

LOG NO: 12-31	RD.
ACTION: Date received back from amendment.	
FILE NO: 20228	

GEOPHYSICAL
SUMMARY REPORT

WEBB 1-8; NAT 1-7 CLAIMS

OMINECA MINING DIVISION
CENTRAL B.C.

N.T.S. 93 N/1

LATITUDE: 55°10' North
LONGITUDE: 124°15' West

FOR:

MOONDUST VENTURES INC.
#720 - 475 HOWE ST.
VANCOUVER, B.C.
V6C 2B3

MICHAEL P. MOORE, B.Sc.
NICHOLSON & ASSOCIATES
NATURAL RESOURCE DEVELOPMENT LTD.

DECEMBER, 1990

c:32787

A. E. Valentini
Aerodot Limited

SUMMARY

The Webb-Nat claim block is situated in the Omineca Mining Division of British Columbia, on N.T.S. map sheet 93 N/1 at latitude 55°10' North and longitude 124°15' West. The claim block consists of 256 contiguous claim units which were staked in accordance to the new grid system.

The claims are owned by Grand America Minerals and are currently held under option by Moondust Ventures Inc. which can earn a 70% interest in the property. The properties were staked to cover favourable magnetic anomalies within Takla Volcanics.

An airborne geophysical survey was completed on both the Webb and Nat properties by Aerodat Limited, between November 27 and December 3, 1989. The survey included approximately 680 line kilometres of analysis and resulted in the compilation of a basemap, flight path map, total field magnetic contour map, calculated vertical magnetic gradient, and VLF-EM total field contours, all at a 1:10,000 scale.

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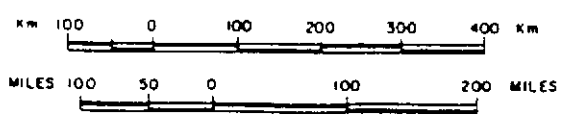
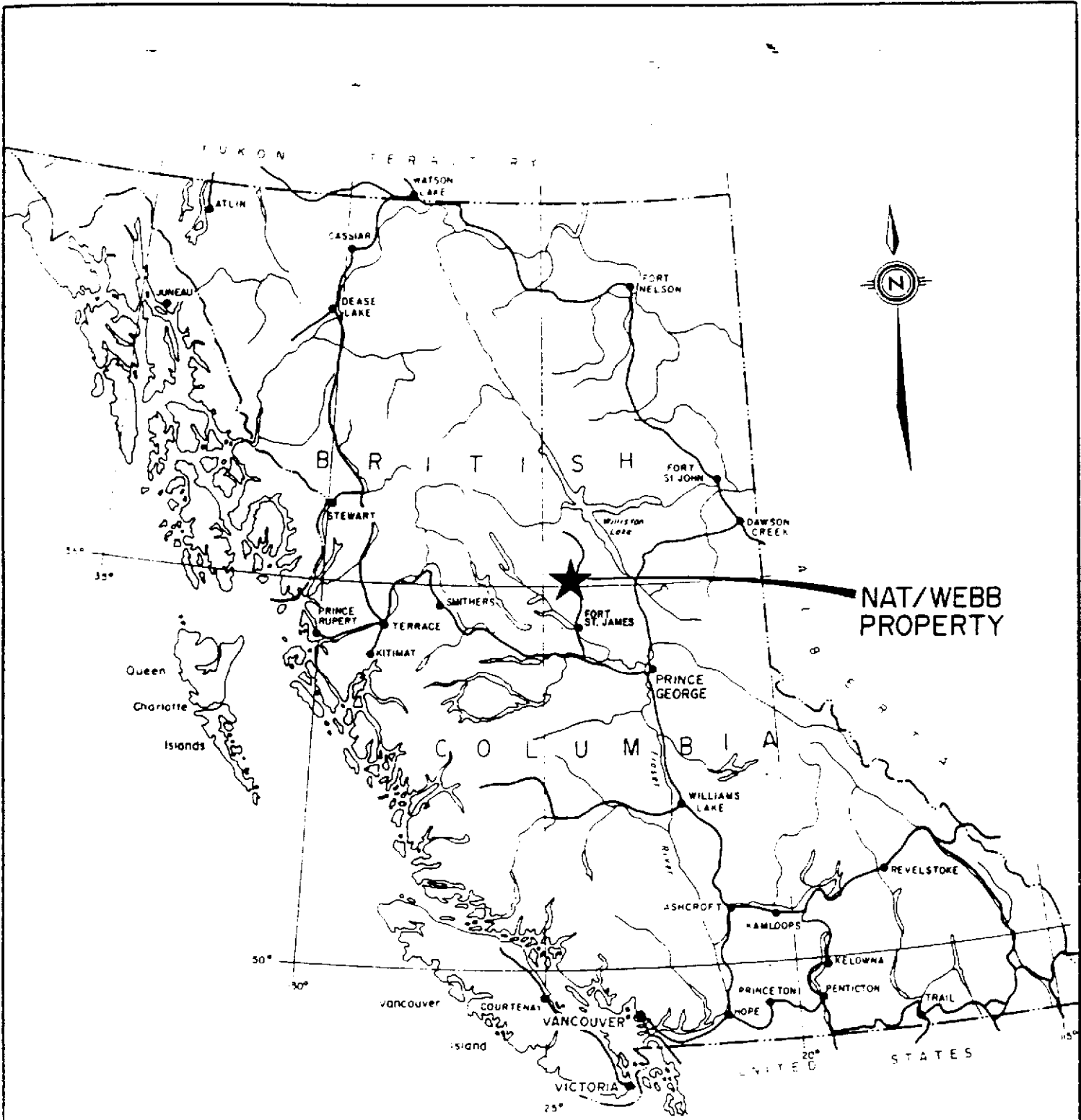
INTRODUCTION

