

# HISTORICALLY ACTIVE VOLCANOES OF ALASKA

## Definition of Historically Active

The 54\* volcanoes displayed on this map meet at least one of the following criteria since 1700 CE:

- Documented, unquestioned eruption **OR**
- A strongly suspected eruption, often an eruption documented in a historical account with very little information. Current geologic knowledge must not contradict the eruption account **OR**
- Persistent (usually on the order of decades, but certainly longer than several months) fumaroles, with temperatures (where measured) within  $\sim 10^{\circ}\text{C}$  of the boiling point, **OR**
- Significant, measured, volcanic-related, non-eruptive deformation, **OR**
- Documented earthquake swarm with strongly suspected volcanic cause

\* Gilbert's fumaroles have not been observed in recent years and Gilbert may be removed from future versions of this list. In 2014 and 2015, fieldwork at Tana and Herbert (C. Neal and K. Nicolaysen, personal commun., 2016) revealed the presence of high-temperature fumaroles. Although we do not have decades of observation at Tana or Herbert, they have been added to this version.

## Date of Last Eruptive Event

Where confidently known, the year of the most recent eruptive event is listed below the volcano name. See the accompanying data table for a field containing the year of suspected eruptive events for those volcanoes with no certain historical eruptions.



The Alaska Volcano Observatory (AVO) is a joint program of the United States Geological Survey (USGS), the Geophysical Institute of the University of Alaska Fairbanks (UAF/GI), and the State of Alaska Division of Geological & Geophysical Surveys (DGGGS).

Cartography by P.G. Ekberg

Map Projection: Alaska Albers Equal Area Conic Map Datum: North American Datum of 1983

