Preliminary Geophysical Report

Ground Magnetometer Survey
Dominion Group

Mount Anderson
Cariboo Mining Division
British Columbia
N.T.S. 93 H/4

GEOLOGICAL BRANCH ASSESSMENT REPORT

11,887

By Donald Plenderleith Geophysicist

October 10, 1983

3191 West 36th Avenue Vancouver, B.C. V6N 2R4

November 30, 1983

The Chief Gold Commissioner
Ministry of Energy, Mines
& Petroleum Resources
Government of British Columbia
Victoria, B.C. V8V 1X4

Dear Sir.

Re: Dominion #1 - 6, #25 and #26, #15 and #17, Mineral Claims - Geophysical Work and Prospecting

Enclosed please find copy of Statement of Exploration and Development for the Dominion Group of D reverted Crown granted Mineral Claims, Cariboo, M.D. The original statement was filed in the office of the Sub-Mining Recorder, Vancouver, B.C. on September 15, 1983.

A magnetometer survey was conducted on Dominion No. 1 Mineral Claim in August 1983. A copy of the geophysical report with ground . magnetometer map and profiles by Don Plenderleith is attached to this letter. Prospecting was carried out on the Dominion No. 15 and 17 Mineral Claims.

Total expenditure is in excess of \$2,000 and it is recommended that the sum of \$2,000 be applied for one year's assessment work on each of the ten claims Dominion #1 - 6, #15 and #17 and #25 and #26 as per Statement of Exploration and Development signed by Jack E. LaFleur of Gold Point Resources Ltd. and dated September 15, 1983.

Yours very truly,

Vancouver, B.C. November 30, 1983 Clive W. Ball, P.Eng.
Consulting Geologist

Enclosures:

- 1. Geophysical Report by Don Plenderleith dated October 10, 1983.
- 2. Claim map.
- Copy of Statement of Exploration and Development dated September 15, 1983.
- 4. Notice to Group for Dominion Group dated September 16, 1982.

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Report on interpretations of geophysical survey by Don Plenderleith, Geophysicist dated October 10, 1983

APPENDICES

Appendix "A" Instrumentation

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Dominion Group Ground Magnetometer Survey

A ground magnetometer survey was conducted over an adit on fraction 11410 of the Dominion Claims (formerly held by Cariboo Ledge Mines Limited). The adit is on the south side of Lightning Creek approximately 600 m upstream from its junction with Anderson Creek (figure 1) and, although the support beams are rotten, it is still open as far as is visible. Oddly, no dump material is present at the entrance to the adit. As there is little information on this adit, or the Cariboo Ledge Mines, this survey was for reconnaissance purposes only.

Total magnetic field measurements were taken on a grid measuring 300 x 100 meters with the long axis of the grid oriented 10° east of north. All distances were measured with a hip-chain which will result in some horizontal contraction along the long axis of the grid. The short axis is parallel to the contours, and therefore is not subject to such distortion. In the field, two

measurements were taken at each station. These were averaged and corrected for the magnetic drift that occured during the survey; then plotted and contoured to produce the magnetic contour map (figure 2). An aeromagnetic map encompassing the Dominion Claims shows no large scale anolamies on the survey grid.

While the variation in magnetic field strength over the grid is not great, a magnetic low seems to cross the grid striking N50°W. Two cross-sections show the amplitude of this in comparison to the other small scale features (figure 3). It is readily apparent on both, with a maximum amplitude of approximately 1008.

There are no features on the geology map of
Campbell, Mountjoy, and Young which help to explain this
anomaly, but its large breadth and relatively low
amplitude suggest that it may be the signature of a
compositional variation in the underlying Snowshoe
Formation. The fact that it lies roughly parallel to the
schistosity underlines this hypothesis, and the presence
of a chlorite schist outcrop 500 m southwest of anomaly
suggests that the variation may be related to metamorphisism.

