

Alaska Geography and Size- WOW!

- Alaska's land area is 568,412 square miles or 365,000,000 acres.
- Largest state at 1/5th the size of the Lower 48
- From east to west is 2,400 miles, and from north to south is 1,420 miles
- Alaska coastlines totals 6,640 miles
- Alaska shoreline including islands totals 33,904 miles
- Alaska has both a rainforest and arctic desert within its borders

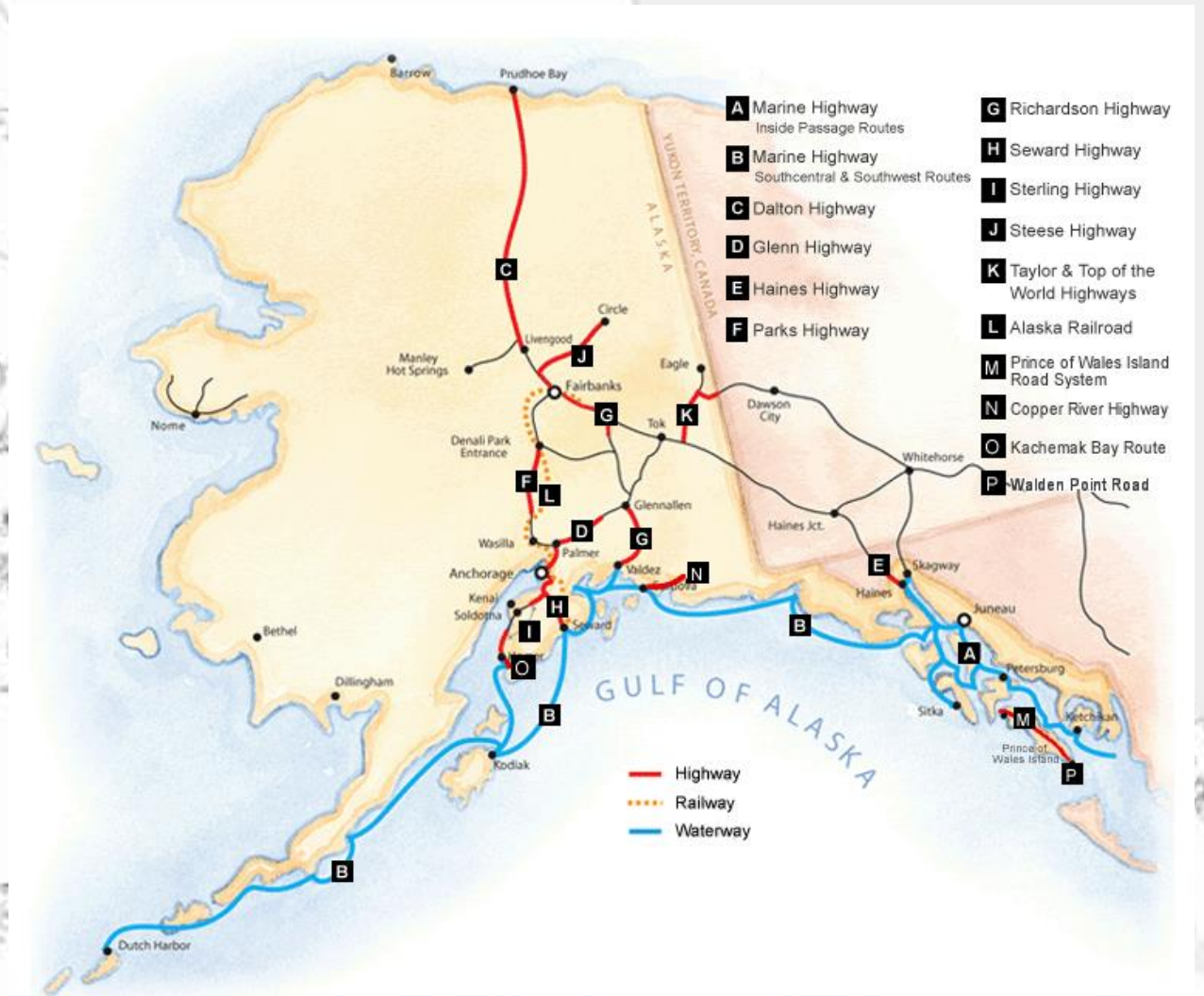


Source: https://www.researchgate.net/figure/Comparison-of-Alaska-to-the-contiguous-United-States-Alaska-is-nearly-one-fifth-the-size_fig1_237723206

Alaska's Unique Emergency Response Issues

Responding to any kind of emergency or natural disaster in Alaska is a big task.

