



Robert J. Tremblay, P. Geo.

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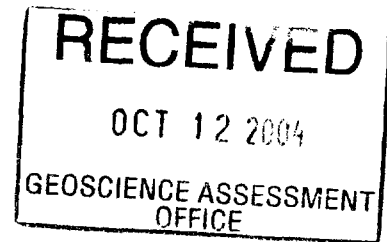
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**REPORT
on a
LITHOGEOCHEMICAL AND MULTI-ELEMENT SAMPLING PROGRAM
SEPTEMBER, 2004**

EYAPAMIKAMA LAKE PROPERTY

**Patricia Mining Division
Province of Ontario, Canada
NTS 53B/14, 35B/ 15**



for

**NORTHERN DYNASTY MINERALS LTD.
ENERGOLD MINERALS INC.**

by

**Robert J. Tremblay P. Geo.
Val d'Or, Quebec
October 8th, 2004**

FOREWORD

The objective of the following report is to present an overview of whole rock and multi-element analysis on samples collected from outcrops in the western part of the Eyapamikama Lake property.

This program was undertaken to provide a first-pass evaluation of an area situated on the projected western extension of property's main mineralized horizon, more than one kilometre to the west of previous drilling. The author completed two previous litho-geochemical studies in 2000 and 2002 on drill core from the property's main mineralized horizon which indicated significant potential for the discovery of additional volcanogenic massive sulphide mineralization. The western target area is characterized by anomalous zinc, silver, copper and lead soil geochemistry that is associated with an electromagnetic conductive zone.

The results of the previous studies are presented in reports prepared by the author dated November 10th, 2000, October 10th, 2002 and July 14th, 2004.

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1.0 Introduction

At the request of Mr. Bruce Youngman of Northern Dynasty Minerals Ltd., the author travelled to the Eyapamikama Lake property in September, 2004 to complete a lithogeochemical sampling program of outcrops in the western part of the claim group.

The Eyapamikama Lake property is located in northwestern Ontario, approximately 170 kilometres north-northwest of Pickle Lake, Ontario. The center of the claim group is situated at $91^{\circ} 06' W$ longitude and $52^{\circ} 58.5' N$ latitude on map sheets NTS 53 B/14 and 15. The property is owned by Northern Dynasty Minerals Ltd. and Energold Minerals Inc.

Past sampling and whole rock analysis of old drill core in 2000 and 2002 by the author indicated that the geological environment of the property's main mineralized horizon was quite similar to that of the Geco polymetallic massive sulphide deposit located at Manitouwadge Ontario. The alteration pattern obtained from analysis supported the hypothesis that the property's polymetallic sulphide zone, though sheared and metamorphosed, was associated with hydrothermal activity from local volcanic venting. The potential for volcanogenic massive sulphides on the property was concluded to be very favourable and further diamond drilling was recommended.

The area targeted for the September program is situated along the projected western extension of the property's main mineralized horizon, in an area of anomalous zinc, silver, copper and lead soil geochemistry that is associated with an electromagnetic conductive zone. This area is located one kilometre to the west of the westernmost drill hole on the property's main mineralized horizon, and nearly two kilometres to the west of its thickest mineralized intercepts.

Access to the area targeted for work was only possible by helicopter. The services of Forest Helicopters Inc. of Pickle Lake, Ontario were thus retained to complete the field work.

Rock samples were submitted to ALS Chemex Lab. in Thunder Bay. Whole rock analysis was by the XRF Wavelength dispersive method, preceded by a lithium borate fusion sample preparation. Multi-element analysis was by ICP with an aqua regia digestion with gold by fire assay and an atomic absorption finish. Tables presenting results of these analysis and certificates of analysis are appended.

2.0 Program Description and Results

Field work on the property was completed on September 18, 2004. Altogether, 13 surface samples were collected for whole rock analysis and 5 samples were taken for multi-element analysis from outcrops hosting sulphide mineralization.

In sampling for whole rock geochemistry, attention was primarily focused on locating volcanic horizons, especially within the previously-mapped debris flow unit. Samples were collected with great care in an effort to obtain the freshest samples possible, free of mineralization and surface alteration. In this regard, most outcrops along the traverse were generally flat or rounded and the collection of fresh samples displaying little or no surface alteration was difficult, and at many locations, impossible.

The varying effects of alteration, deformation and metamorphism in this area make conclusive identification of protoliths difficult. With regard to alteration, elevated "lost on ignition" (LOI) values in many samples were either caused by the strong alteration in the samples or insufficient freshness of rock samples, or a combination of both.