The Webb-Nat claim block is situated in the Omineca Mining Division of British Columbia, longitude 124°15' West, latitude 55°10' North, on N.T.S. map sheet 93 N/1. The claim block consists of 256 contiguous units which are owned by Grand America Minerals and are under option to Moondust Ventures Inc. which can earn a 70% interest in the property.

An airborne geophysical survey was carried out, on both properties, on behalf of Nicholson and Aerodat Limited, between November 27 and December 3, 1989.

LOCATION AND ACCESS

The Webb-Nat claim group is located 10 kilometers southwest of Mt. Milligan. The property is situated at a longitude of 124°15' West and a latitude of 55°10' North on N.T.S. map sheet 93 N/1 within the Omineca Mining Division (Figure 1). The property at present is accessed only by helicopter from either Fort St. James (year round) or from Kalder Lake which is situated at mile 55 on the Manson Creek Highway. Other means of access are by a pack horse trail which has its origin at mile 45 along the Manson Creek Highway. The trail winds its way throughout the property staying primarily on the south side of the Wittsichica River. The trail at present is passable only on foot or by motorcycle.



MOONDUST VENTURES INC.		
NAT/WEBB PROPERTY LOCATION MAP OMINECA M.D., B.C.		
NICHOLSON & ASSOCIATES		
Drawn. J.W.	Date. July, 1990	FIGURE
Scale	N.T.S 93 N 1	1.

CLAIM STATUS

The Webb-Nat claim block was staked in August-September 1989 by Amex Exploration Services of Kamloops. The claim block, which consists of 256 contiguous units, covers an area of 66 km² and is located within the Omineca Mining Division on N.T.S. 93 N/1.

The claims were transferred to Grand America Minerals which later optioned the ground to Moondust Ventures Inc. which can earn a 70% interest in the property by expending \$550,000 on the claims and by making cash payments totalling \$45,000.

The claim status for the Webb-Nat claim block is as follows (figures 2a and 2b):

<u>Claim</u>	<u>Units</u>	<u>Record #</u>	<u>Expiry date</u>
Nat 1	20	11091	Sept. 3, 1991
Nat 2	20	11092	Sept. 4, 1991
Nat 3	20	11093	Sept. 2, 1991
Nat 4	20	11094	Sept. 4, 1991
Nat 5	20	11095	Sept. 3, 1991
Nat 6	8	11097	Sept. 4, 1991
Nat 7	6	11098	Sept. 5, 1991
Webb 1	16	11083	Sept. 1, 1991
Webb 2	20	11084	Sept. 1, 1991
Webb 3	20	11085	Aug. 30, 1991
Webb 4	16	11086	Sept. 1, 1991
Webb 5	20	11087	Aug. 31, 1991
Webb 6	20	11088	Aug. 30, 1991
Webb 7	20	11089	Aug. 31, 1991
Webb 8	18	11090	Aug. 31, 1991

WEBBERLY
LAKE



WEBB 1
11083

WEBB 2
11084

WEBB 3
11085

L.C.P.

