

# RECENTLY ACTIVE VOLCANOES OF ALASKA

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C.E. Cameron, K.F. Bull, and A.E. Macpherson  
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## Definition of Recently 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 ~10°C of the boiling point, **OR**
- Significant, measured, volcanic-related, non-eruptive deformation, **OR**
- Documented earthquake swarm with strongly suspected volcanic cause

\*This publication has previously used the term "historically active" to define a time period from about 1741 CE to the present. However, this term reduces history to a narrow view of the written record dating from the time of the first Europeans who reached Alaska. Alaska has been home to Native peoples for many thousands of years, and Native groups retain oral histories that stretch considerably beyond European contact. This publication is intended to showcase the very youngest volcanoes in Alaska and is thus renamed "Recently Active Volcanoes of Alaska."

\*\*The number of active volcanoes is revised as we refine our understanding of Alaska's complex volcanic systems. Previous versions of this publication did not list Mount Edgecumbe, although we now know that Mount Edgecumbe has been experiencing magmatic intrusion and related seismicity since 2018.

## 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 recent eruption.

## Sources of Data

See accompanying data file for a description of how each volcano met the recently active criteria and up to three overview references pertinent to the recent activity of the volcano.

### Recently Active Volcanoes

Digital data for the Recently Active Volcanoes of Alaska can be accessed as an interactive map or Digital Data Series (DDS):  
Cameron, C.E., Bull, K.F., and Macpherson, A.E., 2023, Recently Active Volcanoes of Alaska: Alaska Division of Geological & Geophysical Surveys Digital Data Series 6, <https://doi.org/10.14509/31086>

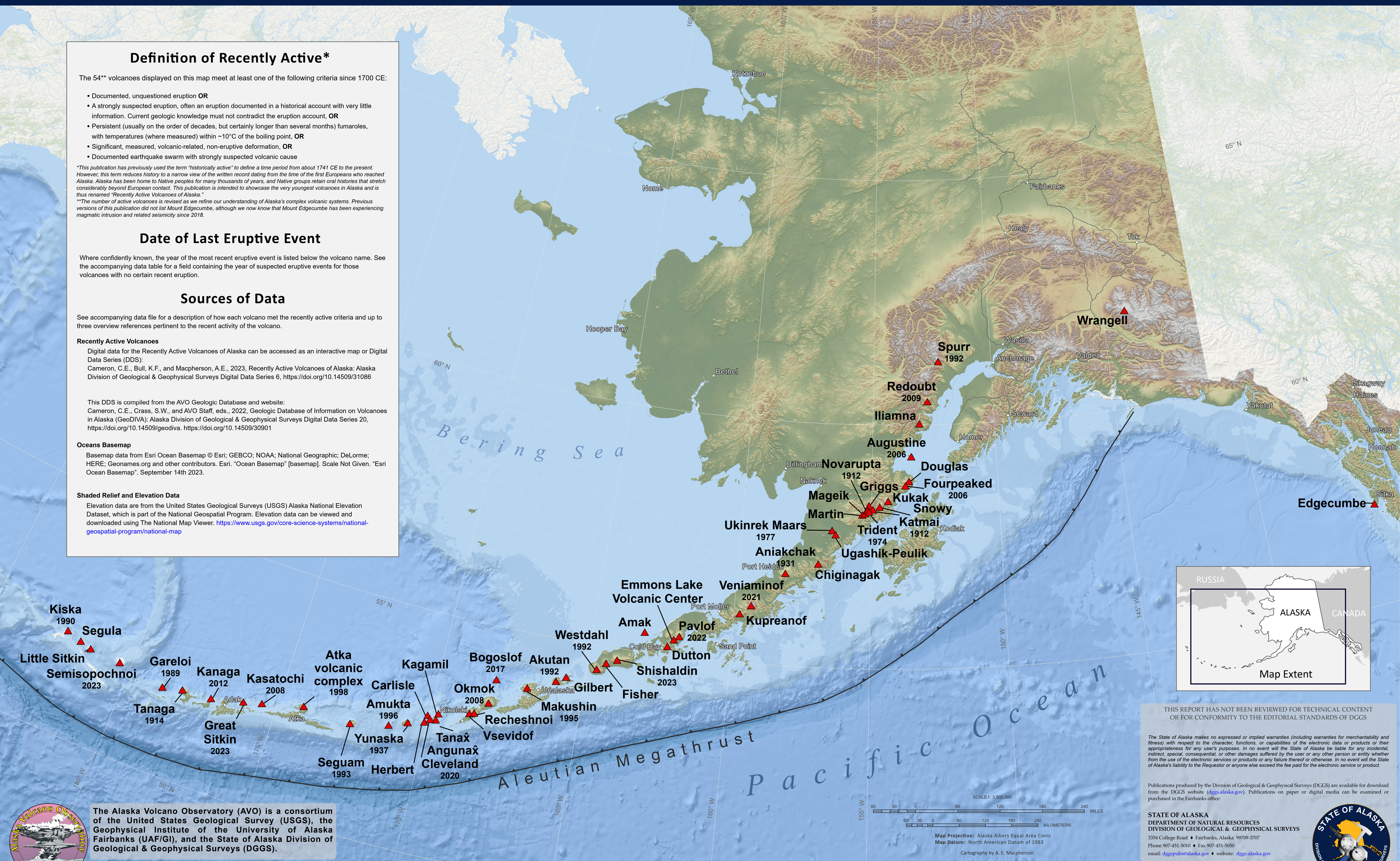
This DDS is compiled from the AVO Geologic Database and website:  
Cameron, C.E., Crass, S.W., and AVO Staff, eds., 2022, Geologic Database of Information on Volcanoes in Alaska (GeoDIVA): Alaska Division of Geological & Geophysical Surveys Digital Data Series 20, <https://doi.org/10.14509/geodiva>, <https://doi.org/10.14509/30901>

