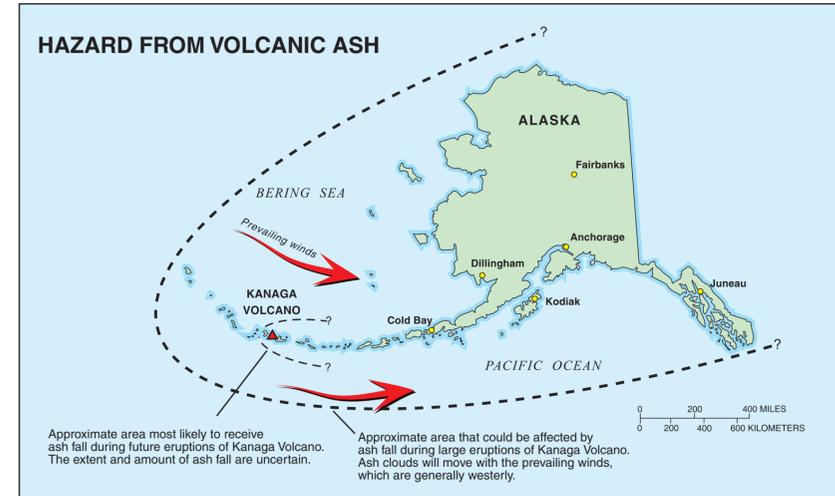
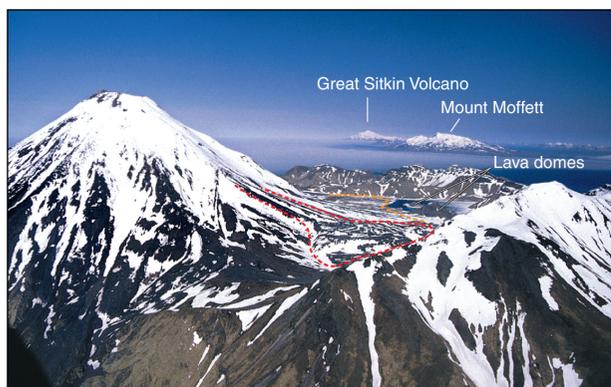
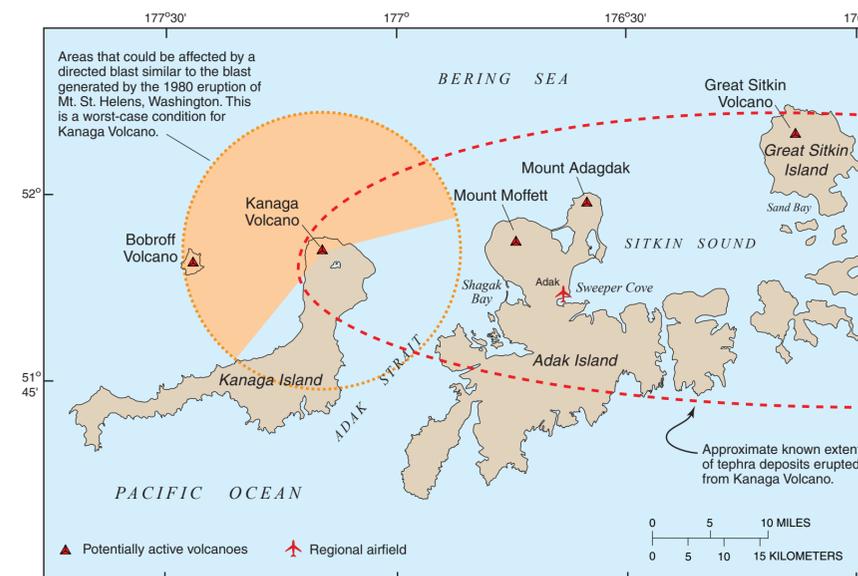


SUMMARY OF PROXIMAL VOLCANO HAZARDS

- LAVA-FLOW HAZARDS**
← Flow paths of lava erupted since 1904. All areas on and around the base of the cone are susceptible to inundation by lava flows.
- LAHAR HAZARDS**
 - Yellow shaded area: Areas that could be inundated by lahars, lahar-runout flows, and floods during eruptions of all sizes, but especially during pyroclastic eruptions. Extent of inundation depends primarily on the volume of the snowpack and the duration and style of the eruption.
 - Orange shaded area: Area inundated by hot lahars during the 1993-95 eruption.
- PYROCLASTIC-FLOW AND SURGE HAZARDS**
 - Red solid line: Areas that could be affected by pyroclastic flows produced by small to moderate eruptions from the volcano summit. Hazard boundaries correspond to $H/L = 0.3$ (red dashed line), $H/L = 0.2$ (red solid line), with H = fall height and L = runout length.
- DEBRIS-AVALANCHE AND ROCKFALL HAZARDS**
 - Dashed line: Areas that could be affected by debris avalanches and rockfalls. Most likely are small-scale collapses of lava-flow fronts and accumulations of splatter on the crater rim.
 - Blue shaded area: Area where rockfalls, debris avalanches, and lahars could enter the sea and generate local waves.
- BALLISTIC-FALLOUT HAZARDS**
 - Dotted line: Area that could be affected by ballistic fallout.

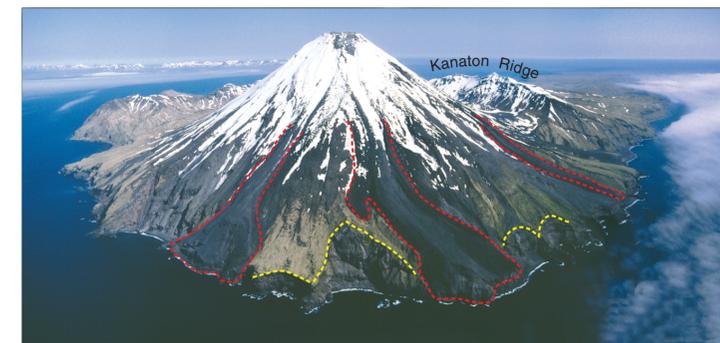


VOLCANIC ASH FALLOUT AND DIRECTED BLAST



Kanaga Volcano, July 2000. View is toward the east. Lava flow erupted in 1906 outlined in red. Pyroclastic-flow and lahar deposits formed during the 1993-95 eruption outlined in orange. Andesitic lava domes inside the caldera also shown. Great Sitkin Volcano and Mount Moffett in background. Photograph by C.J. Nye, Alaska Division of Geological and Geophysical Surveys.

Kanaga Volcano, July 2000. View is toward the southeast. Summit elevation is 1307 meters above sea level. Lava flows erupted during the 1993-95 eruption outlined in red. Rockfall avalanche scars indicated by yellow lines, Kanaton Ridge and the southern part of Kanaga Island in background. Photograph by C.J. Nye, Alaska Division of Geological and Geophysical Surveys.



PRELIMINARY VOLCANO-HAZARD ASSESSMENT FOR KANAGA VOLCANO, ALASKA

by
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