
STD C/FA-AU	21	59	39	134	7.0	71	26	1177	3.95	40	17	7	37	18	17	15	20	59	.46	.15	38	59	.88	184	.08	38	1.71	.06	.12	11	52

NORTHERN DYNASTY FILE # 85-15P6

PAGE 3

SAMPLE	Mo	Co	Zn	Ag	Ki	Co	Mn	Fe	As	V	Am	Ti	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	H2	I	V	As**	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
15+BOE @400X B	1	16	17	9	.1	7	2	38	.59	2	5	ND	3	5	1	2	2	16	.01	.01	10	12	.06	38	.01	2	.63	.01	.03	1	3
YES-B-1	1	51	16	41	.2	140	25	218	5.80	966	5	ND	4	10	1	2	4	76	.49	.03	15	64	.33	90	.11	4	3.34	.03	.04	1	105
YES-B-2	3	79	28	40	.1	8	9	143	14.03	2875	5	ND	2	3	1	4	2	72	.04	.16	13	29	.06	42	.01	2	.52	.01	.03	2	115
YES-B-1	1	3	5	7	.1	3	2	103	1.12	49	5	ND	1	2	1	2	3	24	.04	.02	4	15	.00	27	.03	3	.35	.01	.01	1	5
YES-B-2	2	58	12	36	.2	284	19	453	9.02	458	5	ND	1	3	1	2	2	86	.06	.09	5	242	.14	24	.05	2	.56	.01	.03	1	3
YES-B-3	1	172	17	31	.1	24	13	631	13.14	7611	5	ND	3	3	1	9	2	69	.04	.09	13	96	.09	39	.02	9	1.77	.01	.03	5	185
STD C/PA AU	19	62	40	137	7.0	67	28	1099	3.95	39	18	8	38	18	19	15	21	61	.18	.15	39	60	.08	180	.07	30	1.72	.04	.13	12	48

NORTHERN DYNASTY FILE # B5-1586

SAMPLES	Si	Pb	Te	Ag	Bi	Co	Mn	Fe	As	U	Mg	Ta	Sr	Ca	SA	SI	V	Co	P	Lu	Cr	Mg	Ba	Ti	Al	Na	K	Th			
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM			
ES-1-1	2	26	15	10	.1	30	23	1067	7.15	543	5	10	3	0	1	2	2	48	.44	.05	0	87	.98	24	.04	7	2.42	.05	.04	1	34
ES-1-2	1	11	19	16	.1	32	15	310	12.37	106609	5	1	2	3	1	19	3	19	.22	.08	3	21	.32	12	.01	7	.60	.01	.04	1	2750
ES-1-3	1	26	25	15	.3	10	9	324	15.17	131362	5	5	2	7	1	110	3	11	.13	.07	5	10	.16	11	.01	2	.24	.01	.01	1	6450
ES-1-4	1	140	5	32	.1	34	19	1110	8.20	2024	5	10	3	10	1	2	4	65	1.01	.05	7	50	.71	83	.09	3	1.80	.09	.21	1	85
ES-1-5	1	23	11	11	.1	15	9	359	11.00	4033	5	10	2	4	1	2	2	34	.10	.09	7	22	.20	17	.01	3	.19	.01	.04	1	130
ES-1-6	2	50	15	15	.2	18	9	407	5.43	127	5	10	2	15	1	2	2	24	.13	.04	7	29	.17	43	.03	3	.55	.01	.04	1	11
ES-1-7	1	11	10	7	.1	3	3	127	7.21	152	3	10	1	3	1	2	2	4	.10	.08	2	3	.04	0	.01	3	.04	.01	.01	1	25
ES-1-8	1	15	16	11	.1	0	5	210	19.32	197	5	10	2	2	1	2	2	12	.04	.04	4	7	.09	10	.01	2	.20	.01	.02	1	3
ES-1-9	1	18	23	21	.1	40	25	740	7.45	54201	5	10	4	31	1	33	2	54	1.11	.07	11	44	.71	44	.07	0	1.76	.10	.77	19	1510
ES-1-10	1	34	22	34	.1	44	25	671	3.74	340	5	10	4	80	1	2	4	110	2.31	.05	19	11	1.04	143	.15	4	3.30	.33	.15	1	11
ES-1-11	2	78	12	9	.2	13	9	571	5.00	11615	5	10	2	0	1	7	2	33	.12	.04	7	34	.27	42	.03	3	.75	.02	.15	24	545
ES-1-12	2	42	10	15	1.5	33	32	474	11.42	49161	5	9	3	5	1	51	2	26	.11	.04	4	23	.20	30	.01	14	.50	.01	.04	1	4500
ES-1-13	1	34	11	20	.1	30	17	574	3.93	245	5	10	5	34	1	2	5	97	1.44	.05	13	96	.94	135	.12	7	2.95	.18	.34	1	4
ES-1-14	1	232	10	13	.2	54	73	512	10.00	45449	5	2	3	0	1	27	2	34	.46	.29	10	32	.20	30	.03	7	.81	.01	.12	1	1210
ES-1-15	1	29	13	24	.2	40	22	804	4.79	20167	5	10	5	35	1	0	1	53	1.50	.05	13	44	.73	99	.04	7	1.94	.11	.19	22	335
ES-1-16	2	131	7	16	.1	37	23	508	6.90	20433	5	10	4	5	1	20	2	17	.40	.19	11	0	.17	5	.01	7	.55	.01	.01	1	150
ES-1-17	2	114	5	48	.2	2150	101	2376	9.13	194	5	10	3	120	1	24	2	57	5.39	.02	2	500	3.79	23	.01	2	1.00	.01	.02	1	2

ES-1-1	1	119	45	45	.3	99	21	272	5.20	90	5	10	6	20	1	2	2	27	2.81	.04	13	31	.50	35	.03	2	3.63	.22	.07	1	4
ES-1-2	3	54	11	13	.1	44	11	234	3.95	45	5	10	7	22	1	2	2	30	.23	.03	4	93	.64	84	.09	3	1.54	.05	.40	1	19
ES-1-3	3	24	4	12	.1	27	4	141	2.12	132	5	10	4	7	1	9	5	15	.03	.01	4	75	.35	40	.07	3	.84	.01	.42	1	9
ES-1-4	3	2	4	10	.1	640	35	194	2.76	1120	5	10	3	80	1	2	2	4	0.85	.01	2	53	5.20	12	.01	3	.09	.01	.01	13	190
ES-1-5	1	1	5	0	.1	484	30	292	.45	1277	5	10	1	15	1	3	2	2	1.10	.01	2	23	.77	17	.01	2	.03	.01	.01	19	140
ES-1-6	1	54	2	13	.2	844	81	516	1.00	7244	5	10	1	10	1	35	2	13	.54	.02	2	212	.37	45	.03	2	.45	.01	.13	3	360
ES-1-7	1	69	0	13	.1	737	60	1290	4.01	1033	5	10	1	6	1	131	2	49	.34	.03	2	519	.24	44	.03	3	.57	.01	.09	1	1
ES-1-8	1	33	0	12	.1	701	74	2430	3.07	1444	5	10	1	15	1	20	2	31	2.23	.02	3	300	.29	45	.02	2	.44	.02	.05	1	14
ES-1-9	2	43	9	17	.1	37	10	371	3.04	46	5	10	4	9	1	2	2	27	.19	.04	0	34	.21	92	.05	2	.80	.01	.20	1	3
ES-1-1	2	83	4	10	.1	60	40	434	9.90	83407	5	10	4	4	1	40	2	17	.23	.10	5	14	.11	14	.01	13	.69	.01	.03	1	840
ES-1-2	2	104	9	10	.1	144	93	544	8.34	10117	5	10	2	1	7	2	71	.00	.04	12	30	.53	17	.03	4	2.27	.02	.04	1	130	
STO C70-40	24	59	40	134	6.9	70	20	1220	3.90	41	16	7	30	54	17	15	22	59	.48	.14	40	57	.00	174	.00	40	1.72	.04	.11	11	51

NORTHERN DYNASTY FILE # 85-1586

SAMPLE#	Mo	Cu	Pb	Zn	Ba	Bi	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Se	Ti	B	Al	Na	K	Ag	PPM	PPM
783-3	2	175	11	14	.5	205	210	576	13.35	114314	5	ND	9	2	1	72	7	31	.07	.05	10	23	.25	6	.01	13	1.31	.01	.03	1	820	
783-4	3	120	12	16	.6	102	88	318	11.43	177230	5	ND	4	2	1	84	4	18	.11	.08	8	20	.20	12	.01	4	.68	.01	.04	1	580	
783-5	1	7	2	5	.1	30	11	275	2.44	2622	5	ND	3	2	1	3	2	18	.06	.03	8	12	.15	6	.02	10	.88	.01	.02	1	38	
783-6	1	8	10	15	.1	52	13	372	3.46	8335	6	ND	8	35	1	3	2	52	1.61	.06	20	73	.80	193	.06	22	3.02	.17	.33	4	60	
783-7	1	3	2	3	.1	7	2	122	.87	420	5	ND	2	2	1	2	2	6	.06	.01	2	9	.15	3	.01	12	.24	.01	.01	20	16	
783-8	2	63	9	12	.1	184	17	354	3.04	175	5	ND	3	10	1	4	2	23	.73	.02	6	36	.44	18	.02	4	1.51	.03	.03	1	1	
783-9	2	194	13	10	.4	27	73	293	9.91	80664	5	ND	1	1	1	46	3	8	.89	.11	2	9	.85	7	.01	8	.18	.01	.01	1	635	
783-10	1	40	2	9	.3	135	52	450	6.30	21175	5	ND	7	3	1	16	2	48	.14	.07	14	30	.47	55	.04	18	1.55	.03	.18	2	360	
783-11	2	163	8	9	.2	39	18	297	4.91	1415	5	ND	3	2	1	2	2	38	.06	.03	6	57	.45	6	.02	9	1.27	.01	.02	1	28	
783-12	3	185	1	11	.4	134	29	294	3.30	2359	5	ND	6	14	1	2	5	13	.72	.02	11	30	.39	9	.01	2	1.40	.06	.03	1	26	
783-1	2	20	5	6	.4	7	16	220	6.63	64333	5	ND	1	1	1	75	2	1	.02	.02	2	1	.03	6	.01	6	.04	.01	.01	1	985	
783-2	3	11	6	8	.2	27	24	662	6.31	43318	5	ND	1	1	1	35	2	14	.08	.02	2	11	.09	9	.01	2	.21	.01	.01	1	240	
783-3	2	25	8	11	.1	19	9	399	5.83	67	5	ND	2	6	1	6	2	29	.20	.14	3	30	.13	47	.02	3	.48	.01	.07	1	160	
783-4	1	69	10	16	.3	19	13	444	9.76	6584	5	ND	3	5	1	8	2	31	.34	.23	5	33	.21	36	.02	2	.54	.01	.06	1	105	
783-5	1	49	7	33	.2	41	19	568	3.04	130	5	ND	4	66	1	2	2	86	1.72	.05	12	116	.83	229	.09	2	2.91	.20	.40	1	1	
783-6	1	33	9	21	.2	34	14	493	4.16	3633	5	ND	4	30	1	4	2	34	1.19	.06	10	63	.66	126	.06	3	2.03	.16	.29	1	42	
783-7	1	21	4	11	.4	19	6	733	9.44	500	5	ND	2	5	1	4	2	30	.08	.05	2	23	.15	12	.01	3	.30	.01	.02	1	15	
783-8	1	19	6	14	.2	32	6	474	8.33	268	5	ND	2	5	1	8	2	23	.09	.08	6	25	.15	15	.01	8	.40	.01	.02	1	2	
783-9	1	16	5	8	.4	8	6	413	7.29	19833	5	ND	1	1	1	22	2	7	.02	.02	2	3	.04	9	.01	2	.04	.01	.01	1	375	
STD C/P#-ND	21	50	60	130	7.2	60	27	1190	3.96	41	17	8	30	54	17	15	21	61	.48	.16	30	59	.80	182	.08	30	1.72	.06	.11	13	52	



REPORT: 425-3299

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU OPT	Ag OPT	Acme Au OPT	
P4 EGS-R-2	1.7	0.094	0.02	.051 .086	McGRUBER LAKE
P4 EGS-R-3		0.205	0.03	.177	
P4 ICS-R-101		0.082	0.02	.044	CASTOR LAKE
P4 ICS-R-102	1.9	0.061	0.08	.055	
P4 ICS-R-103		0.042	0.06	.042 .033	
P4 ICS-R-104		0.007	<0.02	.007 .004	

Handwritten signature

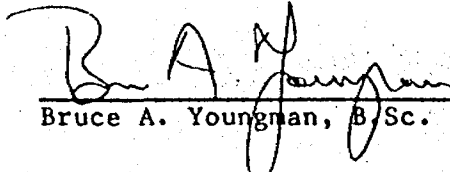
APPENDIX 5

Authors' Certifications

AUTHOR'S CERTIFICATION

I, Bruce A. Youngman, of 208 - 170 East 3rd Street, North Vancouver, British Columbia, hereby certify as follows:

1. That I graduated from the University of British Columbia with a Bachelor of Science degree in geology in 1981.
2. That I have practised my profession continually since that time.
3. That I co-authored this report based on the 1985 field program on the Arseno Lake, Castor Lake and McGruer Lake Properties.



Bruce A. Youngman, B.Sc.

Final
2.8.5.98

AUTHOR'S CERTIFICATION

I, David Wilson Tupper, of 2657 West 2nd Avenue, Vancouver, British Columbia, hereby certify as follows:

1. That I graduated from the University of British Columbia with a Bachelor of Science degree in geology in 1985.
2. That I have practised my profession continually since that time.
3. That I co-authored this report based on the 1985 field program on the Arseno Lake, Castor Lake and McGruer Lake Properties.

David W. Tupper
David Wilson Tupper, B.Sc.

28598

AUTHOR'S CERTIFICATION

I, George Gorzynski, of 156 Glenholme Avenue, Toronto, Ontario,
hereby certify as follows:

1. That I graduated from the University of Toronto with a Bachelor of Applied Science degree in geological engineering/mineral exploration in 1978.
2. That I have practised my profession continually since that time.
3. That I co-authored this report based on the 1985 field program on the Arseno Lake, Castor Lake and McGruer Lake Properties.


George Gorzynski, B.A.Sc.

*Incl.
2. 8598*



53B15NW0020 53B15NW0019 SEESEEP LAKE

900

85-132

28709



Min. of Resources Report of Work (Geophysical, Geological, Geochemical and Expenditures)

Mining Act

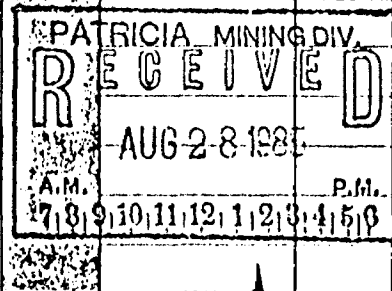
Instructions: Please type or print. If number of mining claims traversed exceeds space on this form, attach a list. Note: Only days credits calculated in the 'Expenditures' section may be entered in the 'Expend. Days Cr.' columns. Do not use shaded areas below.

Form header with fields: Type of Survey (GEOCHEMICAL EXPENDITURES), Claim Holder(s) (NORTHMAN DYNASTY EXPLORATIONS LTD.), Address (844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8), Survey Company (DUNLOP EXPLORATIONS), Date of Survey (8/15/85), Total Miles of line Cut (7.5), Name and Address of Author (DAVE TUPPOL, GEORGE GOLBEINAKI, BRUCE YOUNGMAN, 844 W. HASTINGS ST., VANCOUVER, B.C. V6C 1C8)

Table for Credits Requested per Each Claim in Columns at right. Columns: Special Provisions, Man Days, Airborne Credits, Geophysical (Electromagnetic, Magnetometer, Radiometric, Other), Geological, Geochemical, Days per Claim.

Table for Mining Claims Traversed (List in numerical sequence). Columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. (20 for Pa 817451 and 817452).

Form for Expenditures (excludes power stripping). Type of Work Performed: SECTION 77-19 SOIL GEOCHEMICAL ANALYSES. Performed on Claim(s): Pa 817451; 817452. Calculation of Expenditure Days Credits: \$600.00 + 15 = 40. Instructions: Total Days Credits may be apportioned at the claim holder's choice.



Form for Total number of mining claims covered by this report of work. Value: 2.

Form for For Office Use Only. Total Days Cr. Recorded: 40. Date Recorded: Aug. 28, 1985. Date Approved as Recorded: 86-01-21.

Form for Date and Record Holder or Agent (Signature). Date: Aug. 24/85. Signature: Bruce A. Youngman.

Certification Verifying Report of Work. I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed some during and/or after its completion and the annexed report is true.

Form for Name and Postal Address of Person Certifying. Name: BRUCE A. YOUNGMAN. Address: P.O. Box 350, PICKLE LAKE, ONT P0V 3K6 or 844 W. HASTINGS ST., VANCOUVER, B.C. V6C 1C8. Date Certified: AUG. 24/85. Signature: Bruce A. Youngman.



Ministry of Natural Resources
Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

#85-134
28709

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Ontario
P.P. letter
Main lands

Mining Act

Type of Survey: **GEOCHEMICAL EXPENDITURES** Township or Area: **KEEYASK LAKE G-2-85**
 Claim Holder(s): **NORTHERN DYNASTY EXPLORATIONS LTD.** Prospector's Licence No.: **T-1884**
 Address: **844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8**
 Survey Company: **DUNEL EXPLORATIONS** Date of Survey (from & to): **17 May 85 to 22 May 85** Total Miles of line Cut: _____
 Name and Address of Author (of Geo-Technical report): **BRUCE YOUNGMAN, GEORGE GOLZYNSKI, DAVE TUPPER** **844 W. HASTINGS ST VANCOUVER, B.C. V6C 1C8**

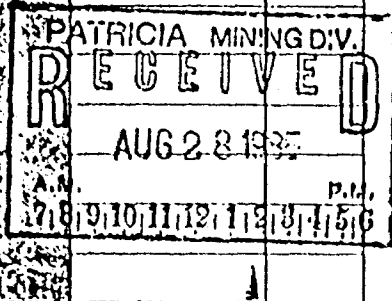
Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical		Days per Claim
	Electromagnetic	Magnetometer	
For first survey: Enter 40 days. (This includes line cutting)			
For each additional survey: using the same grid: Enter 20 days (for each)			
Aerial Days Complete reverse side and enter total(s) here	Geophysical		Days per Claim
	Electromagnetic		
	Magnetometer		
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geophysical		Days per Claim
	Electromagnetic		
	Magnetometer		

Mining Claim			Expend. Days Cr.	Mining Claim			Expend. Days Cr.
Prefix	Number			Prefix	Number		
Pa	816719		20				
	816720		20				
	816721		20				
	816722		20				
	816723		20				
	816724		20				
	816725		20				
	816726		20				
	803213		1				
	803214		1				
	803215		1				

Expenditures (excludes power stripping)
 Type of Work Performed: **SECTION 77-19 SOIL GEOCHEMICAL ANALYSIS**
 Performed on Claim(s): **Pa 816719, Pa 816720, Pa 816722, Pa 816723, Pa 816724, Pa 803213, Pa 803214, Pa 803215**
 Calculation of Expenditure Days Credits:
 Total Expenditures: **\$ 2445.00** + Total Days Credits: **15** = **163**



Total number of mining claims covered by this report of work: **11**

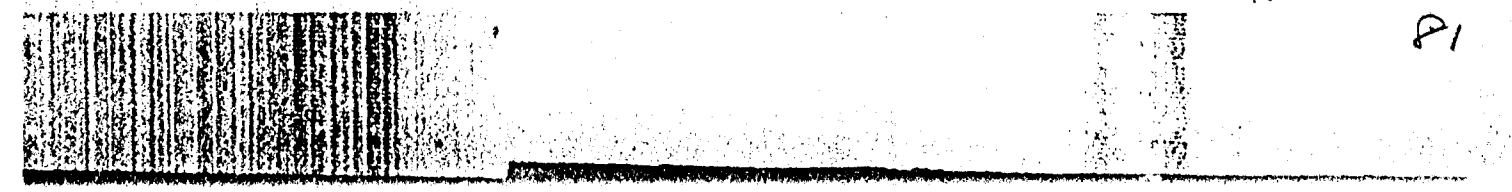
Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only
 Total Days Cr. Recorded: **163** Date Recorded: **Aug. 28, 1985**
 Date Approved as Recorded: **86-01-21**

Recorded Holder or Agent (Signature): **BRUCE A. YOUNGMAN**
 Date: **Aug-24/85**

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **BRUCE A. YOUNGMAN P.O. Box 350, PICKLE LAKE, ONT., P6V 3A0**
 Date Certified: **Aug. 24/85**
 Signature: **BRUCE A. YOUNGMAN**



P1



Min of Report of Work
Natural Resources (Geophysical, Geological,
Geochemical and Expenditures)

#85-135
28709

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend Days Cr" columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) **GEOCHEMICAL EXPENDITURES** Township or Area **SEESERP LAKE (G-2204)**
 Claim Holder(s) **NORTHERN DYNASTY EXPLORATIONS LTD.** Prospector's Licence No. **T-1884**
 Address **844 WEST. HASTINGS ST. VANCOUVER B.C. V6C 1C8**
 Survey Company **DUNLOP EXPLORATIONS** Date of Survey (from & to) **17 7 85** to **22 7 85** Total Miles of line Cut
 Name and Address of Author (of Geo-Technical report) **DANE TULLER, GEORGE SCHYNSKI, BRUCE YOUNGMAN** **844 W. HASTINGS ST VANCOUVER, B.C. V6C**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
Pa	816727	20			
	816728	20			
	816729	20			
	816730	20			
	818472	1			
	818473	1			
	818474	1			
	818475	1			
	818476	1			
	818477	1			
	818478	1			
	818479	1			
	818509	1			
	818510	1			
	818511	1			
	818512	1			
	818513	1			
	818514	1			

PATRICIA MINING DIV.
RECEIVED
AUG 28 1985
A.M. 7 8 9 10 11 12 P.M. 1 2 3 4 5 6

Expenditures (excludes power stripping)
 Type of Work Performed **SECTION 77-19 SOIL GEOCHEMICAL ANALYSES**
 Performed on Claim(s) **Pa 816727 ; Pa 816728 ; Pa 816729 ; Pa 816730 ; Pa 818511**
 Calculation of Expenditure Days Credits
 Total Expenditures **\$ 1200.00** + **15** = **\$ 94**
 Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa. 816719 Total number of mining claims covered by this report of work. **18**

For Office Use Only
 Total Days Cr. Recorded **94** Date Recorded **Aug. 28, 1985**
 Date Approved as Recorded **86-01-21** Mining Recorder **[Signature]**
 Branch Director **[Signature]**

Date **Aug. 24/85** Recorded Holder or Agent (Signature) **[Signature]**

Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **BRUCE A. YOUNGMAN PO. Box 350 PICKLE LAKE, ONT P0V 3A0**
 Date Certified **Aug. 24/85** Certified by (Signature) **[Signature]**
 or **844 W HASTINGS ST, VANCOUVER, B.C. V6C 1C8**

1362 (81-91)



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

CASTOR LAKE

85-181

The Mining Act

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." column
- Do not use shaded areas below.

Type of Survey(s) GEOPHYSICS (GROUND MAGNETICS) Township or Area SEESSEET LAKE/G-2204
 Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD. Prospector's Licence No. T-1884
 Address 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8
 Survey Company DUNLOP EXPLORATIONS Date of Survey (from & to) _____ Total Miles of line Cut _____
 Name and Address of Author (of Geo-Technical report) G. GORZYNSKI / B. YOUNGMAAN / D. TUPPER / E. EWEN / 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
	Geophysical	
	Days per Claim	
Man Days Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	1.65
	- Radiometric	
	- Other	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	
	Geochemical	
	Electromagnetic	
	Days per Claim	
Expenditures (excludes power stripping)	Magnetometer	
	Radiometric	
	Days per Claim	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	817453				
	818425				
	818428				
	818429				
	818430				
	818431				
	818433				
	818434				
	818435				
	818457				
	818464				
	818496				
	818497				
	818498				
	818499				
	818500				
	818501				
	818502				
	818503				

Expenditures (excludes power stripping)

Type of Work Performed _____

Performed on Claim(s) _____

Calculation of Expenditure Days Credits

Total Expenditures \$ _____ + 15 = Total Days Credits _____

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 817451

Total number of mining claims covered by this report of work. 19

For Office Use Only

Total Days Cr. Recorded 31.5 Date Recorded Oct 17/85 Mining Recorder [Signature]
 Date Approved as Recorded 86-01-21 Branch Director [Signature]

Date 15 Oct/85 Recorded Holder or Agent (Signature) [Signature]

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying GEORGE GORZYNSKI, 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8
 Date Certified 15 Oct/85 Certified by (Signature) [Signature]



Ministry of Natural Resources

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

CASTOR LAKE

85-182
The Mining Act 8109

- Instructions: - Please type or print.
 - If number of mining claims traversed exceeds space on this form, attach a list.
 Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
 - Do not use shaded areas below.

Type of Survey(s): **GEOCHEMISTRY** Township or Area: **SEES EEP LAKE/G-2204**
 Claim Holder(s): **NORTHERN DYNASTY EXPLORATIONS LTD.** Prospector's Licence No.: **T-1884**
 Address: **844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8**
 Survey Company: **DUNLOP EXPLORATIONS** Date of Survey (from & to): **08 Day 07 Mo. 85** Total Amount of line Cut: **17.9**
 Name and Address of Author (of Geo-Technical report): **G. GORZYNSKI / B. YOUNGMAN / D. TUPPER / E. EVEN / 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	Magnetic	0.45
	Geological	
	Geochemical	5.1
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
PA	817451				
	817452				
	817453				
	818424				
	818425				
	818428				
	818430				
	818435				
	818496				
	818497				
	818498		PA		
	818499		R		
	818500				
	818501				
	818502				
	818503				

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ + 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 817451 Total number of mining claims covered by this report of work. **16**

Date: **15 OCT 1985** Recorded Holder or Agent (Signature): *G. Gorzynski*

For Office Use Only

Total Days Cr. Recorded: **82.25** Date Recorded: **Oct 17/85** Mining Recorder: *[Signature]*

Date Approved as Recorded: **See Reversed Statement** Branch Director: *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **GEORGE GORZYNSKI, 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8**

Date Certified: **15 OCT 1985** Certified by (Signature): *G. Gorzynski*



Ministry of Natural Resources
 Report of Work
 (Geophysical, Geological, Geochemical and Expenditures)

CASTOR LAKE

85-183 4109

The Mining Act

Instructions: - Please type or print
 - If number of mining claims traversed exceeds space on this form, attach a list
 Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." column
 - Do not use shaded areas below.

Type of Survey(s) **GEOCHEMICAL EXPENDITURES** Township or Area **SEEST LAKE/G-2204**
 Claim Holder(s) **NORTHERN DYNASTY EXPLORATIONS LTD.** Prospector's Licence No. **T-1884**
 Address **844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8**
 Survey Company **DUNLOP EXPLORATIONS** Date of Survey (from & to) **08 07 85** to **02 09 85** Total Miles of line Cut
 Name and Address of Author (of Geo-Technical report) **G. GORZYNSKI / B. YOUNGMAN / D. TUPPER / E. EWEN / 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8**

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	817451*	1	PA	818462	20.
	817452*	1		818463	20.
	817453*	1		818464	18.35
	818424*	14.45		818465	20.
	818425*	9.8		818466	20.
	818426	20.		818467	20.
	818427	20.		818468	20.
	818428*	12.8		818469	20.
	818429	15.35		818470	20.
	818430*	9.8		818471	20.
	818431	15.35		818495	20.
	818432	20.		818496*	9.8
	818433	15.35		818497*	9.8
	818434	15.35		818498*	12.8
	818435*	12.8		818499*	12.8
	818436	20.		818500*	35.25
	818437	20.		818501*	9.8
	818438	20.		818502*	9.8
	818439	20.		818503*	9.8
	818457	18.35		818504	20.
	818458	20.		818505	20.
	818459	20.		818506	20.
	818460	20.		818507	20.
	818461	20.		818508	20.

