## **Helium Concentrations from Natural Gas Analysis Tests in Alberta**

AGS Digital Data Release 2020-0033





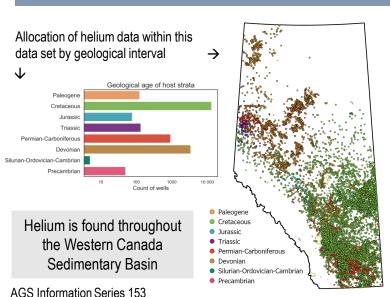
He

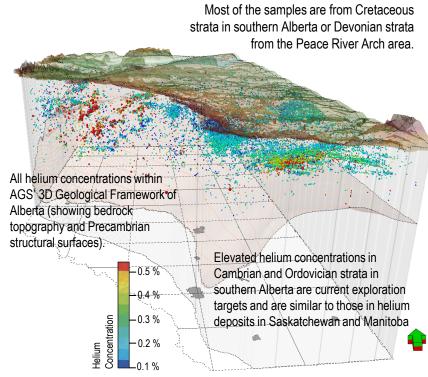
## What is helium?

Helium is a colourless, tasteless, and odourless noble gas. It is the second-most abundant element in the universe but only makes up a very small part of the earth atmosphere.

## Key Points from AGS Digital Data Release 2020-0033

- 22 168 gas analysis samples from 17 703 unique wells have helium concentrations of at least 0.1%
- 3801 samples from 3170 wells are at least 0.3% helium, which is a threshold for what may be economic





This dataset is available for download at <a href="https://ags.aer.ca/publication/dig-2020-0033">https://ags.aer.ca/publication/dig-2020-0033</a>



## Helium has a wide-range of technological uses and medical applications

Interest in helium sources has increased significantly both on a world-wide basis and locally within Alberta mainly due to increased use of helium in different industries and the depletion of the U.S. reserves of helium in storage in the mid-continental U.S. This digital data release contains helium concentration data from natural gas analysis results in Alberta, submitted to the Alberta Energy Regulator by industry.