L.C.P.

GIDEGINGLA
LAKE

WEBB 4
11086

WEBB 5
11087

WEBB 6
11088

WEBB 7
11089

L.C.P.

WEBB 8
11090

Km 0 5 1 2 Km

MOONDUST VENTURES INC.

NAT/WEBB PROPERTY
CLAIM MAP

OMINECA M.D., B.C.

NICHOLSON & ASSOCIATES

Drawn. J.W.

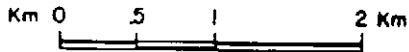
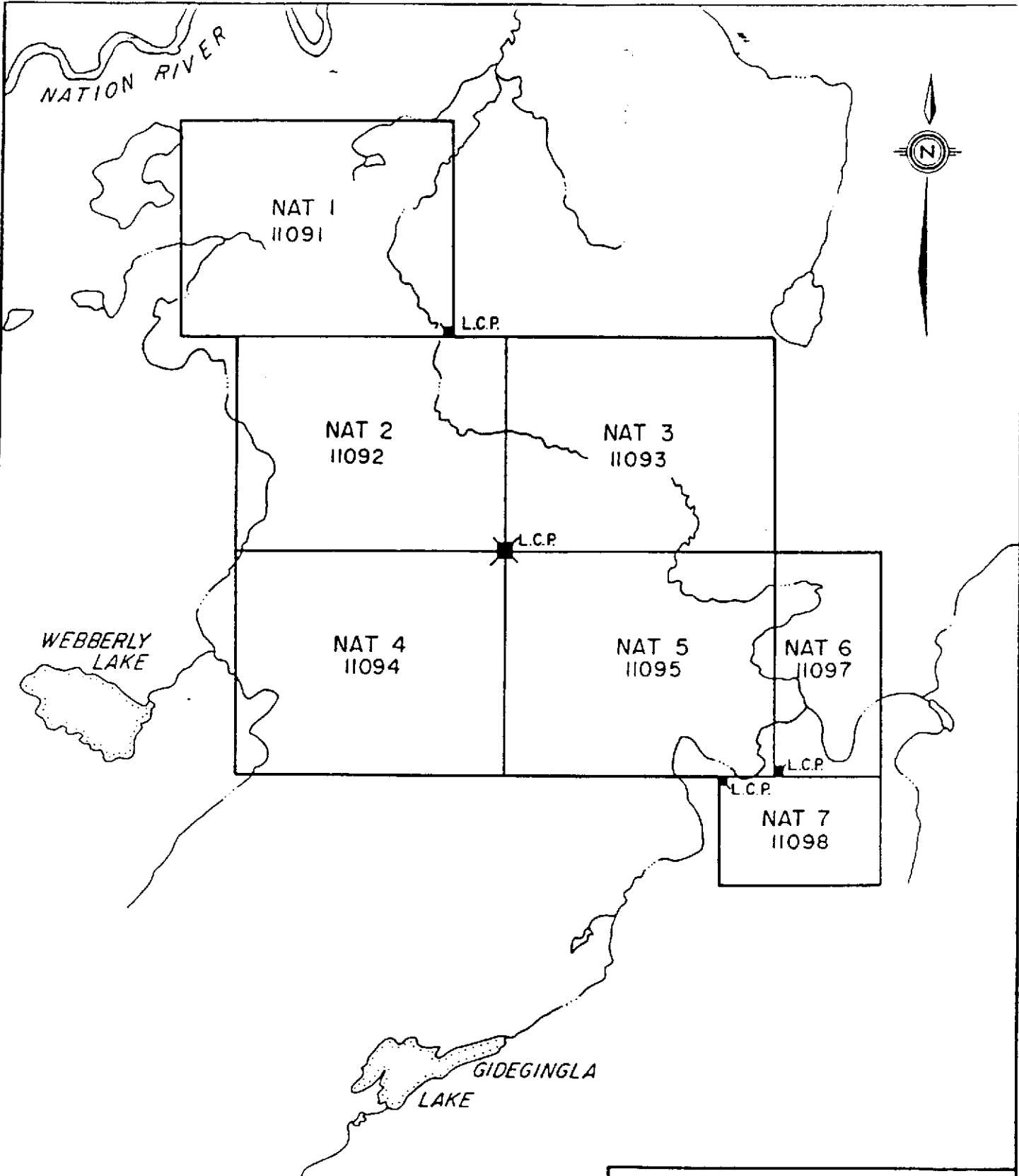
Date. July, 1990