This program constitutes a first step in evaluating the type and intensity of alteration along the western projection of the property's main mineralized body. General observations on the whole rock analytical results are presented below, in the order that the samples were collected (from south to north):

- i) The southernmost sample (828122) was taken from andesitic rocks that display strong carbonate alteration.
- ii) Samples 828123 through 828127 were collected from the "debris flow" unit. Within the debris flow, no horizons of certain volcanic origin were located for sampling. It thus remains to be determined if these debris flows are derived from sedimentary rocks, as previously proposed, or from volcanic rocks. Due to the heterogeneous composition of this rock type on a sampling scale and a lack of data on the whole rock geochemistry, no firm conclusions on the alteration type and intensity can be made for these samples.
- iii.) Outcrop samples 828128 and 828129, which appear to be rhyolitic and dacitic in composition, were collected from the central "chlorite schist" unit, which hosts the main mineralized horizon. The main mineralized package is associated with chemical sediments (cherts) and metavolcanic rocks of intermediate to felsic composition. These two samples both display sodium depletion and potassium enrichment, one also displays weak magnesium enrichment, indicating the presence of hydrothermal alteration that is typically associated with volcanogenic sulphide deposits.
- iv) Further to the north, samples 828130, 828131 and 828132 appear to be andesitic in composition, even though the titanium oxide concentrations for the last two samples are somewhat lower than expected. All three samples display clear sodium depletion. Stronger magnesium enrichment occurs in the last two samples, whereas potassium values are low. Although the

geochemical pattern is not perfectly clear, it does indicate the presence of hydrothermal alteration.

v) Further north, sample 828133 is of andesitic composition and does not display any hydrothermal alteration. Sample 828134 is more basaltic in composition and displays an alteration pattern marked by sodium depletion and magnesium enrichment, whereas the potassium concentration is low. These results could indicate hydrothermal activity in this area, but more work is required to confirm this.

A total of five samples were collected from mineralized outcrops for multi-element analysis. Two samples, 828140 and 828141, contain pyrite and lesser pyrrhotite as very fine powdery disseminations in concentrations varying between 2-3% to about 10%. The mineralized outcrops are composed either of felsic volcanics or chemical metasediments (cherts), previously described as quartz-grunerite iron formation. Most outcrop surfaces display light orange-coloured alteration, with occasional decimetre-thick bands of stronger alteration with a darker orange colour.

At the end of the field day, a very small portion of the area of anomalous soils and coincident conductive horizons was briefly prospected. The author managed to collect 3 samples on two rusty horizons displaying strong alteration on a very flat outcrop. On the northernmost horizon, a 30 cm-thick very siliceous (cherty) rock hosts 2 to 15% very fine (powdery) disseminated pyrite, as well as trace amounts of sphalerite and chalcopyrite. Two samples, 828142 and 828143, lying some 20-30 cms apart, were collected at this location and returned geochemically anomalous grades of silver (to 86.7 ppm or g/T), zinc (to 1,980 ppm) and copper (to 2490 ppm).

Some 2.5 metres south of the occurrence described above, another rusty horizon again consists of siliceous rock and hosts 2-5% reddish-brown sphalerite, traces of chalcopyrite and crystalline galena. A single sample, 828144, collected from this horizon, returned 1.19% zinc, 110 ppm (110 g/T) silver and 3,380 ppm lead.

The whole rock analytical results from this program indicate that the conductive zone in this area of the property has been affected by hydrothermal alteration. The discovery of a new zinc-silver showing clearly confirms this portion of the property offers favourable potential for locating additional polymetallic sulphides, and the usefulness of the previously-completed soil geochemical survey as an exploration tool in this area.

On the new zinc-silver showing, a great deal of time was spent chiselling out a sufficient amount of samples for assaying. On the greater part of the outcrop at this location and surrounding outcrops, sampling by this method was impossible. Any attempt at systematic sampling in this area should thus be completed by using a rock saw, which would be a very efficient and productive method, since water could be easily pumped up from the small lake less than 300 metres to the north.

3.0 Conclusions and Recommendations

The completed lithochemical program provides a first-pass evaluation of the alteration patterns in an area situated on the projected western extension of property's main mineralized horizon, more than one kilometre to the west of previous drilling. This area is characterized by anomalous zinc, silver, copper and lead soil geochemistry that is associated with an electromagnetic conductive zone.

Although geochemical patterns from this preliminary program are somewhat irregular, the general alteration pattern in the volcanic rocks indicates hydrothermal alteration of the type that is associated with volcanogenic massive sulphide mineralization. The presence of this alteration indicates that the favourable mineralized horizon extends to this area, more than one kilometre to the west of the previous drilling.

The discovery of a new zinc-silver showing as a result of a very short prospecting effort confirms this area's favourable potential for the discovery of significant additional polymetallic massive sulphide mineralization. Further prospecting work followed by exploratory diamond drilling is thus recommended in the western portion of the property area.

Robert J. Tremblay P. Geo.