Expenditures (excludes power stripping)
 Type of Work Performed **SECT 97-19**
Soil & Rock GEOCHEMISTRY
 Performed on Claim(s) **WORK PERFORMED ON CLAIMS WITH ASTERISKS(*) ->**
 Calculation of Expenditure Days Credits
 Total Expenditures **\$ 11 870.-** + 15 = **791.3** Total Days Credits
 Instructions
 Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 817451
 Total number of mining claims covered by this report of work. **48**
 For Office Use Only
 Total Days Cr. Recorded **791.3** Date Recorded **Oct 17/85** Mining Recorder **[Signature]**
 Date Approved as Recorded **Dec 1985** Branch Director **[Signature]**

Date **15 OCTOBER 85** Record Holder or Agent (Signature) **[Signature]**
 Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.
 Name and Postal Address of Person Certifying **GEORGE GORZYNSKI, 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8**
 Date Certified **15 OCT / 85** Certified by (Signature) **[Signature]**

Instructions: - Please type or print.
 - If number of mining claims traversed exceeds space on this form, attach a list.
 Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
 - Do not use shaded areas below.

Type of Survey(s) **GEOPHYSICAL / GEOCHEMICAL** Township (Area) **SEESCTLAKE / G-2204**
 Claim Holder(s) **NORTHERN DYNASTY EXPLORATIONS LTD** Prospector's Licence No. **T-1884**
 Survey Company **DUNLOP EXPLORATIONS** Date of Survey (from & to) **17/07/85 09 09/85** Total Miles of Line Cut **18.5 km**
 Name and Address of Author (for technical report) **G. GORZYNSKI / B. YOUNG / D. TOPPER / E. EWEN / 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8**

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	40
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	3.6
Airborne Credits		Days per Claim
Note: Special provision credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim Traversed (List in numerical sequence)			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	816727*	10			
	816728*	1			
	816729*	1			
	816730*	1			
	818472*	20			
	818473	35			
	818474	35			
	818475*	35			
	818476*	35			
	818477*	35			
	818478	35			
	818479*	30			
	818509*	30			
	818510*	35			
	818511*	35			
	818512*	35			
	818513*	35			
	818514*	35			

Expenditures (excludes power stripping)
 Type of Work Performed **SOIL & ROCK GEOCHEMISTRY**
 Performed on Claim(s) **WORK PERFORMED ON CLAIMS MARKED WITH ASTERISKS (*)**
 Calculation of Expenditure Days Credits
 Total Expenditures **\$ 7170.-** Total Days Credits **15** = **478**
 Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 816 719 Total number of mining claims covered by this report of work. **18**

For Office Use Only
 Total Days Cr. Recorded **1262.8** Date Recorded **Oct 12/85**
 Date Approved as Recorded **See Revised Statement**
 Mining Recorder **[Signature]**
 Branch Director **[Signature]**

Date **10 OCT/85** Recorded Holder or Agent (Signature) **[Signature]**

Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **GEORGE GORZYNSKI, 844 W. HASTINGS ST., VANCOUVER, B.C., V6C 1C8**
 Date Certified **10 Oct/85** Certified by (Signature) **[Signature]**



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

85-185

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use untraversed areas below.

The Mining Act

Type of Survey(s) GEOCHEMICAL EXPENDITURES	Township or Area KELLY LAKE/G-2025
Claim Holder(s) NORTHERN DUNLAP EXPLORATIONS	Prospector's Licence No. T-1884
Address 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8	
Survey Company DUNLAP EXPLORATIONS	Date of Survey (from & to) 6/7/85 to 8/2/85
Name and Address of Author (of Geo-Technical report) G. GORZYNSKI / B. YOUNGMAN / D. TUPPER / E. EWEN	Total Miles of line Cut 844 W. HASTINGS ST. VANCOUVER, B.C. V6C 1C8

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
PA	803210*	4.0	PA	818445	45.6
	803211	20.0		818446	20.0
	803212	20.0		818447	20.0
	803213*	2.7		818448	20.0
	803214*	2.7		818449	20.0
	803215*	2.7		818450	20.0
	803216	20.0		818451	20.0
	803217	20.0		818452	20.0
	803218	20.0		818453	20.0
	803219	20.0		818454	20.0
	803220	20.0		818480*	3.7
	816719*	24.0		818481*	1.0
	816720*	24.0		818482*	1.0
	816721	1.0		818483*	1.1
	816722*	1.0		818484*	6.6
	816723*	26.6		818485*	6.6
	816724*	1.0		818486*	1.1
	816725*	26.6		818487*	1.0
	816726*	1.0		818488*	1.0
	818440*	4.0		818489*	3.7
	818441	20.0		818490*	3.7
	818442	20.0		818491*	1.1
	818443	20.0		818492*	1.1
	818444	20.0		818493*	1.1
				818494*	6.6

Expenditures (excludes power stripping)

Type of Work Performed **SECT 77-19**

SOIL & ROCK GEOCHEMISTRY

Performed on Claim(s)
WORK PERFORMED ON CLAIMS WITH ASTERISKS (*)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 9110.00** ÷ Total Days Credits **15** = **607.3**

Pa 803210

Total number of mining claims covered by this report of work. **19**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only		Mining Recorder
Total Days Cr. Recorded	Date Recorded	John H. [Signature]
607.3	Oct 17/85	
Date Approved	Branch Director	
10 Oct 1985	[Signature]	

Date **10 Oct 1985**

Recorded Holder or Agent (Signature)
G. Gorzynski

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
GEORGE GORZYNSKI, 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8

Date Certified **10 Oct 1985**

Certified by (Signature)
G. Gorzynski



Ministry of Natural Resources
Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

85-187

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

R. P. ette
Mining lands

The Mining Act

2-5109

Type of Survey(s) GEOCHEMICAL / GEOLOGICAL Township or Area KEYASK LAKE/G-2085
 Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD Prospector's Licence No. T-1884
 Address 844 WEST HASTINGS ST., VANCOUVER, B.C., V6C 1C8
 Survey Company DUNLOP EXPLORATIONS Date of Survey (from & to) Day 08 85 Day 23 09 85 Total Miles of line Cut 13.0 km
 Name and Address of Author (of Geo-Technical report) G. GORZYNSKI / B. YOUNGMAN / D. TUPPER / E. EWEN / VANCOUVER, B.C. V6C 1C8

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	Magnetic	
	Other	<u>2.1</u>
	Geological	<u>1.1</u>
	Geochemical	<u>12.2</u>
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	803210				
	803213				
	803214				
	803215				
	816719				
	816720				
	816722				
	816723				
	816724				
	816725				
	816726				
	818440				
	818480				
	818483				
	818484				
	818485				
	818486				
	818487				
	818490				
	818491				
	818492				
	818493				
	818494				

Expenditures (excludes power stripping)

Type of Work Performed
 Performed on Claim(s)
 Calculation of Expenditure Days Credits
 Total Expenditures \$ ÷ 15 = Total Days Credits
 Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 803210

Total number of mining claims covered by this report of work. 23

For Office Use Only
 Total Days Cr. Recorded 305.3 Date Recorded Oct 17/85
 Mining Recorder [Signature]
 Date Approved as Recorded See Revised Branch Director [Signature]

Date 10 Oct/85 Recorded Holder or Agent Signature [Signature]

Certification Verifying Report of Work
 I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying GEORGE GORZYNSKI, 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8
 Date Certified 10 Oct/85 Certified by Signature [Signature]



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

85-188

2.8.109

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

The Mining Act

Type of Survey(s) GEOPHYSICAL (GROUND EM-16)	Township or Area KEYYASK LAKE/G-2085
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD	Prospector's Licence No. T-1884
Address 844 WEST HASTINGS ST, VANCOUVER, B.C. V6C 1C8	
Survey Company DUNLOP EXPLORATIONS	Date of Survey (from & to) 21 08 85 22 08 85 Day Mo. Yr. Day Mo. Yr.
Name and Address of Author (of Geo-Technical report) G. GORZYNSKI / B. YOUNGMAN / D. TOPPER / E. EWEN / 844 W. HASTINGS ST. VANCOUVER, B.C. V6C 1C8	

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	2.6
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
PA	803210				
	816719				
	816720				
	816722				
	818440				
	818481				
	818482				
	818483				
	818486				
	818487				
	818488				
	818491				
	818492				
	818493				

Expenditures (exclude power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ + 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 803210

Total number of mining claims covered by this report of work. **14**

Date **10 OCT/85** Recorded Holder or Agent (Signature) *G. Gorzynski*

For Office Use Only

Total Days Cr. Recorded **36.75** Date Recorded **Oct 17/85** Mining Recorder *[Signature]*

Date Approved as Recorded *[Signature]* Branch Director *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and ultimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
G. GORZYNSKI, 844 WEST HASTINGS ST VANCOUVER, B.C. V6C 1C8

Date Certified **10 OCT/85** Certified by (Signature) *G. Gorzynski*



Ministry of
Natural
Resources
Ontario

Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

85-189
2 5109

The Mining Act

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s) GEOPHYSICAL (GROUND MAGNETICS)	Township or Area KEELYASK LAKE/2085
Claim Holder(s) NORTHERN DYNASTY EXPLORATIONS LTD.	Prospector's Licence/No. T-1884
Address 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8	
Survey Company DUNLOP EXPLORATIONS	Total Miles of line Cut
Name and Address of Author (of Geo-Technical report) G. GORZYNSKI/B. YOUNGMAN/D. TUPPER/E. EWEN	Date of Survey (from to) 19 08 85 22 08 85
844 W. HASTINGS ST. VANCOUVER, B.C. V6C 1C8	

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	2.9
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	803213				
	803214				
	803215				
	816724				
	818480				
	818483				
	818486				
	818489				
	818490				
	818491				
	818492				
	818493				

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ + 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa 803210

Total number of mining claims covered by this report of work. **12**

Date **10 Oct/85** Recorder Holder or Agent (Signature) **H. Gorzynski**

For Office Use Only

Total Days Cr. Recorded **34.3** Date Recorded **Oct 17/85** Mining Recorder **[Signature]**

Date Approved as Recorded **See Revised Worksheet** Branch Director

I hereby certify that I have personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
GEORGE GORZYNSKI, 844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8

Date Certified **10 Oct/85** Certified by (Signature) **H. Gorzynski**



Ministry of Northern Affairs and Mines

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

McGROER LAKE PROPERTY

85-219
2,810.1
Mining Act

Instructions: -- Please type or print.
-- If number of mining claims traversed exceeds space on this form, attach a list.
Note: -- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
-- Do not use shaded areas below.

Type of Survey(s): **GEOCHEMICAL EXPENDITURES - *RESUBMITTED*** Township or Area: **SEESLET LAKE/G-2204**
 Claim Holder(s): **NORTHERN DYNASTY EXPLORATIONS LTD.** Prospector's Licence No.: **T-1884**
 Address: **844 WEST HASTINGS ST., VANCOUVER, B.C. V6C 1C8**
 Survey Company: **DUNLOP EXPLORATIONS** Date of Survey (from & to): **17 07 85** to **09 09 85** Total Miles of Line Cut: _____
 Name and Address of Author (of Geo-Technical report): **G. GORZYNSKI / B. YOUNGMAN / D. TUPPER / 844 WEST HASTINGS ST VANCOUVER, B.C. V6C 1C8**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	- Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
PA	816727 *	30.1			
	816728 *	30.1			
	816729 *	30			
	816730 *	30			
	818472 *	30			
	818473	30			
	818474	30			
	818475 *	30			
	818476 *	30			
	818477 *	30			
	818478	30			
	818479 *	30			
	818509 *	30			
	818510 *	30			
	818511 *	30			
	818512 *	30			
	818513 *	30			
	818514 *	30			
TOTAL		540.1			

Expenditures (excludes power stripping)

Type of Work Performed: **SHEET 77-19 SOIL & ROCK GEOCHEMISTRY**

Performed on Claim(s): **WORK PERFORMED ON CLAIMS MARKED WITH ASTERISKS (*)**

Calculation of Expenditure Days Credits

Total Expenditures: **\$ 9512.20** + **15** = **634.1**

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date: **05 Dec 185** Recorder/Holder or Agent Signature: **G. Gorzynski**

Total number of mining claims covered by this report/work: **18**

For Office Use Only

Total Days Cr. Recorded: **540.1** Date Recorded: **Dec 13/85** Mining Recorder: **Chris Pasco**

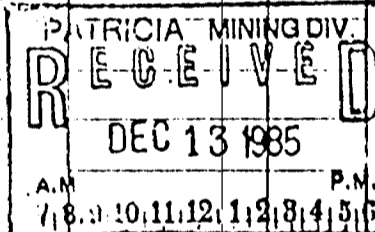
Date Approved as Recorded: **See Record** Branch Director: **Shakema Y**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **GEORGE GORZYNSKI, 844 WEST HASTINGS ST. VANCOUVER, B.C. V6C 1C8**

Date Certified: **05 DEC 185** Certified by Signature: **G. Gorzynski**



Assessment Work Breakdown

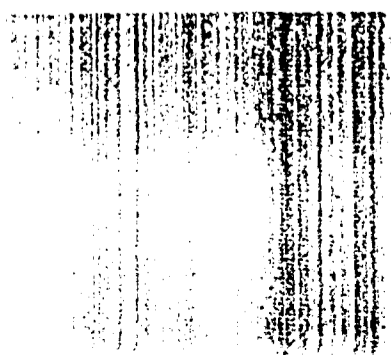
man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey GEOLOGICAL						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text" value="2.9"/>		<input style="width: 20px;" type="text" value="7"/>		<input style="width: 50px;" type="text" value="20.3"/>		<input style="width: 50px;" type="text" value="—"/>
			=	Total Credits	+	No. of Claims
				<input style="width: 50px;" type="text" value="20.3"/>		<input style="width: 50px;" type="text" value=""/>
			=	Days per Claim		
				<input style="width: 50px;" type="text" value="20.3"/>		

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>		<input style="width: 20px;" type="text" value="7"/>		<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Total Credits	+	No. of Claims
				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Days per Claim		
				<input style="width: 50px;" type="text"/>		

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>		<input style="width: 20px;" type="text" value="7"/>		<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Total Credits	+	No. of Claims
				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Days per Claim		
				<input style="width: 50px;" type="text"/>		

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>		<input style="width: 20px;" type="text" value="7"/>		<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Total Credits	+	No. of Claims
				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	Days per Claim		
				<input style="width: 50px;" type="text"/>		



Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey						
<i>GEOPHYSICAL (GROUND - EM-16)</i>						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<u>5.25</u>				<u>36.75</u>		=
			=	<u>36.75</u>	+	No. of Claims
						<u>14</u>
			=	<u>2.6</u>		
Days per Claim						

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
[]				[]		[]
			=	[]	+	[]
			=	[]	+	[]
			=	[]		
Days per Claim						

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
[]				[]		[]
			=	[]	+	[]
			=	[]	+	[]
			=	[]		
Days per Claim						

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
[]				[]		[]
			=	[]	+	[]
			=	[]	+	[]
			=	[]		
Days per Claim						



Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>GEOPHYSICAL (GROUND MAGNETICS)</i>												
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
4.9		7		34.3		-		34.3		12		2.9

Type of Survey												
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										

Type of Survey												
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
		7										



Assessment Work Breakdown

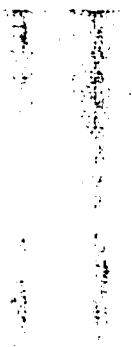
Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>GEOPHYSICS (GROUND MAG)</i>						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text" value="4.5"/>				<input style="width: 50px;" type="text" value="31.5"/>		<input style="width: 50px;" type="text" value="-"/>
			=	<input style="width: 50px;" type="text" value="31.5"/>	+	<input style="width: 50px;" type="text" value="19"/>
			=	<input style="width: 50px;" type="text" value="31.5"/>	+	<input style="width: 50px;" type="text" value="1.65"/>

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>

Type of Survey						
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>



Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>GEOCHEMICAL</i>						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
35.4	X	7	=	247.8	+	33
			=	280.8	+	23
					=	12.2

Type of Survey <i>GEOLOGICAL</i>						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
3.5	X	7	=	24.5	+	—
			=	24.5	+	23
					=	1.1

Type of Survey						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
[]	X	7	=	[]	+	[]
			=	[]	+	[]
					=	[]

Type of Survey						
Technical Days		Technical Days Credits		Line-cutting Days	Total Credits	No. of Claims
[]	X	7	=	[]	+	[]
			=	[]	+	[]
					=	[]



Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>GEOCHEMISTRY</i>						
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text" value="9.75"/>				<input style="width: 50px;" type="text" value="68.25"/>		<input style="width: 50px;" type="text" value="14"/>
			=	<input style="width: 50px;" type="text" value="82.25"/>	+	<input style="width: 50px;" type="text" value="16"/>
			=	<input style="width: 50px;" type="text" value="5.140"/>		

Type of Survey						
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>		

Type of Survey						
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>		

Type of Survey						
Technical Days	x	7	=	Technical Days Credits	+	Line-cutting Days
<input style="width: 50px;" type="text"/>				<input style="width: 50px;" type="text"/>		<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>	+	<input style="width: 50px;" type="text"/>
			=	<input style="width: 50px;" type="text"/>		



Assessment Work Breakdown

GEOCHEMICAL

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey
GEOCHEMICAL

Technical Days		Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim		
9.375	X	7	=	65.6	+	—	=	65.6	+	18	=	3.6

Type of Survey

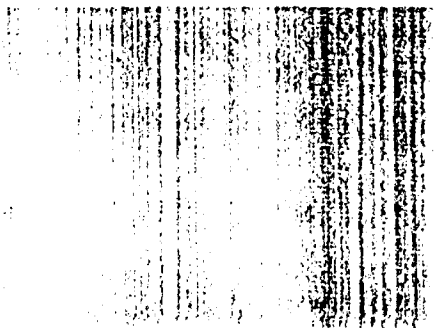
Technical Days		Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim		
	X	7	=		+		=		+		=	

Type of Survey

Technical Days		Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim		
	X	7	=		+		=		+		=	

Type of Survey

Technical Days		Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim		
	X	7	=		+		=		+		=	



Assessment Work Breakdown

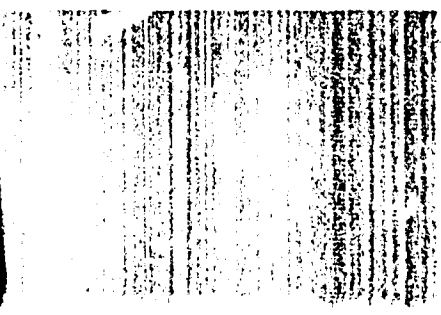
Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
6				42		-		42		14		3.0

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim

Type of Survey												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim





Ministry of
Northern Affairs
and Mines

Technical Assessment
Work Credits

File

2,8709

Date

1986 01 21

Mining Recorder's Report of
Work No.

85-133

Recorded Holder

NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area

SESEEP LAKE AREA

Type of survey and number of
Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic _____ days

Magnetometer _____ days

Radiometric _____ days

Induced polarization _____ days

Other _____ days

Section 77 (19) See "Mining Claims Assessed" column

Geological _____ 0 _____ days

Geochemical _____ days

Man days

Airborne

Special provision

Ground

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

Special credits under section 77 (16) for the following mining claims

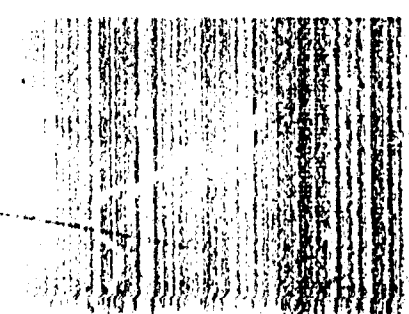
No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

PA 817453
NO GEOLOGICAL PLANS FILED.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Recorded Holder NORTHERN DYNASTY EXPLORATION LTD
Township or Area SEESEEP LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer <u>20</u> days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	PA 817451-52

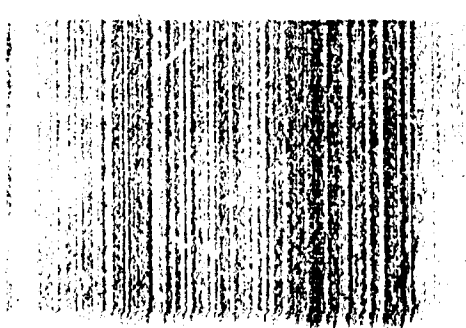
Special credits under section 77 (16) for the following mining claims

--

No credits have been allowed for the following mining claims

<input type="checkbox"/> not sufficiently covered by the survey <input type="checkbox"/> insufficient technical data filed
<p>NO LINECUTTING CREDITS AS ALREADY GRANTED ON REPORT OF WORK 85-182.</p>

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 20; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Ministry of
Northern Affairs
and Mines

Technical Assessment
Work Credits

File

2,8709

Date

1986 01 21

Mining Recorder's Report of
Work No.

85-182

Recorded Holder

NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area

SEESEEP LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Other _____ days</p>	
<p>Section 77 (19) See "Mining Claims Assessed" column</p>	
<p>Geological _____ days</p>	
<p>Geochemical <u>6.3</u> days</p>	<p>PA 817451-52-53 ✓ 818425-30 ✓ 818496 to 503 inclusive ✓</p>
<p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p>	
<p>Special provision <input type="checkbox"/> Ground <input type="checkbox"/></p>	
<p><input type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p>	
<p><input checked="" type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p>	

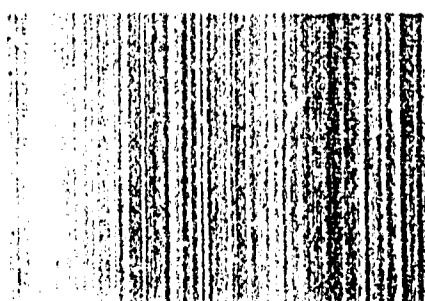
Special credits under section 77 (16) for the following mining claims

<p> </p>

No credits have been allowed for the following mining claims

<p><input type="checkbox"/> not sufficiently covered by the survey</p> <p><input checked="" type="checkbox"/> insufficient technical data filed</p> <p>PA 818424-28-35</p>
--

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 20.





Ministry of
Northern Affairs
and Mines

Technical Assessment
Work Credits

File

2,8709

Date

1985 01 21

Mining Recorder's Report of
Work No.

85-183

Recorded Holder

NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area

SEESEEP LAKE AREA

Type of survey and number of
Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic _____ days

Magnometer _____ days

Radiometric _____ days

Induced polarization _____ days

Other _____ days

Section 77 (19) See "Mining Claims Assessed" column

Geological _____ days

Geochemical _____ days

Man days

Airborne

Special provision

Ground

Credits have been reduced because of partial
coverage of claims.

Credits have been reduced because of corrections
to work dates and figures of applicant.

\$11,870.00 SPENT ON ASSAYING SAMPLES TAKEN
FROM MINING CLAIMS:

PA 817451-52-53

818425-30

818496 to 503 inclusive

791.3 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED
IN ACCORDANCE WITH SECTION 76(6) OF THE MINING
ACT R.S.O. 1980.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40, Section 77(19) - 60.



Recorded Holder

NORTHERN DYNASTY EXPLORATION LTD

Township or Area

SEESEEP LAKE AREA

Type of survey and number of
Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic _____ days

Magnetometer 29 days

Radiometric _____ days

Induced polarization _____ days

Other _____ days

Section 77 (19) See "Mining Claims Assessed" column

Geological _____ days

Geochemical _____ days

Man days

Airborne

Special provision

Ground

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

PA 816727 to 730 inclusive
818472 to 479 inclusive
818509 to 514 inclusive

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Record Holder

NORTHERN DYNASTY EXPLORATION LTD

Township or Area

SEESEEP LAKE AREA

Type of survey and number of Assessment days credit per claim

Mining Claims Assessed

Geophysical:

Electromagnetic _____ days

Magnetometer _____ days

Radiometric _____ days

Induced polarization _____ days

Other _____ days

Section 77 (19) See "Mining Claims Assessed" column

Geological _____ days

Geochemical 4,4 days

Man days

Airborne

Special provision

Ground

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

PA 816727 to 730 inclusive ✓
818472-
818475 to 479 inclusive ✓
818509 to 512 inclusive ✓
818518 ✓
A

Special credits under section 77 (16) for the following mining claims

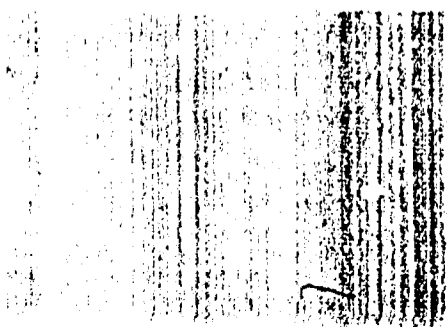
No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

PA 818473-74
818513

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Ontario

Ministry of Northern Affairs and Mines

Technical Assessment Work Credits

File

2,8709

Date 1986 01 21

Mining Recorder's Report of Work No.

85-184

Recorded Holder
NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area
SEESEEP LAKE AREA

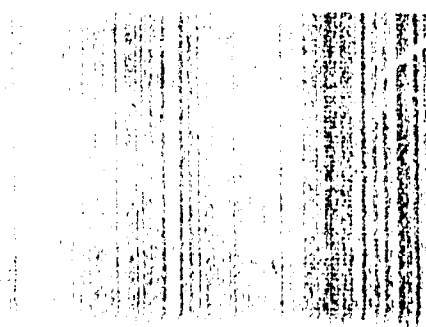
Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$7170.00 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>PA 816727 to 730 inclusive 818472 818475 to 479 inclusive 818509 to 512 inclusive 818514</p> <p>478 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.</p>

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Date 1986 01 21

File No. 2.8709
Mining Recorder's Report of
Work No. 85-185

Recorded Holder
NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area
KEYYASK LAKE AREA

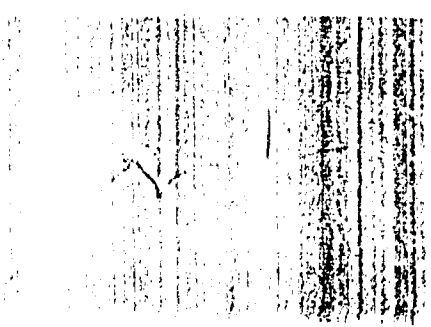
Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>\$9110.00 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:</p> <p>PA 803210-13-14-15-19-20-22-23-24-26 818440 818480 to 494 inclusive</p> <p>607.3 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.</p>

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Recorded Holder
NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area
KEYYASK LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical <u>12.8</u> days Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	PA 803210-13-14-15' 816719-20-22-23-24-26' 818440-80' 818483 to 486 inclusive' 818489 to 493 inclusive' 4

Special credits under section 77 (16) for the following mining claims

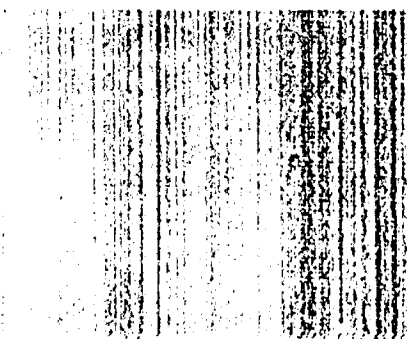
No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

PA 816725

NO GEOLOGY CREDITS AS NO GEOLOGICAL PLANS FILED.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Recorded Holder
 Township or Area
 NORTHERN DYNASTY EXPLORATION LTD
 KEYASK LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 2.8 days	PA 803210
Magnetometer days	816719-20-22
Radiometric days	818440-81-82-83-86-87-88-91-93
Induced polarization days	
Other days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological days	
Geochemical days	
Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input checked="" type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

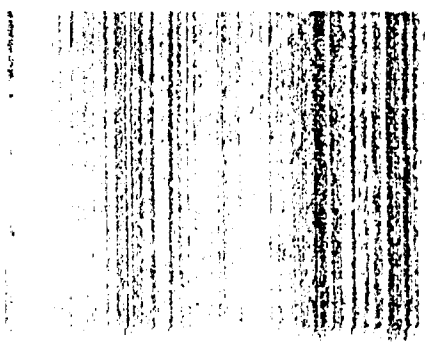
Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

PA 818492

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Recorded Holder
NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area
KEYYASKLAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
Magnetometer <u>3.2</u> _____ days	PA 803213-14-15 816724
Radiometric _____ days	818480-83-86 818489 to 492 inclusive
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

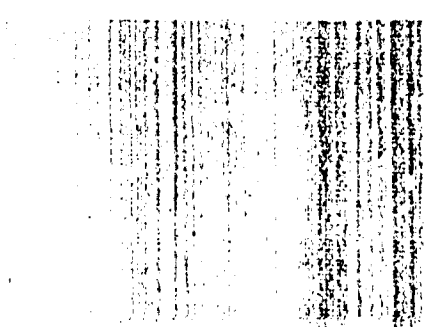
Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

PA 818493

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.