- Limited road and ferry system
- Limited other infrastructure
 - Landline or cell service
 - Limited internet
 - Hospitals
 - Electricity
 - Potable water
 - Resources (other people or equipment needed to assist the response)



Above Photo Banner: Alaska Railroad, Twenty Mile River Valley near Portage Exit. Photo by Dave Krause, Alaska DOT&PF

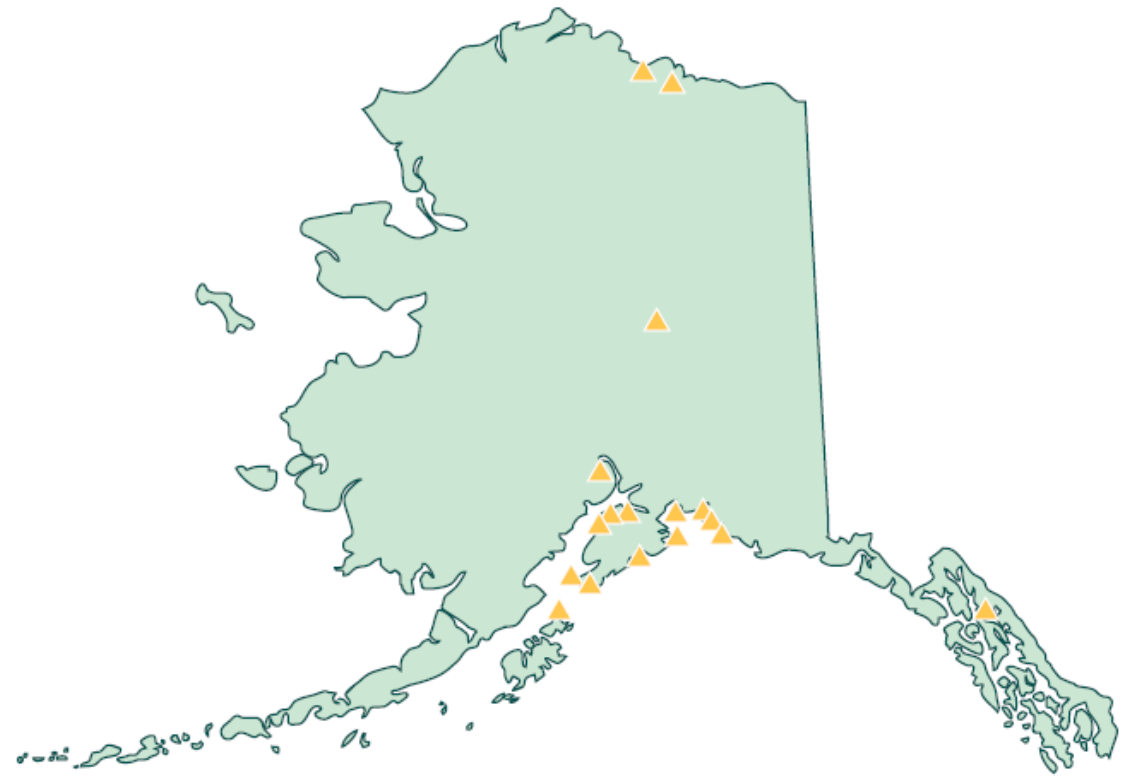
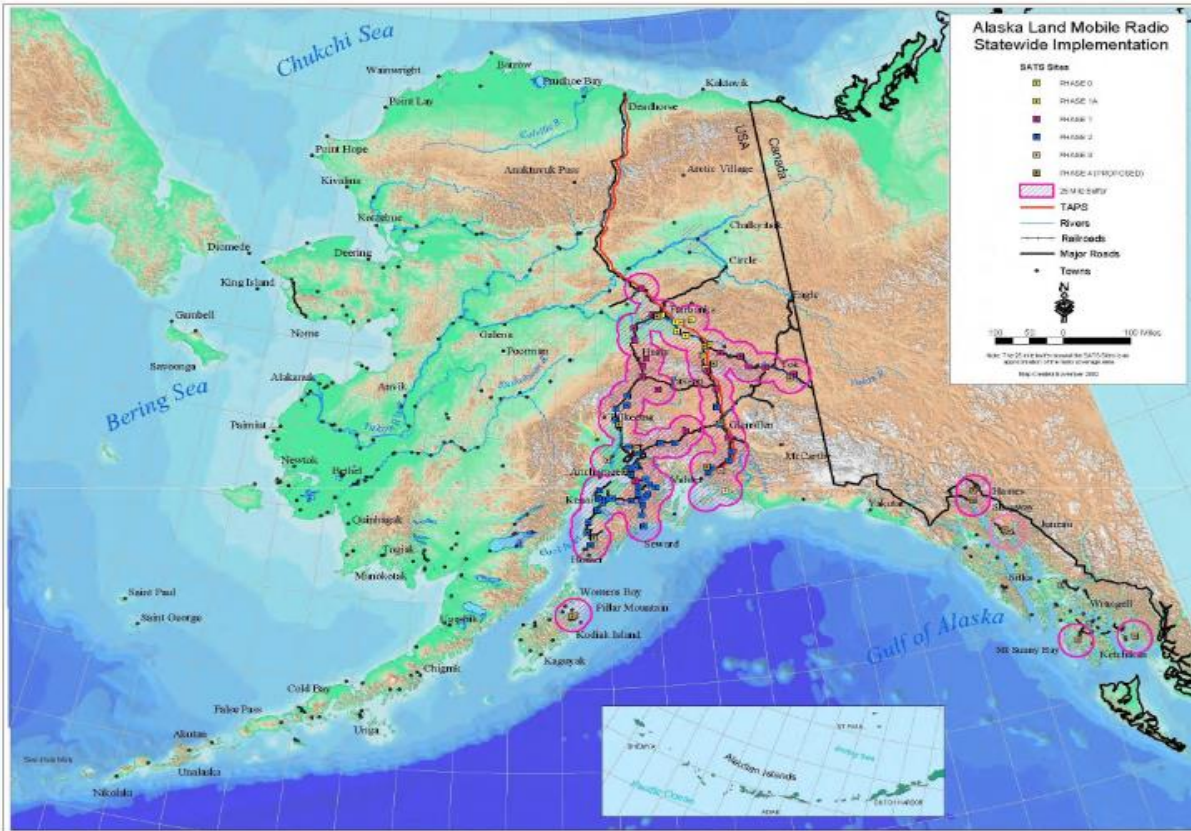
Emergency Response Communication Toolbox

