

CONFIDENTIAL



TO: Phil Holdsworth, Commissioner of Mines

MI-122-01

FROM: Art Glover, Engr.-Assayer

SUBJECT: Reconnaissance Examination of Magnetite Occurrence at Hall Cove, Duke Island, Ketchikan Recording Precinct, August 4th, 1954.

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Incidental to a trip to Tah Bay, Prince of Wales Island, made with, and at the expense of, Mr. John McKee, a portion of the west side of Duke Island (Prince Rupert quadrangle) was examined from the air and on the ground in an effort to locate the source of a magnetic anomaly previously noted by Mr. McKee.

The anomaly was observed while flying an easterly course across Hall Cove, about one mile from its mouth, and the source was presumed to lie on the one half mile long peninsula that divides the two arms of Hall Cove near that point. After landing the plane, a dip needle reconnaissance was made, from north to south, across the approximate center of the peninsula, and a considerable volume of magnetite-bearing, ultra-basic rock was detected, particularly near the south side. The average grade, when exposures were tested with a magnet, did not appear to exceed ten to fifteen percent magnetite however, and this fact, together with the very low relief, did not lend much promise to the occurrence.

Pending the possibility of further explorations in the region, Mr. McKee wishes us to keep the location of this occurrence confidential.

Art Glover
Art Glover, Engr.-Assayer

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Information provided by
John McKee. October 12, 1954



DUKE ISLAND



Magnetite-bearing
Area. Described as
"raisins in raisin
pudding".