Recorded Holder

NORTHERN DYNASTY EXPLORATIONS LTD

Township or Area

SEESEEP LAKE AREA

Type of survey and number of Assessment days credit per claim

Mining Claims Assessed

Geophysical

Electromagnetic days

Magnetometer days

Radiometric days

Induced polarization days

Other days

Section 77 (19) See "Mining Claims Assessed" column

Geological days

Geochemical days

Man days Airborne

Special provision Ground

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

\$9512.20 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS:

PA 816727 to 730 inclusive
818472-75-76-77-79
818509-10-11-12-14

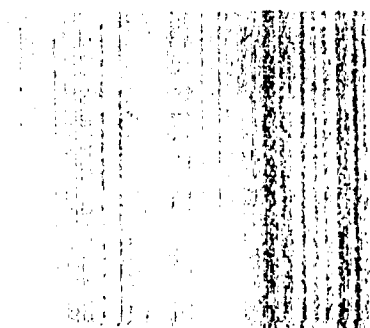
634.1 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980.

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



December 5, 1985

Report Of Work #179 to 184
inclusive

Northern Dynasty Explorations Ltd
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Dear Sirs:

RE: Mining Claims PA 817451, et al,
in the Area of Seeseep Lake

I have not received the reports and maps (in duplicate)
for Geophysical (Magnetometer & Electromagnetic) Geochemical
and Expenditure Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the
Mining Recorder on October 17, 1985 the 60 day period
allowed by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office will
expire on December 15, 1985.

If the material is not submitted to this office by December 15,
1985 I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim record
sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

AB/mc
cc: George Gorzynski
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Mining Recorder
Sioux Lookout, Ontario

Encl.

December 5, 1985

Report Of Work #185 to 189
inclusive

Northern Dynasty Explorations Ltd
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Dear Sirs:

RE: Mining Claims PA 803213, et al,
in the Area of Kéeyask Lake

I have not received the reports and maps (in duplicate)
for Geophysical (Magnetometer & Electromagnetic) Geochemical
and Expenditure Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the
Mining Recorder on October 17, 1985 the 60 day period
allowed by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office will
expire on December 15, 1985.

If the material is not submitted to this office by December 15,
1985 I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim record
sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

AB/mc
cc: George Gorzynski
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Mining Recorder
Sioux Lookout, Ontario

Encl.



NORTHERN DYNASTY EXPLORATIONS LTD.

844 West Hastings Street, Vancouver, B.C. V6C 1G8 (604) 682-3727

December 6, 1985

Mr. Arthur Barr
The Land Management Branch
Mining Lands Section
Whitney Block, Queen's Park
Toronto, Ontario
M7A 1W3

*copy sent to
M.R.*

Dear Mr. Barr:

Please find enclosed two copies of the 1985 assessment report for our Eyapamikama Lake properties (Sioux Lookout District).

You will note the following discrepancies between previously submitted "Report of Work" forms and the enclosed assessment report:

- (1) Geological work (20.3 credits) reported for claim number PA 817453 of the Castor Lake Property. Although a general geological map of the entire property is contained in the report, no detailed map of claim PA 817453 has been submitted. Instead we ask that we be allowed to cover the claim with the excess geochemical expenditure credits presently applied to claim number PA 818500.

Please note that the Ontario Geological Survey has mapped claim PA 817453 in detail. This mapping includes an OGS-sponsored B.Sc. thesis by Beth McLarty.

- (2) Final geochemical expenditures for the Castor Lake and Arseno Lake Properties are slightly different than those previously reported. Please make any adjustments you feel are necessary while keeping the claims in good standing.

I am also submitting a "Report of Work" form for further geochemical expenditures on our McGruer Lake Property. All results related to these extra expenditures are incorporated into the enclosed assessment report.

Thank you,

Yours sincerely,

George Gorzynski



Ministry of
Natural
Resources

Feb. 5/86

1986 01 21

Your Files: 85-133,85-179,85-182,85-184
85-187,85-188 & 85-189
Our File: 2.8709

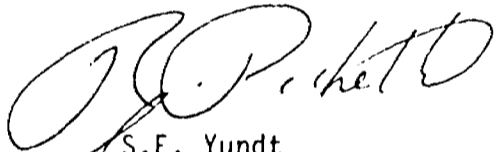
Mining Recorder
Ministry of Northern Development and Mines
P.O. Box 309
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,


S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

AS SH/mc

Encls.

cc: Northern Dynasty Explorations Ltd
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

George Gorzynski
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

845



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1986 01 21

2.8709/85-133	85-184
85-179	85-187
85-182	85-188 & 85-189

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Your Files: 85-183, 85-185 & 85-219
File: 2.8709

1986 01 21

Mining Recorder
Ministry of Northern Development and Mines
P.O. Box 309
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

RE: Assaying submitted under Section 77(19)
of the Mining Act R.S.O. 1980, on Mining
Claims PA 803210, et al, in the Keeyask
Lake and Seeseep Lake Areas

The enclosed statement of assessment work credits
for assaying expenditures has been approved as of
the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-4888

SH/mc

cc: Northern Dynasty Explorations Ltd
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

George Gorzynski
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Resident Geologist
Sioux Lookout, Ontario

Encl.

February 21, 1986

Your Files: 85-133,85-179,85-182,
85-184,85-187,85-188,
85-189
Our File: 2.8709

Mining Recorder
Ministry of Northern Development and Mines
P.O. Box 309
Sioux Lookout, Ontario
POY 2T0

Dear Sir:

RE: Notice of Intent dated January 21, 1986
Geophysical (Electromagnetic & Magnetometer)
Geochemical and Geological Surveys and Data
for Adsayng on Mining Claims PA 8u3210, et al,
in the Keyask Lake and Seeseep Lake Areas

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yunit, Director
Land Management Branch

Mining Lands Section
Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 966-4888

SH/mc

cc: Northern Dynasty Explorations Ltd
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

George Gorzynski
844 West Hastings Street
Vancouver, B.C.
V6C 1C8

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Sioux Lookout, Ontario

Encl.



FOR ADDITIONAL

INFORMATION

SEE MAPS:

53B/15NW-0019 # 1-18

KEYYASK LAKE

DISTRICT OF
KENORA
PATRICIA PORTION

RED LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE C.S.
- LEASES L
- LOCATED LAND Loc
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS =
- KING'S HIGHWAYS =
- RAILWAYS =
- POWER LINES =
- MARSH OR MUSKEG =
- MINES X
- CANCELLED C.

NOTES

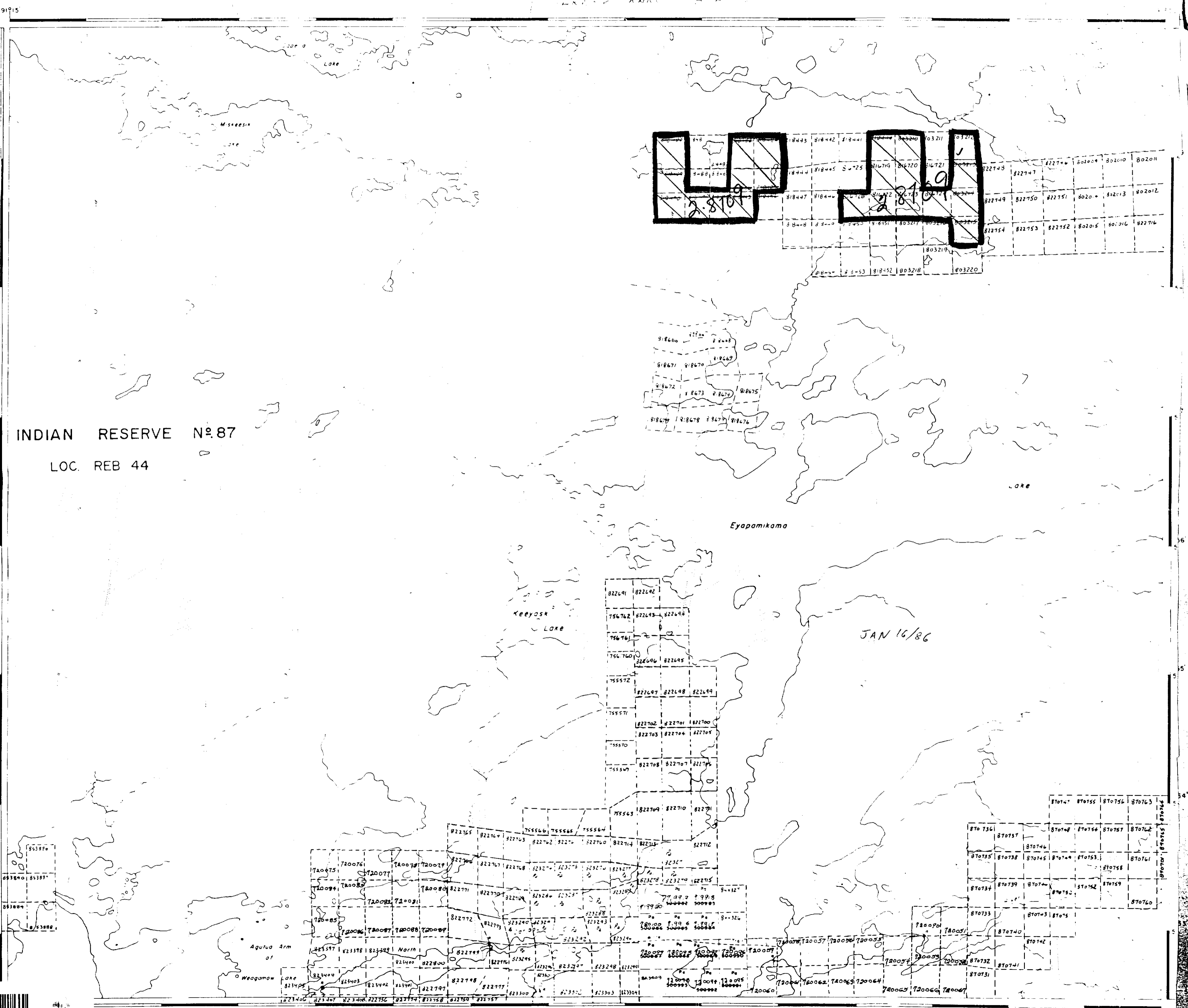
400' Reserve around all Lakes & Rivers
to Dept. of Lands & Forests.

This map is not to be used for survey
purposes.

53B/14NE

PLANING M-2684

DEPARTMENT OF MINES



INDIAN RESERVE No. 87
LOC. REB 44

53B/15NW-0019, #18



550

505

Area Not Mapped

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	○
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1912, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1979, CHAP. 300, SEC. 53, SUBSEC. 1.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
Sept. 1/84				
Oct 12/84				
JAN. 15/85				
JAN. 30/85				
Apr 21/85				
Apr 21, 85				

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

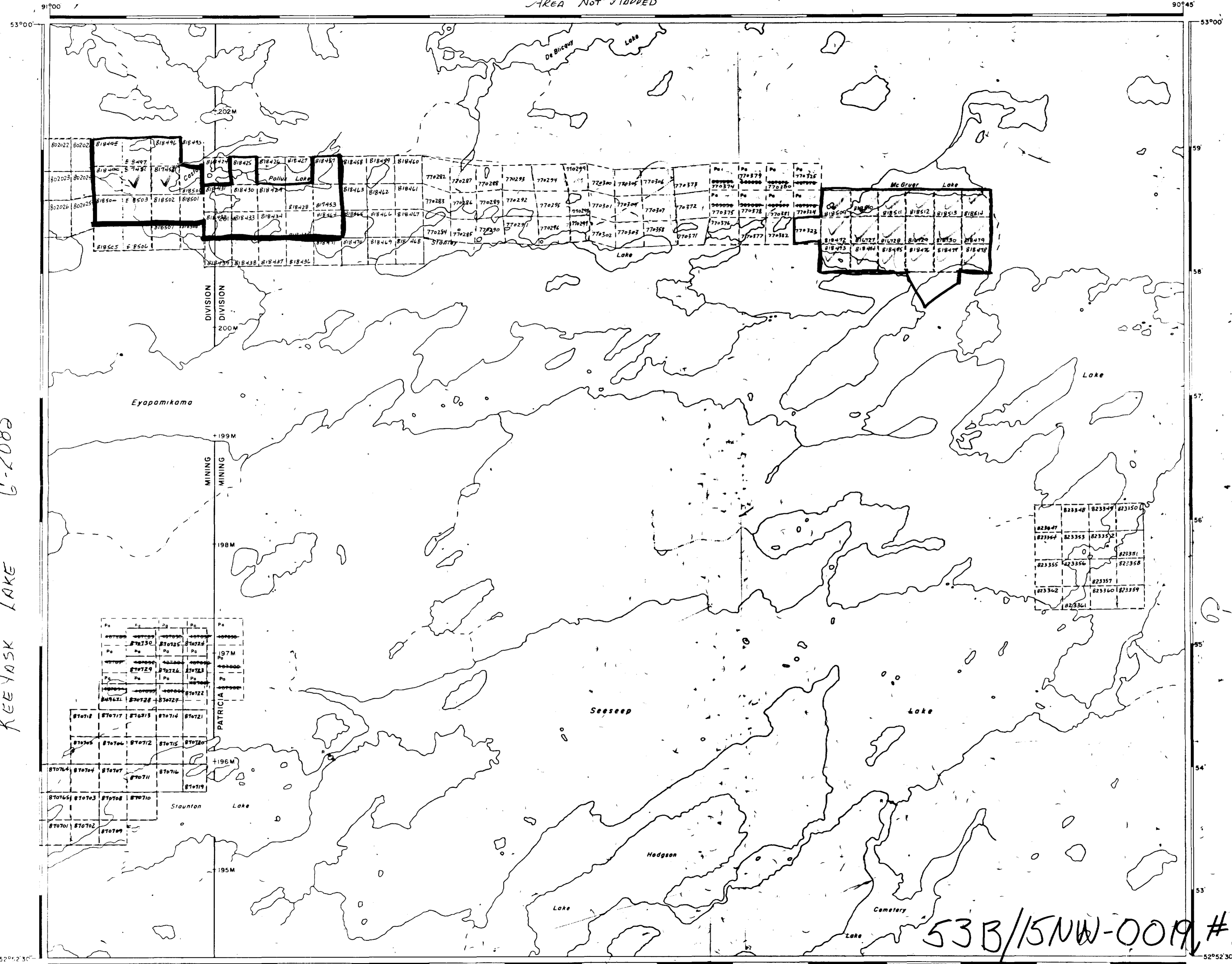
METRES 0 200 1000 2000 4000 8000

NOV-2-85

AREA
SEESEEP LAKE
 M.N.R. ADMINISTRATIVE DISTRICT
 SIOUX LOOKOUT
 MINING DIVISION
 PATRICIA
 LAND TITLES / REGISTRY DIVISION
 KENORA (PATRICIA PORTION)

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date FEBRUARY, 1989
 Number G-2204



KEEVASK LAKE G-2085
KEEVASK LAKE G-2085

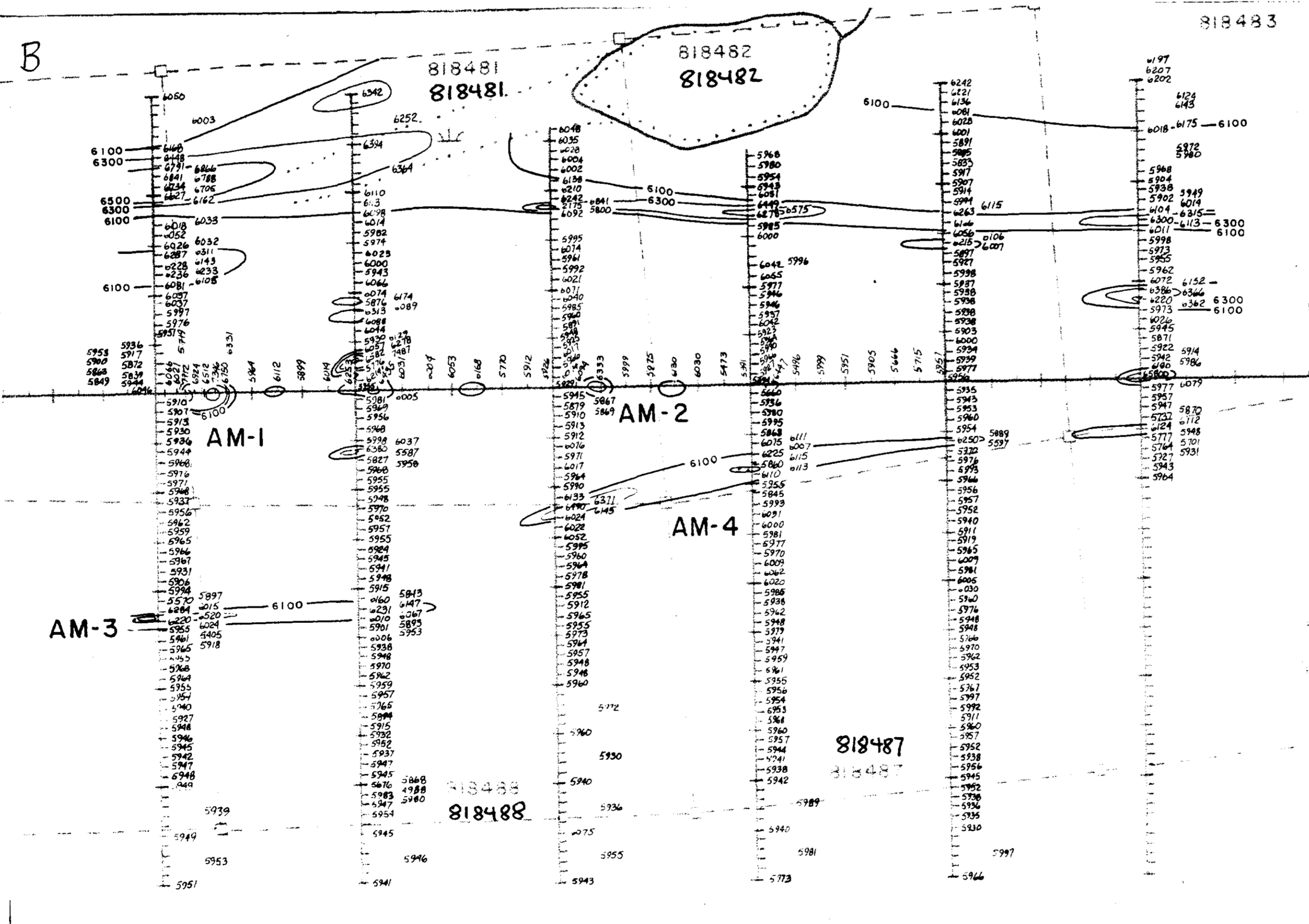
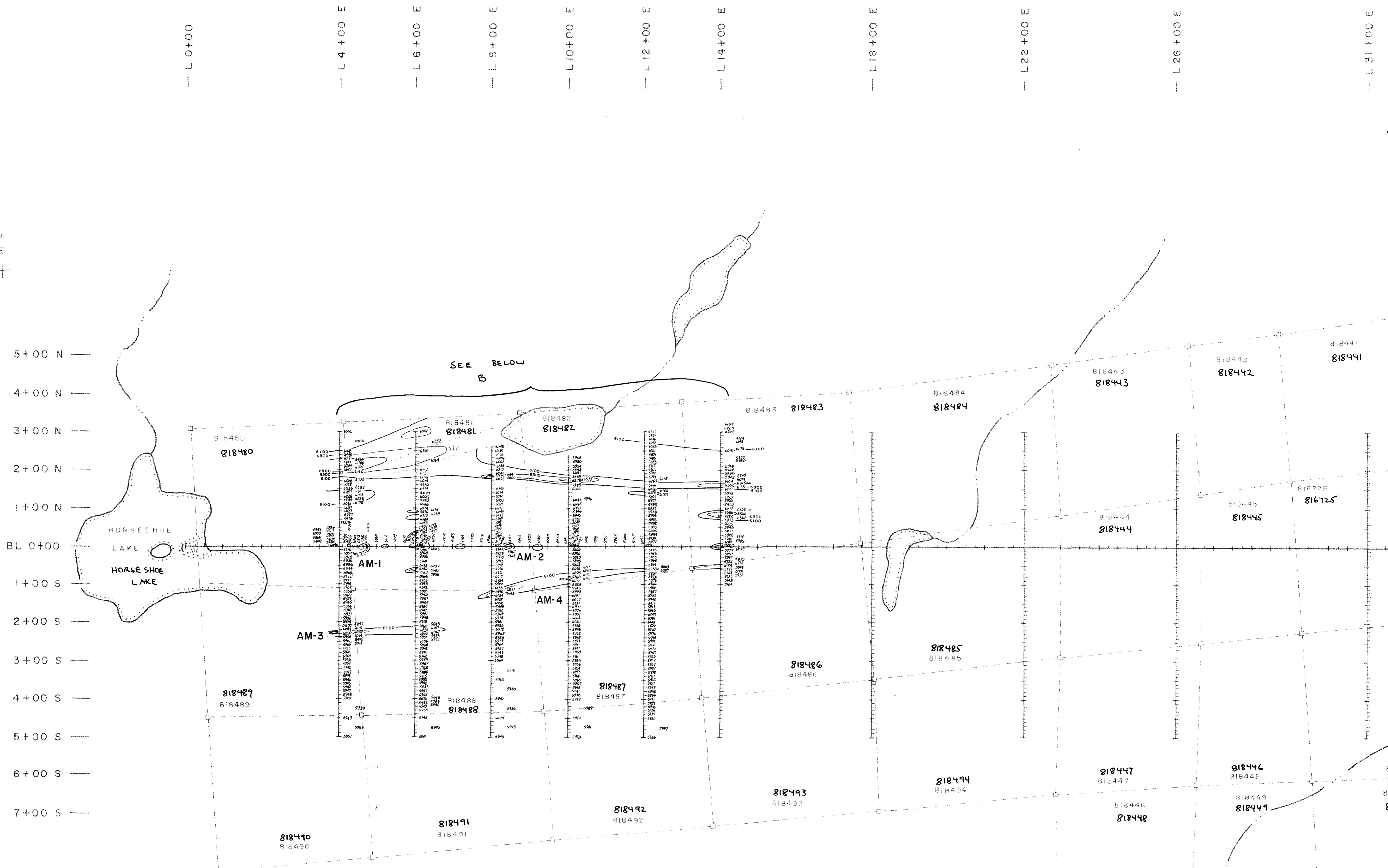
ERICHSEN LAKE G-2029

53B/15NW-0019 #17

CEMETERY LAKE G-1989 CEMETERY LAKE



52° 59' 20" N
31° 07' E



LEGEND:

- MUSKEG
- SWAMP
- CREEK
- CLAIM CORNER & LINES
- CLAIM NUMBER
- CUT GRID LINES (10 metre stations)
- MAGNETOMETER READING IN GAMMAS (x10)
- MAGNETOMETER CONTOUR INTERVAL - 6100, 6300, 6500 & 7000 GAMMAS (x10)

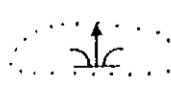
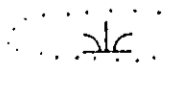
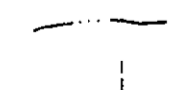

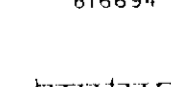
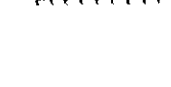
INSTRUMENT USED SINTREX MFD 2 DIGITAL FLUXGATE MAGNETOMETER

53B/15NW-0019, #1





LEGEND:

-  MUSKOG
-  SWAMP
-  CREEK
-  CLAIM CORNER & LINES
-  CLAIM NUMBER
-  CUT GRID LINES (10 metre stations)

0.2 INPHASE VALUE IN DEGREES, QUADRATURE VALUE IN PERCENT

TRANSMITTER STATION: CUTTLER, MAINE, U.S.A.
INSTRUMENT USED: GEONICS RONKA EM-16


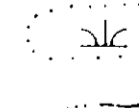
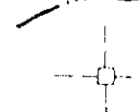
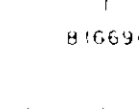

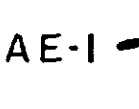
APPROXIMATE GEOLOGIC CONTACTS






52°59'20" +
81°07'



LEGEND:

-  MUSKEG
-  SWAMP
-  CREEK
-  CLAIM CORNER & LINES
-  CLAIM NUMBER
-  CUT GRID LINES (10 metre stations)