FIGURE

Scale. 1:50,000

N.T.S. 93 NI

2a



MOONDUST VENTURES INC.		
NAT/WEBB PROPERTY CLAIM MAP		
OMINECA M.D., B.C.		
NICHOLSON & ASSOCIATES		
Drawn. J.W.	Date. July, 1990	FIGURE 2b
Scale. 1:50,000	N.T.S. 93 N 1	

PHYSIOGRAPHY AND VEGETATION

The Webb-Nat claim block is situated within the intermontane belt of the Quesnel trough. The property has very little topographic relief and is covered by varying depths of glacial outwash.

The glacial outwash occurs as eskers and glacial fluvial fans which are scattered throughout the property.

Water is plentiful on the property in the form of ground water seepage and runoff. An abundance of swamps on the property provide an adequate water supply for the numerous streams and creeks which flow throughout the property.

Climatically the property is situated in the rainshadow of the Coast Mountain complex. As a result the weather varies from hot and humid conditions in the summer months, to cool, wet fall conditions, to that of 3 meters of snow and -30°C temperatures in the winter months. Because of these weather conditions, the property is readily workable all year round with the exceptions of November, December and March when freeze-up and spring thaw take place, making it somewhat more difficult.

HISTORY

The Webb-Nat area has for the most part seen very little mineral exploration. No record of work is reported in Government publications.

Work likely occurred at some point on the middle section of the property where old blazes, claim posts and camp utensils were found. This work was probably a carry over from the prospectors in the early 1900's who travelled along an old cut trail situated on the property, destined for the placer gold deposits at Manson Creek.

The most recent report of any work in the area has been by a local prospector Richard Haslinger, who prospected in the vicinity to no avail and by the Geological Survey of Canada which flew an airborne magnetometer survey over the area in 1968. The airborne magnetometer survey outlined several areas of geophysical interest and led to the ground being acquired by Grand America Minerals.

WORK SUMMARY

Between the dates of November 27 and December 3, 1989, Aerodat Limited completed an airborne geophysical survey on behalf of Nicholson and Associates, on the Webb-Nat property. Five flights were required to complete the 66 km² area, totalling approximately 680 line kilometres.

Maps compiled by Aerodat include a base map, flight path map, total field magnetic contours, calculated vertical magnetic gradient, and VLF-EM total field contours, all at a 1:10,000 scale. Separate map sheets were drawn up for the Webb and Nat portions of the property.

CONCLUSIONS AND RECOMMENDATIONS

The total field magnetic values in the survey area vary over a range from 57,475 to 59,772 nT. The Webb property is dominated by a large NW-SE striking magnetic high flanked by magnetic lows directly to the north and east. The Nat property has a similar local magnetic feature with a NW-SE strike. It is flanked on the west and north by magnetic lows.

The vertical magnetic gradient calculation has the effect of removing the regional background and of emphasizing and providing greater resolution of shallow, closely spaced features. The zero contour level roughly corresponds to the contact between rocks of differing magnetic susceptibilities. The above characteristics make the vertical gradient data useful in evaluating and mapping geologic structures. Examination of the VLF-EM contours reveal a general north-northeast striking trend in both the Webb and Nat properties.

STATEMENT OF QUALIFICATIONS

I, Michael P. Moore of #56-1386 Nicola Street, Vancouver, B.C., hereby certify that:

1. I am a graduate of Carleton University with a Bachelor of Science (Honours) degree in Geology.
2. I have practised mineral exploration for the past seven years in the provinces of Ontario, Quebec, Nova Scotia, New Brunswick, British Columbia and the Yukon and the state of Idaho, U.S.A.
3. I am an employee of Nicholson & Associates, with offices at #606-675 W. Hastings St., Vancouver, B.C.
4. I have not written any other reports on the Webb-Nat property nor on any other properties within 10 kms of those claims.
5. The present report is based on study of published and unpublished reports.
6. I have not received, nor do I expect to receive, any interest, direct and indirect, in the properties or securities of Moondust Ventures Inc. or in those of their associated companies.
7. Moondust Ventures Inc. and their affiliates are hereby authorized to use this report in, or in conjunction with, any prospectus or statement of material facts.
8. I have no interest in any other property or company holding property within 10 kilometres of the Webb-Nat property.

