85-1055-14633

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,633

Geophysical Report on the

DAG GROUP CLAIMS

Located at Coordinates: 55 deg. 42 min. N, 125 deg. 52 min. W
Omineca Mining Division

by: Lyndon Bradish and Gordon Maxwell

NORANDA EXPLORATION COMPANY, LIMITED
(No Personal Liability)

N.T.S. 93 N/12

December, 1985

TABLE OF CONTENTS

APPENDIXES

LIST OF FIGURES

SUMMARY:

The property lies on the northeast end of Diver Lake which is situated about 25 kilometers north of Takla Landing on Takla Lake. The claims cover favourable volcanic stratigraphy of the Sitlika Assemblage that closely resembles the "Kutcho Group" which hosts the Kutcho volcanogenic massive sulphide deposit.

During September of 1985, Norex personnel completed about 2.5 kilometers of linecutting, HLEM and Mag surveys over a previously outlined airborne EM target. Although the ground geophysics failed to locate the target, it is felt that further work is still warranted.

INTRODUCTION:

The DL 1 claim was staked by R. Baerg, an employee of Noranda Exploration Company, Limited in October of 1984. The ground was acquired to cover favourable volcanic stratigraphy adjoining the DAG 1 claim. The DAG 1 claim and the DL 1 claims have been grouped for the purpose of assessment. The grid containing the geophysical survey is located on the DAG 1 claim. The geophysical survey was conducted under the supervision of Gordon Maxwell and Kevin Lillie.

LOCATION AND ACCESS:

The property is situated approximately 25 kilometers due north of the village of TAKLA LANDING. The claim is located immediately north of the east end of Diver Lake. Access to the property is via a series of logging roads off the Takla Landing access road or by helicopter to areas of higher elevation.

CLAIM STATISTICS:

The claim consists of 20 units staked using the modified grid system and lies within the Omineca Mining Division on map 93N/12W.

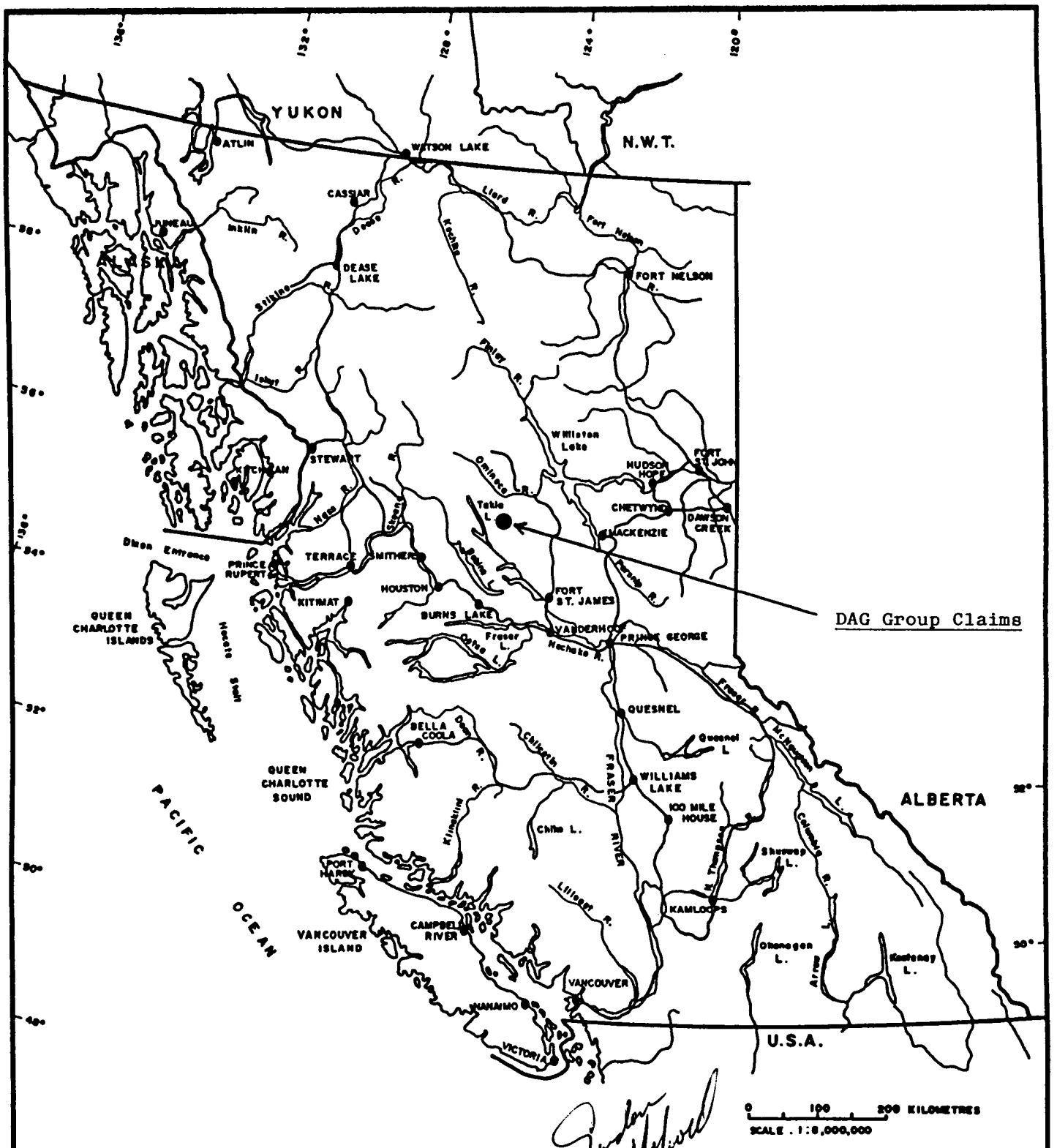
Claim Name	# Units	Record #	Record Date
DL 1	20	6839	Nov. 14/84
DAG 1	16	6253	May 31/84