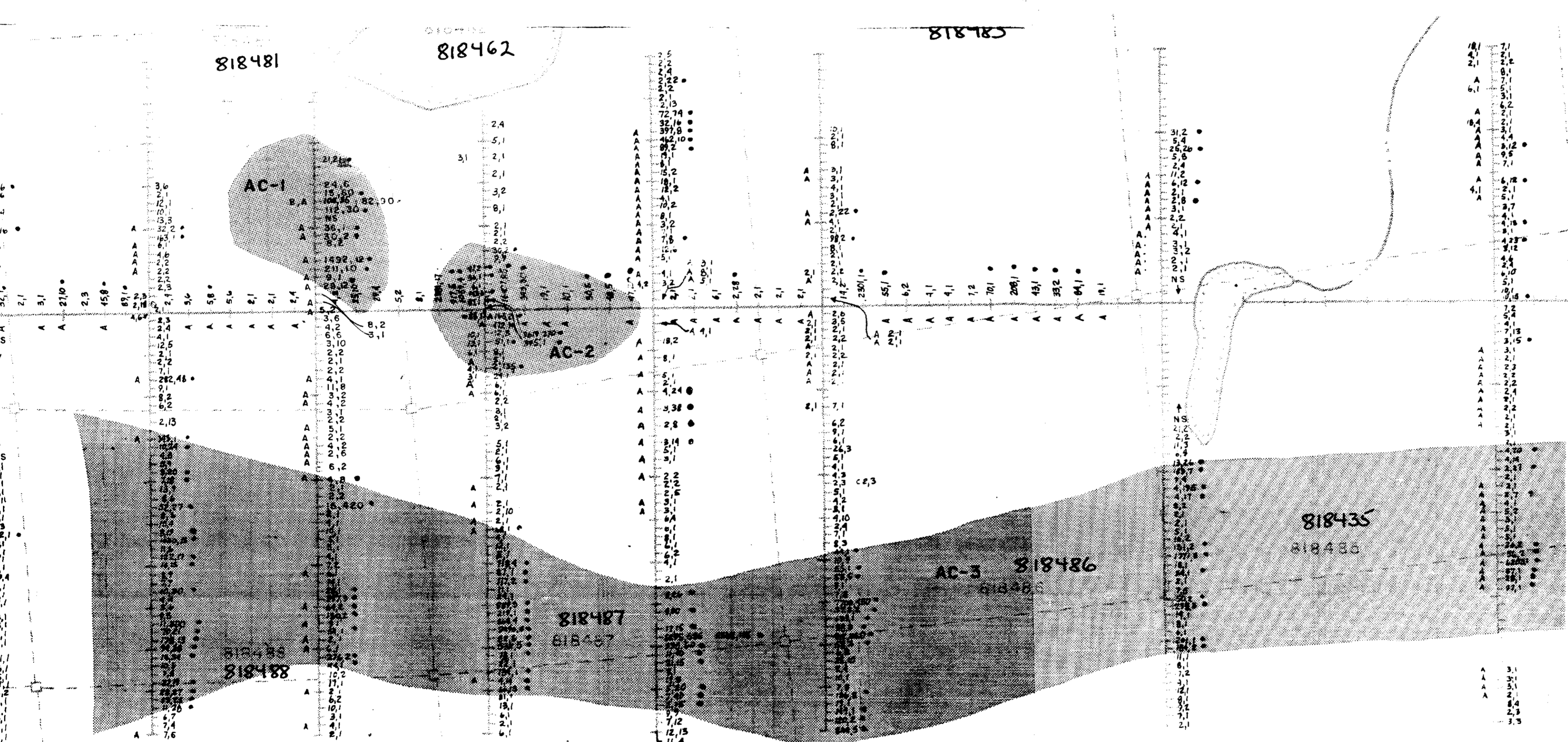
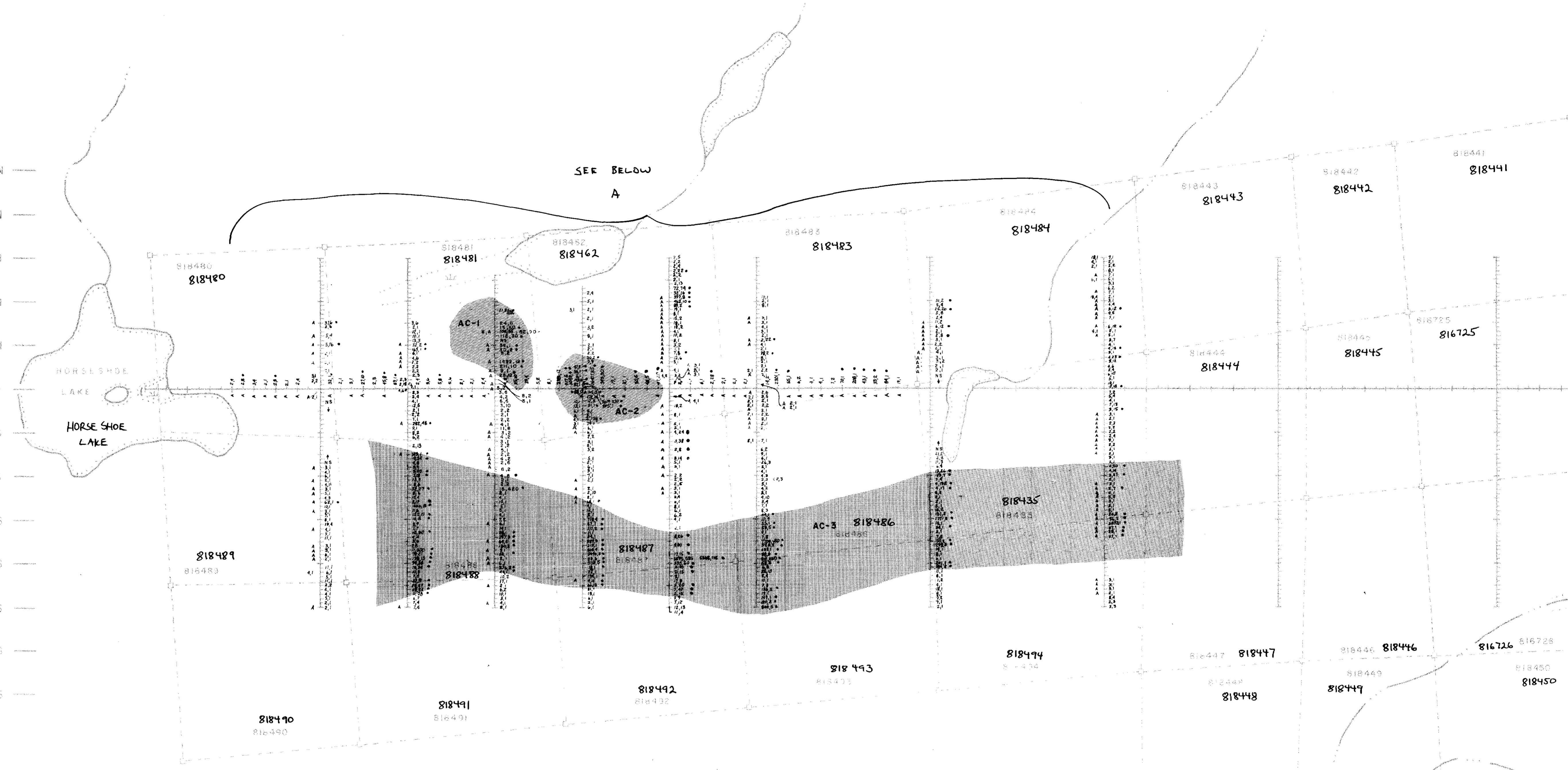
-  AE-1 — EM CONDUCTOR TRACE
-  --- QUADRATURE POINT PLOT (SCALE 1cm=10%)
-  --- INPHASE POINT PLOT (SCALE 1cm=10%)

TRANSMITTER STATION: CUTTLER, MAINE, U.S.A.
INSTRUMENT USED : GEONICS RONKA EM-16



L 0+00 E L 4+00 E L 6+00 E L 8+00 E L 10+00 E L 12+00 E L 14+00 E L 16+00 E L 18+00 E L 22+00 E L 26+00 E L 31+00 E

5+00 N
4+00 N
3+00 N
2+00 N
1+00 N
BL 0+00
1+00 S
2+00 S
3+00 S
4+00 S
5+00 S
6+00 S
7+00 S



LEGEND:

- MUSKEG
- SWAMP
- CREEK
- CLAIM CORNER & LINES
- CLAIM NUMBER
- CUT GRID LINES (10 metre stations)

SOIL SAMPLE WITH As in p.p.m. & Au in p.p.b. (* = ANOMALOUS SAMPLES)
AN 'A' INDICATES A-SOIL HORIZON, ALL OTHER SAMPLES ARE B-SOIL HORIZON

MAIN ANOMALOUS TRENDS


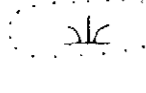

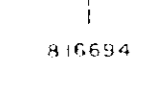
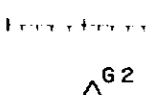



SOIL ANOMALY THRESHOLDS		
	Au(ppb)	As(ppm)
A-HORIZON	7	20
B-HORIZON	15	30

53B/15NW-0019, #4



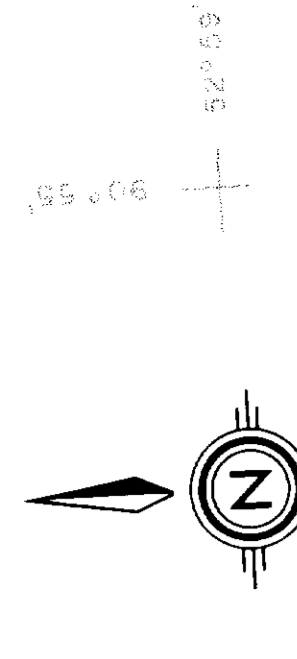


LEGEND:

-  MUSKEG
-  SWAMP
-  CREEK
-  CLAIM CORNER & LINES
-  CLAIM NUMBER
-  CUT GRID LINES (10 metre stations)
-  SOIL SAMPLE LOCATION AND NUMBER
-  ROCK SAMPLE LOCATION AND NUMBER



ASTRONOMIC



W L 47+00 W L 45+00 W L 43+00 W L 41+00 W L 39+00 W L 37+00 W L 35+00 W L 33+00 W L 31+00 W L 29+00 W L 27+00 W L 25+00 W L 23+00 W L 21+00 W L 19+00 W L 17+00 W L 15+00 W L 13+00 W L 11+00 W L 9+00 W L 7+00 W L 5+00 W L 3+00 W L 1+00 E



5+00 N
4+00 N
3+00 N
2+00 N
1+00 N
0+00
1+00 S
2+00 S
3+00 S
4+00 S
5+00 S
6+00 S

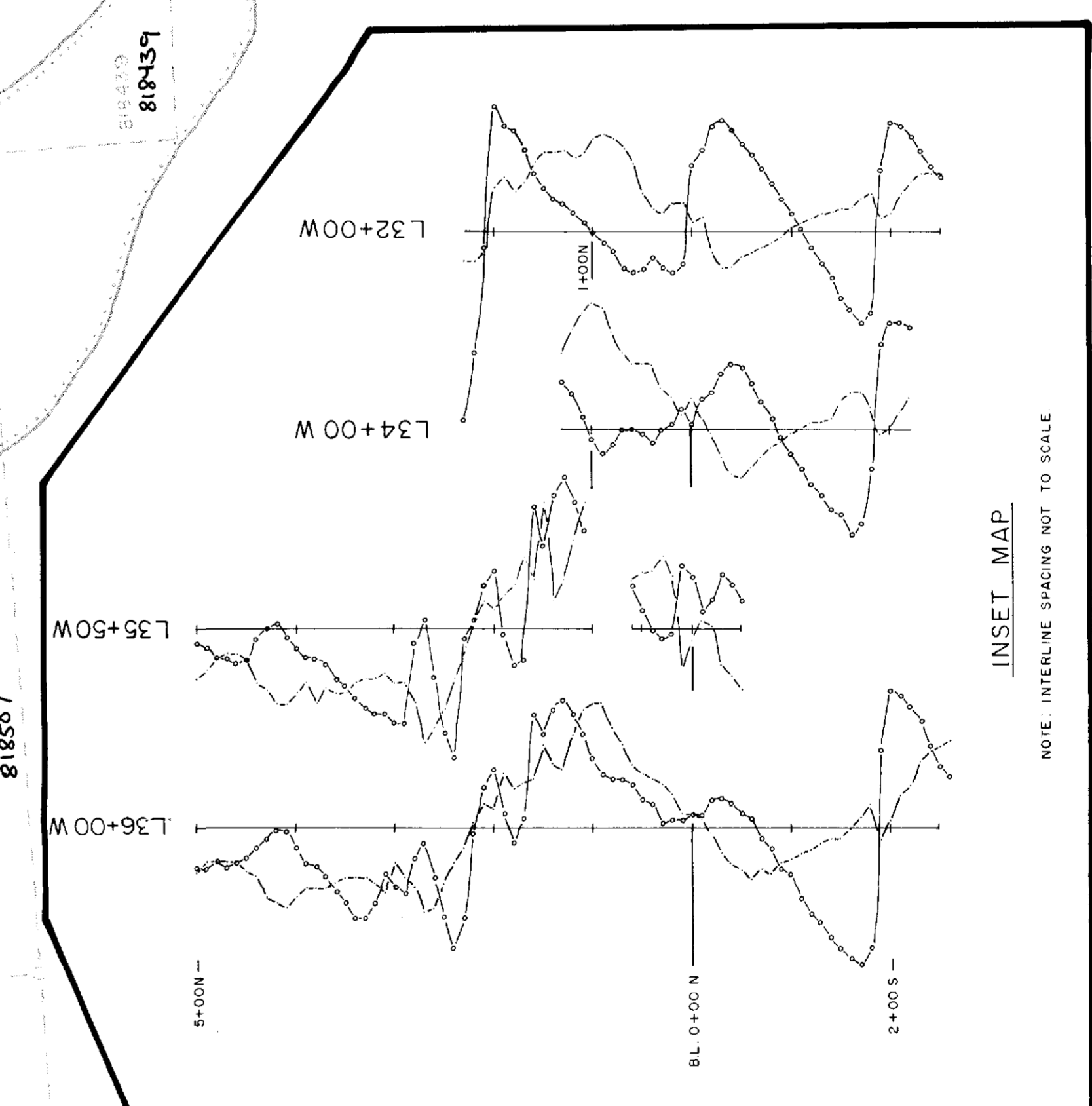
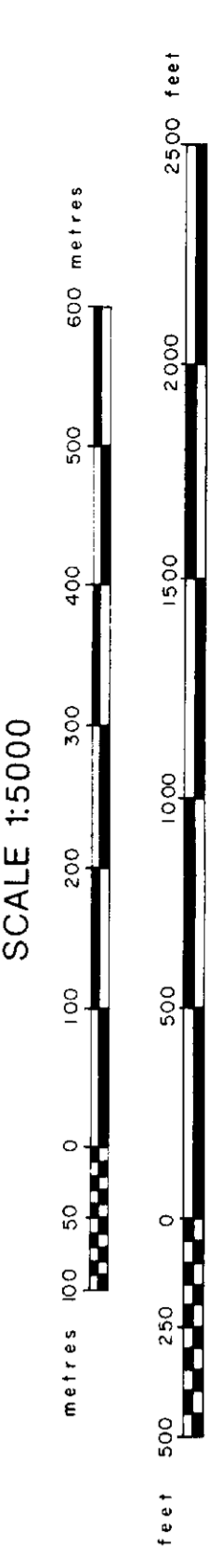
6088

ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
CASTOR LAKE CLAIM BLOCK

GROUND ELECTROMAGNETIC SURVEY - PROFILES

NTS:53B/15, SEESEEP LAKE G-2204

SCALE 1:5000



LEGEND:

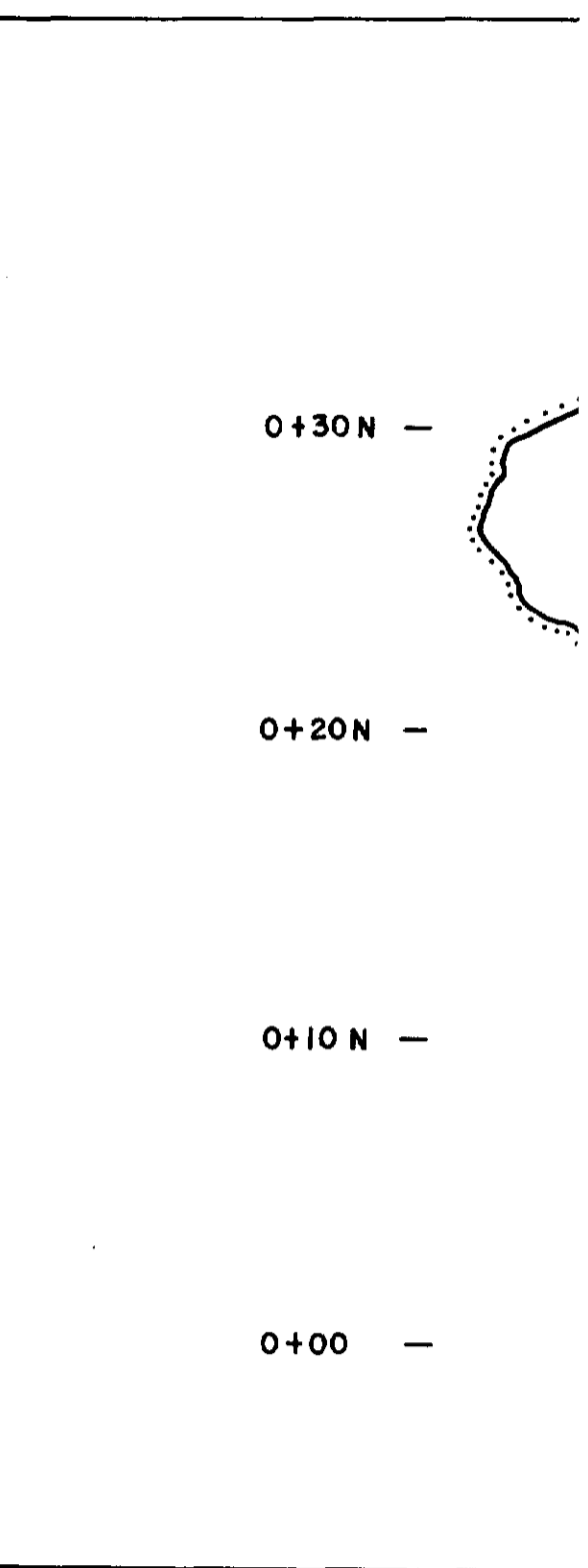
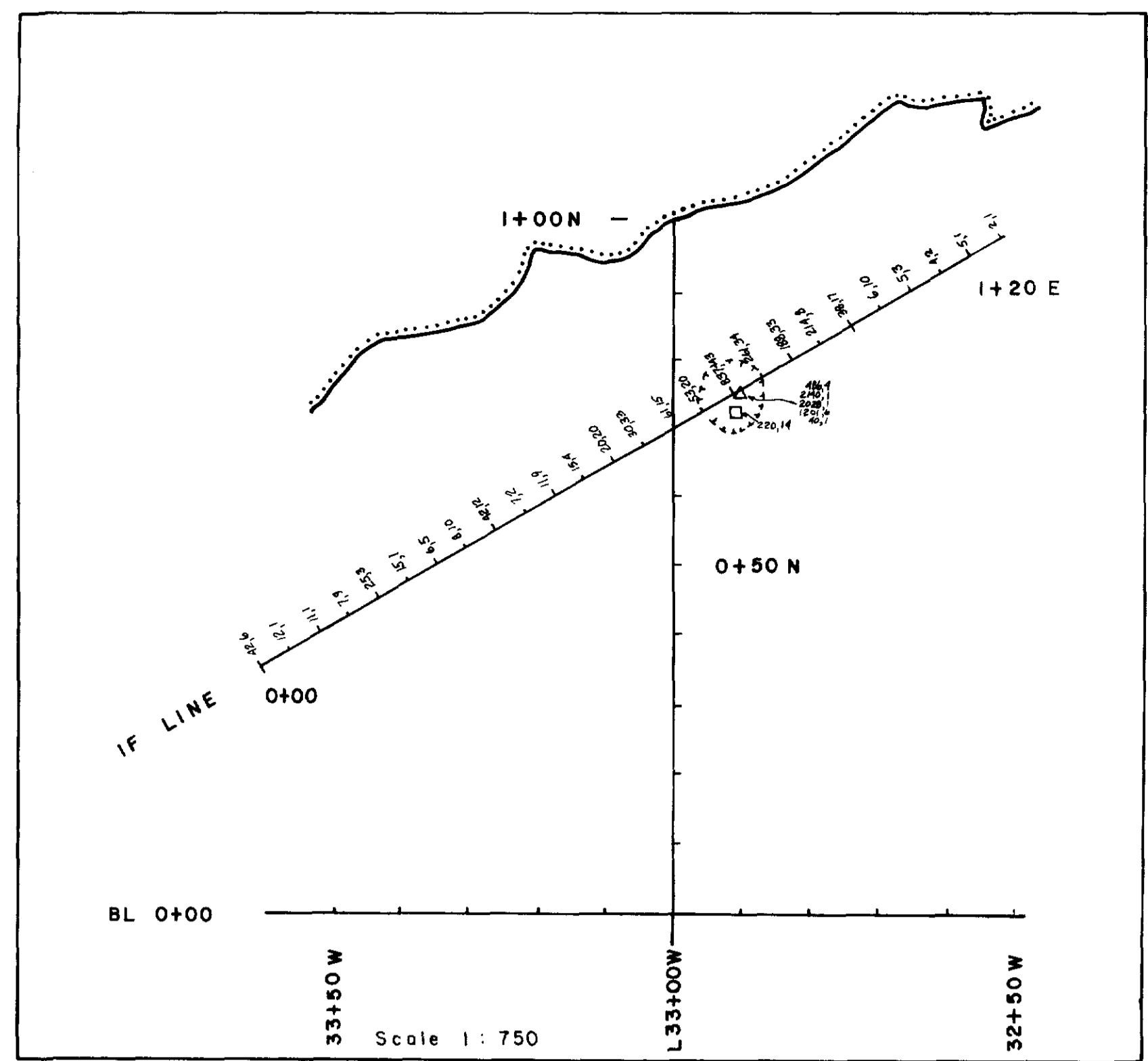
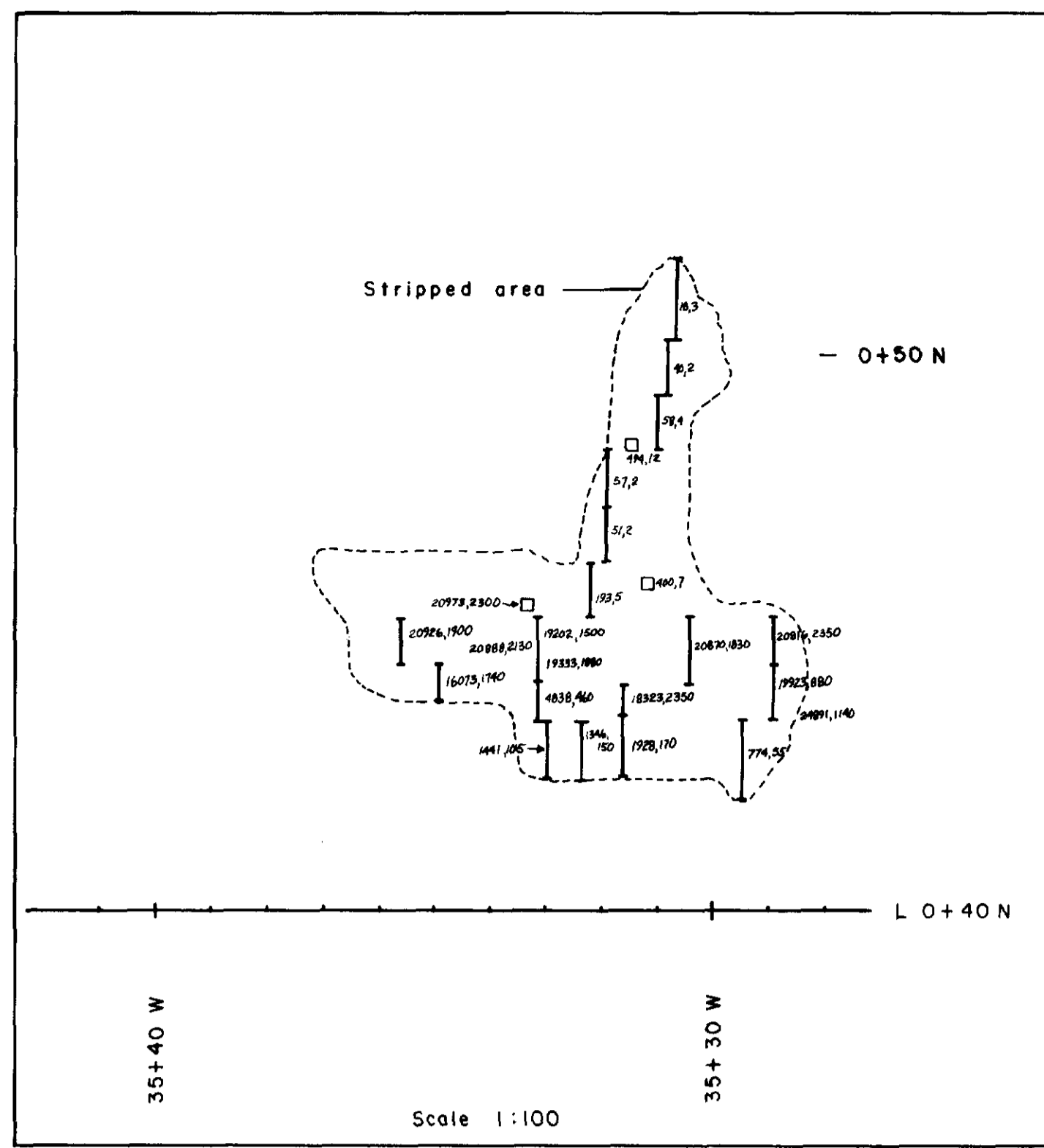
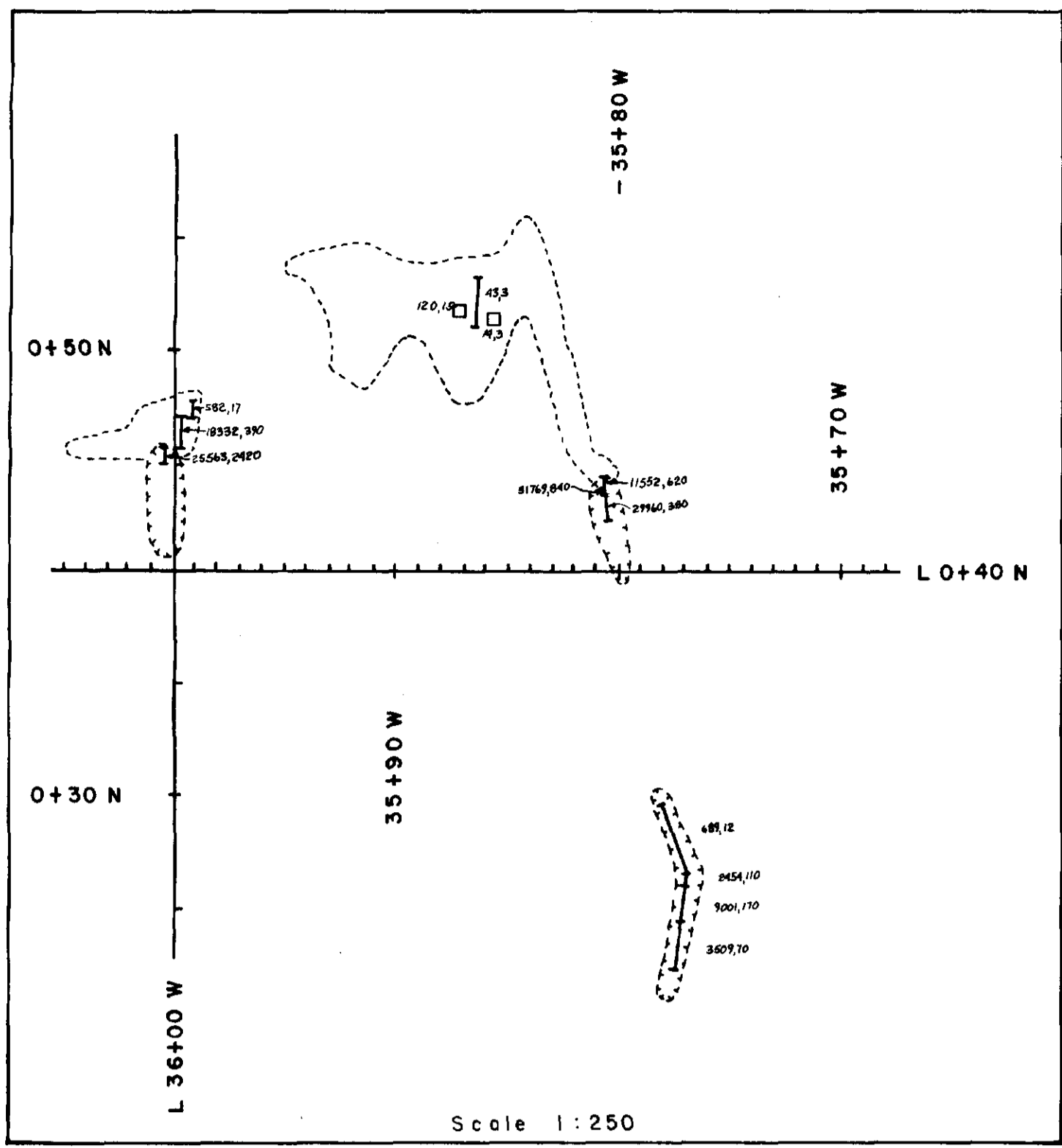
- MUSKEG
- SWAMP
- CREEK
- CLAIM CORNER & LINES
- CLAIM NUMBER
- CUT GRID LINES (10 metre stations)
- INPHASE PROFILE (1 cm - 10 m)
- QUADRATURE PROFILE (1 cm - 10 m)
- EM CONDUCTOR TRACE
- TRANSMITTER: CUTLER, MAINE, U.S.A.
- INSTRUMENT: GEONICS RONKA EM-16