4.0 References

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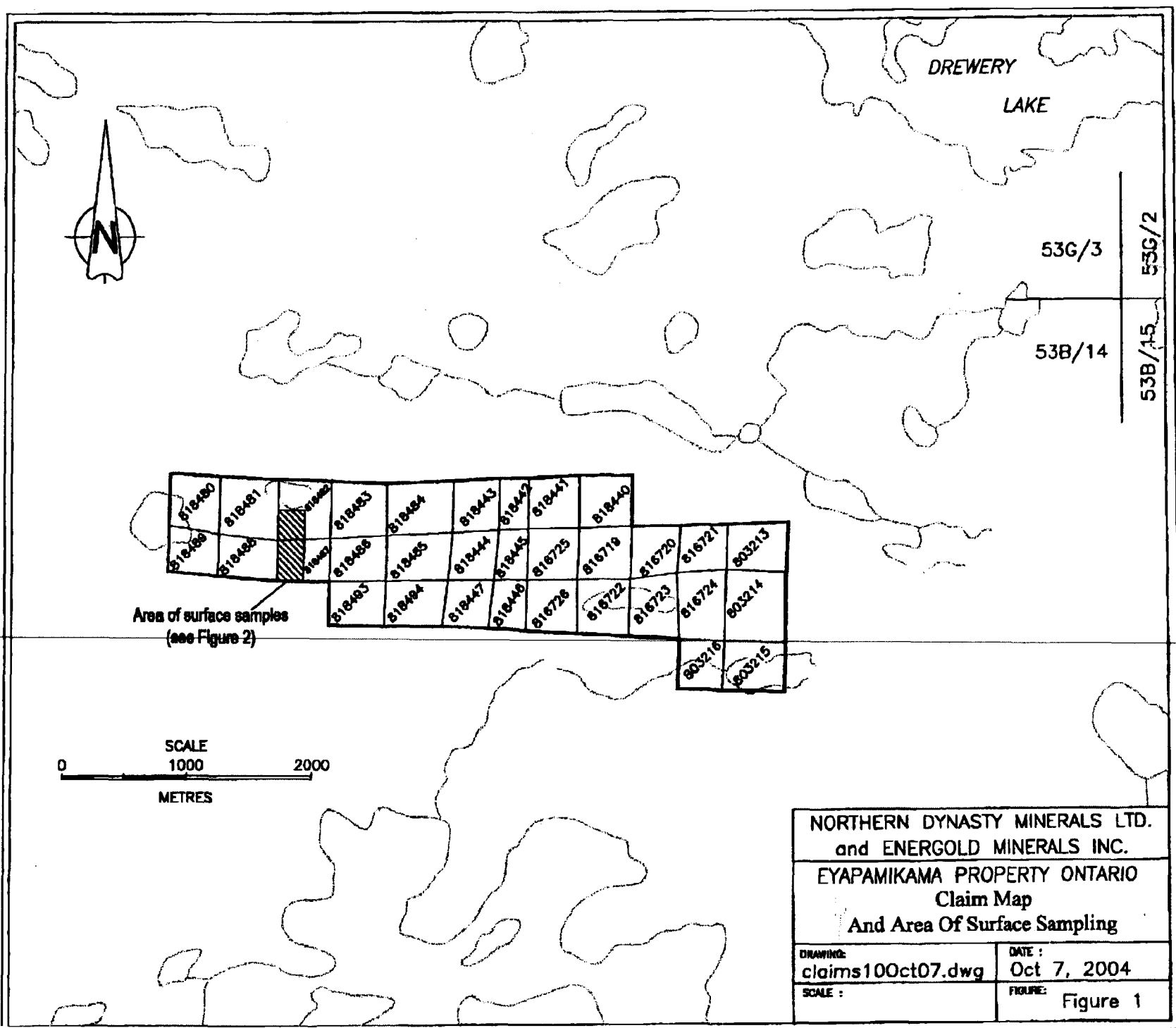
5.0 Certificate

This will certify that :

- I am a resident of Val Senneville (Val d'Or), Quebec, residing at 107 Zephir Street, J0Y 2P0;
- I have been continuously engaged in mineral exploration since 1975;
- I have graduated from the University of Ottawa with an Honours B.Sc. degree in Geology, with specialization in structural geology, in 1975;
- I am member in good standing with the Quebec Order of Geologists where I hold the title of Professional geologist, member no. 616;
- I am a Fellow of the Geological Association of Canada, member no. F6731;
- This report covers the author's field work in September 2004 and the results of whole rock analysis and multi-element analysis on sampled outcrops;
- I have declared in this report all the information, which to the best of my knowledge, has direct bearing on the property under study;
- I do not hold or expect to receive any interest, directly or indirectly, in the Eyapamikama Lake claims of Northern Dynasty Minerals Ltd.