Safety first! Have the right communications to get the job done safely and efficiently.

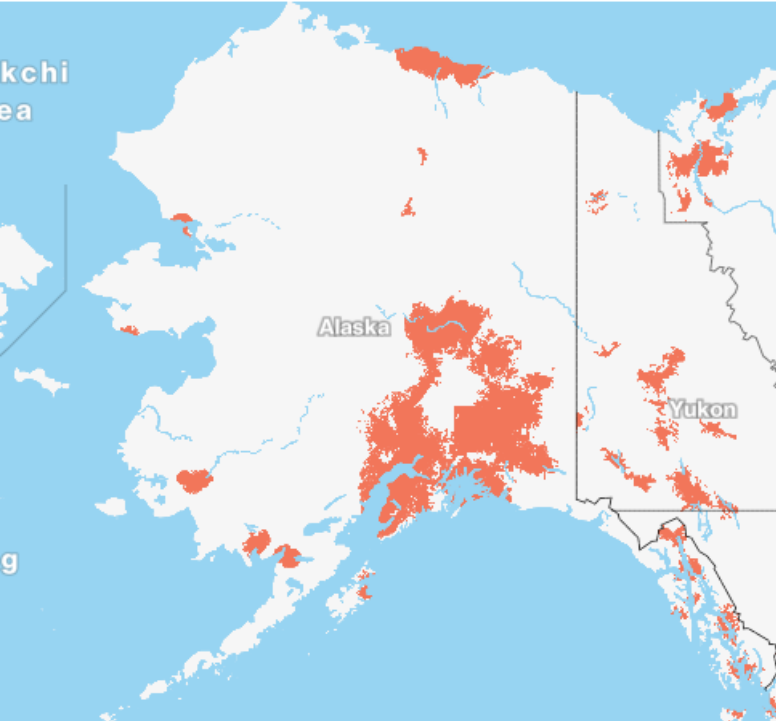
- Alaska Land Mobile Radio (ALMR)
- Mifi – internet hotspot device
- Satellite phones
- Cell phones
- Personal locator beacons



