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STEPHEN EXPLORATIONS LTD.

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September 3, 1979

The Secretary
Royal Commission of Inquiry
Health and Environmental Protection
Uranium Mining
3724 West Broadway
Vancouver, B.C. V6R 2C1

Dear Sir,

Your request for data concerning our exploration activities in search of uranium in British Columbia was delivered to me in the bush east of Mayo, Y.T. about mid August. Since this is a one man office it has not been possible to provide this data prior to September 1. I trust the following statements will be adequate for your needs.

1. Chronological description of uranium exploration

1977 Two men conducted a regional silt sample reconnaissance on various access roads in central British Columbia, map sheets 93F and G. Samples were analyzed for U, Mo and, on occasion for Cu or Zn. Anomalous uranium values were obtained in several creeks and the SWAB 1 - 80, NIT 1 - 20 and BIN 1 - 116 claim units were staked. Preliminary geological mapping and soil sampling were done on those claims.

1978 A reconnaissance of the SWAB, NIT and BIN claims as well as some surrounding geology was conducted from the air using a McPhar TC-33A hand held scintillometer. A crew, averaging four men, conducted geological mapping and soil sampling on the claim groups. Late in the season one diamond drill hole was drilled on SWAB 2 for geological information and a magnetometer survey was conducted.

The GREER 1 - 75 claim units were staked as a result of the airborne survey.

1979 Detailed topographic surveying and boulder mapping were done on the SWAB claims. Preliminary geological mapping and soil sampling were done on the GREER claims. Thirty one holes were drilled to depths of 1 and 2 metres on the BIN claims for soil analysis.

2. Legal description of size and location of claim blocks

For this purpose we enclose a key map showing current claim blocks held. The map shows the Lake claim which was staked by a contractor but allowed to lapse without further investigation. The NIT, BIN, SWAB and GREER claims currently held are shown in color.

Copies of Form G received from the Mining Recorder at the time of recording these claims are enclosed.

3. Copies of Assessment Reports

Whereas this work has all been conducted on a joint venture basis with Dome Exploration (Canada) Ltd. and

whereas Dome have requested we have copies of these reports available for their submission and

whereas it is not possible to get the printing of these reports done over this long weekend we beg to be allowed to submit these reports at a later date. Copies are available on microfilm from the B.C. Department of Mines.

4. Synthesis of Data contained in Assessment Reports.

- (1) Geological and Geochemical Report, SWAB 1 - 4 Claim Group
Dated July 29, 1978 by G.A. Cohoon

Geological mapping outlined an alaskite intrusive body with which uranium and molybdenum anomalies in stream and soil samples, appeared to be associated. Further detailed sampling and prospecting were recommended.

- (2) Magnetic Survey and Diamond Drilling Report, SWAB 2 and 3 Claims Dated November 10, 1978 by G.A. Cohoon, J.C. Stephen

The magnetometer survey helped outline the south contact area of the alaskite intrusive where no outcrops occur. The diamond drill hole cut several sections of alaskite with sections of the older volcanics and intrusives. No mineralization was encountered.

- (3) Geological and Geochemical Report NIT 1 Mineral Claims Dated July 31, 1978 by G.A. Cohoon

Geological mapping, soil sampling and an airborne survey were carried out. No significant radiometric anomalies or uranium soil anomalies were indicated. No mineralization has been found.

- (4) Geological and Geochemical Report BIN 1-8 Mineral Claims Dated August 6, 1978 by G.A. Cohoon

Soil sampling and geological mapping were carried out to investigate stream silt samples anomalous for uranium. Only weak soil anomalies of small extent were located. No mineralization was located.


- (5) Geological and Geochemical Report, GREER 1-4 Mineral Claims Dated July 15, 1979 by A. Stanta, J.C. Stephen

Preliminary geological mapping and soil sampling located two zones of weakly anomalous values in soil samples. No mineralization was found.

Minor amounts of copper mineralization and rock alteration were encountered and a small amount of follow up work is recommended.

Yours very truly,

J.C. Stephen Explorations Ltd.



J.C. Stephen

JCS/ms

c.c. G.S.W. Bruce, Dome Exploration