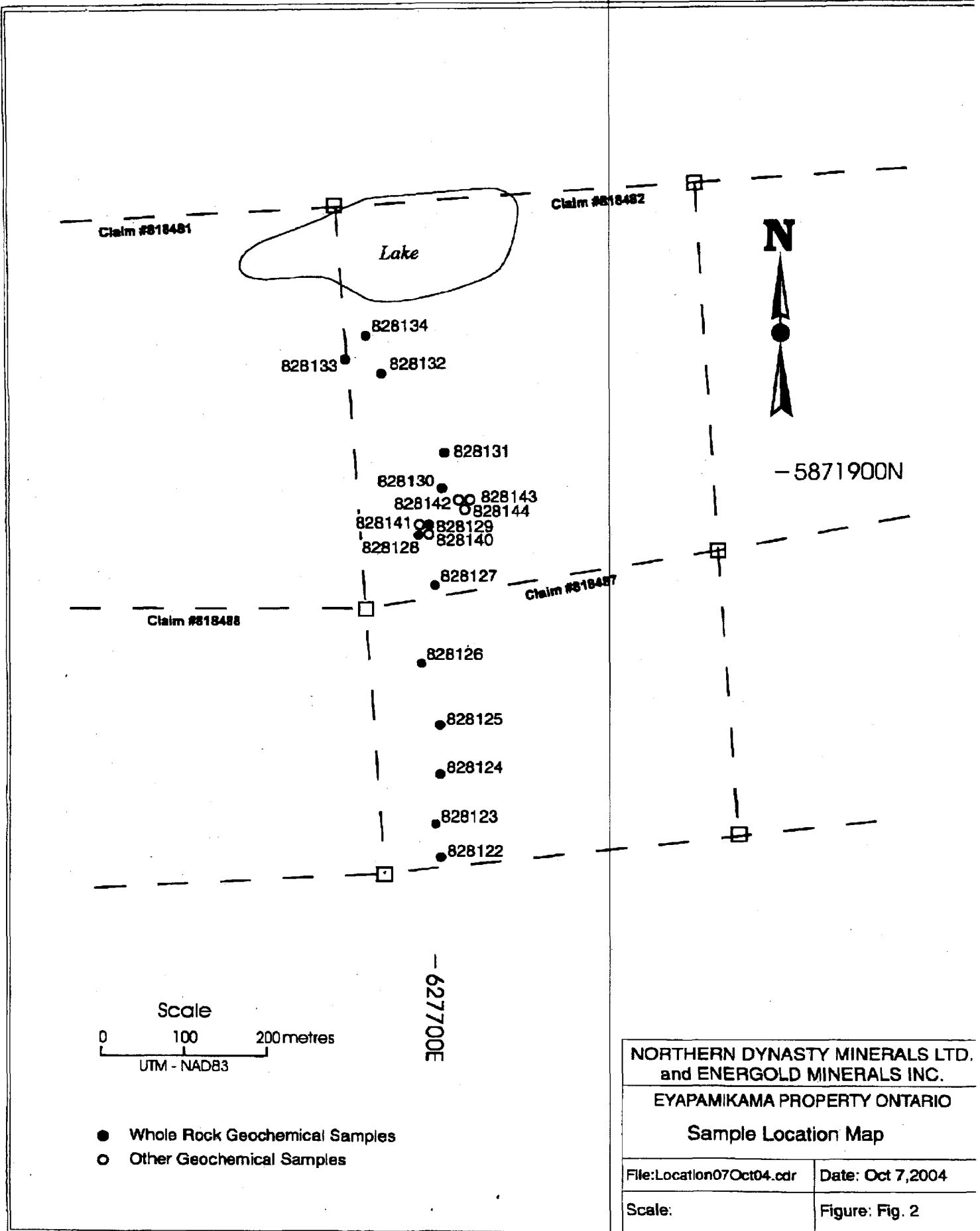
Robert J. Tremblay, P.Geol.
October 8th, 2004



SCALE
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Area of surface samples
(see Figure 2)

NORTHERN DYNASTY MINERALS LTD. and ENERGOLD MINERALS INC.	
EYAPAMIKAMA PROPERTY ONTARIO Claim Map And Area Of Surface Sampling	
DRAWING: claims10Oct07.dwg	DATE: Oct 7, 2004
SCALE:	FIGURE: Figure 1



NORTHERN DYNASTY MINERALS LTD.
and ENERGOLD MINERALS INC.

EYAPAMIKAMA PROPERTY ONTARIO

Sample Location Map

File: Location07Oct04.cdr Date: Oct 7, 2004

Scale: Figure: Fig. 2

Appendix 1 – Geochemical Analysis Results and Sample Descriptions

**NORTHERN DYNASTY MINERALS LTD.
EYAPAMIKAMA LAKE PROPERTY
SEPTEMBER 2004 PROGRAM - SAMPLE LOCATION AND GEOCHEMICAL ANALYSIS RESULTS**

Sample #	Location U.T.M. NAD 83	SAMPLE DESCRIPTION	Al ₂ O ₃ PCT	BaO PCT	CaO PCT	Cr ₂ O ₃ PCT	Fe ₂ O ₃ PCT	K ₂ O PCT	MgO PCT
828122	627705m E, 5871455m N	Mafic metavolcanic.	14.22	<0.01	14.34	0.03	12.82	0.09	7.16
828123	627705m E, 58 71495m N	Northern edge of wide outcrop of debris flow (sedimentary or volcanic?); volcanic-looking.	9.93	0.02	9.98	0.20	11.00	0.48	12.13
828124	627710m E, 58 71555m N	Debris flow (sedimentary or volcanic); schistose.	13.94	0.03	6.00	0.06	11.93	1.18	9.03
828125	627712m E, 58 71605m N	Same as above	9.18	0.01	9.37	0.35	11.51	0.09	12.32
828126	627686m E, 58 71685m N	Debris flow unit; still schistose; volcanic looking in places.	10.11	0.02	8.88	0.30	11.71	0.71	12.51
828127	627702m E, 58 71778m N	Debris flow unit.	7.72	<0.01	9.51	0.29	10.94	0.17	13.55
828128	627682m E, 58 71836m N	Possibly weakly sheared felsic volcanic, or chemical (cherty) sediment.	9.56	0.03	0.32	0.04	4.32	2.82	1.78
828129	627681m E, 58 71843m N	Same as above; more massive-looking, with very few levels of bedding or well developed tectonic shearing.	11.82	0.02	4.92	0.06	7.03	2.37	4.26
828130	627721m E, 58 71882m N	Weakly sheared felsic volcanic or tuff and chemical sediments; well banded.	12.52	0.02	6.37	0.02	14.04	0.84	4.62
828131	627716m E, 58 71930m N	Weakly sheared intermediate volcanic; andesite or dacite	12.76	0.01	12.57	0.13	12.66	0.50	7.53
828132	627642m E, 58 72015m N	Metavolcanic, andesitic; homogeneous composition; weak to moderately sheared and chloritic.	8.10	0.01	13.17	0.30	15.47	0.32	12.01
828133	627604m E, 58 72038m N	Same as above.	14.02	0.03	8.97	0.12	11.38	1.28	6.73
828134	627624m E, 58 72067m N	Same as above.	14.57	0.01	7.32	0.14	17.47	0.32	14.23