Dated at Vancouver, B.C. this 18th day of December, 1990.



Michael P. Moore, B.Sc.

APPENDIX I

GEOPHYSICAL TECHNICAL REPORT

**LOGISTICS REPORT ON
COMBINED HELICOPTER-BORNE
MAGNETIC, AND VLF-EM
SURVEY
WEBB AND NAT PROPERTIES
FORT ST. JAMES AREA
BRITISH COLUMBIA**

**FOR
NICHOLSON & ASSOCIATES
NATURAL RESOURCE DEVELOPMENT INC.
BY
AERODAT LIMITED
January 3, 1990**

J8986

Anthony E. Valentini

20278

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LOG NO: 30-08 RD.
ACTION:
FILE NO:

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,228

LIST OF MAPS
(Scale 1:10,000)

Maps:

1. **BASE MAP;**
photomosaic base map.
2. **FLIGHT PATH;**
photocombination of flight lines and fiducials with the base map.
3. **TOTAL FIELD MAGNETICS;**
photocombination of Total Field Magnetic contours with the flight lines and base map.
4. **CALCULATED VERTICAL MAGNETIC GRADIENT;**
photocombination of Calculated Vertical Magnetic Gradient contours with the flight path and base map.
5. **TOTAL FIELD VLF-EM;**
photocombination of Total Field VLF-EM contours with the flight path and base map.