53B/15 NW-0019 #9

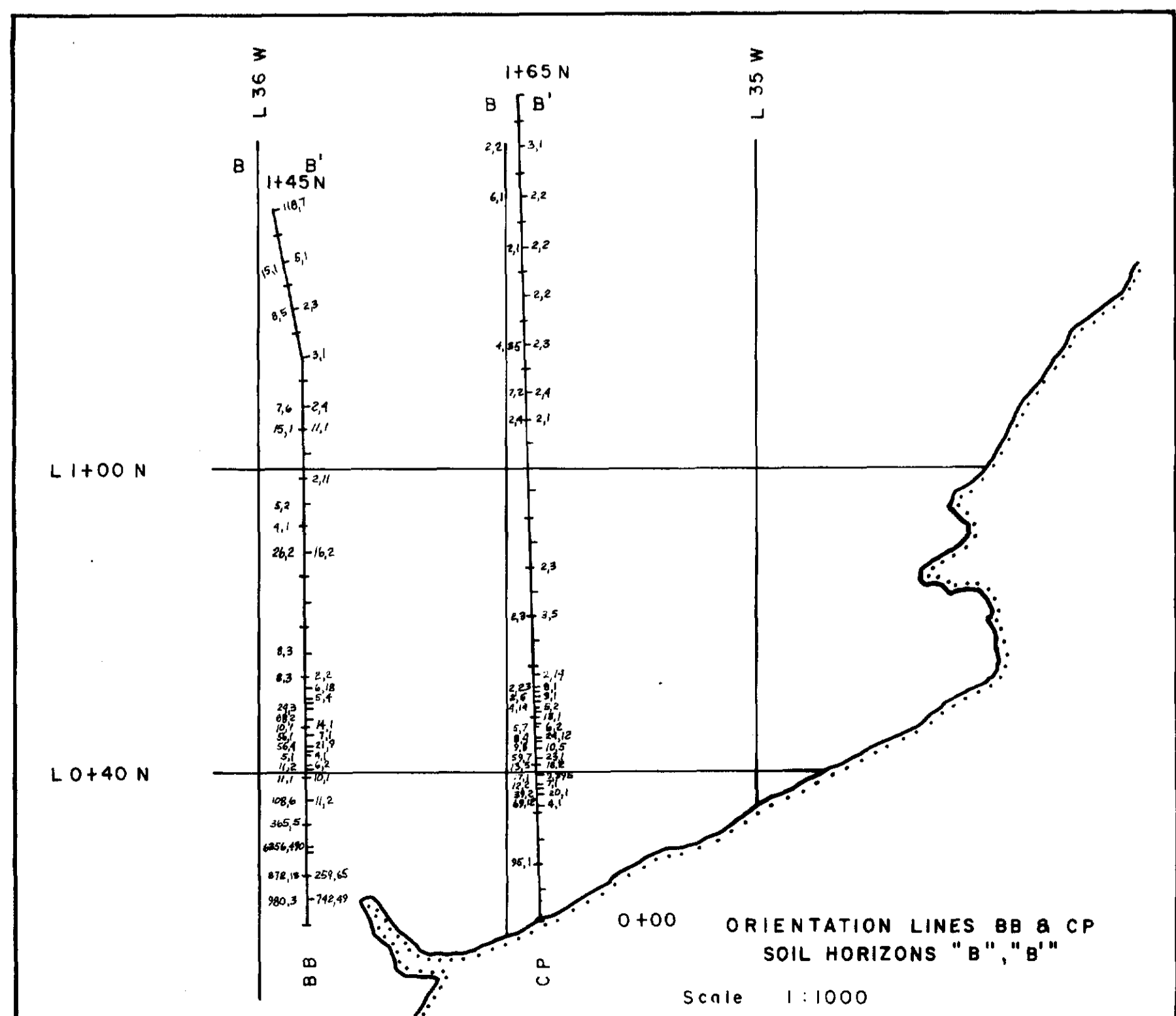
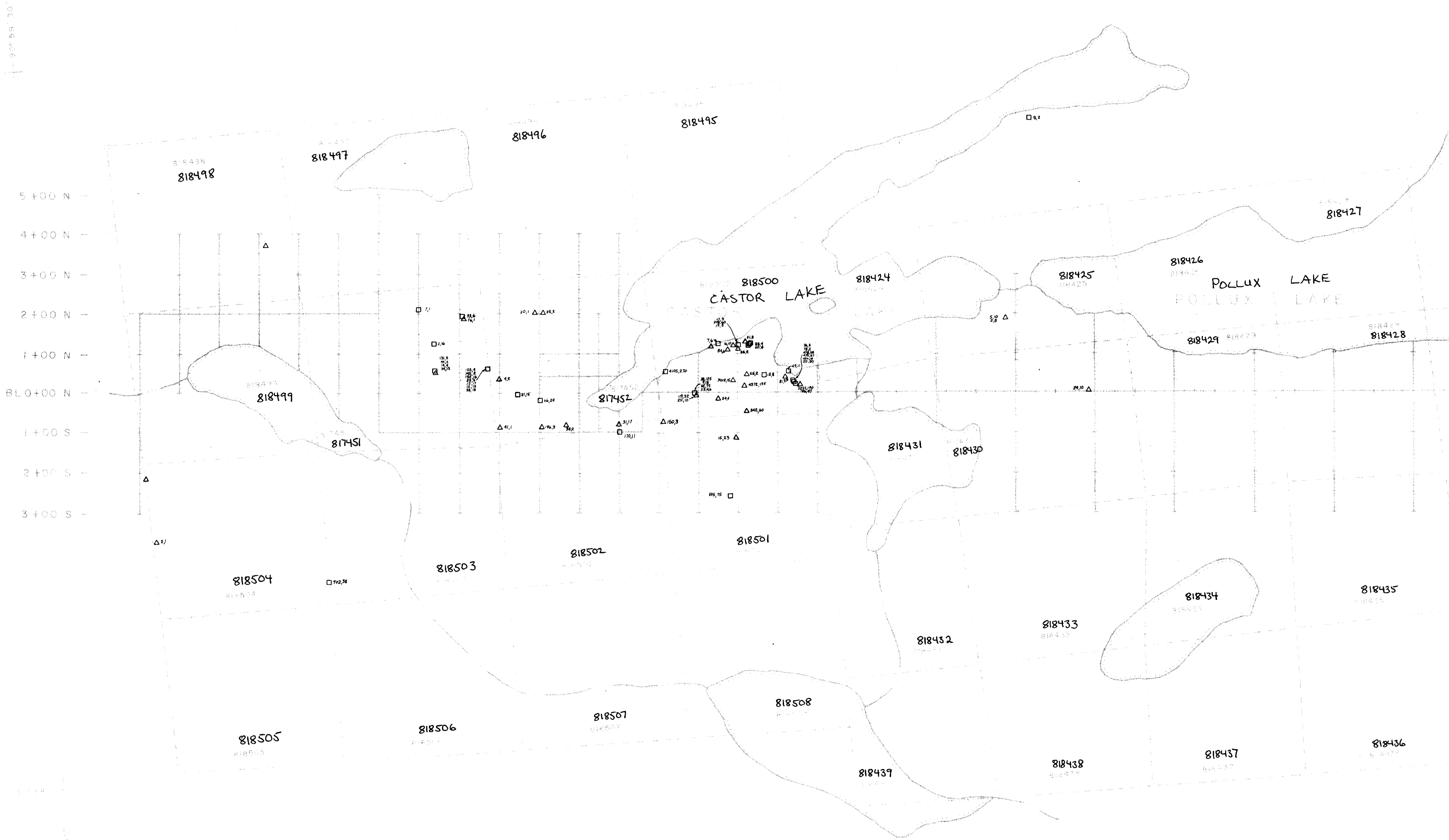
JULY-SEPTEMBER 1985

PLATE 9





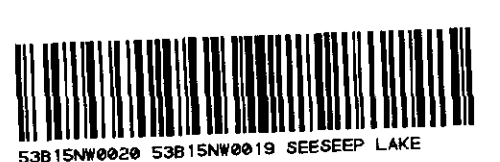
- L 47+00 W
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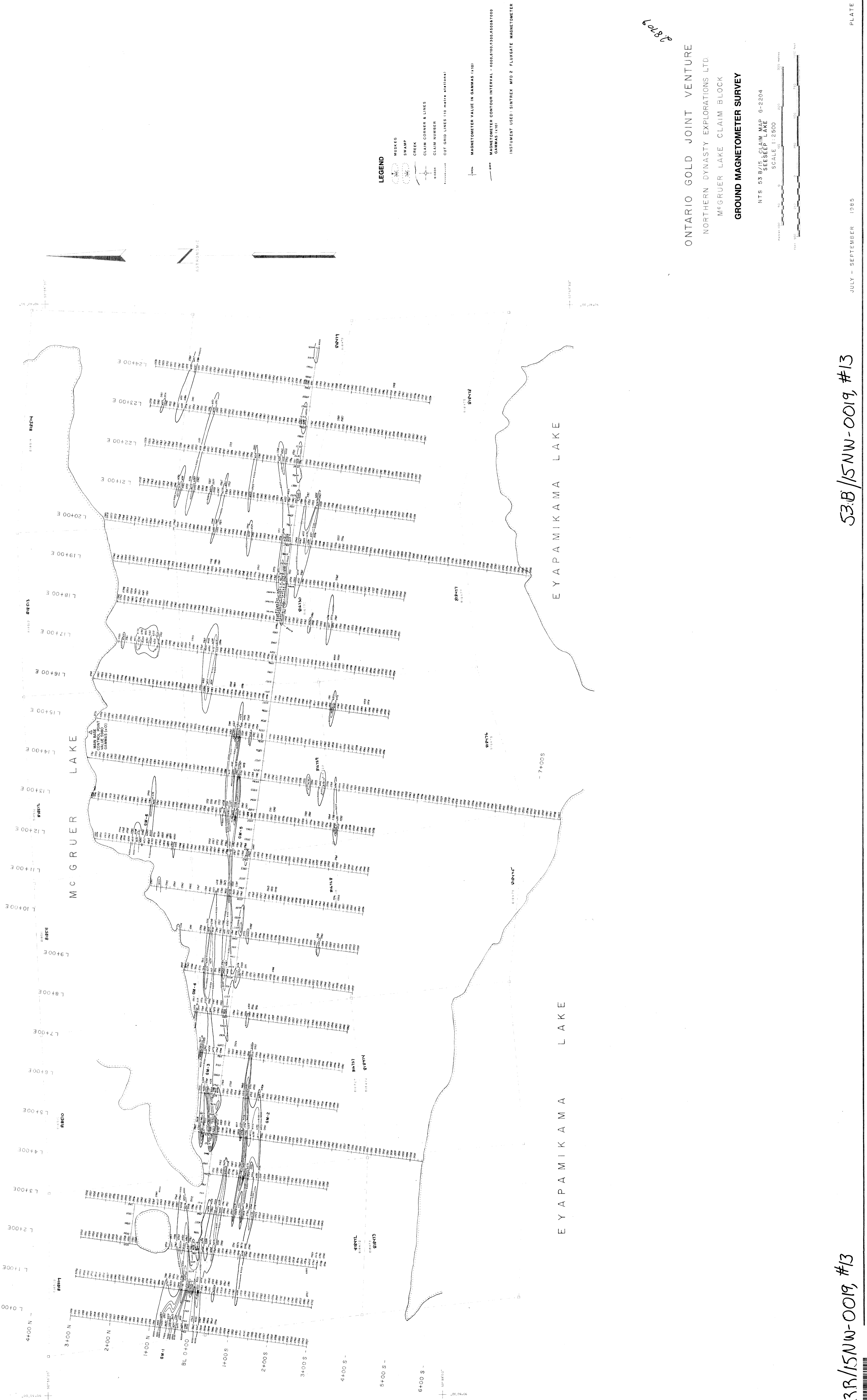


LEGEND

- MUSKEG
- SWAMP
- CREEK
- CLAIM CORNER & LINES
- CLAIM NUMBER
- CUT GRID LINES (10 metre stations)
- SOIL SAMPLE LOCATION WITH As IN ppm AND Au IN ppb
- ROCK SAMPLE LOCATION WITH As IN ppm AND Au IN ppb
- STREAM SEDIMENT SAMPLE LOCATION WITH As IN ppm AND Au IN ppb
- CHANNEL SAMPLE LOCATION WITH As IN ppm AND Au IN ppb
- STRIPPED AREA
- TRENCH OR PIT

53B/15N





28707

ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
McGRUER LAKE CLAIM BLOCK
GROUND MAGNETOMETER SURVEY

53B/15NW-0019, #13

53B/15NW-0019, #13

JULY - SEPTEMBER 1985

PLATE 13



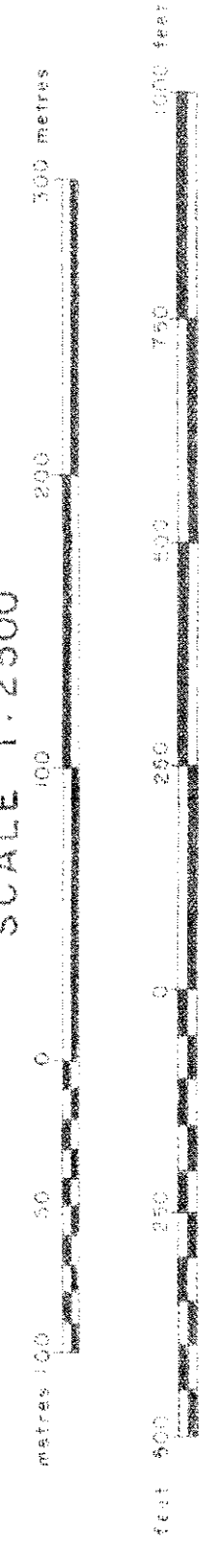
53B/15NW-0019, #14

ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD
McGRUER LAKE CLAIM BLOCK

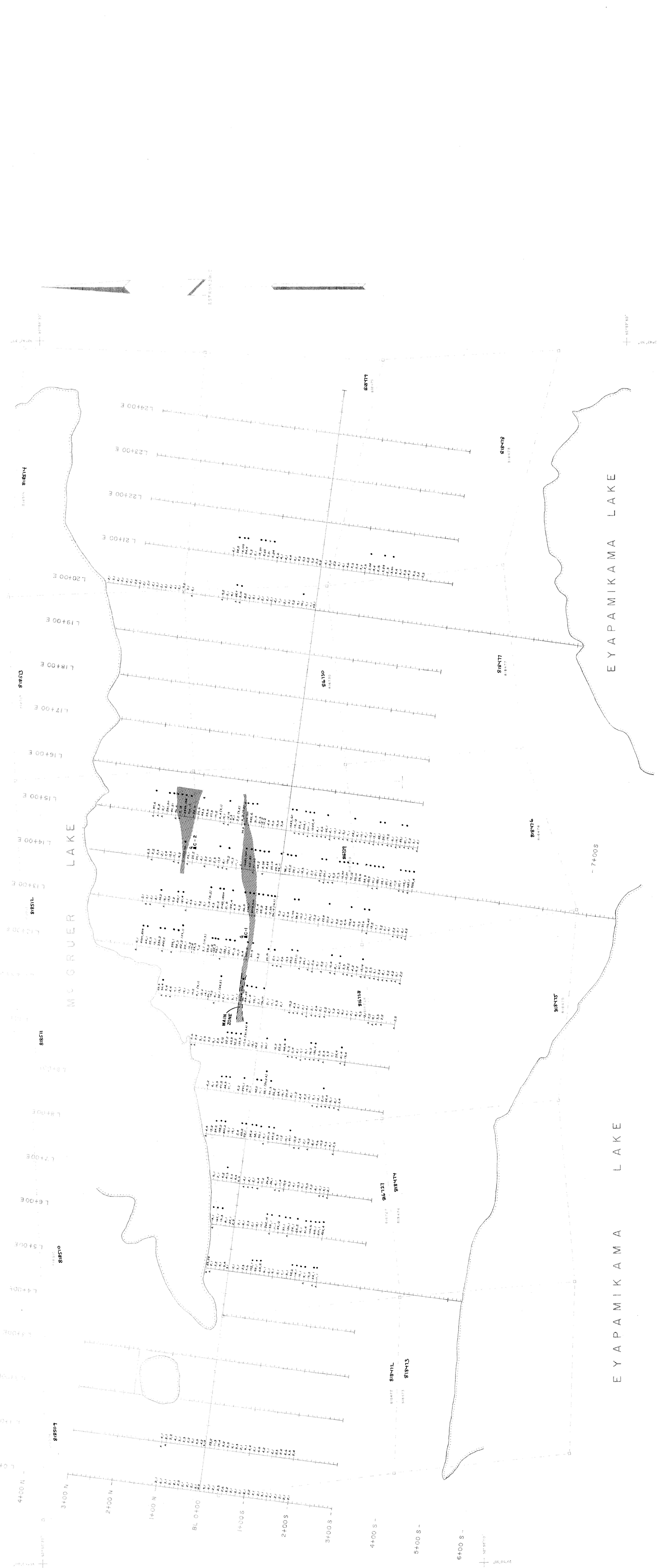
As-Au GRID SOIL GEOCHEMISTRY

NTS 53 B/15E CLAIM MAP 6-2204
SEESEEP LAKE

SCALE 1:2500



60.80



LEGEND

- MUSKEG
- SWAMP
- CREEK
- CLAIM CORNER & LINES
- SHED
- CUT GRID LINES (10 METE STATIONS)

SOIL SAMPLE LINE WITH A IN P.P.M. B Au IN P.P.B. (1 = ANOMALOUS SAMPLES)
AN 'A' INDICATES A-SOIL HORIZON, ALL OTHER SAMPLES ARE B-SOIL HORIZON.

SOIL ANOMALY THRESHOLDS

	Au (ppb)	As (ppm)
A-HORIZON	7	20
B-HORIZON	15	30

53B/15NW-0019, #14



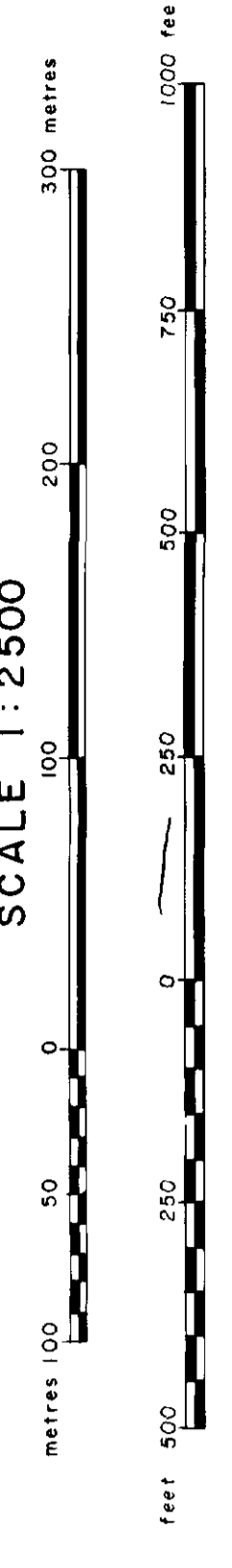
53B/15NW-0019, #15



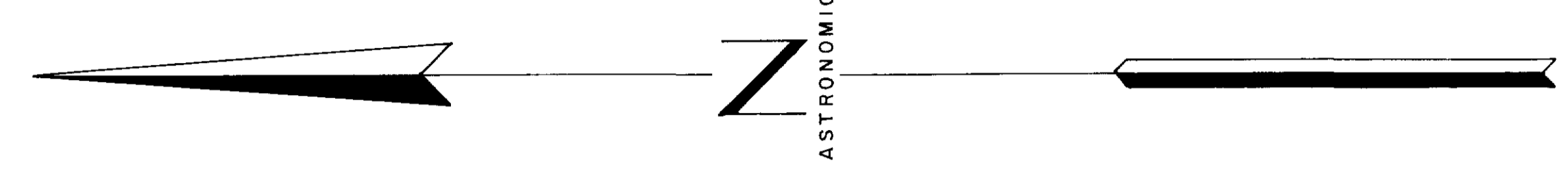
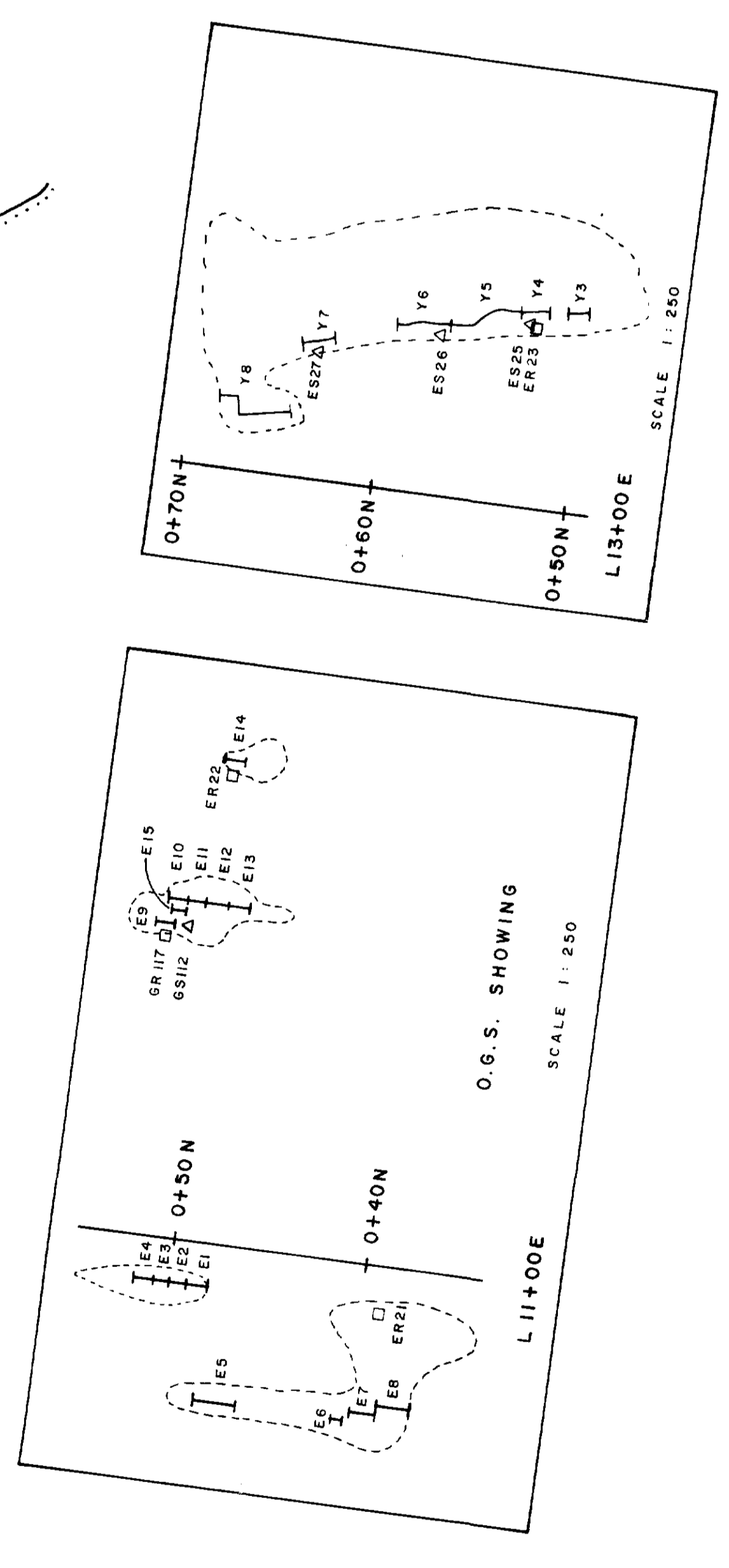
6200

ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 McGRUER LAKE CLAIM BLOCK
 SAMPLE LOCATION MAP

NTS 53 B/15E CLAIM MAP G-2204
 1:2500
 SCALE 1:2500



- LEGEND**
- CLAIM CORNER, CLAIM LINE, CLAIM NUMBER
 - - - CUT GRID LINE WITH ID MARK STATIONS
 - CHANNEL SAMPLE AND NUMBER
 - ROCK SAMPLE AND NUMBER
 - SOIL SAMPLE AND NUMBER
 - STRIPPED AREA (on insets only)
- NOTE: 1994 samples have two letters preceding number (eg. 8881)
- APPROXIMATE GEOLOGIC CONTACT



EYAPAMIKAMA LAKE

EYAPAMIKAMA LAKE

McGRUER LAKE

4400 N
 4300 N
 4200 N
 4100 N
 4000 N
 3900 N
 3800 N
 3700 N
 3600 N
 3500 N
 3400 N
 3300 N
 3200 N
 3100 N
 3000 N
 2900 N
 2800 N
 2700 N
 2600 N
 2500 N
 2400 N
 2300 N
 2200 N
 2100 N
 2000 N
 1900 N
 1800 N
 1700 N
 1600 N
 1500 N
 1400 N
 1300 N
 1200 N
 1100 N
 1000 N
 900 N
 800 N
 700 N
 600 N
 500 N
 400 N
 300 N
 200 N
 100 N
 0+00

L2400 E
 L2300 E
 L2200 E
 L2100 E
 L2000 E
 L1900 E
 L1800 E
 L1700 E
 L1600 E
 L1500 E
 L1400 E
 L1300 E
 L1200 E
 L1100 E
 L1000 E
 L900 E
 L800 E
 L700 E
 L600 E
 L500 E
 L400 E
 L300 E
 L200 E
 L100 E
 0+00

BL 0+00
 1+00 S
 2+00 S
 3+00 S
 4+00 S
 5+00 S
 6+00 S

81822
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 81898
 81899
 81900

38°58'00"
 38°59'00"
 39°00'00"

90°42'30"
 90°43'00"
 90°43'30"

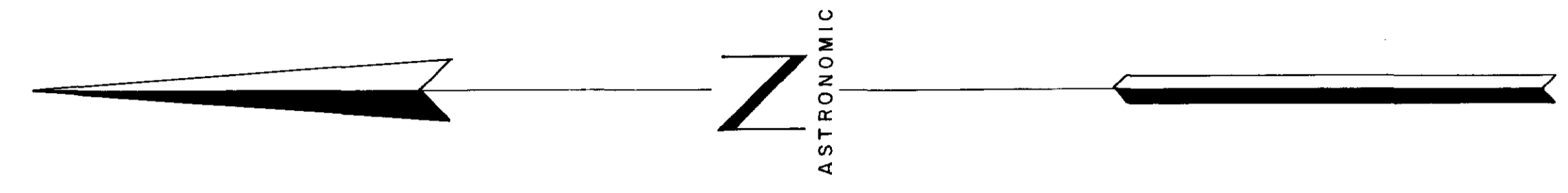
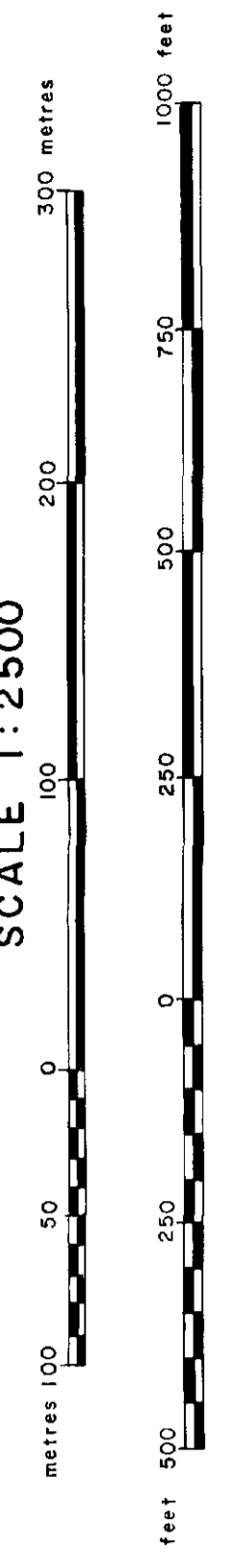
53B/15NW-0019, #16