Prepared by: Robert J. Tremblay P.Geol, October 8th, 2004

**NORTHERN DYNASTY MINERALS LTD.
EYAPAMIKAMA LAKE PROPERTY
SEPTEMBER 2004 PROGRAM - SAMPLE LOCATION AND GEOCHEMICAL ANALYSIS RESULTS**

Sample #	Location U.T.M. NAD 83	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	SrO PCT	TiO2 PCT	LOI PCT	TOT PCT	Rb PPM	Nb PPM	Zr PCT	Y PCT
828122	627705m E, 5871455m N	0.41	1.44	0.06	42.97	0.01	0.70	4.83	99.09	2	<2	38	26
828123	627705m E, 58 71495m N	0.24	1.10	0.04	51.91	0.01	0.49	1.58	99.10	9	4	46	13
828124	627710m E, 58 71555m N	0.21	3.11	0.05	51.24	0.02	0.62	0.92	98.33	39	3	42	16
828125	627712m E, 58 71605m N	0.23	0.84	0.03	52.55	0.01	0.41	1.96	98.86	2	3	40	13
828126	627686m E, 58 71685m N	0.26	1.26	0.06	50.88	0.01	0.45	1.21	98.36	17	3	50	13
828127	627702m E, 58 71778m N	0.25	0.91	0.05	53.39	0.02	0.35	1.23	98.37	5	3	39	13
828128	627682m E, 58 71836m N	0.06	0.26	0.03	77.25	0.01	0.60	1.49	98.58	64	6	80	13
828129	627681m E, 58 71843m N	0.19	0.23	0.03	65.32	0.01	0.65	1.61	98.52	62	6	94	15
828130	627721m E, 58 71882m N	0.55	0.41	0.10	56.15	0.02	1.23	1.24	98.14	35	4	84	35
828131	627716m E, 58 71930m N	0.27	0.54	0.04	48.84	0.01	0.63	2.77	99.25	18	2	33	16
828132	627642m E, 58 72015m N	0.43	0.46	0.04	44.91	<0.01	0.41	3.08	98.72	9	2	21	10
828133	627604m E, 58 72038m N	0.25	2.29	0.06	50.04	0.01	0.71	3.18	99.07	39	3	42	17
828134	627624m E, 58 72067m N	0.32	0.68	0.04	39.27	<0.01	0.76	4.10	99.24	14	3	43	18

Prepared by: Robert J. Tremblay P.Geol, October 8th, 2004

**NORTHERN DYNASTY MINERALS LTD.
EYAPAMIKAMA LAKE PROPERTY
SEPTEMBER 2004 PROGRAM - SAMPLE DESCRIPTION AND SELECTED ANALYSIS RESULTS**

Sample #	Sample Location U.T.M. NAD 83 Zone 15	Sample Description	Au ppm	Ag ppm	Zn Ppm	Cu ppm	Pb ppm
828140	627682m E, 58 71836 m N same location as 828128	Rusty weakly sheared felsic volcanic or chemical (cherty) sediment; intermittent bands well mineralized with 5-10% very fine grained, powdery Py and Po.	0.037	0.20	86	222	12
828141	627681m E, 58 71843m N same location as 828129	Felsic volcanic or cherty tuff; with weakly developed bedding and a weak to moderately developed schistosity; mineralized with 3-8% Py and lesser Po.	0.015	0.30	73	223	12
828142	627740m E, 58 71863m N about 10+30 E, B.L. 0+00	Light grey to cream-coloured, very siliceous-cherty unit; well banded; moderately rusty 30 cm-thick horizon; mineralized with 5-15% very fine dusty Py and Po; and visible traces of Cp and Zn; sector of Zn-Pb-Cu-Ag-rich soils.	0.032	86.70	1980	2490	945
828143	Same as 828142	Same as above; collected 30 cm east and 30 cm south of 828142; well mineralized as above; with visible traces of Cp and Sp.	0.005	22.80	1335	617	688
828144	Same as 828142	Same as above; collected 2.5 m south of 828142; well mineralized as above; with 3-5% Sp and visible traces of Gn and Cp.	0.027	110.00	>10000 1.19%	344	3380