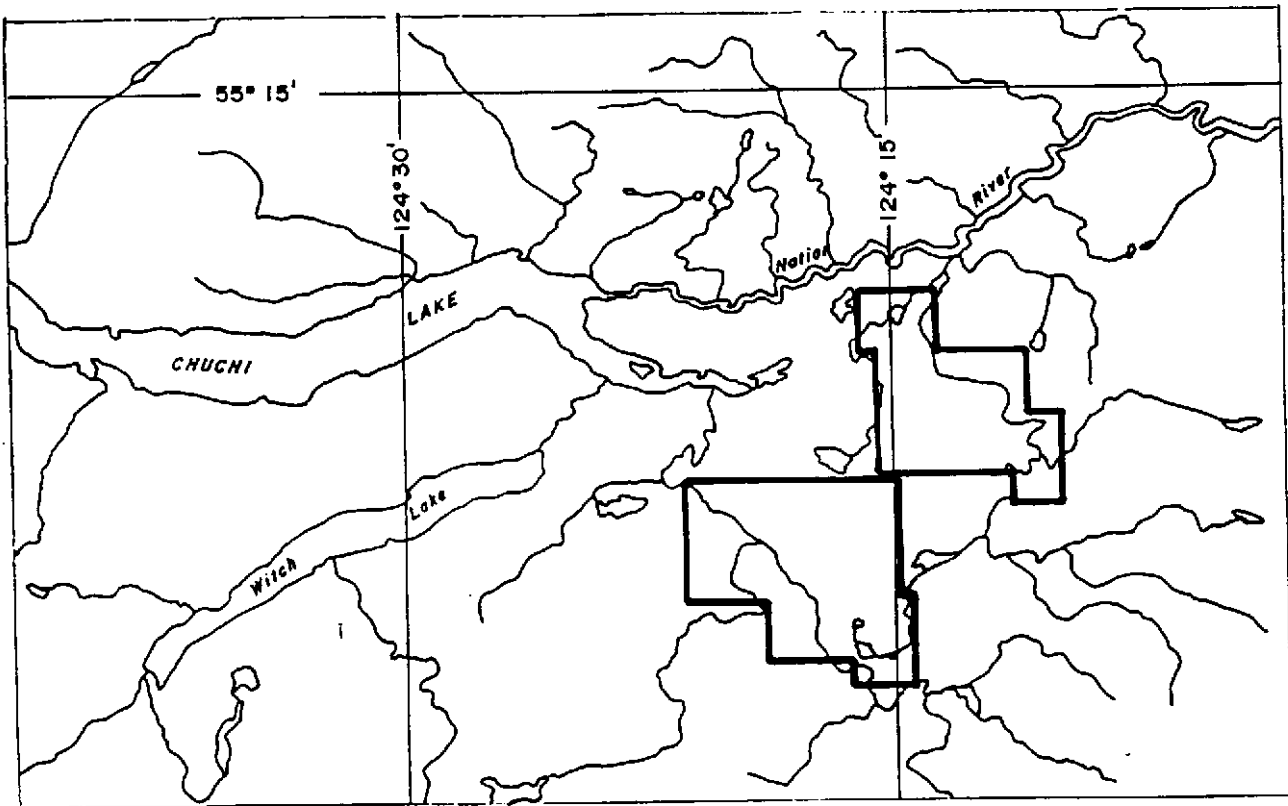
1. INTRODUCTION

This report describes an airborne geophysical survey carried out on behalf of Nicholson & Associates by Aerodat Limited. Equipment operated included a high sensitivity cesium vapour magnetometer, a two frequency VLF-EM system, a power line monitor, a video tracking camera and an altimeter. Electromagnetic, magnetic and altimeter data were recorded both in digital and analog form. Positioning data were encoded on the VHS format video tape as well as being marked on the flight path map by the operator while in flight.

The survey areas are located approximately 60 km north of Fort St. James in Central British Columbia. The grids were flown between November 27 and December 3, 1989. Five flights were required to complete the area, totalling approximately 680 km. The flight lines were spaced at 100 m and oriented in a east-west direction. Coverage and data quality were considered to be well within the specifications described in the service contract.

2. SURVEY AREA LOCATION

The survey areas are depicted on the index map shown below.



3. AIRCRAFT AND EQUIPMENT

3.1 Aircraft

An Aerospatiale AS 315B Lama, (CG-XYM), owned and operated by Peace Helicopters Ltd., was used for the survey. Installation of the geophysical and ancillary equipment was carried out by Aerodat. The survey aircraft was flown at a mean terrain clearance of 60 metres.

3.2 Equipment

3.2.1 VLF-EM System

The VLF-EM System was a Herz Totem 2A. This instrument measures the total field and quadrature components of two selected transmitters, preferably oriented at right angles to one another. The sensor was towed in a bird 12 metres below the helicopter. The transmitters monitored were NLK, Jim Creek, Washington broadcasting at 24.8 kHz and NAA, Cutler, Maine broadcasting at 24.0 kHz.

3.2.2 Magnetometer

The magnetometer employed was a Scintrex Model VIW-2321 H8 cesium, optically pumped magnetometer sensor. The sensitivity of this instrument was 0.1 nanoTeslas at a 0.1 second sampling rate. The sensor was towed in a bird 12 metres below the helicopter.

3.2.3 Magnetic Base Station

A Barringer M234 proton precession magnetometer was operated at the base of operations to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to facilitate later correlation.

3.2.4 Radar Altimeter

A Hoffman HRA-100 radar altimeter was used to record terrain clearance. The output from the instrument is a linear function of altitude for maximum accuracy.

3.2.5 Tracking Camera

A Sony video tracking camera was used to record the flight path on VHS video tape. The camera was operated in continuous mode. Fiducial numbers and time reference marks, for cross-reference to the analog and digital data were encoded on the video tape.

3.2.6 Analog Recorder

An RMS dot-matrix recorder was used to display the data during the survey. In addition to manual and time fiducials, the following data were recorded:

Channel	Input	Scale
VLT	VLF-EM Total Field, Line	2.5% ppm/mm
VLQ	VLF-EM Quadrature, Line	2.5% ppm/mm
VOT	VLF-EM Total Field, Ortho	2.5% ppm/mm
VOQ	VLF-EM Quadrature, Ortho	2.5% ppm/mm
RALT	Altimeter (150 m at top of chart)	3 m/mm
MAGF	Magnetometer, fine	2.5% nT/mm
MAGC	Magnetometer, coarse	25 nT/mm
MAGN	Magnetometer, noise	0.025 nT/mm

3.2.7 Digital Recorder

Positional information was recorded at 0.5 second intervals on an RMS DGR-33 unit.

<u>Equipment</u>	<u>Recording Interval</u>
VLF-EM	0.2 seconds
Magnetometer	0.1 seconds
Altimeter	0.5 seconds

4. DATA PRESENTATION

4.1 Base Map

A photomosaic base map at a scale of 1:10,000 was prepared from a photo lay down map, supplied by Aerodat, on a screened mylar base.

4.2 Flight Path Map

The flight path map was derived by recovering topographic points as well as the operators manual fiducials from the VHS video tape onto a photomosaic map of the survey area.

