

Coastal Erosion in Alaska

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ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM

Current Rural Alaska by the Numbers



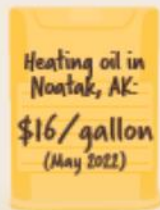
60% of Alaska communities are not connected to the road system

Each year Alaskans in rural communities harvest an average of
295 pounds
of food through subsistence activities.

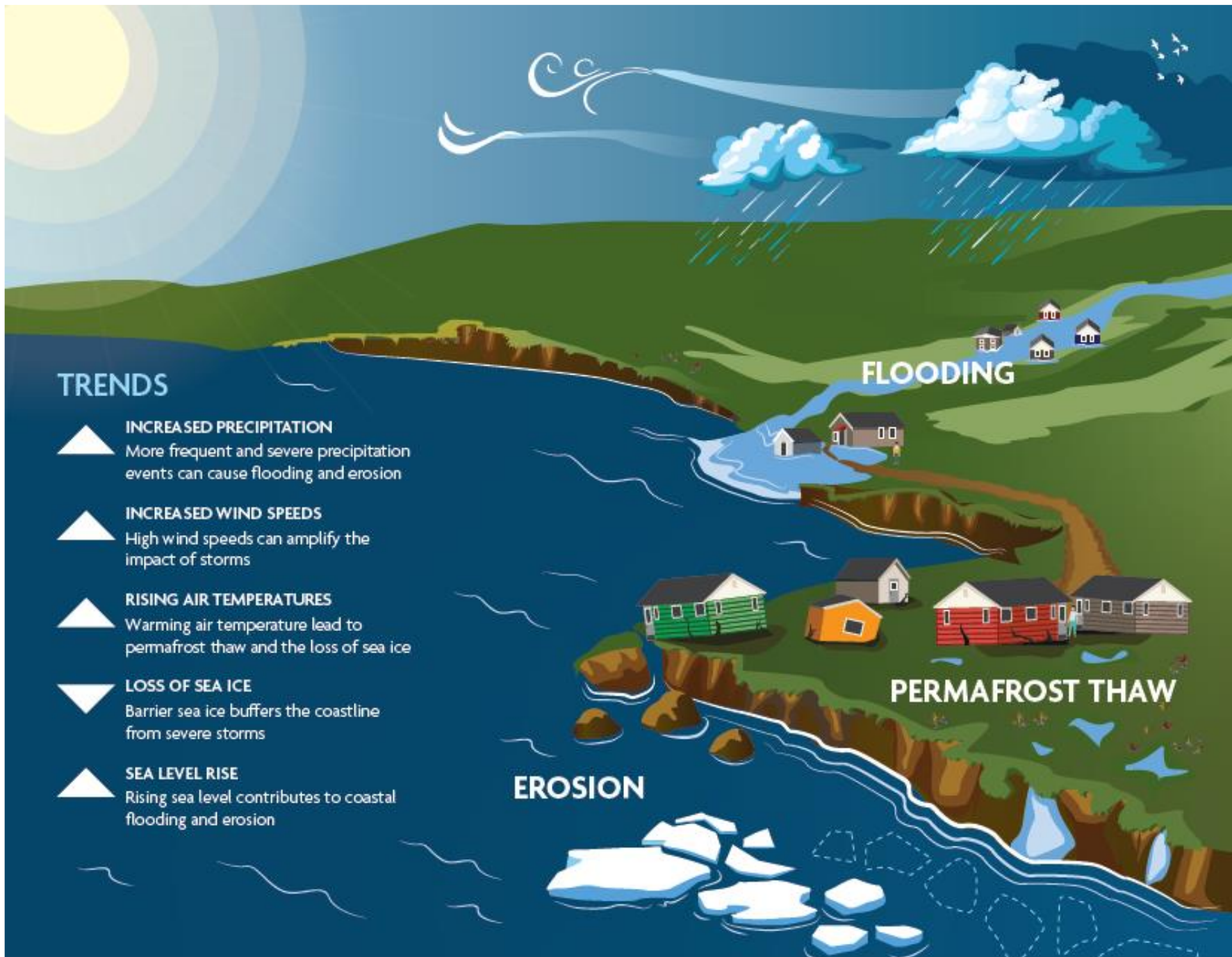


The average population of communities in rural Alaska

The cost of living in rural Alaska is
32% higher
than the national average.
(January 2022)



Of the 144 environmentally threatened communities facing infrastructure impacts from erosion, flooding and permafrost thaw, 95% are economically disadvantaged.



TRENDS

- ▲ **INCREASED PRECIPITATION**
More frequent and severe precipitation events can cause flooding and erosion
- ▲ **INCREASED WIND SPEEDS**
High wind speeds can amplify the impact of storms
- ▲ **RISING AIR TEMPERATURES**
Warming air temperature lead to permafrost thaw and the loss of sea ice
- ▼ **LOSS OF SEA ICE**
Barrier sea ice buffers the coastline from severe storms
- ▲ **SEA LEVEL RISE**
Rising sea level contributes to coastal flooding and erosion

FLOODING

PERMAFROST THAW

EROSION