Prepared by: Robert J. Tremblay P.Geo, October 8th, 2004

Legend : Py: Pyrite; Po: Pyrrhotite; Cp: Chalcopyrite; Sp: Sphalerite; Gn: Galena; Zn: zinc; Pb: lead; Cu: copper; Ag: silver

Appendix 2 – Geochemical Lab Reports



ALS Chemex
 EXCELLENCE IN ANALYTICAL CHEMISTRY
 ALS Canada Ltd.
 212 Brooksbank Avenue
 North Vancouver BC V7J 2C1 Canada
 Phone: 604 984 0221 Fax: 604 984 0218

To: NORTHERN DYNASTY MINERALS LTD.
 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

Page: 1
 Finalized Date: 1-OCT-2004
 Account: NMA

CERTIFICATE TB04064052

Project:
 P.O. No.:
 This report is for 13 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 22-SEP-2004.
 The following have access to data associated with this certificate:
 BRUCE YOUNGMAN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Acc w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-XRF05	Trace Level XRF Analysis	XRF
ME-XRF08	Whole Rock Package - XRF	XRF
OA-GRA06	LOI for ME-XRF06	WST-SIM

To: NORTHERN DYNASTY MINERALS LTD.
 ATTN: BRUCE YOUNGMAN
 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd

212 Brooksbank Avenue
 North Vancouver BC V7J 2C1 Canada
 Phone: 804 984 0221 Fax: 804 984 0218

To: NORTHERN DYNASTY MINERALS LTD.
 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

Page: 2 - A
 Total # Pages: 2 (A - B)
 Finalized Date: 1-OCT-2004
 Account: NMA

CERTIFICATE OF ANALYSIS TB04064052

Sample Description	Method Analyte Units LOR	WEI-21	ME-XRF05	MF-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05	ME-XRF05
		Recvd Wt. kg	Nb ppm	Rb ppm	Y ppm	Zr ppm	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %
828122		0.64	<2	2	26	38	42.97	14.22	12.82	14.34	7.16	1.44	0.09	0.03	0.70	0.41
828123		0.89	4	8	13	46	51.91	9.93	11.00	9.98	12.13	1.10	0.48	0.20	0.49	0.24
828124		0.57	3	39	16	42	51.24	13.94	11.93	6.00	9.03	3.11	1.18	0.06	0.82	0.21
828125		0.77	3	2	13	40	52.55	9.18	11.51	9.37	12.32	0.84	0.09	0.35	0.41	0.23
828126		0.69	3	17	13	50	50.88	10.11	11.71	8.88	12.51	1.26	0.71	0.30	0.45	0.28
828127		0.74	3	5	13	39	53.39	7.72	10.94	9.51	13.65	0.91	0.17	0.29	0.35	0.25
828128		0.52	6	84	13	80	77.25	9.58	4.32	0.32	1.78	0.26	2.82	0.04	0.60	0.06
828129		0.75	6	82	15	94	85.32	11.82	7.03	4.92	4.26	0.23	2.37	0.06	0.65	0.19
828130		1.18	4	35	35	84	58.15	12.52	14.04	6.37	4.82	0.41	0.84	0.02	1.23	0.55
828131		0.65	2	18	16	33	46.84	12.76	12.86	12.57	7.53	0.54	0.50	0.13	0.63	0.27
828132		0.84	2	9	10	21	44.91	8.10	15.47	13.17	12.01	0.46	0.32	0.30	0.41	0.43
828133		0.55	3	39	17	42	50.84	14.02	11.38	8.97	6.73	2.29	1.28	0.12	0.71	0.25
828134		0.28	3	14	18	43	39.27	14.57	17.47	7.32	14.23	0.68	0.32	0.14	0.76	0.32



ALS Chemex
 EXCELLENCE IN ANALYTICAL CHEMISTRY
 ALS Canada Ltd.
 212 Brooksbank Avenue
 North Vancouver BC V7J 2C1 Canada
 Phone: 604 984 0221 Fax: 604 984 0218

To: NORTHERN DYNASTY MINERALS LTD.
 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

Page: 2 - B
 Total # Pages: 2 (A - B)
 Finalized Date: 1-OCT-2004
 Account: NMA

CERTIFICATE OF ANALYSIS TB04064052

Sample Description	Method Analyte Units LOR	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
		P2O5	SrO	BaO	LOI	Total
		%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01
828122		0.06	0.01	<0.01	4.83	99.09
828123		0.04	0.01	0.02	1.58	99.10
828124		0.05	0.02	0.03	0.92	98.33
828125		0.03	0.01	0.01	1.96	98.86
828126		0.06	0.01	0.02	1.21	98.36
828127		0.05	0.02	<0.01	1.23	98.37
828128		0.03	0.01	0.03	1.49	98.58
828129		0.03	0.01	0.02	1.61	98.52
828130		0.10	0.02	0.02	1.24	98.14
828131		0.04	0.01	0.01	2.77	99.25
828132		0.04	<0.01	0.01	3.08	98.72
828133		0.06	0.01	0.03	3.18	99.07
828134		0.04	<0.01	0.01	4.10	99.24



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ALS Canada Ltd.
212 Brookbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 964 8221 Fax: 604 964 0218

To: NORTHERN DYNASTY MINERALS LTD.
1028-808 W PENDER ST
VANCOUVER BC V6C 2V6

Page: 1
Finalized Date: 5-OCT-2004
Account: NDM

CERTIFICATE TB04064053

Project:
P.O. No.:
This report is for 5 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 22-SEP-2004.