The flight path map showing all flight lines, is presented on a Cronaflex copy of the photomosaic base map, with time and navigator's manual fiducials for cross reference to both the analog and digital data.

4.3 Total Field Magnetic Contours

The aeromagnetic data were corrected for diurnal variations by adjustment with the digitally recorded base station magnetic values. The corrected profile data were interpolated onto a regular grid at a 25 metre true scale interval using an Akima spline technique. The grid provided the basis for threading the presented contours at a 5 nanoTesla interval.

The contoured aeromagnetic data have been presented on a Cronaflex copy of the photomosaic base map.

4.4 Vertical Magnetic Gradient Contours

The vertical magnetic gradient was calculated from the gridded and filtered total field magnetic data. Contoured at 0.2 nT/m interval, the gradient data were presented on a Cronaflex clear overlay base map.

4.5 VLF-EM Total Field Contours

The VLF-EM signals from NLK, Jim Creek, Washington were compiled in contour map form and presented on a Cronaflex copy of the photomosaic base map.

5. GENERAL INTERPRETIVE CONSIDERATIONS

5.1 Total Field Magnetics

The total field magnetic values in the survey area vary over a range from 57,475 to 59,772 nT.

The Webb property is dominated by a large NW - SE striking magnetic high flanked by magnetic low directly to the north and east.

The Nat property has a similar local magnetic feature with a NW - SE strike. It is flanked on the west and north east by magnetic lows.

5.2 Calculated Vertical Gradient Contours

The vertical magnetic gradient calculation has the effect of removing the regional background and of emphasizing and providing greater resolution of shallow, closely spaced features. The zero contour level roughly corresponds to the contact between rocks of differing magnetic susceptibilities. The above characteristics make the vertical gradient data useful in evaluating and mapping geologic structure,

5.3 VLF-EM Total Field Contours

Examination of the VLF-EM contours reveals a general north-northeast striking trend in both the Webb and Nat properties.

Respectfully Submitted

Anthony E. Valentini
Geophysicist
AERODAT LIMITED
January 3, 1990

APPENDIX I

PERSONNEL

FIELD

Flown November/December, 1989

Pilot N. Schnidrig

Operator S. Arstad

OFFICE

Processing Anthony E. Valentini
George McDonald

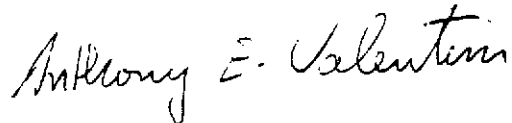
Report Anthony E. Valentini

APPENDIX II

CERTIFICATE OF QUALIFICATIONS

1. I am a geophysicist and have been working in this field since 1985.
2. I reside at 48 Village Drive, Stoney Creek, Ontario.
3. I hold an honours B.Sc. in Geophysics from the University of Western Ontario having graduated in 1985.
4. I hold the position of Geophysicist at Aerodat Limited. I have been employed by Aerodat since July 1986.
5. I am a member of the Canadian Exploration Geophysical Society.
6. The accompanying report was prepared from a review of the airborne geophysical survey flown by Aerodat for Nicholson & Associates. I have not visited the property.
7. I have no interest in the property described nor do I hold any securities in Nicholson and Associates.

Signed,



Anthony E. Valentini
Geophysicist

Mississauga, Ontario

APPENDIX II

COST STATEMENT SUMMARY

NICHOLSON & ASSOCIATES

natural resource development inc.



STATEMENT OF COSTS

PROJECT: WEBB-NAT for MOONDUST VENTURES

PERIOD: OCT. 1 -- NOV. 29

Personnel	
___ man days @ \$275/day	N.A.
___ man days @ \$240/day	
___ man days @ \$225/day	
___ man days @ \$200/day	
Helicopter	
___ hours @ ___/hour (fuel included)	N.A.
Room and Board	
___ man days @ \$125/day	N.A.
___ man days @ \$40/day (fly camp)	
Vehicle	
@ \$1,350/month	N.A.
Field Supplies	
___ days @ \$20/man/day	N.A.
Samples	
___ Rock @ \$20/sample	N.A.
___ Soil @ \$20/sample	
___ Silt @ \$20/sample	
Mob./Demob.	N.A.
Office	
Miscellaneous	
1. AIRBORNE GEOPHYSICS	55,332.28
2. (680 line km)	
3.	
Subtotal	
TOTAL	\$ 55,332.28
E. & O.E.	