

152°45'

152°30'

152°15'



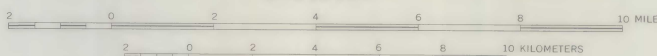
EXPLANATION

- A₁** Flowage hazard zone A₁ - Area most likely to be directly affected by any eruption, including small eruptions similar in magnitude to 1966 and 1968 eruptions; the entire area may be inundated by a combination of pyroclastic flows, floods, debris flows, and (or) lava flows from an eruption at the present vent; area could be affected repeatedly during the course of an eruption.
 - A₂** Flowage hazard zone A₂ - Area less likely to be directly affected by floods and (or) debris flows from a small eruption at the present vent, and which would be affected only by products of major eruptive pulses during a small eruption; area also could be affected by large eruptions (in which case protracted periods of flooding or inundation by debris flows as well as deposition of large pyroclastic flows are possible), or outburst flooding subsequent to damming of Drift River by pyroclastic flows, glacial advances, or avalanches.
 - B** Flowage hazard zone B - Areas that, in addition to A₁ and A₂, could be affected by debris avalanches, debris flows, floods, pyroclastic flows and related ash-cloud surges, and (or) lava flows during an eruption at the present vent larger than those that occurred in 1966 and 1968. Area could be affected by a small or large eruption from a vent outside the present summit crater; distal parts of the zone may be impacted only by large events.
 - C** Hazard zone C - Areas that may be affected by hot ash-cloud surges associated with pyroclastic flows or high concentrations of hot gases and unlikely, small lateral blasts; surges and blast may extend further than boundary shown, especially where it is located on lower sections of the divide.
 - D** Inset - Hazard zone D - Area that could be affected by highly improbable but highly destructive lateral blasts similar in magnitude to the 1980 lateral blast of Mount St. Helens.
- Boundary of hazard zone
- Present vent

Base from U.S. Geological Survey, 1:250,000
Lake Clark, 1958; Kenai, 1958
Universal Transverse Mercator projection

SCALE 1:125 000

Hazard zones mapped by A. Till, M.E. Yount, and J.R. Riehle, 1988



CONTOUR INTERVAL 200 FEET

TRUE NORTH
24°
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1958

ZONES OF POTENTIAL HAZARD FROM ERUPTIONS OF REDOUBT VOLCANO

By

Alison B. Till, M. Elizabeth Yount, and J.R. Riehle

1990

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