

U.S. Geological Survey - Earthquake Hazards Program

# M 5.2 - 66km S of Kobuk, Alaska

2019-03-26 21:27:17 (UTC) | 66.317°N 157.199°W | 19.7 km depth

## Aftershock Forecast

Contributed by [US<sup>2</sup>](#) last updated 2019-03-26 23:50:05 (UTC)

- ✓ The data below are the most preferred data available
- ✓ The data below have been reviewed by a scientist

Commentary

Forecast

Model

### Be ready for more earthquakes

- More earthquakes than usual (called aftershocks) will continue to occur near the mainshock.
- When there are more earthquakes, the chance of a large earthquake is greater which means that the chance of damage is greater.
- The USGS advises everyone to be aware of the possibility of aftershocks, especially when in or around vulnerable structures such as unreinforced masonry buildings.
- This earthquake could be part of a sequence. An earthquake sequence may have larger and potentially damaging earthquakes in the future, so remember to: Drop, Cover, and Hold on.

### What we think will happen next

According to our forecast, over the next 1 Week there is a 2 % chance of one or more aftershocks that are larger than magnitude 5.2. It is likely that there will be smaller earthquakes over the next 1 Week, with 0 to 18 magnitude 3 or higher aftershocks. Magnitude 3 and above are large enough to be felt near the epicenter. The number of aftershocks will drop off over time, but a large aftershock can increase the numbers again, temporarily.

More details about the earthquake forecast are provided in the section “Our detailed aftershock forecast” below.

### About this earthquake and related aftershocks

So far in this sequence there have been 3 magnitude 3 or higher earthquakes, which are strong enough to be felt, and 0 magnitude 5 or higher earthquakes, which are large enough to do damage.

### Our detailed aftershock forecast

The USGS estimates the chance of more aftershocks as follows: Within the next 1 Week until 2019-04-02 23:59:55 (UTC):

- The chance of an earthquake of magnitude 3 or higher is 67 %, and it is most likely that as few as 0 or as many as 18 such earthquakes may occur in the case that the sequence is re-invigorated by a larger aftershock.
- The chance of an earthquake of magnitude 5 or higher is 3 %, such an earthquake is possible but with a low probability.
- The chance of an earthquake of magnitude 6 or higher is 1 in 300, such an earthquake is possible but with a low probability.
- The chance of an earthquake of magnitude 7 or higher is 1 in 3,000, such an earthquake is possible but with a low probability.

### About our earthquake forecasts

No one can predict the exact time or place of any earthquake, including aftershocks. Our earthquake forecasts give us an understanding of the chances of having more earthquakes within a given time period in the affected area. We calculate this earthquake forecast using a statistical analysis based on past earthquakes.

Our forecast changes as time passes due to decline in the frequency of aftershocks, larger aftershocks that may trigger further earthquakes, and changes in forecast modeling based on the data collected for this earthquake sequence.

*This forecast was issued: 2019-03-26 23:50:05 (UTC)*

*This forecast will be updated on or before 2019-04-02 23:50:05 (UTC)*

Downloads



## For More Information

- [Overview](#)
- [Technical Summary](#)

## Contributors

1. [Alaska Earthquake Center](#)
2. [USGS National Earthquake Information Center, PDE](#)

## Additional Information

- [ANSS Comprehensive Earthquake Catalog \(ComCat\) Documentation](#)
- [Technical terms used on event pages](#)