

ADMIRALTY ALASKA GOLD MINING CO.FUNTER BAYALASKAGENERAL GEOL.

Metamorphosed sediments strike northwest and dip 20° to 40° to northwest. A volcanic pipe intrudes the sediments at a low angle to the bedding. The pipe is about 150' in diameter in D.M.E.A. tunnel.

A smaller pipe of gabbro has intruded along the lower side of the volcanic pipe. It ranges from 40' to 150' in diameter, and appears to be much larger about 150 ft. below the tunnel, the present limit of diamond drill exploration.

The gabbro contains disseminated pyrite, pyrrhotite chalcopyrite and pentlandite as original constituents.

<u>GRADE</u>	<u>Ni%</u>	<u>Cu%</u>
May 1943 U.S.B.M. Channel Mertie Tunnel	0.46	0.41
May 1954 St. Eugene Chip Channel D.M.E.A. Tunnel	0.56	0.63
April 1956 Q.M.I. Rep. Bulk	0.87	0.58

INDICATED TONNAGE

Surface to D.M.E.A. Tunnel	148,000
D.M.E.A. to 150' vert below Tunnel	<u>381,000</u>
<u>TOTAL</u>	529,000 tons.

PROPOSED EXPLORATION

To extend D.M.E.A. tunnel 400 ft. to enable deeper drilling of sulphide bearing gabbro.

To diamond drill down into zone and explore its ore possibilities. The drill on property at present could indicate ore material for 1000 ft. dip length below D.M.E.A. tunnel.

To drive D.M.E.A. tunnel 400' @ \$60.00/ft =	\$24,000
D. Drilling 8,000 ft. estimated	= <u>\$35,000</u>
	\$59,000

After ore has been indicated, then a winze could be sunk under the zone, from the D.M.E.A. tunnel.

Utilization of Pekovich tunnel would have to be deferred to some later date as it is 1200 ft. vertically below (D.M.E.A.) and its end is over 2,000 ft. from projected location of sulphides at that elevation.