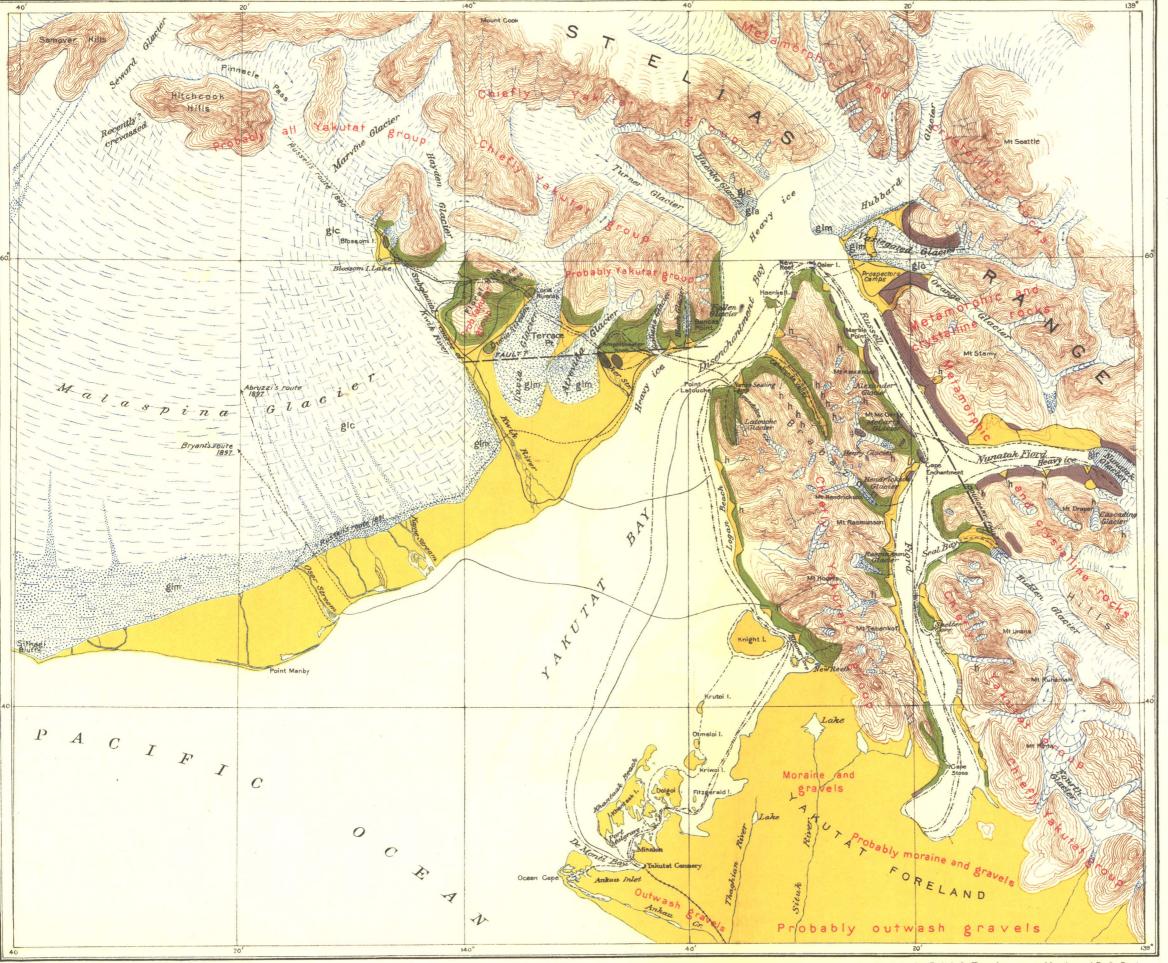
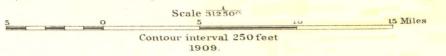
U. S. GEOLOGICAL SURVEY GEORGE OTIS SMITH, DIRECTOR



Base from maps of the Alaska Boundary Tribunal

GEOLOGIC RECONNAISSANCE MAP OF YAKUTAT BAY REGION, ALASKA Showing glaciers that advanced up to 1906 through earthquake avalanching in 1899



Geology by Ralph S. Tarr, Lawrence Martin, and B. S. Butler Surveyed in 1905 and 1906

LEGEND

QUATERNARY



1905-1906





Glacial retreat 1895-1905



Moraines, outwash gravels, alluvial fans, beaches, dunes, and unclassified alluvium

TERTIARY Pliocene (?)



Cross-bedded sandstone, shales, clays, with lignite seams

MESOZOIC(?)



Yakutat group

Conglomerate, conglomeratic argillite, graywacke, sandstone, shales, limestone, with some basic dikes

PALEOZOIC OR OLDER (?)



Greenstone with associated crystalline limestone, clay slate, and phyllite, gneissoid conglomerate, gneiss, and schist, granitic intrusives

Fault

Boat trip, 1890 and 1891 Russell

Russell's, Abruzzis, and Bryant's routes, 1890, 1891, and 1897

Gilbert's route, 1899

Route of party, 1905

Route of party, 1906

Route of party, 1905 and 1906