The following have access to data associated with this certificate:

ERIC TITLEY

BRUCE YOUNGMAN

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rod w/ Bar Code
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - rifle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Ag-AA16	One grade Ag - aqua regia/AA	AAS
Zn-AA16	One grade Zn - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: NORTHERN DYNASTY MINERALS LTD.
ATTN: BRUCE YOUNGMAN
1028-808 W PENDER ST
VANCOUVER BC V6C 2V6

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd
 212 Mackay Street
 North Vancouver BC V7J 2C1 Canada
 Phone: 604 984 6221 Fax: 604 984 0216

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 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

Page: 2 - 1
 Total # Pages: 2 (A - C)
 Finalized Date: 5-OCT-2004
 Account: NM/

CERTIFICATE OF ANALYSIS TB04084053

Sample Description	Melted Analyte Usha LOR	WE1-25	Au-AA25	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Precd Wt.	As ppm	Ag ppm	Al %	Ar ppm	B ppm	Br ppm	Ca ppm	Cl ppm	Co %	Cd ppm	Ce ppm	Cr ppm	Cu ppm	Fe ppm
		0.07	0.985	0.2	0.01	7	10	10	0.5	2	0.01	0.5	1	1	1	0.01
828140		0.22	0.039	0.2	4.63	7	<10	210	<0.5	<2	8.36	<0.5	26	305	221	9.83
828141		0.27	0.015	0.3	5.09	7	<10	170	<0.5	<2	3.45	<0.5	24	279	223	4.29
828142		0.85	0.032	06.7	4.11	1610	<10	100	<0.5	10	1.33	19.5	31	90	2400	8.78
828143		0.41	0.006	22.8	5.79	1140	<10	110	<0.5	4	1.04	9.5	54	121	817	7.72
828144		0.42	0.027	>100	5.18	80	<10	70	<0.5	16	1.76	77.1	48	116	344	7.30



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ALS Canada Ltd
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 VANCOUVER BC V6C 2V8

Page: 2 - I
 Total # Pages: 2 (A - C)
 Finalized Date: 5-OCT-200
 Account: NMD

CERTIFICATE OF ANALYSIS TB04064053

Sample Description	Method Analysis Units LDR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ca	Hg	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Se	Si
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		19	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
828140		10	<1	2.38	10	1.38	709	8	0.14	130	250	12	0.61	<2	10	20
828141		10	1	1.89	10	2.04	1070	9	0.13	100	120	12	0.53	<2	13	47
828142		10	1	1.31	<10	1.19	711	<1	0.12	90	400	945	2.00	4	22	21
828143		10	2	1.82	<10	1.78	608	<1	0.22	164	490	886	1.66	2	27	24
828144		10	4	1.78	<10	1.46	800	<1	0.17	121	400	3300	1.11	43	24	24



ALS Chemex
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 212 Brookbank Avenue
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 1020-800 W PENDER ST
 VANCOUVER BC V6C 2V6

Page: 2
 Total # Pages: 2 (A)
 Finalized Date: 5-OCT-04
 Account: N

TOTAL P. 07

CERTIFICATE OF ANALYSIS TB04064053

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA44	Zn-AA44
	Analyte	Tl	Tl	U	V	W	Zn	Ag	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.01	10	10	1	10	2	1	0.01
828140		0.26	<10	<10	123	<10	25		
828141		0.25	<10	<10	107	<10	73		
828142		0.18	<10	<10	196	<10	1589		
828143		0.28	<10	<10	264	<10	1335		
828144		0.25	<10	<10	221	<10	>10000	310	1.19

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



Date: 2004-OCT-22

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

NORTHERN DYNASTY MINERALS LTD.
1020-800 W. PENDER ST.,
VANCOUVER, BRITISH COLUMBIA
V6C 2V6 CANADA

Tel: (888) 415-9845
Fax: (877) 670-1555

Submission Number: 2.28576
Transaction Number(s): W0430.01590

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

A handwritten signature in black ink that reads "Ron C Gashinski".

Ron C. Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

Northern Dynasty Minerals Ltd.
(Claim Holder)

Bruce A Youngman
(Agent)

Assessment File Library

Northern Dynasty Minerals Ltd.
(Assessment Office)