Schistosity in the chlorite outcrop also runs parallel to the anomaly. In this area the metamorphism increases to the south.

With no further information from which to draw, it can only be said that the single anomaly is likely due to a compositional variation which may be related to regional metamorphism.

Signed:

Donald Plenderleith, M.Sc.

Geophysicist

Vancouver, B.C. October 10, 1983

Instrumentation

Geometrics Proton Precession Magnetometer G 816/826 serial number 6353 supplied by Exploranium G.S. Ltd.

The sensor was mounted atop a 125 cm staff which was held vertically while a measurement was being taken, regardless of the slope.

Field Crew

John Thompson

Surveyor

Mike Hill

Assistant surveyor

Don Plenderleith

Geophysicist

Survey Dates

August 28 ½ day

August 29 1 day

August 30 1 day

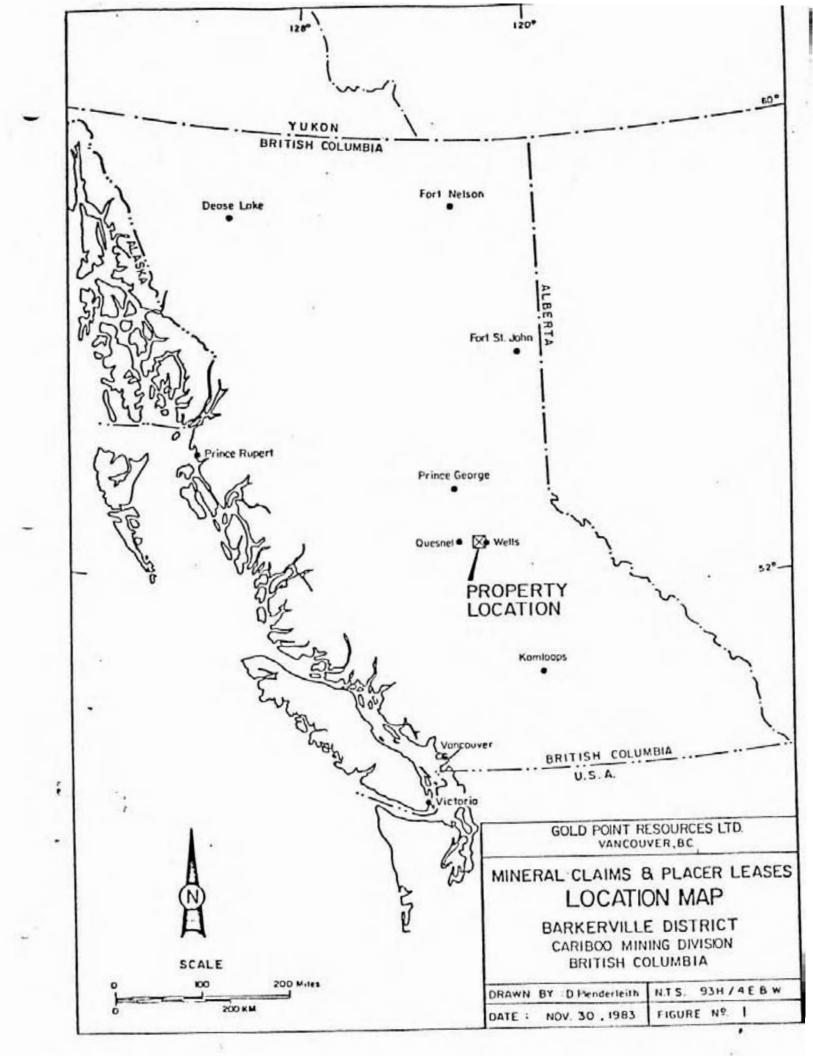
August 31 1 day

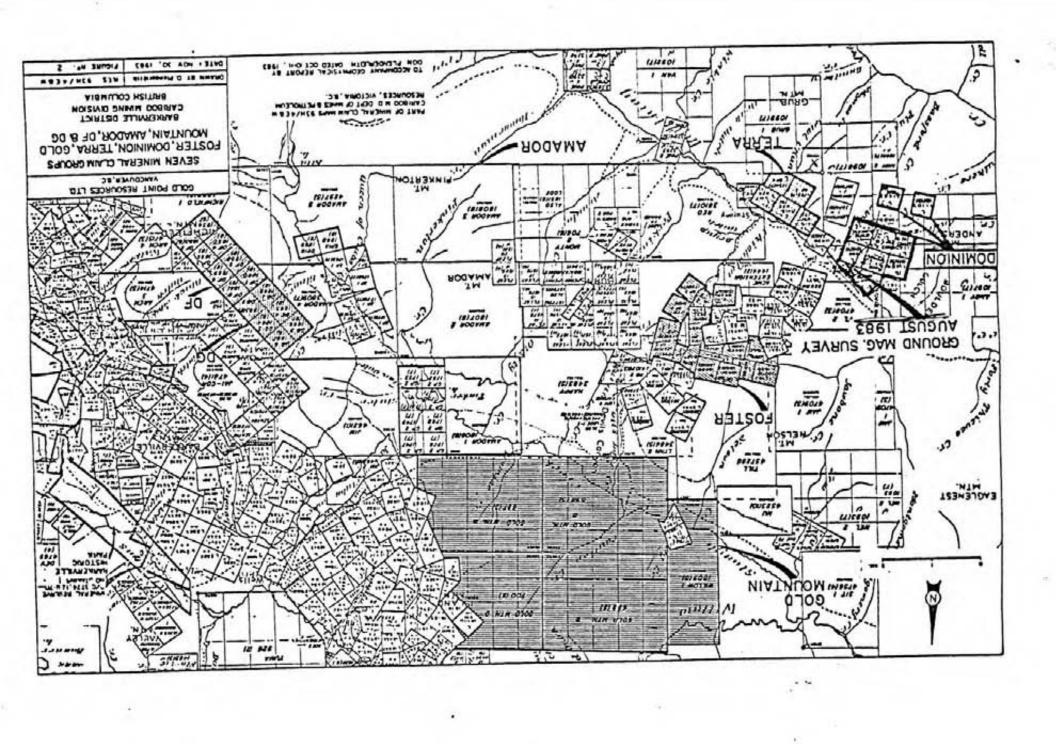
TOTAL 3½ days

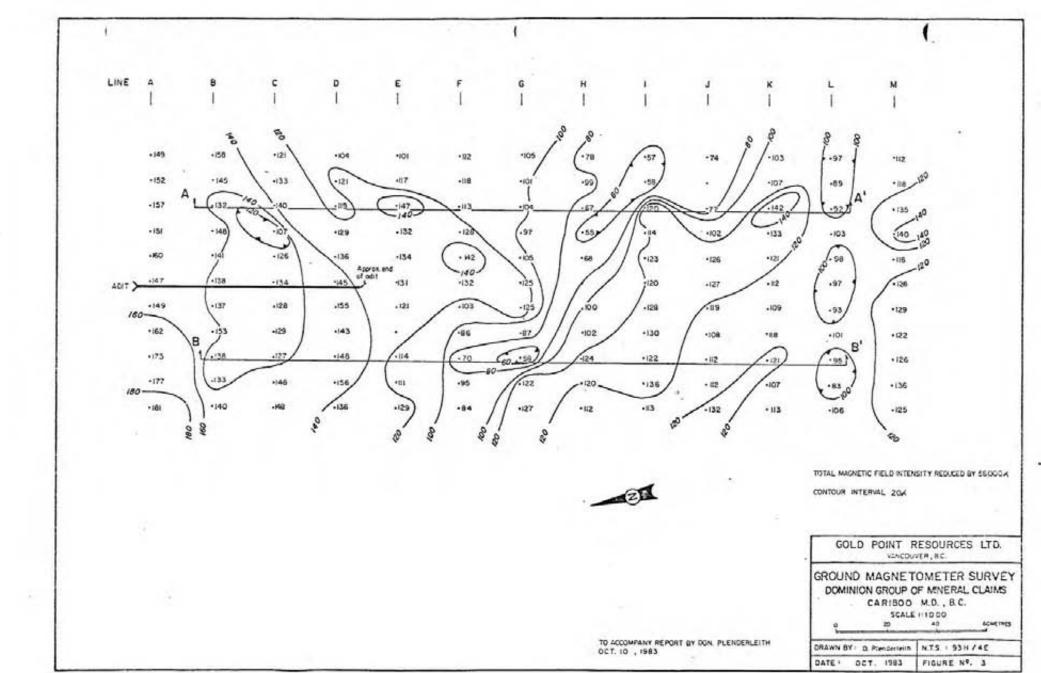
References

Published Reports

- Boyko, W.P., (Aerodat Limited), 1980, Helicopter electromagnetic and magnetic surveys, Wells area, British Columbia, report on Gold Point Resources Ltd.
