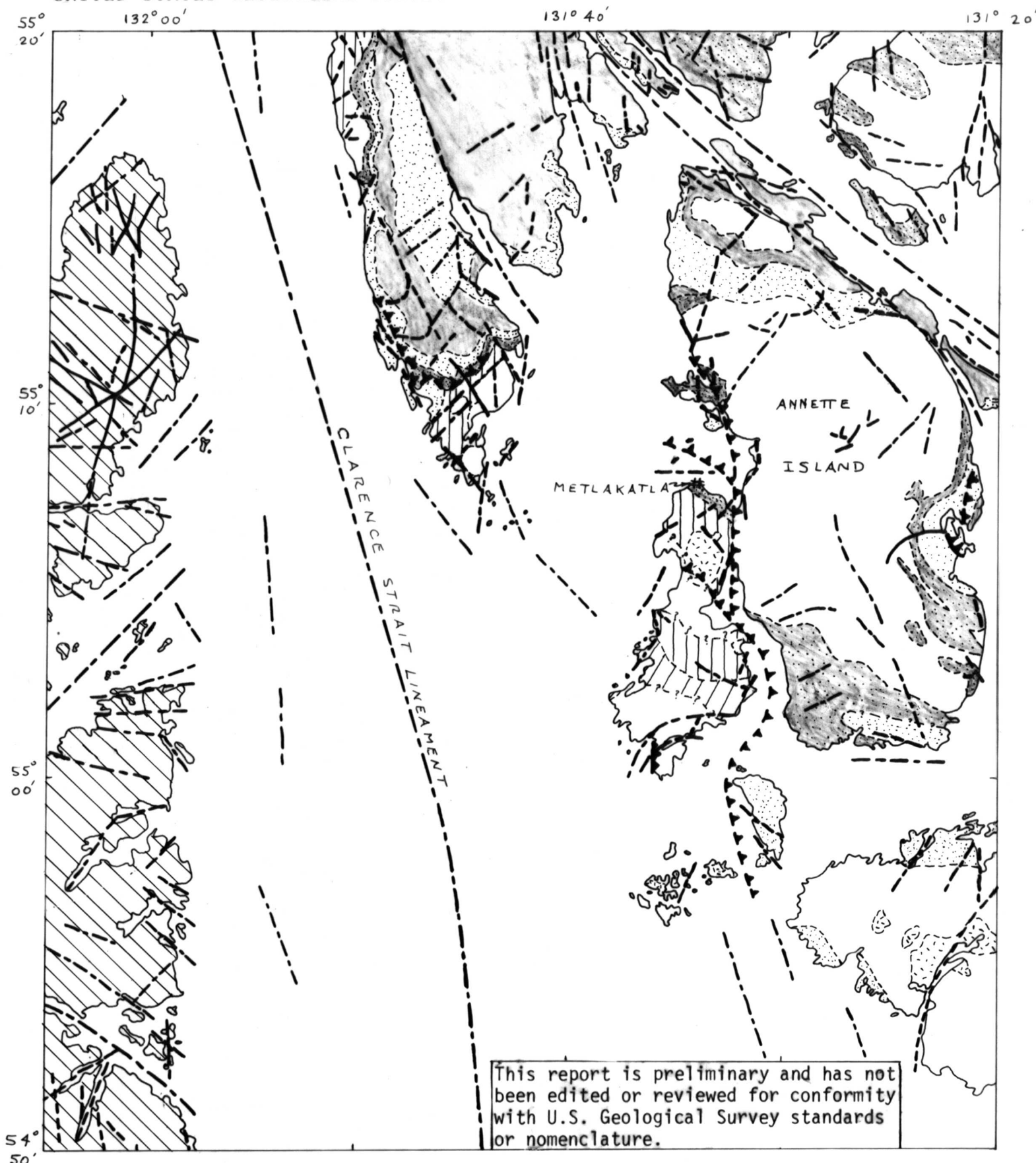


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



EXPLANATION¹

Mostly bedded rocks

- Very weakly to moderately metamorphosed sedimentary rocks: mainly slate, siltstone, phyllite, graywacke, limestone, and argillite
- Low- to moderate-rank metamorphic rocks; some weakly metamorphosed volcanic and sedimentary rocks: greenstone, chlorite schist; some fragmental volcanic rocks, tuff, lava flows, phyllite, and slate
- Weakly to moderately metamorphosed volcanic rocks: tuff, fragmental volcanic rocks, and lava flows
- Chiefly moderate-rank metamorphic rocks: predominantly schist and hornfels
- Moderate- to high-rank metamorphic rocks; some intrusive rocks: mainly schist, hornfels, and gneiss; some quartz diorite and diorite

ORDOVICIAN OR OLDER PALEOZOIC
TO JURASSIC OR CRETACEOUS

Mostly intrusive rocks

- Ultramafic rocks: dunite, some clinopyroxenite
- Plutonic rocks: quartz diorite, leucotondjemite, diorite, quartz monzonite; some gabbro

CRETACEOUS(?)
SILURIAN OR OLDER PALEOZOIC
TO CENOZOIC

Bedded and intrusive rocks

- Diverse igneous, sedimentary, and metamorphic rocks

ORDOVICIAN OR OLDER PALEOZOIC
TO MESOZOIC(?)

Symbols

- Contact, queried where doubtful or indefinite
- High angle fault, dashed where inferred
- Thrust fault, dashed where inferred; sawteeth on upper plate. Between Sylburn Harbor and Tamgas Harbor, Annette Island, coincident with high angle fault
- Lineament interpreted from airphotos, topographic maps, or hydrographic charts

¹Data from Beikman (1975), Berg (1972a, b, 1973, and unpub. data), Berg, Jones, and Richter (1972), Brew, Loney, and Muffler (1966), Brooks (1902), Buddington and Chapin (1929), Chapin (1918), Condon (1961), Irvine (1974), MacKevett (1963), Taylor (1967), and with modifications by the author. In many places bedrock and faults obscured by surficial deposits and vegetation.

SCALE 1:250,000

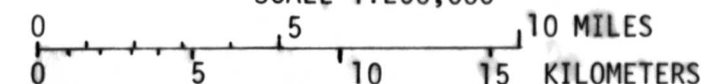


Figure 4.--Generalized geologic map of Metlakatla, Annette Island region, Alaska.
(See figure 2 for geographic names and base-map data.)