Date / Time of Issue: Thu Nov 04 13:09:20 EST 2004

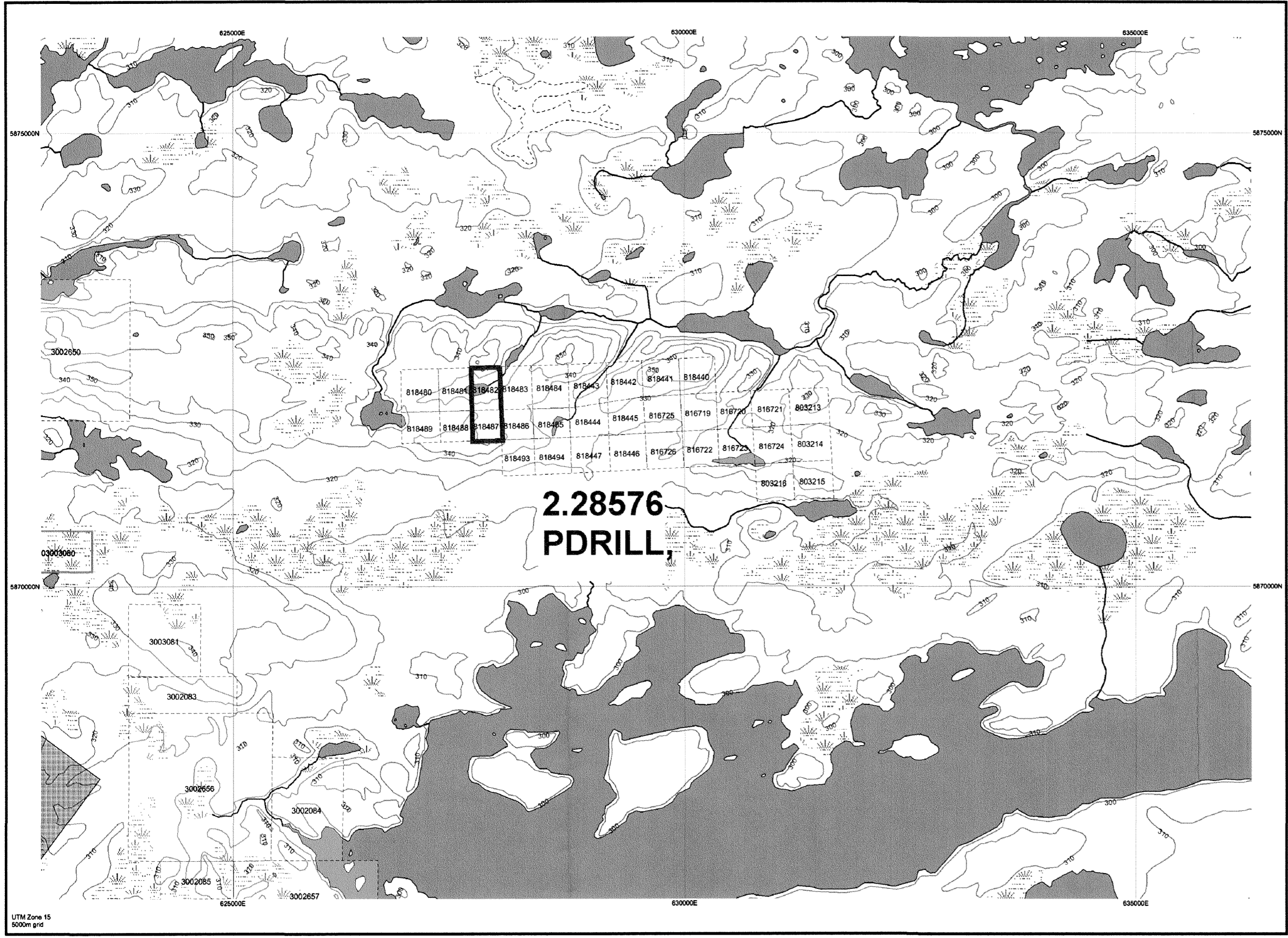
TOWNSHIP / AREA
KEYYASK LAKE AREA

PLAN
G-2085

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Patricia
KENORA
SIOUX LOOKOUT

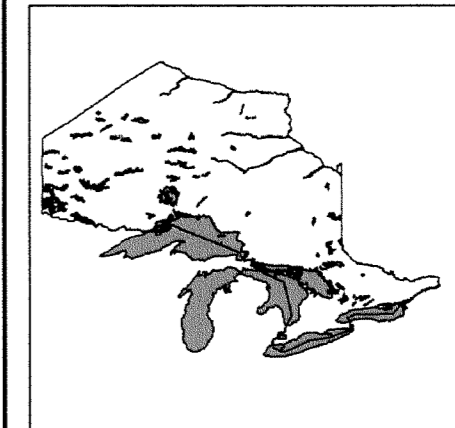


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

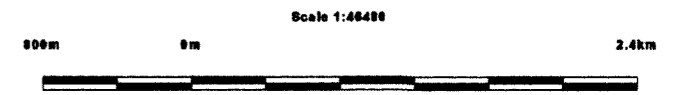
- Freehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation**
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement



LAND TENURE WITHDRAWALS

- Mining Claim
- Filed Only Mining Claims
- Area Withdrawn from Disposition
 - Mining Acts Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
 - Order In Council Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn

IMPORTANT NOTICES



UTM Zone 15
5000m grid

For more information contact the Ministry of Northern Development and Mines for additional title determination purposes as the information on this map may also be obtained through the Provincial Mining Recorders' Office

General Information and Limitations
Contact Information:
Provincial Mining Recorders' Office
Willat Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6R5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmap.htm

Toll Free
Tel: 1 (888) 415-9845 ext 5772
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (8 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to staking mining claims may not be illustrated.