18709

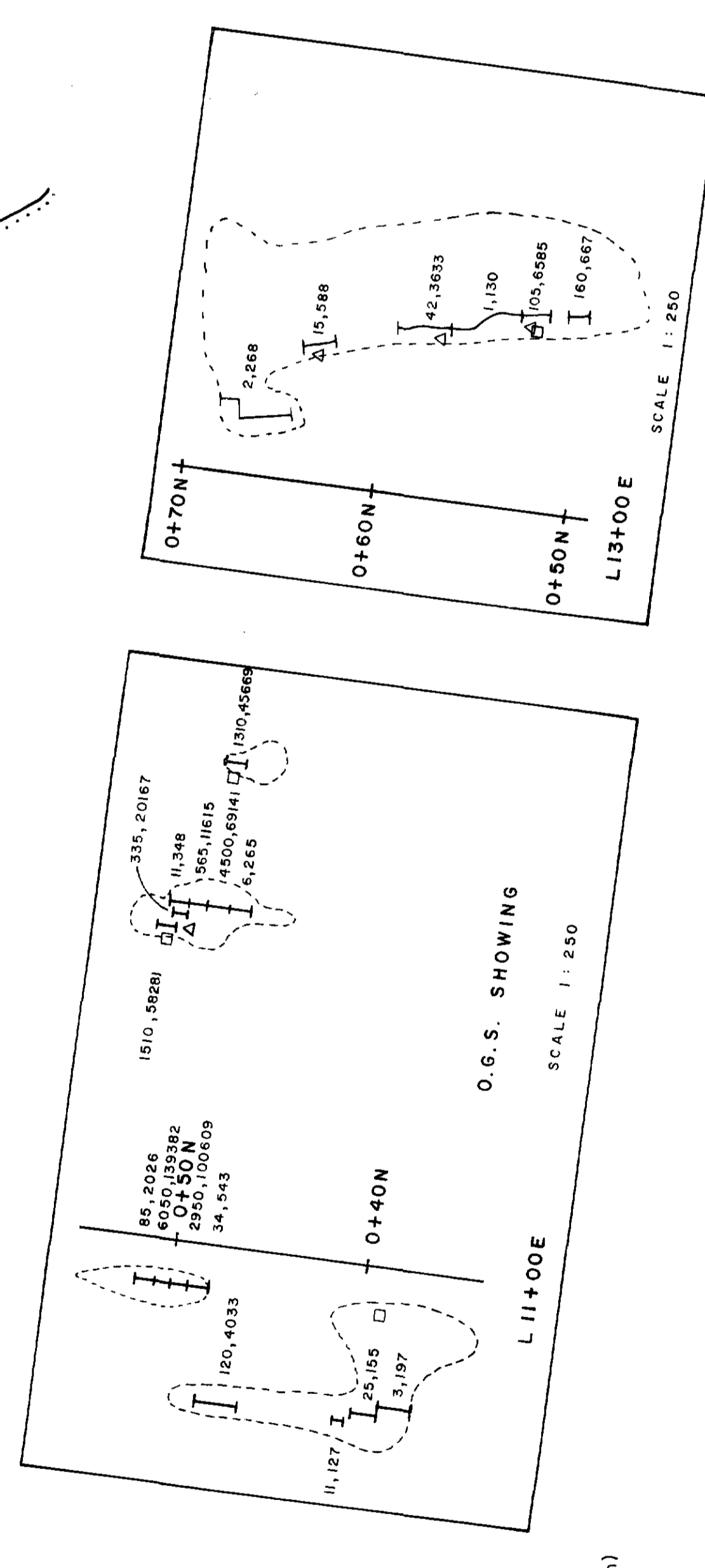
ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 McGRUER LAKE CLAIM BLOCK
Au-As GEOCHEMISTRY

NTS 55 B/15 CLAIM MAP
 McGRUER LAKE
 SCALE 1:2500



EYAPAMIKAMA LAKE

EYAPAMIKAMA LAKE



LEGEND

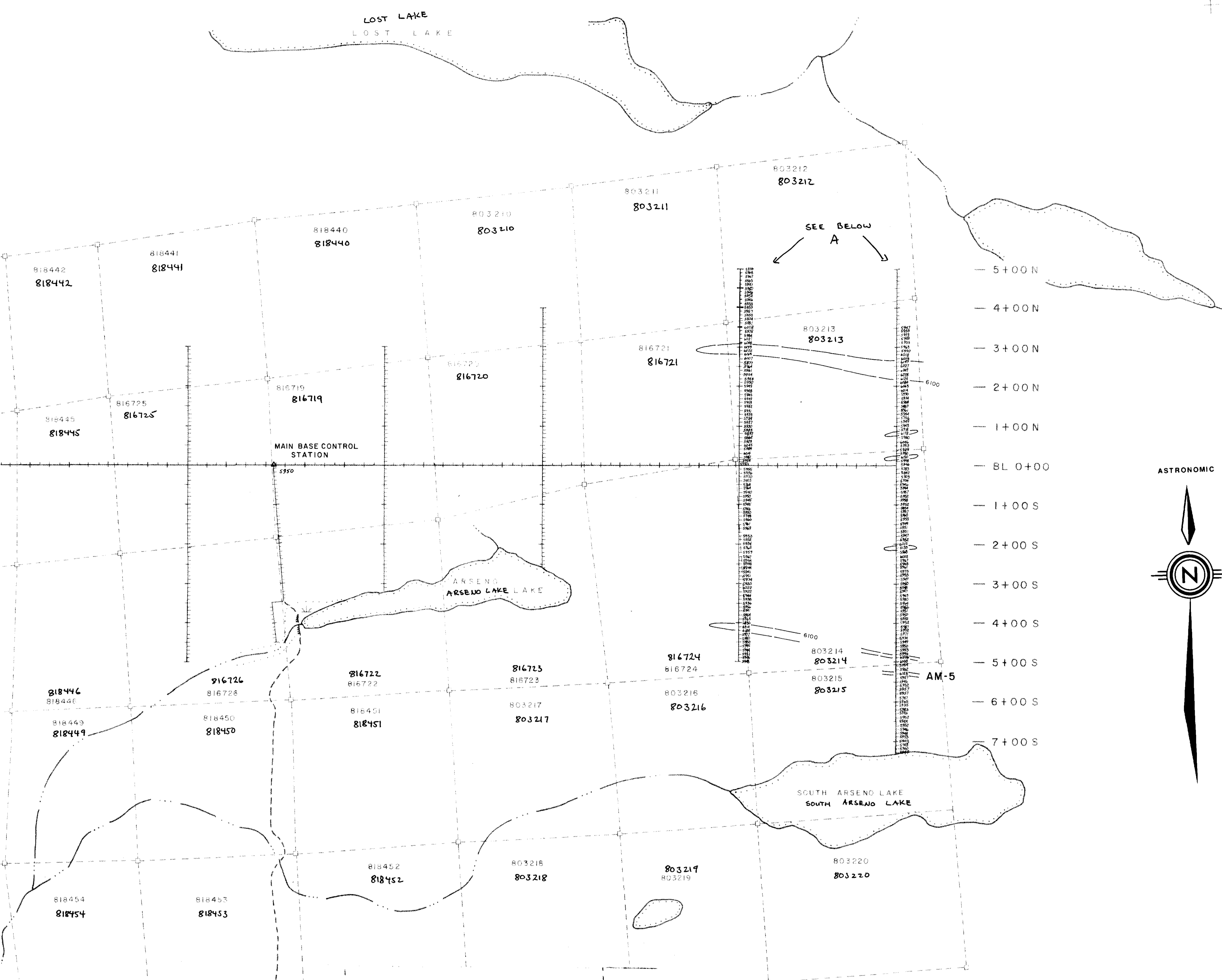
- CLAIM CORNER, CLAIM LINE, CLAIM NUMBER
- - - CUT GRID LINE WITH 10 metre STATIONS
- CHANNEL SAMPLE WITH Au VALUES IN PP.B. (parts per billion), As VALUES IN P.P.M. (parts per million)
- ROCK SAMPLE WITH Au IN P.P.B., As IN P.P.M.
- △ SOIL SAMPLE WITH Au IN P.P.B., As IN P.P.M.
- ▨ STRIPPED AREA (on insets only)

NOTE: 1984 samples have no values plotted.

53B/15NW-0019, #16

L 31+00 E
L 33+20 E
L 36+00 E
L 40+00 E
L 45+00 E
L 49+00 E

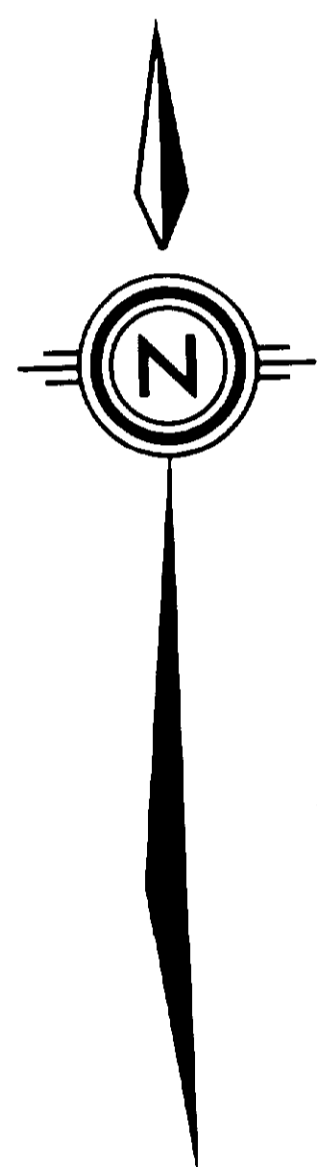
91° 01' 30"
52° 58' 20"



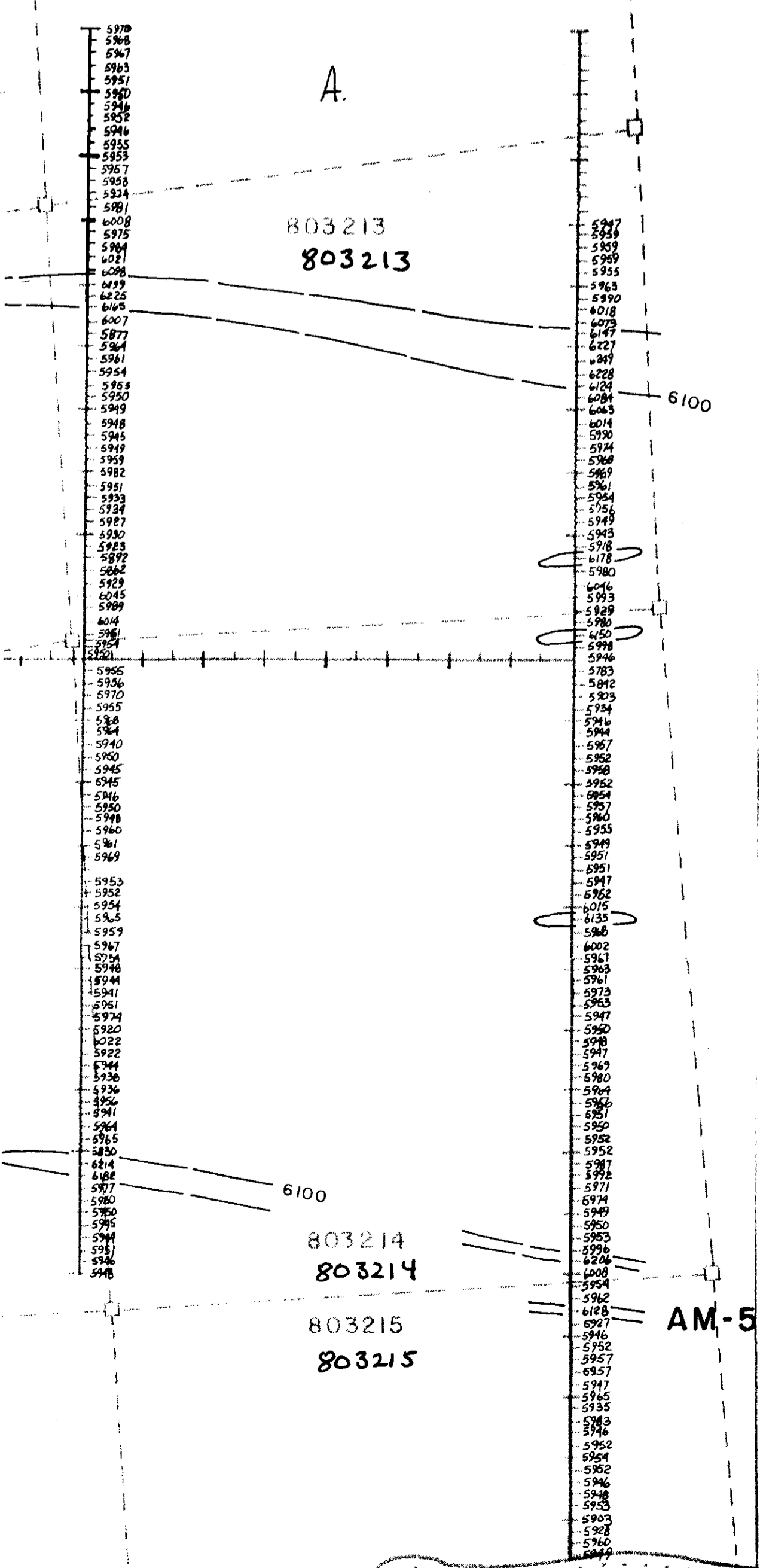
SEE BELOW
A

5+00 N
4+00 N
3+00 N
2+00 N
1+00 N
BL 0+00
1+00 S
2+00 S
3+00 S
4+00 S
5+00 S
6+00 S
7+00 S

ASTRONOMIC



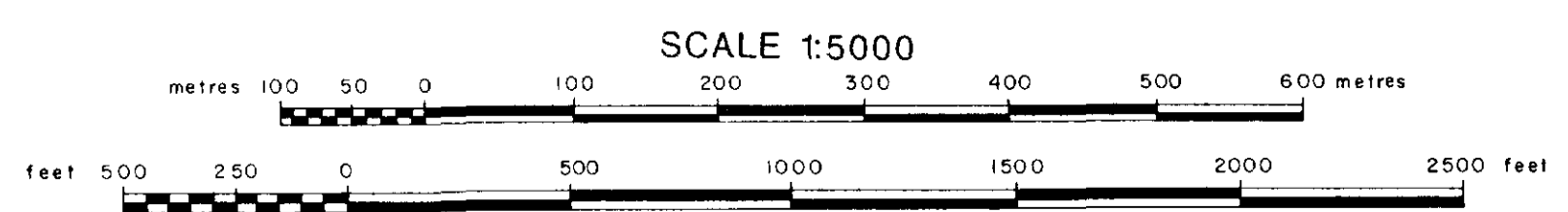
91° 01' 30"
52° 58'



28709

ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
ARSENO LAKE CLAIM BLOCK
GROUND MAGNETOMETER SURVEY

NTS:53B/14, KEEYASK G-2085



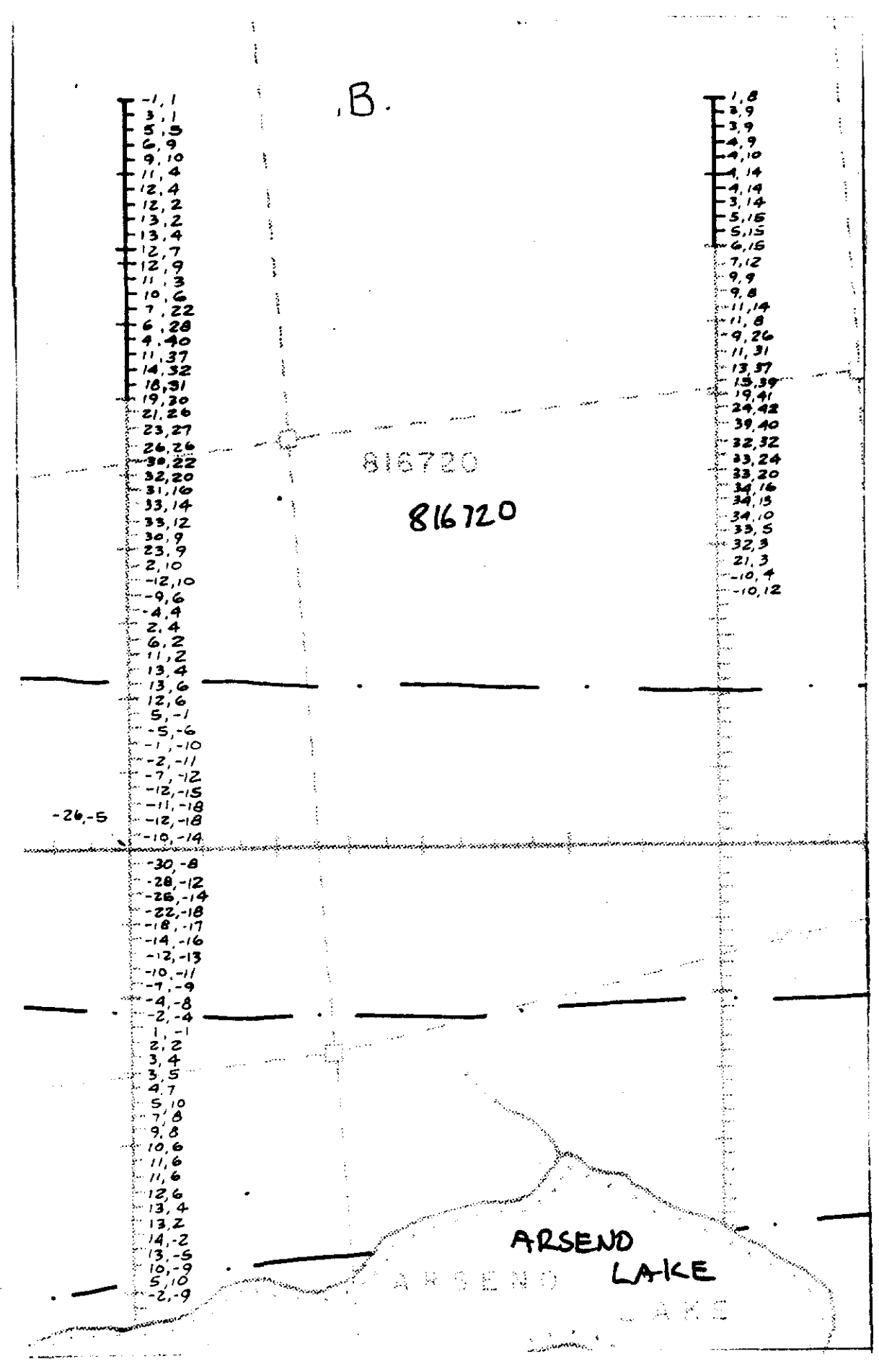
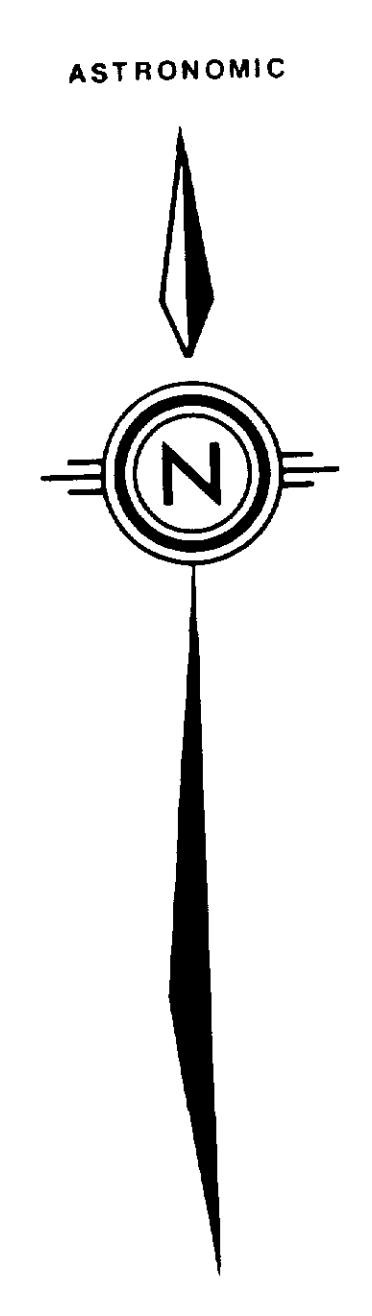
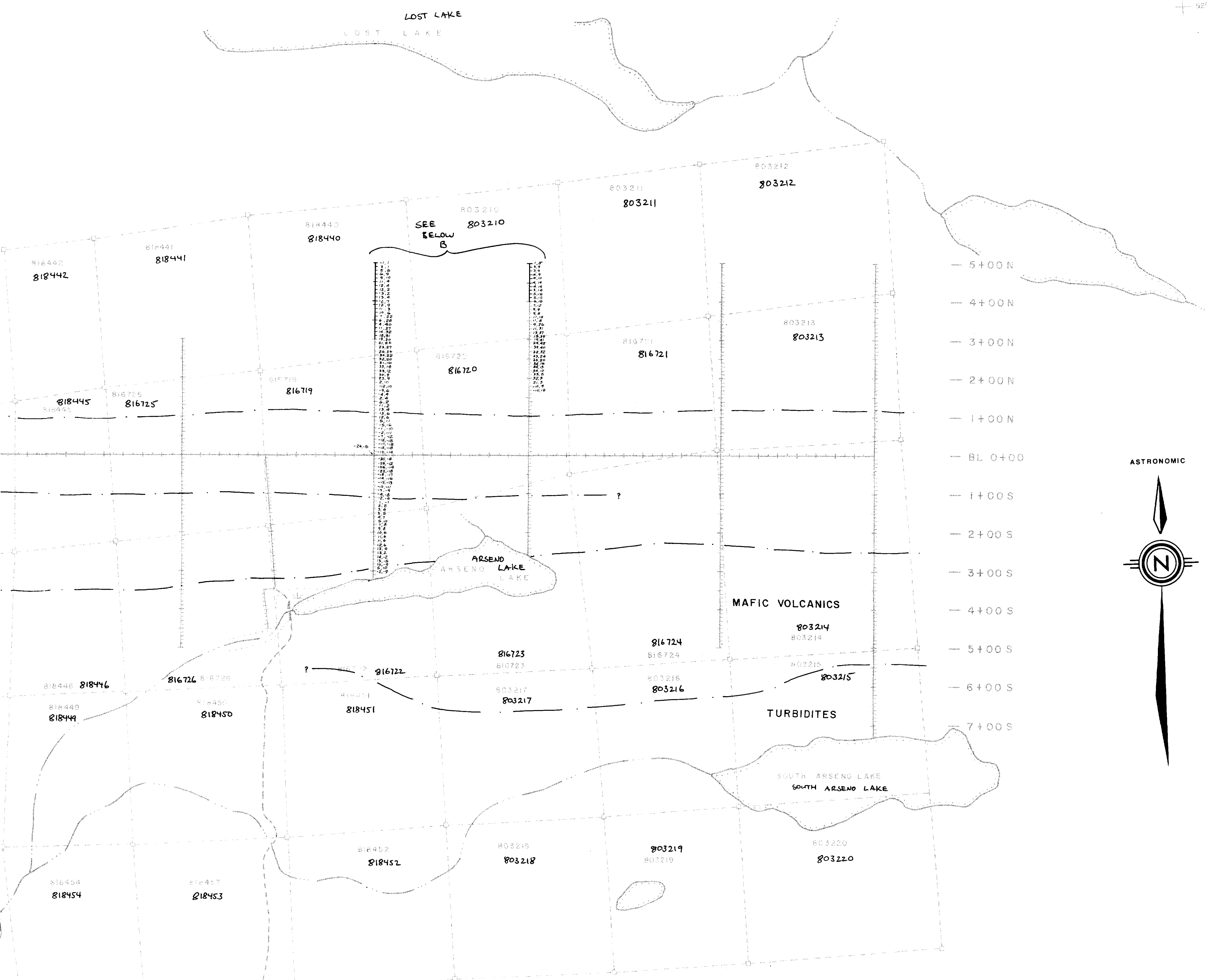
219, #1

AUGUST-SEPTEMBER 1985

PLATE 1

L 31+00 E L 33+20 E L 36+00 E L 40+00 E L 45+00 E L 49+00 E

91° 01' 30" 52° 55' 20"

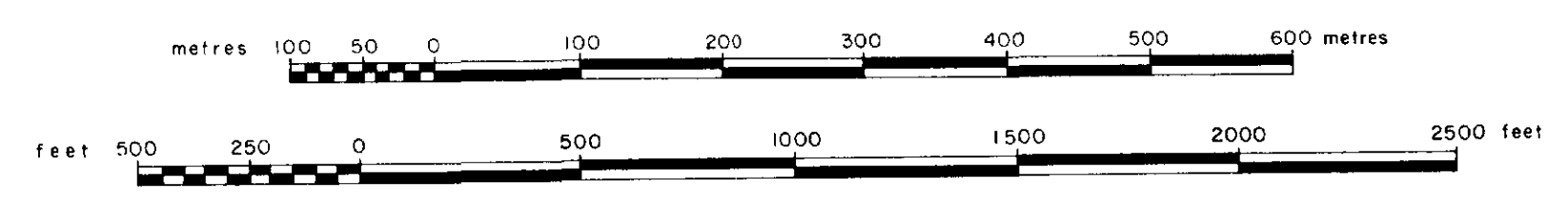


28709

ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 ARSENO LAKE CLAIM BLOCK
GROUND ELECTROMAGNETIC SURVEY - VALUES

NTS:53B/14, KEEYASK G-2085

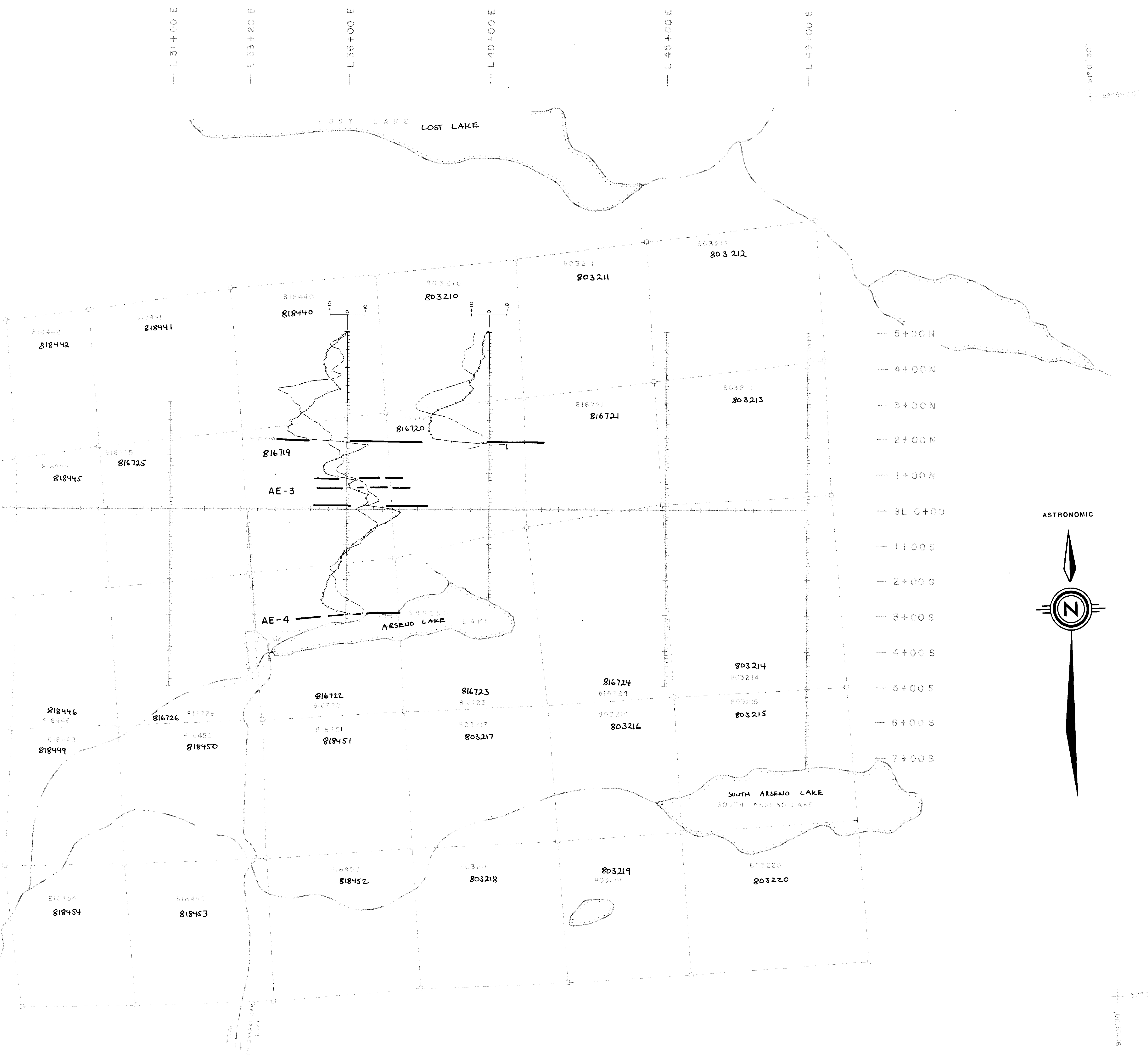
SCALE 1:5000



53B/15NW-0019, #2

AUGUST-SEPTEMBER 1985

PLATE 2



28709

ONTARIO GOLD JOINT VENTURE

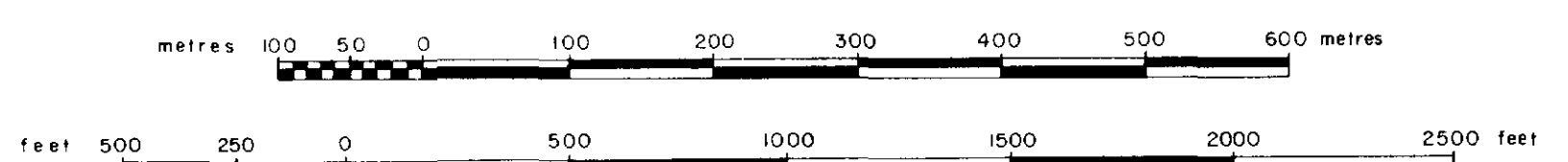
NORTHERN DYNASTY EXPLORATIONS LTD.

