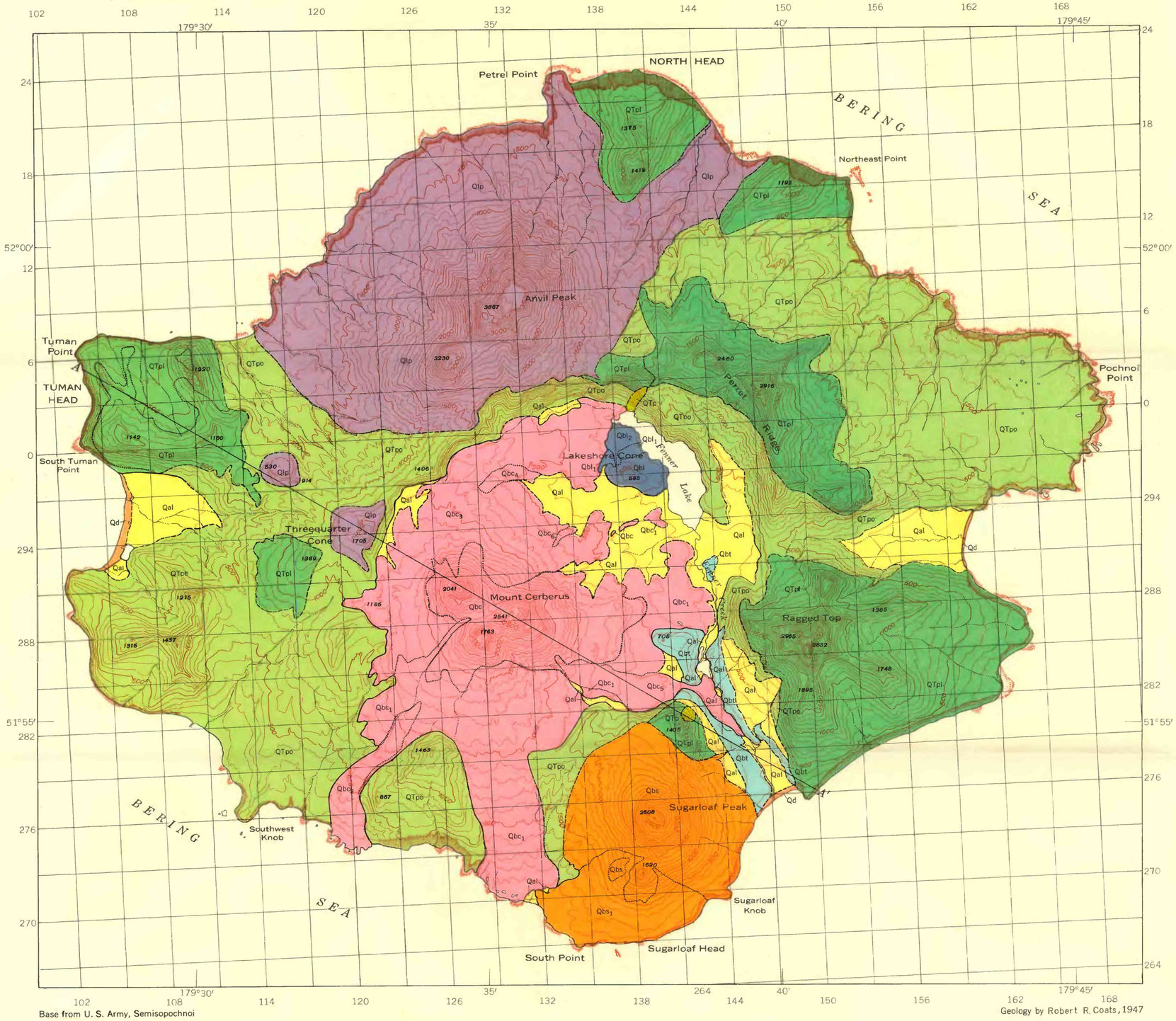
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1028 PLATE 59



Base from U. S. Army, Semisopochnoi Island, 1:25 000, 1943

Grid modified from 1000 yard grid, Corps of Engineers, U. S. Army, 1:25 000 scale maps of Semisopochnoi Island, 1943

Geology by Robert R. Coats, 1947

1 0 1 2 3 4 5 Miles

Contour interval 100 feet

Datum is ocean surface at time of photography

EXPLANATION

Qd — Dune sand
Chiefly in beach ridges

Qal — Alluvium, eluvium, and talus

RECENT COMPOSITE BASALTIC CONES

MOUNT CERBERUS	LAKESHORE CONE	SUGARLOAF PEAK
Qbc_1, Qbc_2, Qbc	Qbl_2, Qbl_1, Qbl	Qbs_1, Qbs
Basalt	Basalt	Basalt

Lava flows in part separately mapped and numbered in probable order of eruption

EARLY POSTCALDERA CONE

Qbt — Basaltic tuff-breccia and tuffaceous sand with minor basaltic flows

LATE PLEISTOCENE BASALTIC CONES

Qlp — Lava flows and pyroclastic rocks
Later than or interbedded with dacitic pumice of caldera eruption, largely from Anvil Peak, but also from 914-foot cone near Tuman Head and Threequarter Cone on west rim of caldera

Recent / Pleistocene — QUATERNARY

EARLY SUBSIDIARY CONES

QTpl / QTp — Pyroclastic rocks and lava flows
Listed clockwise from north: North Head Double Cone, Perret Ridge, north tip Fenner Lake, Ragged Top, 1405-foot cone, 1389-foot cone, Tuman Head younger, Tuman Head older. Crystalline vent plugs of cones, QTp

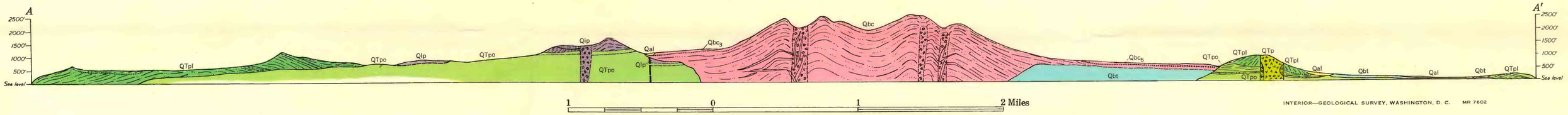
OLD VOLCANO

QTpo — Pochnoi volcanics
Tuff-breccia, lava flows, and agglomerate, largely basaltic, of shield-shaped volcano. Locally sandstone from reworked pyroclastic deposits

TERTIARY(?) OR QUATERNARY

Not mapped is widespread blanket of basaltic ash from both Mount Cerberus and Sugarloaf eruptions, and thick deposits of pumiceous dacitic ash interbedded in part in late Pleistocene basaltic cones and lying on rocks of older formations

Contact
Dashed where approximately located



1 0 1 2 Miles

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. MR 7602

GEOLOGIC MAP AND SECTION OF SEMISOPOCHNOI ISLAND, ALEUTIAN ISLANDS