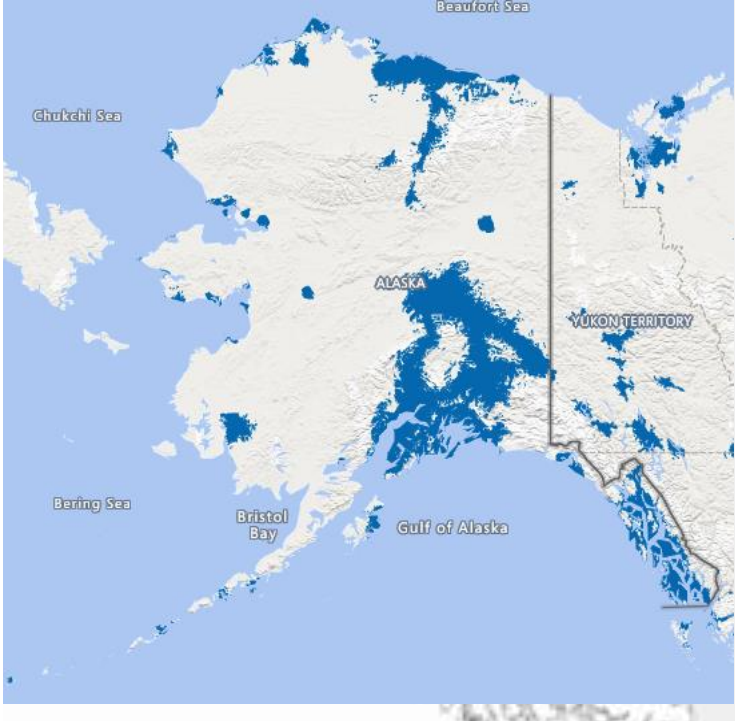
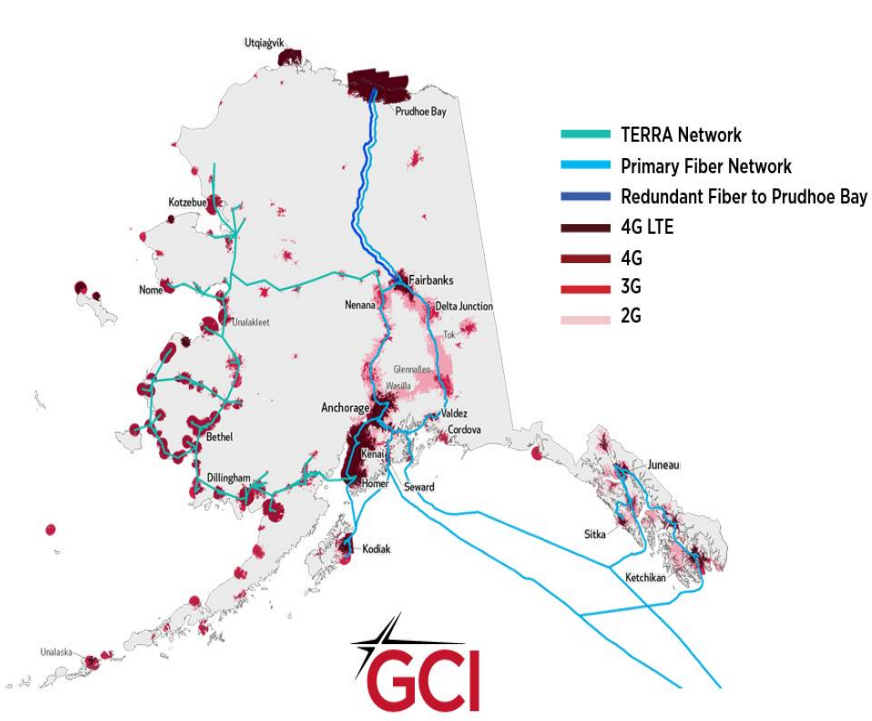
Alaska Land Mobile Radio (ALMR) Coverage Map and Repeater Locations



Verizon and AT&T Wireless Coverage Maps



Verizon



AT&T

Emergency Response Communication Issues



- A patchwork
- Training
- Planning for compatibility
- Charging and cold weather
- New options