ARSENO LAKE CLAIM BLOCK

GROUND ELECTROMAGNETIC SURVEY - PROFILES

NTS:53B/14, KEEYASK G-2085

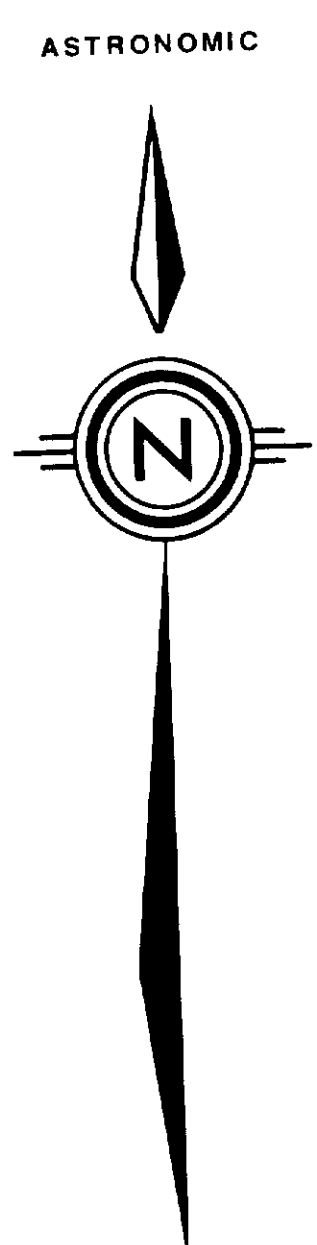
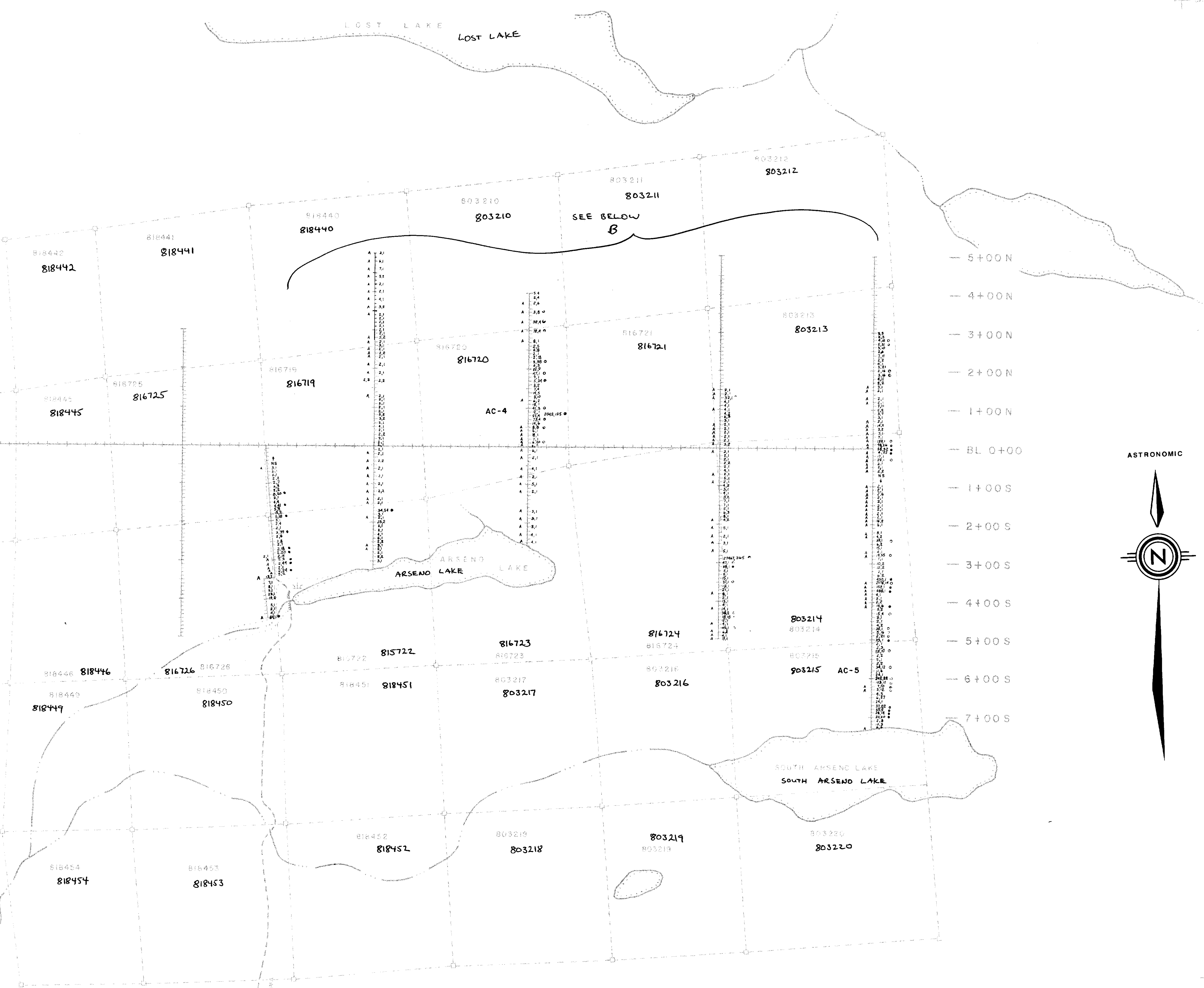
SCALE 1:5000



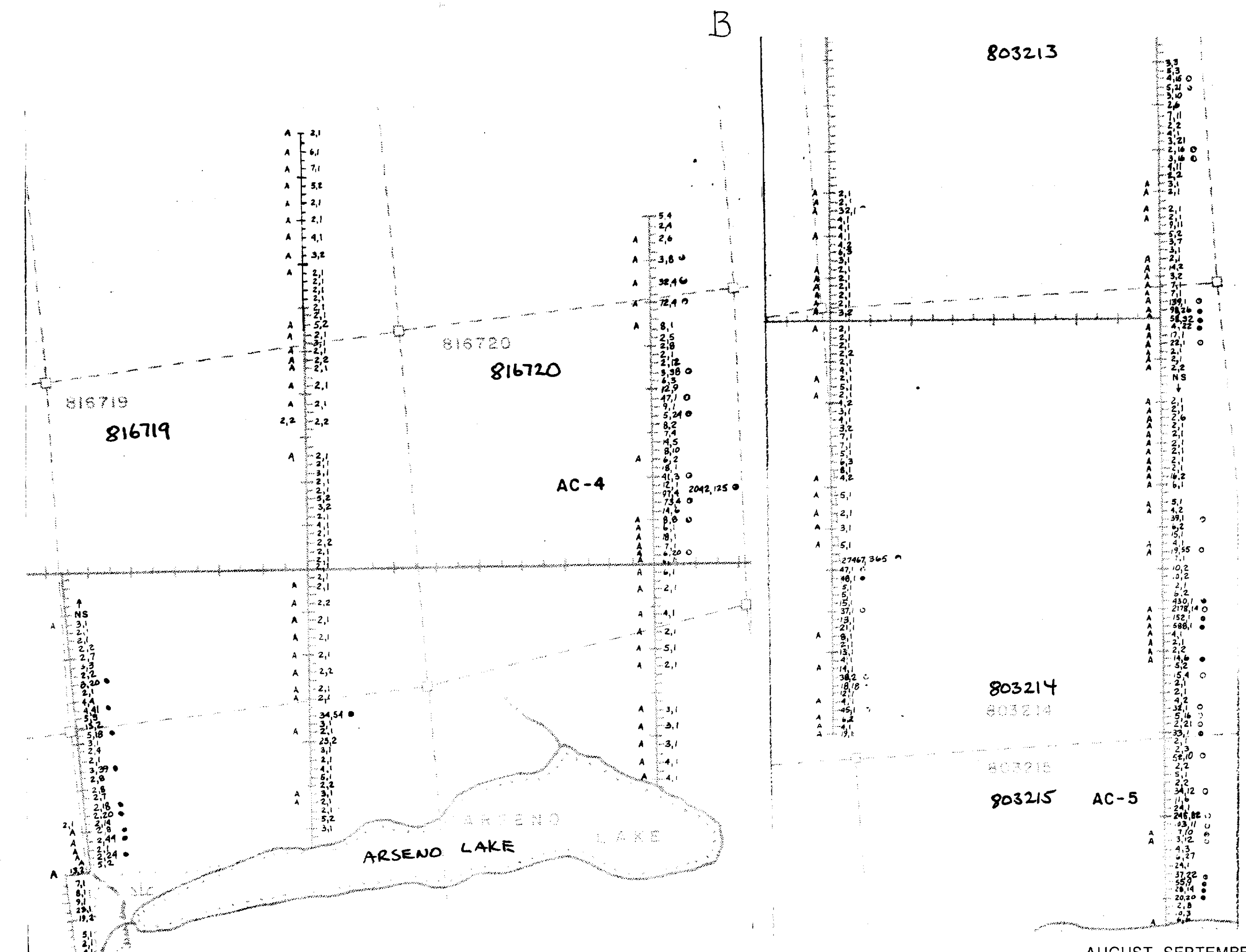
53B/15NW-0019, #3

L 31+00 E
L 33+20 E
L 36+00 E
L 40+00 E
L 45+00 E
L 49+00 E

54° 01' 30"



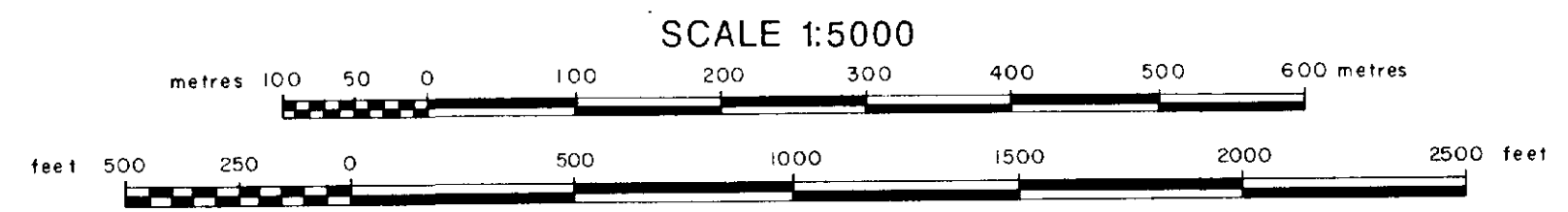
52° 58'



28709

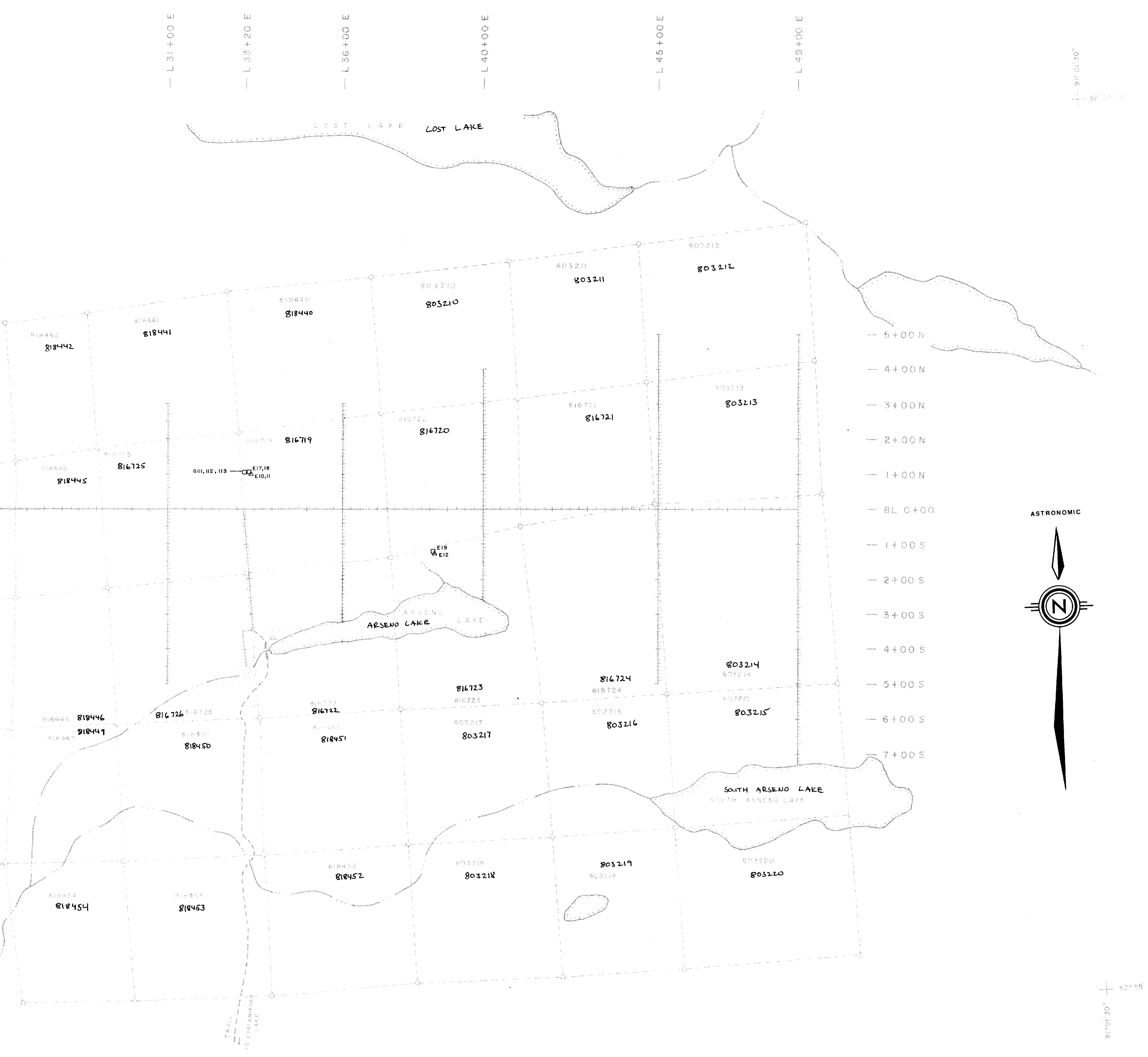
ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
ARSENO LAKE CLAIM BLOCK
As, Au - GRID SOIL GEOCHEMISTRY

NTS:53B/14, KEEYASK G-2085



AUGUST-SEPTEMBER 1985

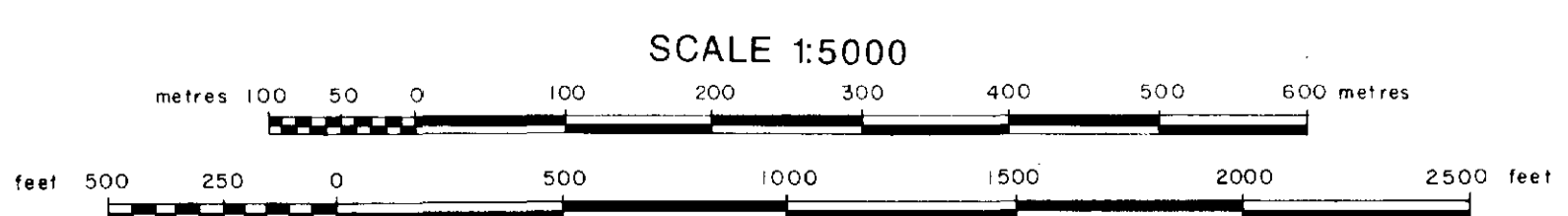
PLATE 4



28709

ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 ARSENO LAKE CLAIM BLOCK
SAMPLE LOCATION MAP

NTS:53B/14, KEEYASK G-2085



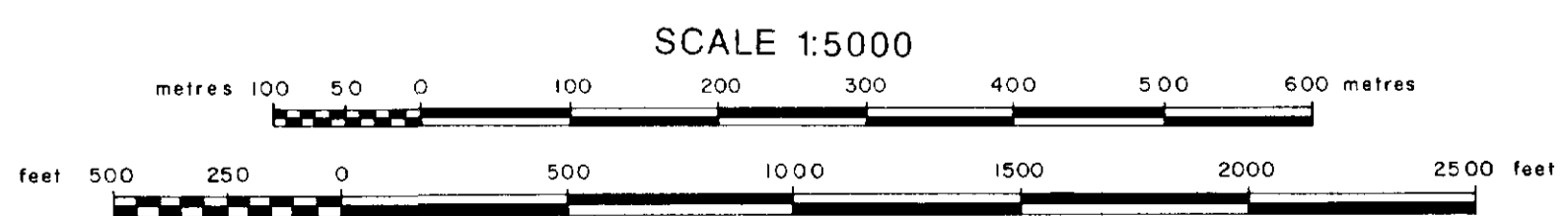
53B/15NW-0019, #5



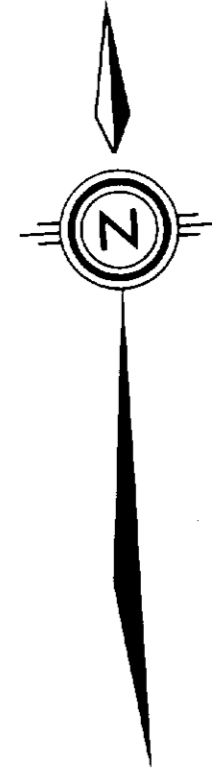
28709

ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 ARSENO LAKE CLAIM BLOCK
As,Au GEOCHEMISTRY

NTS: 53 B/14, KEEYASK G-2085

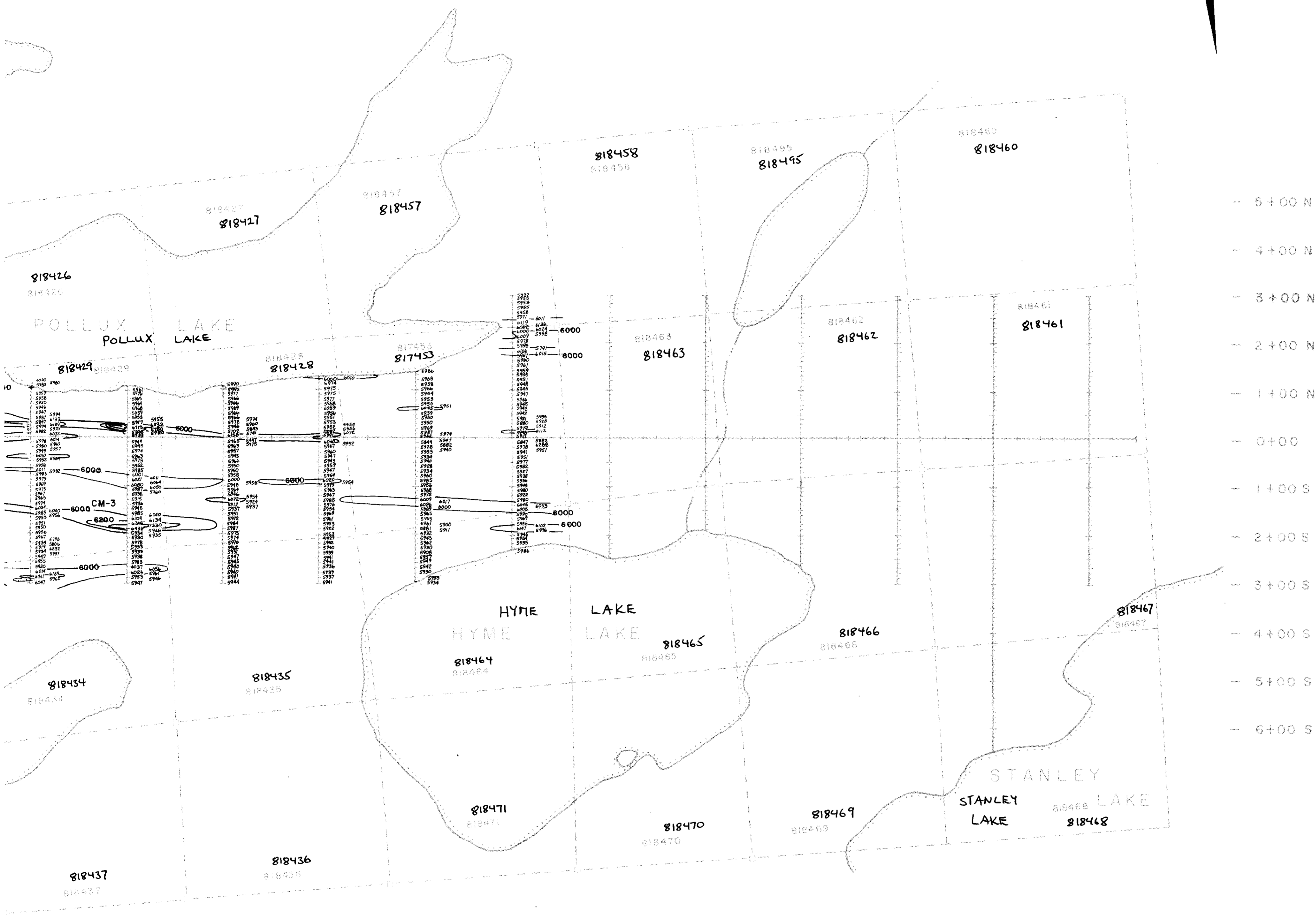


53B/15NW-0019, #6



82° 55'

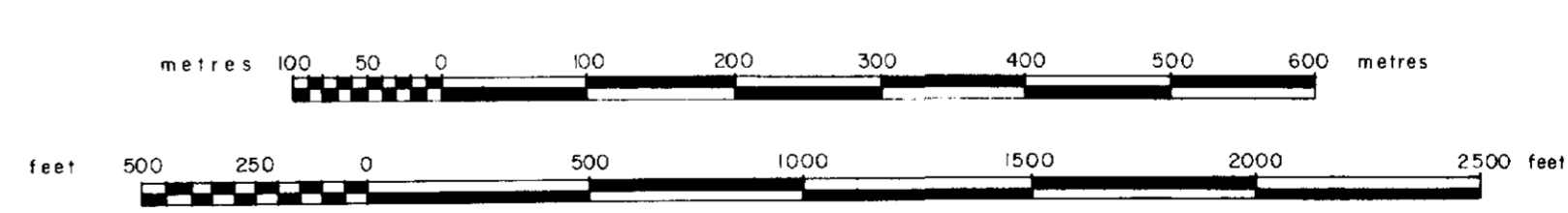
L 21+00 W
L 19+00 W
L 17+00 W
L 15+00 W
L 13+00 W
L 11+00 W
L 9+00 W
L 7+00 W
L 5+00 W
L 3+00 W
L 1+00 W
L 1+00 E



28707

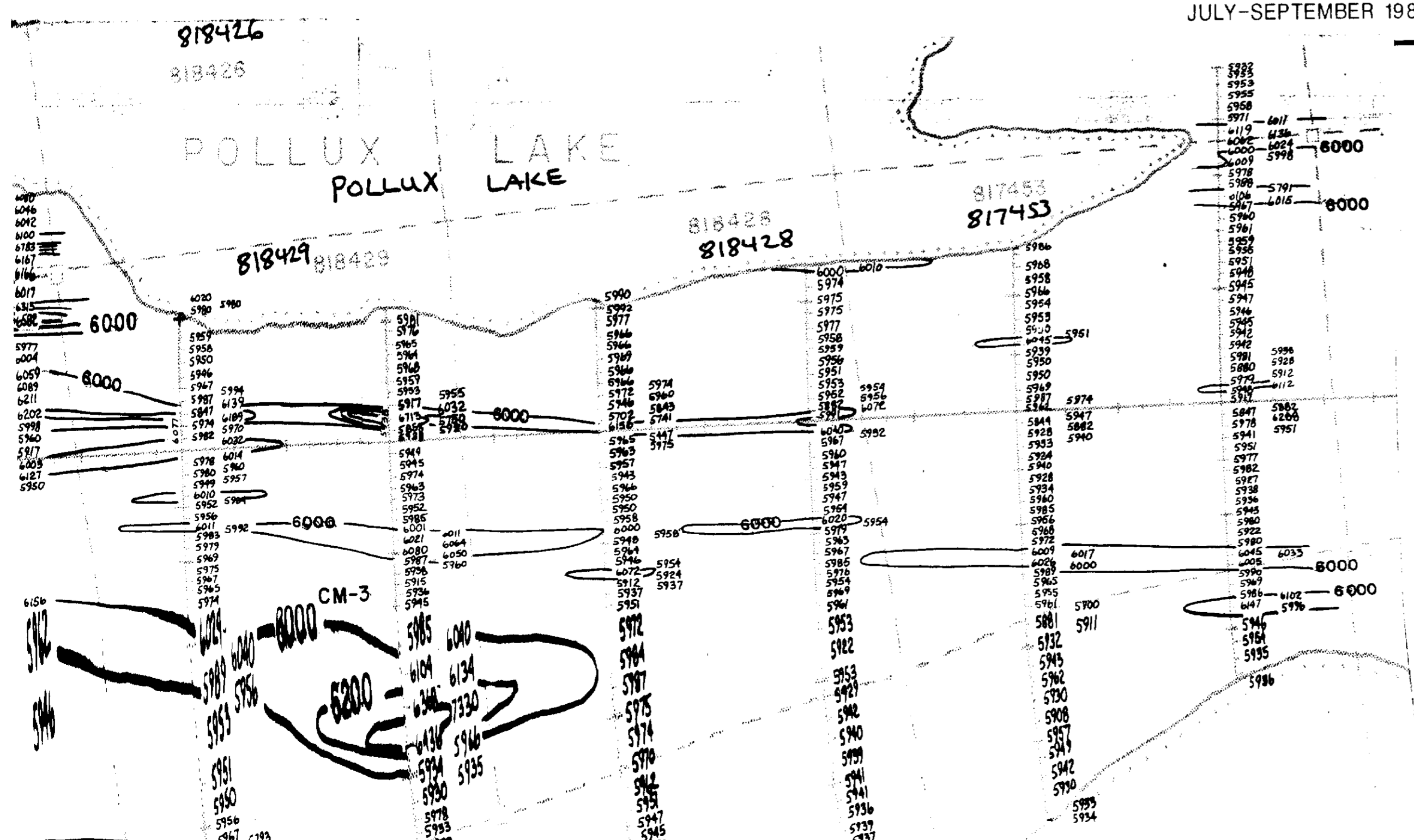
ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
CASTOR LAKE CLAIM BLOCK
GROUND MAGNETOMETER SURVEY

