

----- 413 Granville Street

November 20, 1956

Dr. M. S. Hedley  
Department of Mines  
Victoria, B. C.

Dear Matt:

Under separate cover I am sending you nine pieces of drill core from below the Hecla level ( an extension of Mammoth #7 level underneath the Monarch tunnel of the Western Exploration Co., Ltd., and also notes, herewith, giving my classification of the samples. I am not entirely sure of my classification and am sending the samples to you for your opinion, if you will be kind enough to give it.

The holes, #H55 and H56, intersected the vein at approximately 200 ft. below the Hecla level (elevation 5046 ft.) The only core that remotely resembles the silicified limestone on the surface is H55 @ 191.5 ft., but I think it is porphyry. The only limestone found in any of the holes is an occasional streak up to 2 ft. in width which looks like argillite but "fizzes" strongly with acid.

I will enclose a brief report on current development at the Mammoth and Hecla mines which I am giving to the Western Miner for publication.

About the end of November I am retiring and moving to 1110 West Moreland Street, Phoenix, Arizona, U. S. A. but expect to visit Silverton again next summer. Please reply to Art Ham, at Silverton, and enclose a copy of your letter to be forwarded to me. The W. E. Co. will settle any charge that may be incurred re the core samples.

With many thanks for past and present advice and assistance, and best personal regards, I am

Yours sincerely

Notes on Drill Core Samples from the  
WESTERN EXPLORATION CO., LTD., as  
logged by C. C. Starr. Nov. 15, 1956

By M.S. Hedley  
(an exact  
letter)

- H55 @ 155 ft. Porphyry, altered, fine grain. Some argillite inclusions.
- H55 @ 188 ft. Porphyry altered fine grain. Traces of (Bleached Argil) argillite inclusions.
- H55 @ 191.5 ft. Porphyry, fine, altered, and some argillite inclusions. Spots (only) effervesce strongly with acid. (Altered Sediments)
- H55 @ 214 ft. Porphyry. Some parts (only) fizz strongly with acid. (At 213 ft. there is one foot of brown limestone.) (fine biotite lamprophyre)
- H55 @ 237 ft. Porphyry, fine grain gray. (ditto)
- H56 @ 187 ft. Argil, coarse black (gray outside) suggests tuff. (Tuff by thin section)
- H56 @ 189 ft. -ditto- (ditto)
- H56 @ 222 ft. Porphyry? fine grained and silicious. Dark argillite inclusions with clouded boundaries as though partly fused by igneous rock. (Altered Argil)
- H56 @ 231 ft. As above but a bit coarser grain. (Porph)