

PE-095-1A.

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

The Hemple Prospect.
Hogan Bay, Knights Island.
Valdez Precinct.

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Examined by J.G. Shepard.
Sept., 1925.

The Hemple Prospect is situated on the mountain side, at the head of Hogan Bay, Knights Island. The workings consist of three tunnels, driven to cut an orebody, which is exposed on the surface. Country rock is hard graywacke. The ore is pyrrhotite-chalcopyrite, deposited in fracture planes in the graywacke.

No. 1 or the upper tunnel consists of an 8 foot crosscut and a 50 foot drift. Depth below the surface is only a few feet.

No. 2 tunnel is 20 feet below and 25 feet to the south of No. 1 tunnel. About 20 feet of drift has been driven on the ore, from the point of crosscut.

No. 3 tunnel is some 150 lower in elevation than No. 2 tunnel and has been driven 125 feet. This is not a sufficient distance to cut the ore exposed in the 2 upper tunnels. Two sets of fracture planes, with varying strikes and dips were out in No. 3 tunnel. Ore is present in both instances.

There seems to be no well defined orebody of any magnitude yet proven. The aspect of the copper market does not seem to warrant the expenditure of the money, which would be necessary, to do this, by any one individual. Should a large corporation, with future ore reserves in mind, care to do the work, the situation would be some what different.

Sketch showing
 Plan of
 workings of
 Hemple Prospect
 Hogan Bay
 B. R. Shepard
 Sept. 1925

Scale 1" = 40'