GRID:

The grid was established by Norex personnel and consists of 2.325 kilometers of grid line controlled by 300 meters of baseline. The grid was flagged with stations marked at 25 meter intervals along wing lines running at an azimuth of 080 degrees.

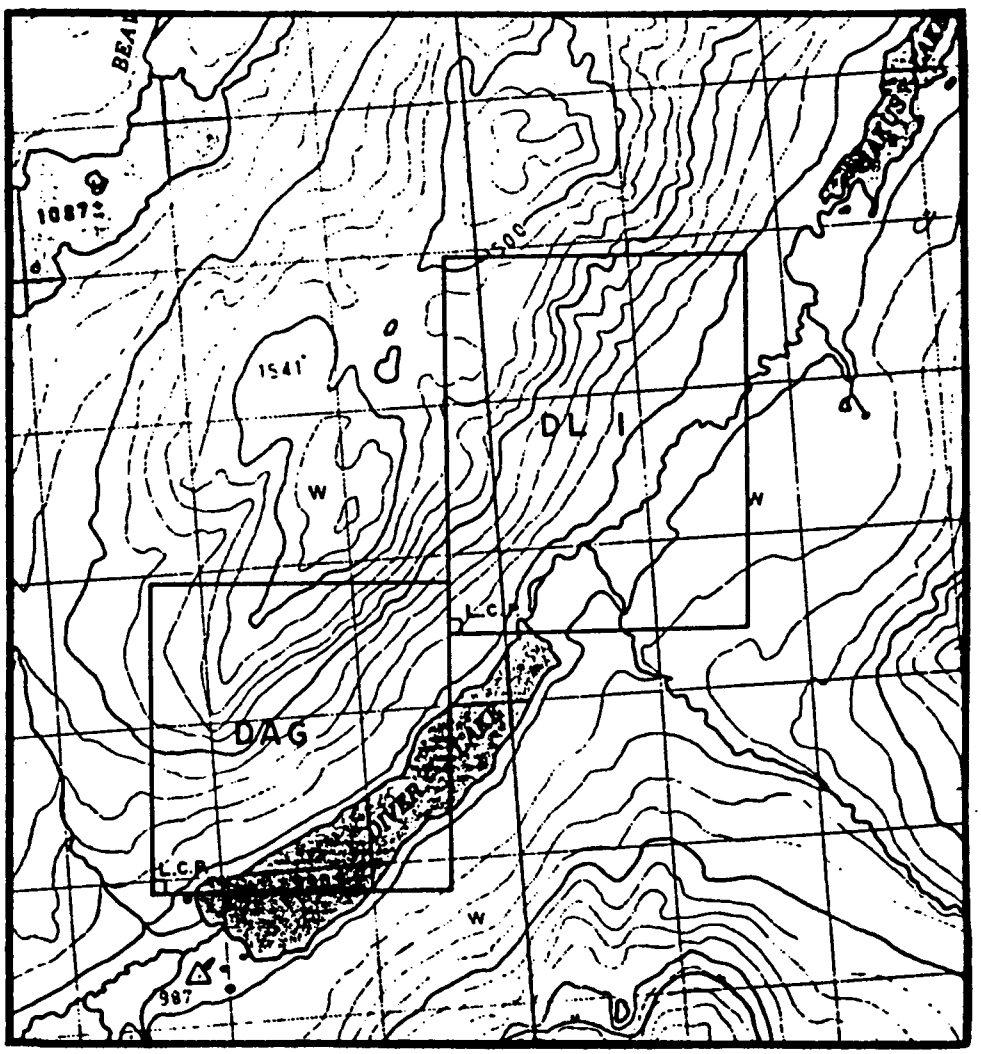
REGIONAL GEOLOGY:

