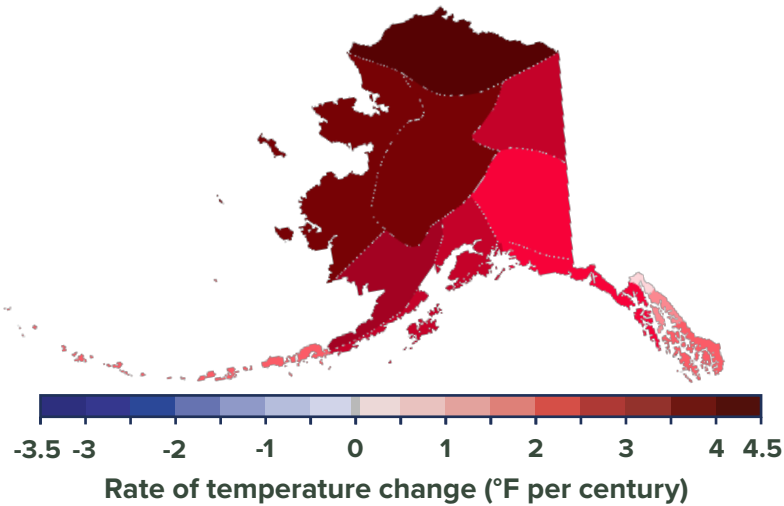


The Changing Arctic Climate

As global temperatures rise, the Arctic is experiencing the fastest rates of warming.

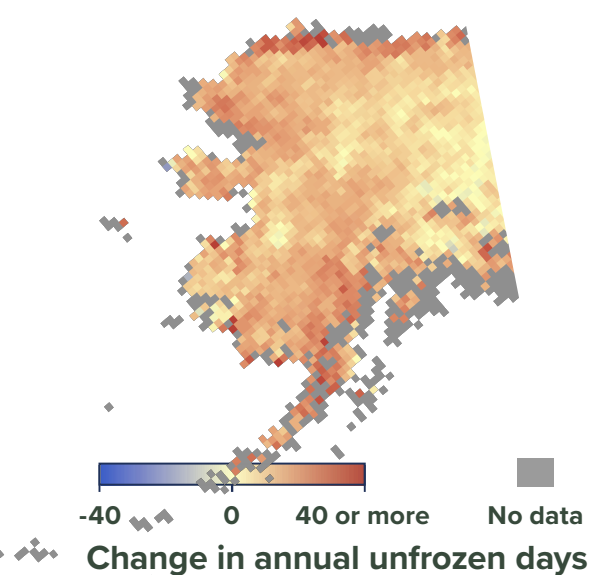


+4.2°F per century

The rate of warming in Alaska is more than double that of the contiguous United States.

Between 1925 and 2023, Alaska's North Slope experienced the fastest rate of temperature change of anywhere measured in the U.S.

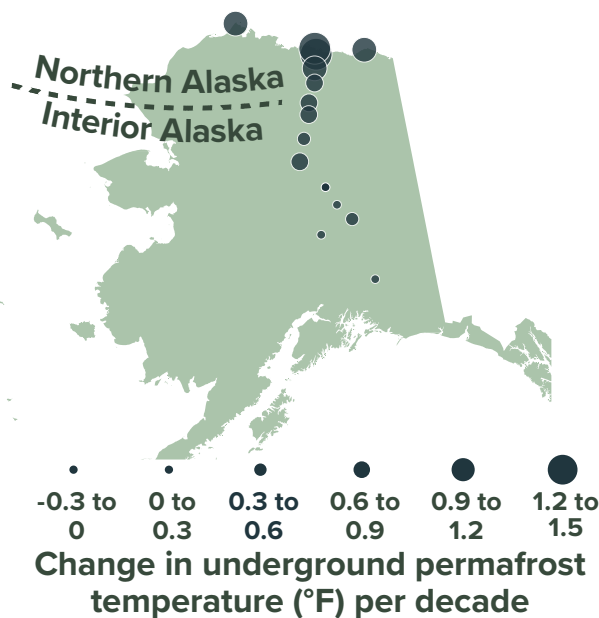
Warming has major consequences for Alaskan people and ecosystems.



Change in annual unfrozen days

GROUND TEMPERATURE

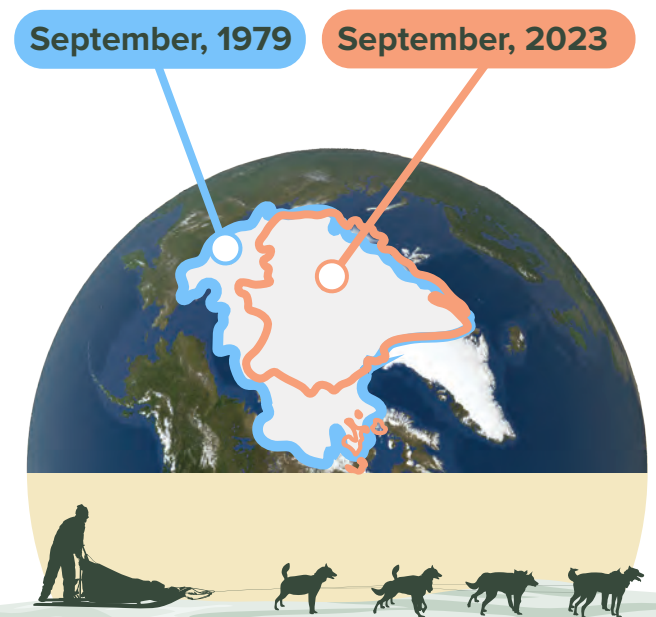
The number of days each year that Alaska's ground surface is unfrozen has increased at a rate of about four days per decade.



Change in underground permafrost temperature (°F) per decade

PERMAFROST

Following air temperature trends, permafrost has warmed more quickly in northern Alaska than interior Alaska.



SEA ICE

September 2023 sea ice extent was the:

5th lowest for any September on record and

32% below the 1981-2020 average sea ice extent.



epa.gov/climate-indicators

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