Horseranch

884079

FAXED

July 22/97

Tom Schroeter
Regional Geologist
Geological Survey, Vancouver

Dear Tom:

Here are the locations of 2 new showings in the Horseranch Range that I visited in June 1997 and that of the original showing (Horseranch Range). The company (Esmeralda) is agonising. They have to decide if they want to acquire more ground or drop some. From my point of view, it is premature to discuss the economic potential of their holdings.

Our work in progress:
1) Characterisation of pegmatites: (10 Major, trace, REE, Be, B etc), age dating, petrography (10 PTS). So far no emeralds, only rare occurrences of isolated (rare) gem-quality aquamarine crystals enclosed in the granitic dykes (no vugs). Light-coloured opaque beryl is more abundant but not plentiful (<< 1% of typical granitic dyke). Lots of the dykes are barren (but this was expected, pegmatite-related mineralisation is erratic).

2) Characterisations of UMF rocks: chemical analyses -major & trace, 10 polished thin sections, assays including PGE, Au, Cr, Cu, Co etc and age dating.

I am returning in late August or early September. At that time I will have the results of chemical analyses. **The main objectives of this reconnaissance is to obtain a better understanding of the relationships between UMF rocks, mylonitic granitic dikes (?), pegmatites and the remainder of the hostrocks. Also, to document UMF rocks as: a) potential source of Cr needed to form emeralds, b) potential host metallic mineralisation, and c) dwell on implications in terms of regional geology.**

Location 1) on MRX claims; granitic dykes with rare beryl (rarely pegmatitic), UMF rocks, mylonitized granitic rocks, gneisses and schists, carbonates and rare vesuvianite-cpx -garnet skarn in blocks. Sillimanite-rich garnet gneiss in blocks.

Location 2) East of Harvey Lake; UMF rocks, mylonitized granitic rocks, granitic dykes with rare beryl (occasionally pegmatitic), gneisses and schists.

3) Original Horseranch (beryl-bearing blocks in talus) showing.

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George

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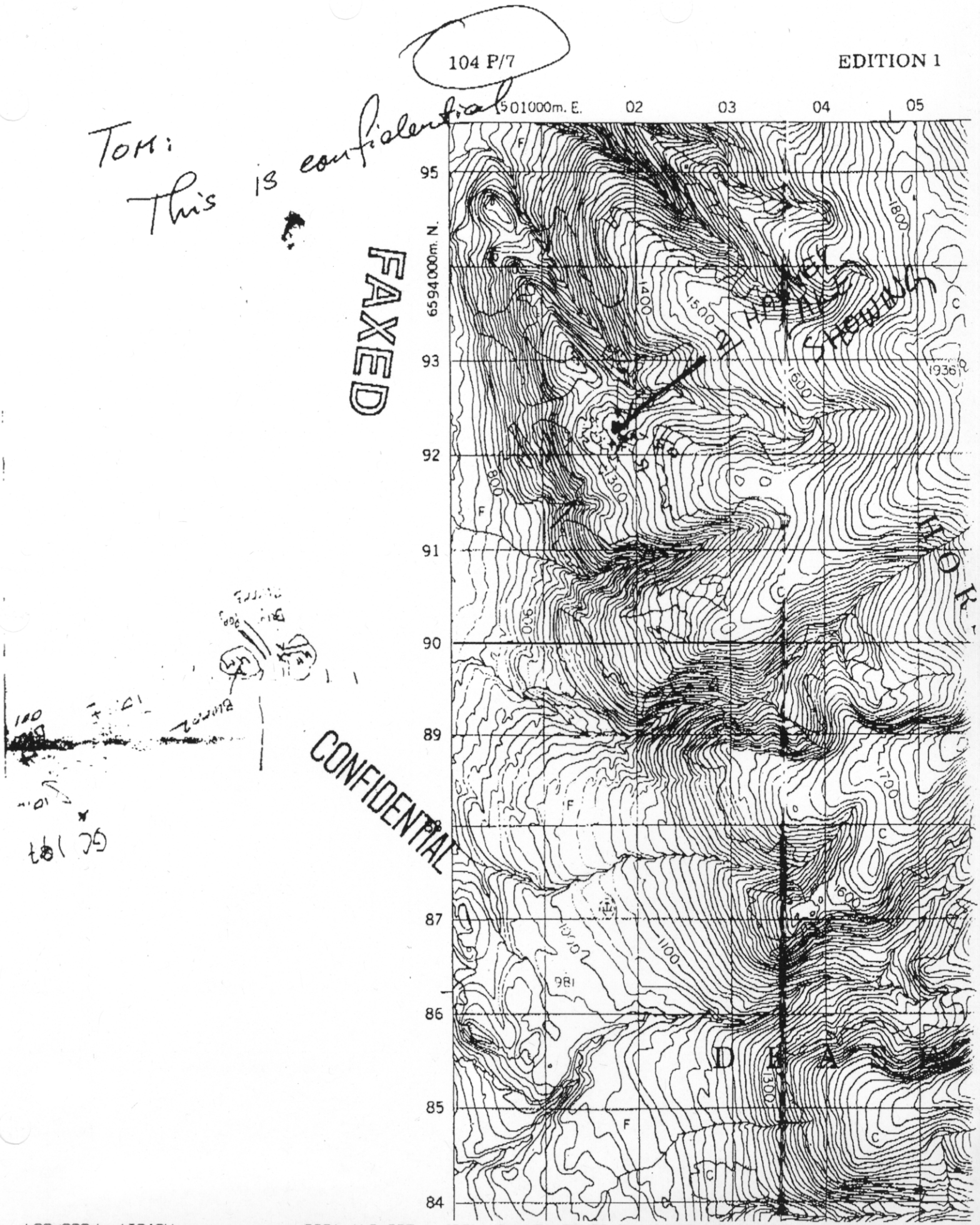

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ORIGINAL SHOWING
MAXFIELD RIDGE
1946