The area is underlain by Upper Triassic to Lower Jurassic volcanic and sedimentary rocks of the Sitlika Assemblage which have been regionally metamorphosed to greenschist facies (Paterson, 1974). This assemblage is composed mainly of well foliated andesitic to rhyolitic pyroclastics and flows with lesser amounts of greywacke, siltstone and phyllite. The Sitlika volcanics are characterized by local development of sericite, quartz-sericite and chlorite schists. The Takla Fault separates the Sitlika rocks from the Tertiary Sustat Group to the west. The Permian Cache Creek rocks to the east are separated from the Sitlika by the Vital Fault and a serpentinite melange. The Cache Creek Group is bounded to the east by the Pinchi Fault and the Jurassic Hogem Batholith.



REVISED	DIVER LAKE OPTION
	Location Map
PROJ. No. 148	SURVEY BY: R. B. DATE: May 1985
N.T.S. 93N/12	DRAWN BY: S.K.B. SCALE: 1:8,000,000
DWG. No. 1	NORANDA EXPLORATION
	OFFICE: PRINCE GEORGE, B.C.

VANCAL 11987



REVISED	DIVER LAKE OPTION
	Claim Map
PROJ.No. 248	SURVEY BY: R.B. DATE: May 1985
N.T.S. 93N/12	DRAWN BY: S.K.B. SCALE: 1:50,000
DWG. No. 2	NORANDA EXPLORATION OFFICE: Prince George, B.C.

GEOPHYSICS:

a) Instrumentation

SE-88 E.M. SYSTEM The SE-88 unit differs from the normal HLEM systems such as the MaxMin II above in that it measures without regard to phase, the ratio of signal amplitude between two frequencies which are transmitted and received simultaneously. A low frequency of 112 Hz is used as a reference frequency. The signal difference is integrated or averaged over a period of time in order to improve the signal to noise ratio.

The survey parameters employed on the programme are as follows:

Coil separation	: 100 meters
Frequencies	: 3037, 1012, 337 Hz
Reference frequency	: 112 Hz
Integration period	: 16 seconds
Reading interval	: 25 meters
Measurement	: ratio of amplitude between reference and signal frequencies (%).

