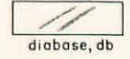


EXPLANATION

DIABASE DIKES



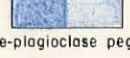
diabase, db

GRANITIC DIKES



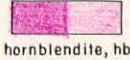
quartz diorite, qd

BASIC PEGMATITE

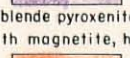


hornblende-plagioclase pegmatite, hp

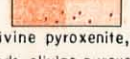
ULTRAMAFIC ROCKS



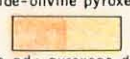
hornblende, hb



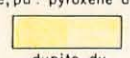
hornblende pyroxenite, hpx with magnetite, hpxm



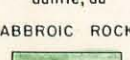
olivine pyroxenite, opx



hornblende-olivine pyroxenite, hopx



peridotite, pd: pyroxene dunite, pdu

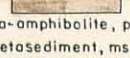


dunite, du

GABBROIC ROCKS



pyroxene gabbro, gb

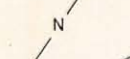


hornblende gabbro, hgb

METAMORPHIC ROCKS



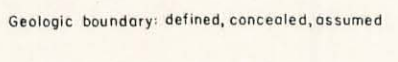
para-amphibolite, pamp



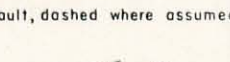
metasediment, msed



Boundary of rock outcrop



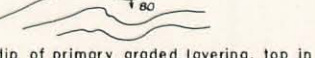
Geologic boundary: defined, concealed, assumed



Fault, dashed where assumed



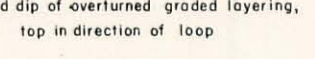
Strike and dip of foliation: inclined and vertical



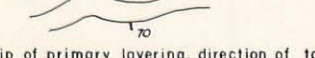
Trend and dip of primary graded layering, top in direction of arrow: inclined and vertical



Trend and dip of overturned graded layering, top in direction of loop



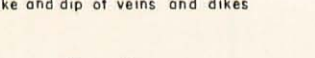
Trend and dip of primary layering, direction of top not discernible: inclined and vertical



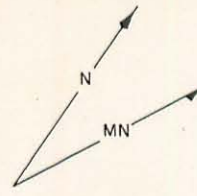
Strike and dip of veins and dikes



Strike and dip of joint swarms: inclined and vertical

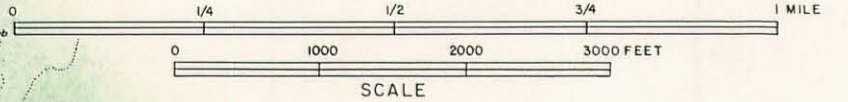


Contours



THE JUDD HARBOR ULTRAMAFIC AREA
DUKE ISLAND
SOUTHEASTERN ALASKA

GEOLOGY BY
T.N. IRVINE
ASSISTED IN MAPPING BY
H.H. SCHMITT AND B. RAYCHAUDHURI



SCALE
CONTOUR INTERVAL 100 FEET