NTS:53B/15, SEESEEP LAKE G-2204
SCALE 1:5000

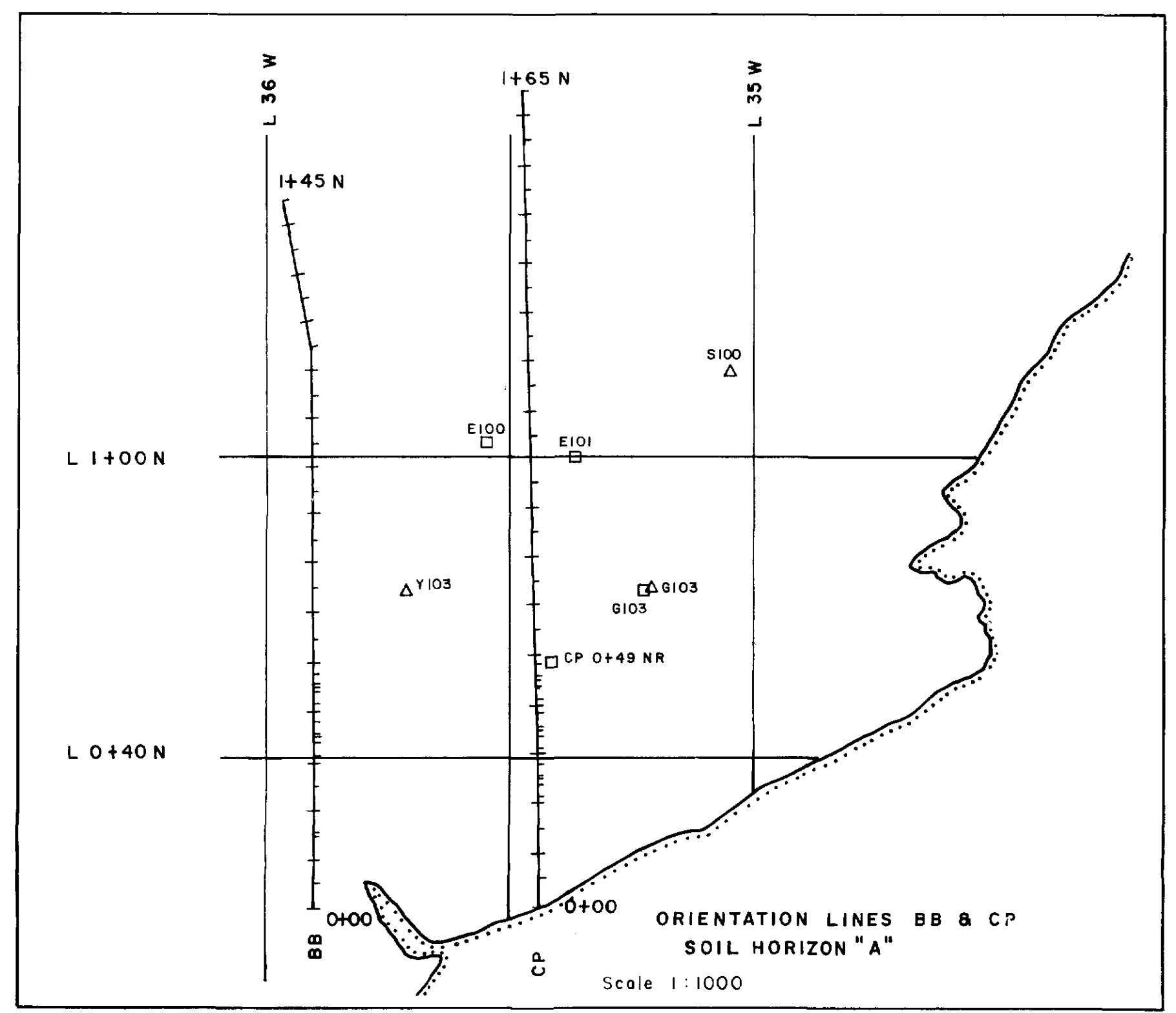
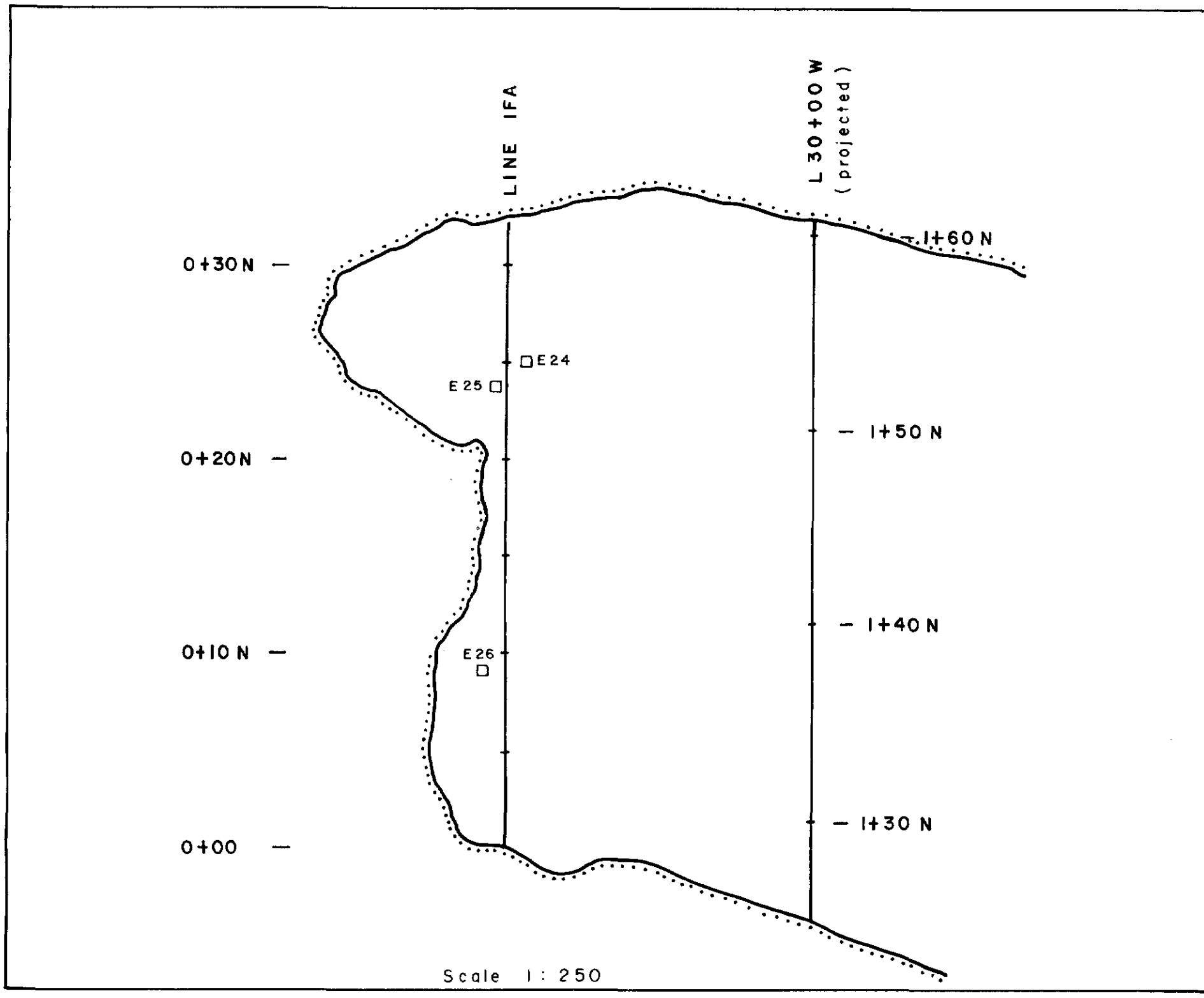
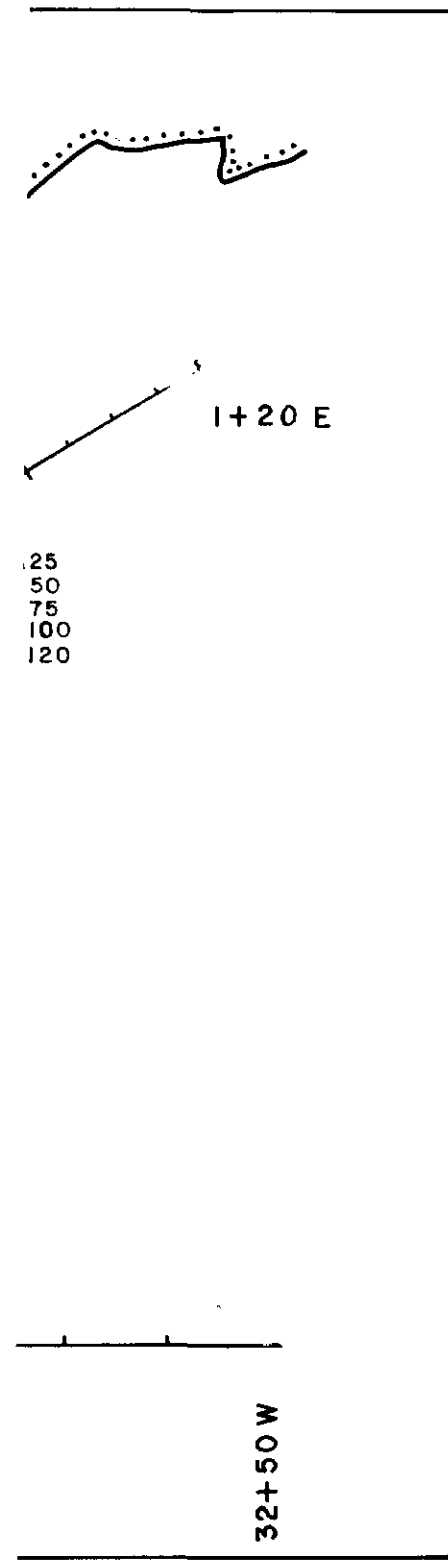


JULY-SEPTEMBER 1985

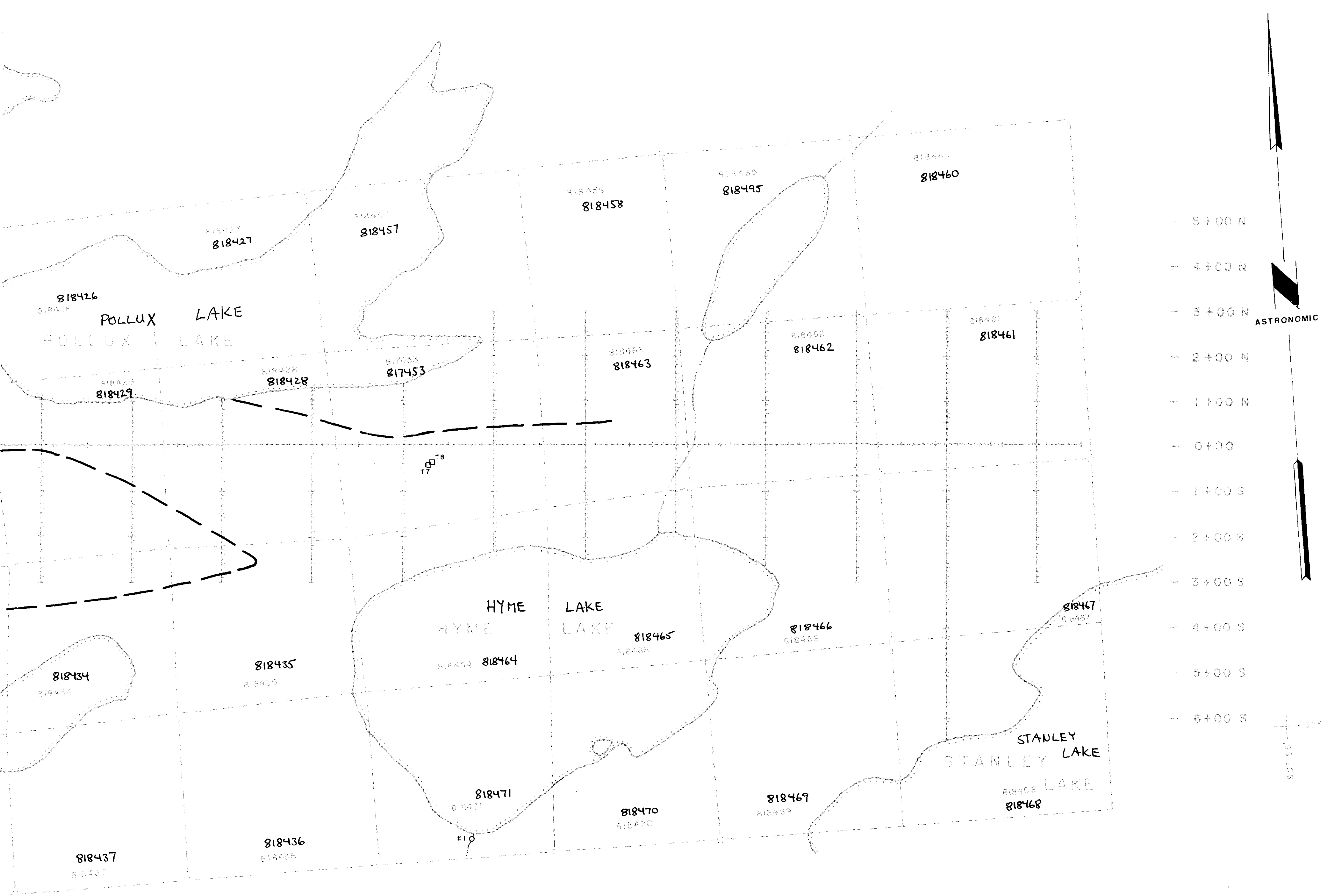
PLATE 7



53B/15NW-0019, # 7

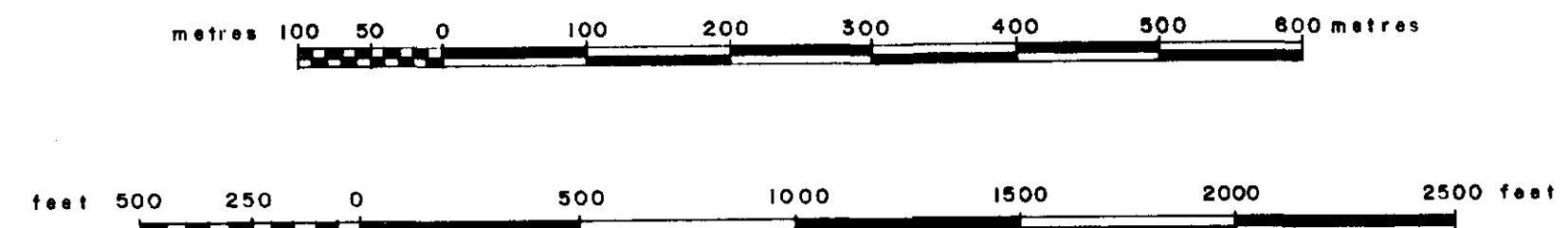


L 21+00 W
 L 19+00 W
 L 17+00 W
 L 15+00 W
 L 13+00 W
 L 11+00 W
 L 9+00 W
 L 7+00 W
 L 5+00 W
 L 3+00 W
 L 1+00 W
 L 1+00 E



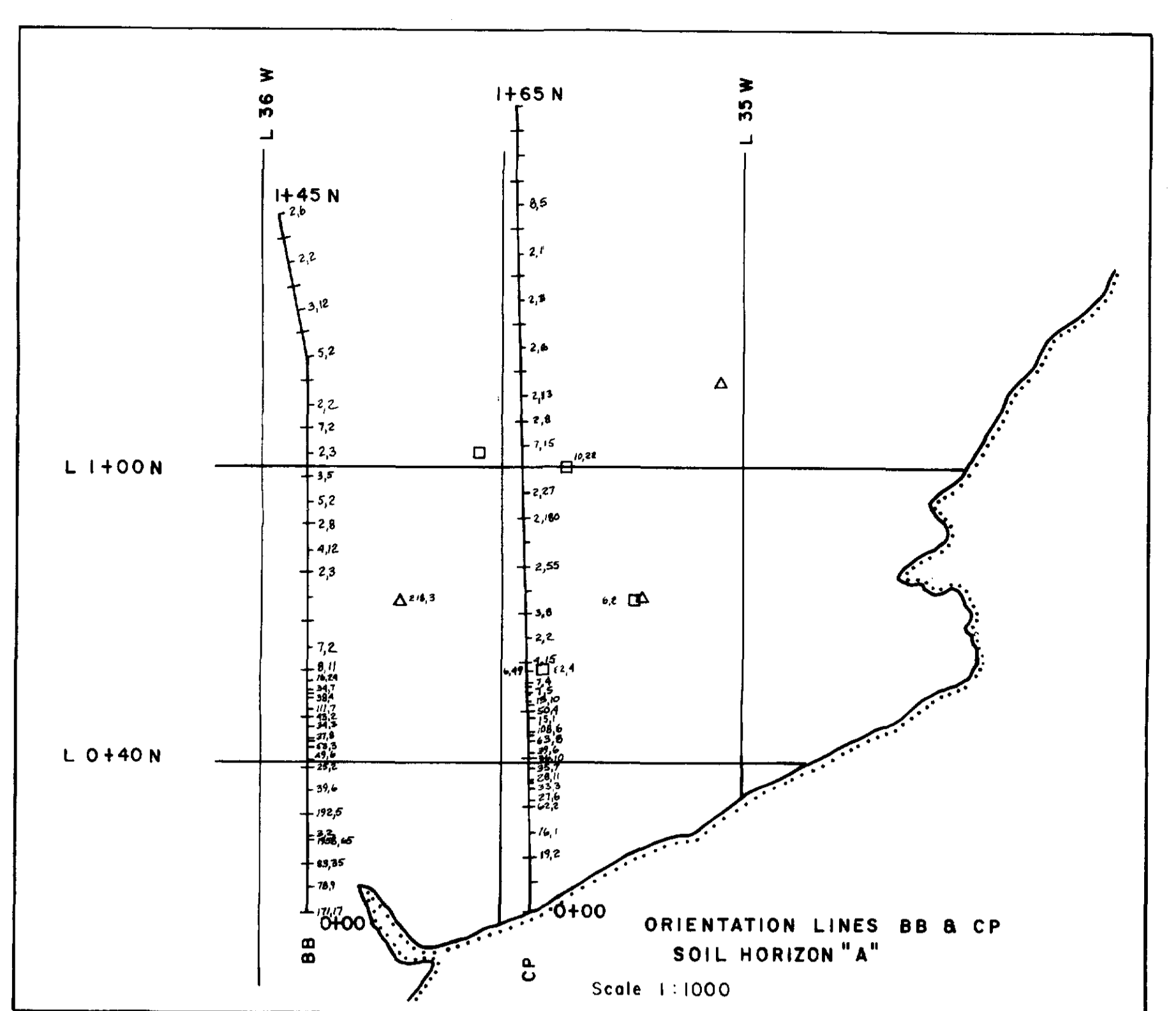
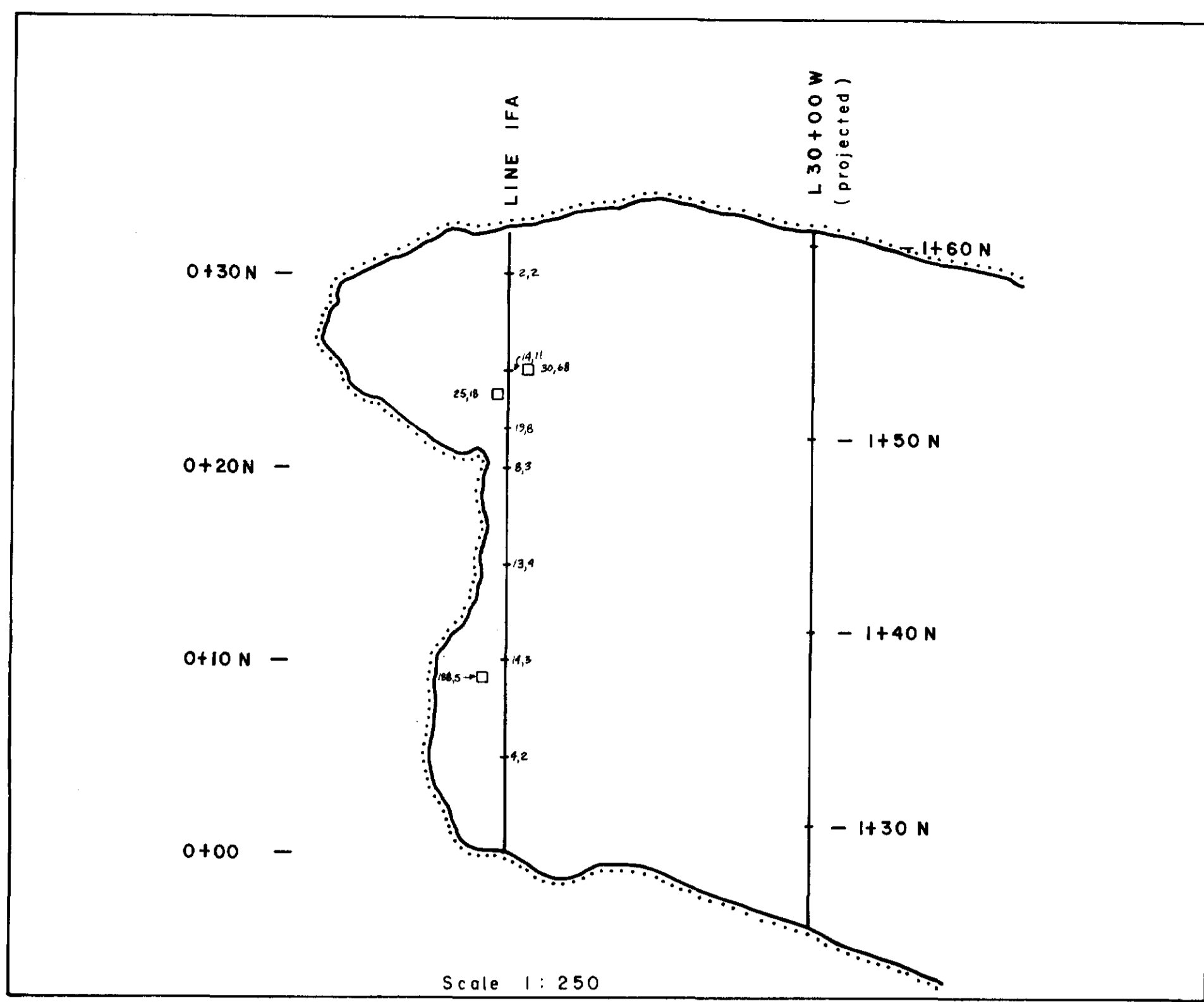
28709

ONTARIO GOLD JOINT VENTURE
 NORTHERN DYNASTY EXPLORATIONS LTD.
 CASTOR LAKE CLAIM BLOCK
SAMPLE LOCATION MAP
 NTS 53 B/15 SEESEEP LAKE G-2204
 SCALE 1:5000

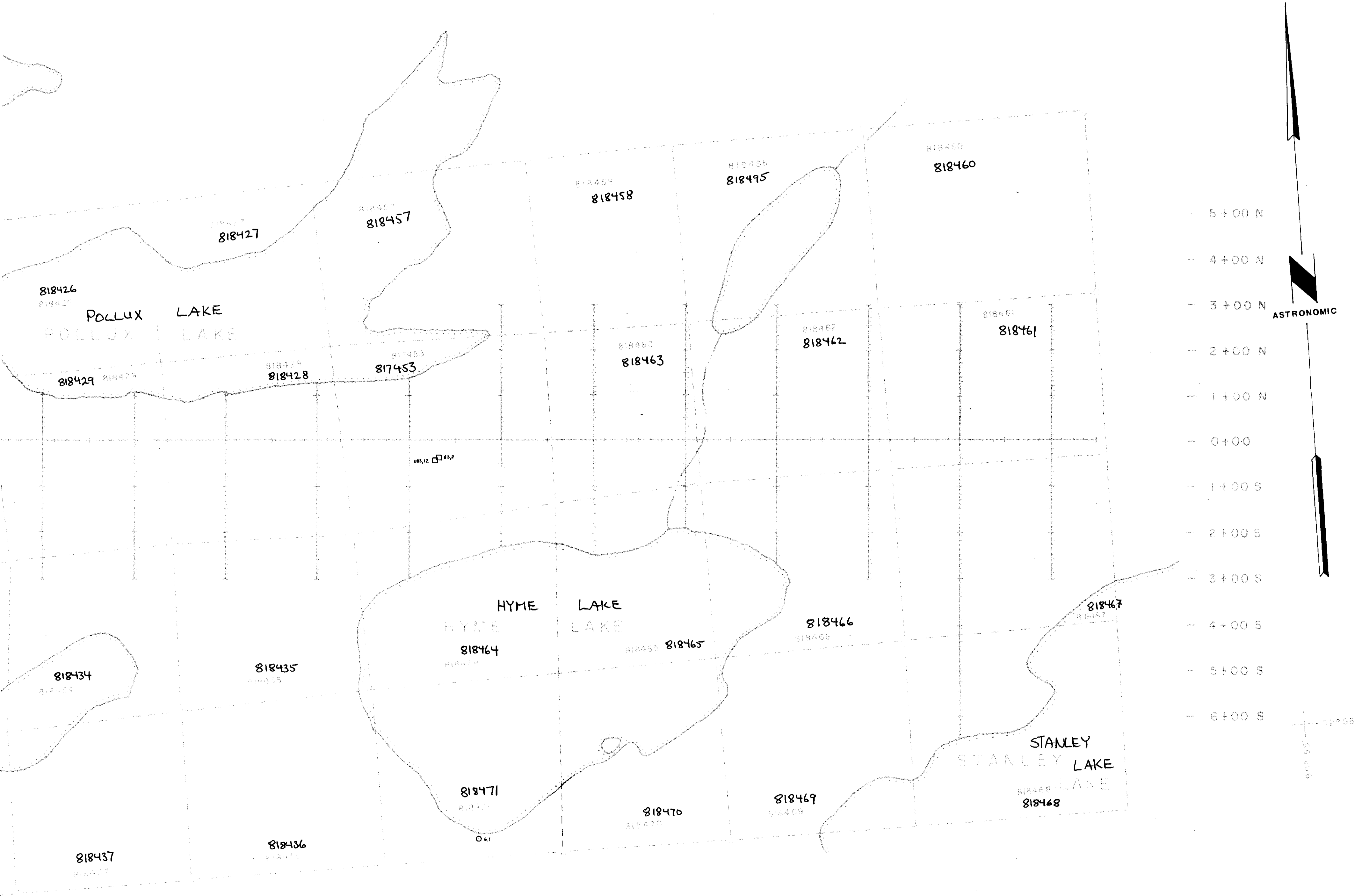


53B/15NW-0019, #11

ations)
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 NUMBER
 LOCATION AND NUMBER
 AND NUMBER
 CONTACT



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L 17+00 W
L 15+00 W
L 13+00 W
L 11+00 W
L 9+00 W
L 7+00 W
L 5+00 W
L 3+00 W
L 1+00 W
L 1+00 E

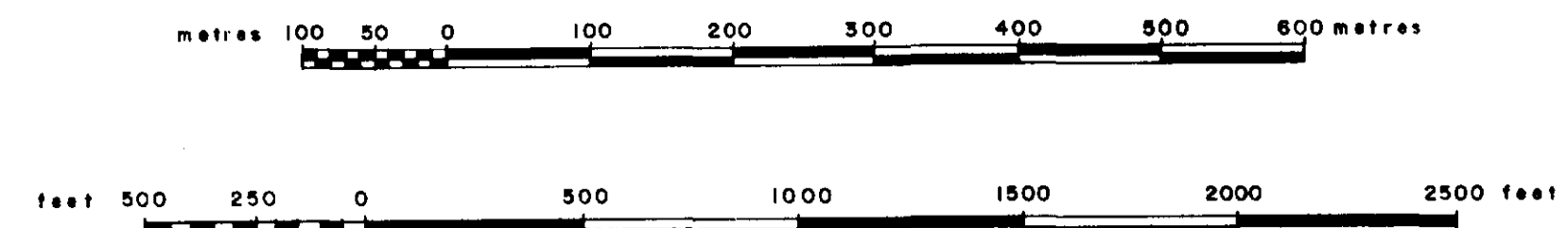


28709

ONTARIO GOLD JOINT VENTURE
NORTHERN DYNASTY EXPLORATIONS LTD.
CASTOR LAKE CLAIM BLOCK
As,Au GEOCHEMISTRY

NTS 53 B/15 SEESEEP LAKE G-2204

SCALE 1:5000



53 B/15 NW-0019, #12

ations)
As IN ppm AND Au IN ppb
As IN ppm AND Au IN ppb
CATION WITH As IN ppm AND Au IN ppb
ITH As IN ppm AND Au IN ppb