MP-3 MAGNETOMETER SYSTEM Magnetometers manufactured by Scintrex Ltd. of Concord, Ontario were employed for these surveys. The MP-3 Total Field Magnetometer System consists of one or more field units and a base station. Diurnal and day to day variations are automatically corrected at the end of the survey by the built in microprocessor giving the data a useable accuracy of 1 gamma. Magnetic readings were obtained at 12.5 meter intervals.

b) Discussion of Results

The E.M. survey failed to define any source of bedrock conductivity within the limitations off the SE-88 system. The magnetometer survey did not define any outstanding anomalous features. A short, narrow magnetic anomaly 400 nT in amplitude is located over the west side of the grid.

The airborne E.M. survey located weak anomalous responses (conductivity less than 2 Siemens) to the immediate northwest and southwest of the DAG grid. Grid extensions should be considered if the geology is encouraging and surveyed with SE-88 and mag.

CONCLUSIONS:

Although the ground geophysical survey failed to detect a conductive source for the airborne EM response, the property still warrants further examination. The property is underlain by favourable volcanic stratigraphy of the Sitlika Assemblage which appears similar to the "Kutcho Group" stratigraphy which host the Kutcho volcanogenic massive sulphide deposit.

RECOMMENDATIONS:

1. The grid should be extended to the southeast and northeast, since the present grid may not have completely covered the area of the airborne EM anomalies.

2. Further detail geologic mapping is required to outline the areas of favourable volcanic stratigraphy.

3. A soil geochem survey should be completed over the entire grid.

REFERENCES

Paterson, I.A. 1974, Geology of Cache Creek Group and Mesozoic Rocks at the Northern End of the Stuart Lake Belt, Central B.C., Geological Survey Canada, 74-1B.

APPENDIX I

STATEMENT OF QUALIFICATIONS
****

I, Lyndon Bradish of Vancouver, Province of British Columbia, do hereby certify that:

1. I am a Geophysicist residing at 1826 Trutch Street, Vancouver British Columbia.

2. I am a graduate of the University of British Columbia with a B.Sc. (geophysics).

3. I am a member in good standing of the Society of Exploration Geophysicists, Canadian Institute of Mining and the Prospector's and Developer's Association.

4. I presently hold the position of Division Geophysicist with Noranda Exploration Company, Limited and have been in their employ since 1973.

L. Bradish.

APPENDIX I

STATEMENT OF QUALIFICATIONS

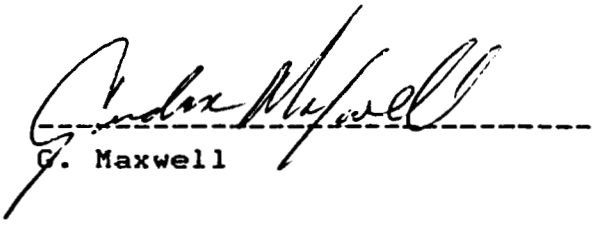
I, Gordon Maxwell of Prince George, Province of British Columbia, do hereby certify that:

1. I am a Geologist residing at 6162 Caledonia Crescent, Prince George, British Columbia.

2. I am a graduate of the University of Manitoba with an Hons. B. Sc. (geology).

3. I am a member in good standing of the Canadian Institute of Mining and the Prospector's and Developer's Association.

4. I presently hold the position of Project Geologist with Noranda Exploration Company, Limited and have been in their employ since 1980.



G. Maxwell

APPENDIX II

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

DATE: December 1985

PROJECT - DL 1, DAG 1
TYPE OF REPORT - Geophysical

a) **Wages:**

Geophysics - 3 @ $125.00/day	$ 375.00
Linecutting - 2 @ $110.00/day	$ 220.00
Total Wages -	$ 595.00

b) **Food and Accommodation:**

5 mandays @ $50.00/day	$ 250.00

c) **Transportation:** (Bell 206) $ 800.00

d) **Cost of Preparation of Report:**

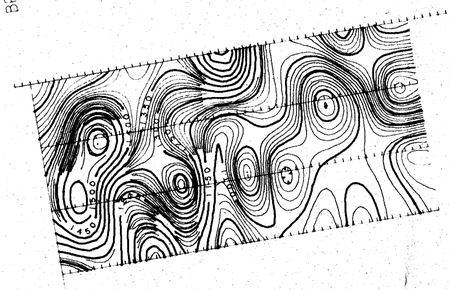
Author	$ 130.00
Drafting	115.00
Typing	110.00
	$ 355.00