### Oceans Basemap

Basemap data from Esri Ocean Basemap © Esri; GEBCO; NOAA; National Geographic; DeLorme; HERE; Geonames.org and other contributors. Esri. "Ocean Basemap" [basemap]. Scale Not Given. "Esri Ocean Basemap". September 14th 2023.

### Shaded Relief and Elevation Data

Elevation data are from the United States Geological Surveys (USGS) Alaska National Elevation Dataset, which is part of the National Geospatial Program. Elevation data can be viewed and downloaded using The National Map Viewer. <https://www.usgs.gov/core-science-systems/national-geospatial-program/national-map>

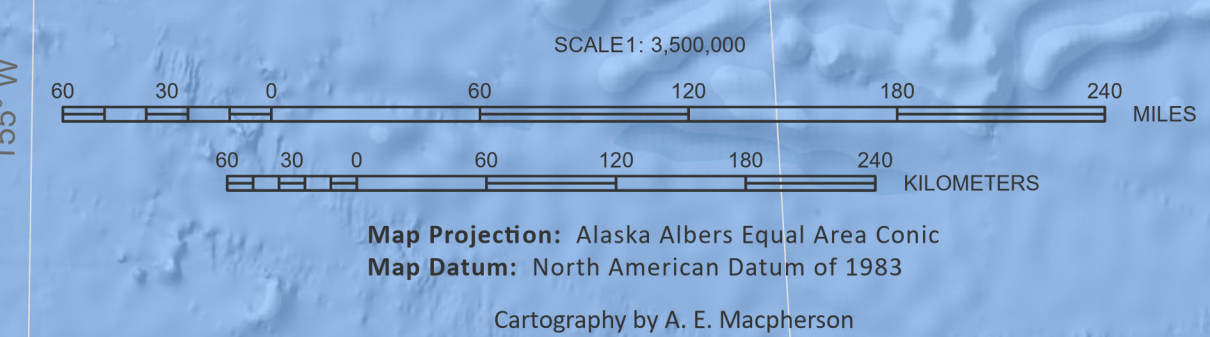


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STATE OF ALASKA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS  
3354 College Road • Fairbanks, Alaska 99709-3707  
Phone 907-451-5010 • Fax 907-451-5050  
email: [dggspubs@alaska.gov](mailto:dggspubs@alaska.gov) • website: [dgs.alaska.gov](https://dgs.alaska.gov)



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