

## Major Volcanoes

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### Abstract

There are many geologically active volcanoes along the Canadian Cordillera in British Columbia and the Yukon. Recurrent earthquakes below our feet and gigantic mountain ranges rising majestically upward remind us that this part of Canada is geologically active. The possibility of an eruption, even a large explosive one, cannot be ruled out. The map shows the major volcanoes and areas with significant accumulation of volcanic ash.

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### Map Sources

#### Major Volcanoes

This map shows locations and significant eruption dates for selected volcanoes and volcanic complexes in Canada and the United States to 1999. Data from: Catalogue of Canadian volcanoes, Geological Survey of Canada, the Alaska Volcano Observatory and the Cascades Volcano Observatory of the United States Geological Survey.

#### Significant Accumulation of Volcanic Ash

The distribution of volcanic ash (tephra) is from a selection of volcanic eruptions in Canada and the United States in the last 12 000 years. The areas represent tephra accumulations of at least 0.5 cm. The areas are extrapolated from known ash deposits. The eruptions dates are estimated using radiocarbon dating techniques and may be subject to refinement over time. Data from: Dr. Catherine Hickson, Geological Survey of Canada, the Alaska Volcano Observatory and the Cascades Volcano Observatory of the United States Geological Survey.

## Related Web sites (1999 – 2009)

### Federal Government

Natural Resources Canada. Geological Survey of Canada. Volcanoes of Canada  
[http://gsc.nrcan.gc.ca/volcanoes/index\\_e.php](http://gsc.nrcan.gc.ca/volcanoes/index_e.php)  
Information about volcanoes in Canada

Natural Resources Canada. Geological Survey of Canada. Volcanoes of Canada.  
Volcanic Hazards  
[http://gsc.nrcan.gc.ca/volcanoes/haz\\_e.php](http://gsc.nrcan.gc.ca/volcanoes/haz_e.php)

Natural Resources Canada. Map of heavily travelled aircraft routes and volcanoes  
[http://gsc.nrcan.gc.ca/volcanoes/images/fig32\\_e.gif](http://gsc.nrcan.gc.ca/volcanoes/images/fig32_e.gif)

Public Safety Canada. Is your family prepared?  
<http://www.getprepared.gc.ca/index-eng.aspx>

## **Provincial/Territorial Government**

British Columbia Provincial Emergency Program  
[http://www.pep.bc.ca/hazard\\_preparedness/Personal\\_Safety.html](http://www.pep.bc.ca/hazard_preparedness/Personal_Safety.html)

## **Other**

Institute of Volcanology and Seismology. Kamchatka, Russia  
<http://www.kscnet.ru/ivs/volcanoes/holocene/main/main.htm>  
Information about volcanoes in eastern Russia (Kamchatka)

Smithsonian National Museum of Natural History, Global Volcanism Program  
[http://www.volcano.si.edu/world/find\\_regions.cfm](http://www.volcano.si.edu/world/find_regions.cfm)  
This site is from the Smithsonian institute and provides a lot of information about volcanoes globally. It is focused on researchers.

United States Geological Survey (USGS). Alaska Volcano Observatory  
<http://www.avo.alaska.edu/>  
Information about volcanoes to the north (i.e. Alaska)

United States Geological Survey (USGS). Cascades Volcano Observatory  
<http://vulcan.wr.usgs.gov/home.html>  
Information about volcanoes to the South (Washington, Oregon, and northern California)

Volcano World  
<http://volcano.und.nodak.edu/>  
This site is a public outreach site of the North Dakota and Oregon Space Grant Consortia administered by the Department of Geosciences at Oregon State University. It provides a variety of resources including activities for kids.