TOTAL COST: $ 2,000.00

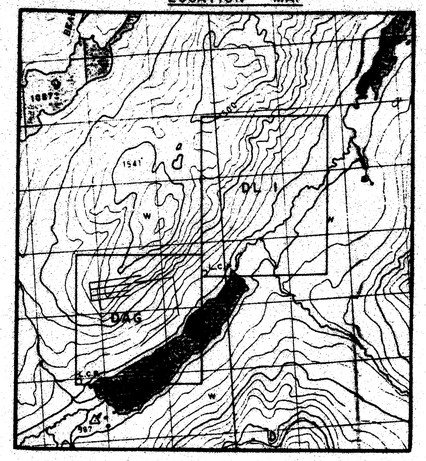
3600E
3800E
4000E
4200E
4400E
4600E
4800E
5000E
5200E
5400E
5600E
5800E
6000E
6200E

BASELINE

5000N
4900N
4850N
4800N
4700N
4250N



LOCATION MAP



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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Instrument : MP-3
Field : TOTAL
Datum : 57000.0 nT

Contour Interval : 10 nT
(6 passes through a 9 pt. Hanning Filter.)
(8 passes through a 3 pt. Hanning Filter.)

Conductor Axis :

100m 50m 0m 100m 200m

DAG

MAGNETOMETER SURVEY
(FILTERED CONTOUR PRESENTATION)
PROJECT: TAKLA-NAK PROJECT # : 248
BASELINE AZIMUTH : 170 Deg.

SCALE = 1: 5000 DATE : 9/21/85
SURVEY BY: SH NTS : 93N/12
FIG. 4 FILE: M248DAG.ZAT
NORANDA EXPLORATION

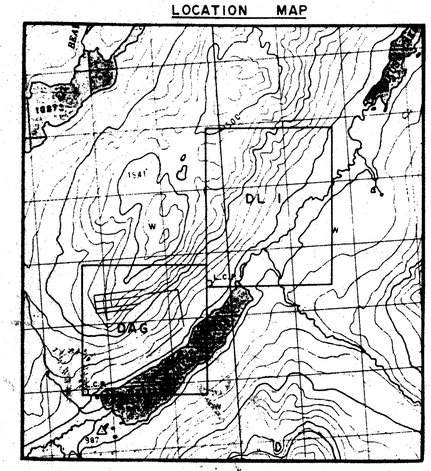
ers. 2.20 Mon 9 Dec 1985 at 15:18 Grid Center at 4782.5E 4625.0N

3400E
3600E
3800E
4000E
4200E
4400E
4600E
4800E
5000E
5200E
5400E
5600E
5800E
6000E
6200E
6400E

BASELINE

5000.0N
4900.0N
4850.0N
4800.0N
4700.0N
4250.0N

LOCATION MAP



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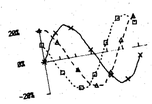

Instrument : SE88
Coil Spacing : 100m
Ref. Frequency : 112 Hz
Vertical Scale : 1 cm = 20%
Conductor Axis :
337 Hz
1012 Hz
3037 Hz

50m 0m 100m 200m

DAG

SE-88 SURVEY

PROJECT: TAKLA-NAK PROJECT # : 268
BASELINE AZIMUTH : 170 Deg.

SCALE = 1: 5000 DATE : 9/21/85
SURVEY BY: KL/BG NTS : 93N/12
FILE: S268DAG.ZAT
NORANDA EXPLORATION

FIG. 3

Vers. 3.18 Fri 8 Dec 1985 at 11:48 Mar Profile Grid Center at 4782.5E 4825.0N