UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGIC MAP OF PAVLOF VOLCANO AND VICINITY, ALASKA

Scale 1:100,000

1 0 5 Miles

Contour interval 200 feet
Datum is ocean surface at time of photography

Topography compiled in 1946 by U. S. Geological Survey from U. S. Army Air Force photographs: control from U. S. Coast and Geodetic Survey Charts 8703, 8704, and 8860

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-8138

Geology by G. C. Kennedy and H. H. Waldron, 1946

EXPLANATION

Qal — **Talus, alluvium, glacial drift and beach sand**
Largely reworked volcanic ash

Relative ages of younger Quaternary rocks largely unknown

CINDER CONES AND ASSOCIATED FLOWS
- Qc — Cinder cone
- Qfa — Basalt flow from Cone A
- Qfb — Basalt flow from Cone B
- Qfc — Basalt flows from Cone C
- Qfd — Basalt flow from Cone D
- Qfe — Basalt flow from Cone E
- Qff — Basalt flow from Cone F
- Qfg — Basalt flow from Cone G

VOLCANICS OF PAVLOF SISTER
- Qs — Agglomerate of Pavlof Sister *Includes interbedded lava flows*
- Qs 1 — Flow 1 from Pavlof Sister
- Qs 2 — Flow 2 from Pavlof Sister
- Qs 3 — Flow 3 from Pavlof Sister

VOLCANICS OF PAVLOF
- Qp — Agglomerate of Pavlof *Includes interbedded lava flows*
- Qp 1 — Flow 1 from Pavlof
- Qp 2 — Flow 2 from Pavlof

VOLCANICS OF LITTLE PAVLOF AND VICINITY
- Ql — Agglomerate of Little Pavlof *Includes many interbedded lava flows*
- Qg — Andesite of "Glacier Ridge"
- Qgb — Agglomerate of "Glacier Ridge"
- Qg — Older lava of "Glacier Ridge"

VOLCANICS OF DOUBLE CRATER
- Qdc — Agglomerate of Double Crater *Includes interbedded lava flows*

VOLCANICS OF MT. HAGUE
- Qh — Agglomerate of Mt. Hague *Includes interbedded lava flows*
- Qh 1 — Flow 1 from Mt. Hague
- Qh 2 — Flow 2 from Mt. Hague
- Qh 3 — Flow 3 from Mt. Hague
- Qh 4 — Flow 4 from Mt. Hague
- Qh 5 — Flow 5 from Mt. Hague
- Older lava from Mt. Hague

VOLCANICS OF MT. EMMONS
- Qe — Agglomerate of Mt. Emmons *Includes interbedded lava flows*

QUATERNARY

OLDER LAVA FLOWS
- Qd — Dushkin basalt
- Qa — Arch Point basalt
- Qb — Basalt of Black Point

UNCONFORMITY
- Tas — Andesite sill
- Tbp — Basalt plug or neck
- Td — Quartz diorite stock
- Tb — Belkofski tuff *Includes volcanic sandstone and conglomerate, and sills and dikes of andesite and basalt*
- Tc — Agglomerate of Cathedral Valley *Includes subordinate tuff beds and lava flows*
- Ta — Arkose

TERTIARY

Contact, dashed where inferred

Inferred fault

F — Fumarole

Thermal spring

Crater rim

TRUE NORTH 17°30' MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION 1945

INDEX MAP