- Campbell, R.B., Mountjoy, E.W., Young, F.G., 1967, Geology Map 1356A, McBride, British Columbia. Geological Survey of Canada, Ottawa.
- Holland, S.S., 1948, Report on the Stanley Area, Cariboo Mining District, Bulletin No. 26, British Columbia Department of Mines, Victoria.

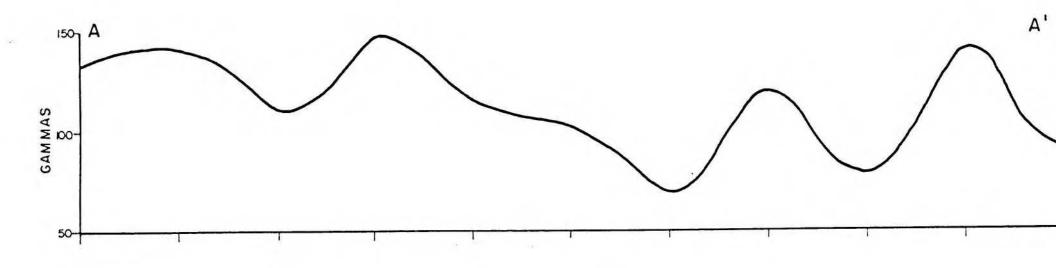


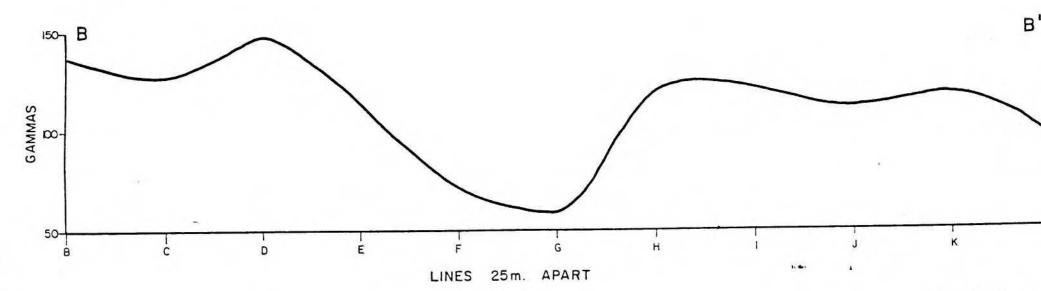




MAGETIC - PROFILES

DOMINION GROUP







500 - 475 Howe Street, Vancouver B.C. V6C 2B3 - Telephone: (604) 681-9348

DOMINION GROUP OF CLAIMS

Field (Cost				\$2,192.50
Clive	W. Ball	Aug.	12 inv.		251.15
"	11	Dec.	7/83 i	n v	420.00
11		Jan.	16/84 i	nv	133.00

£..