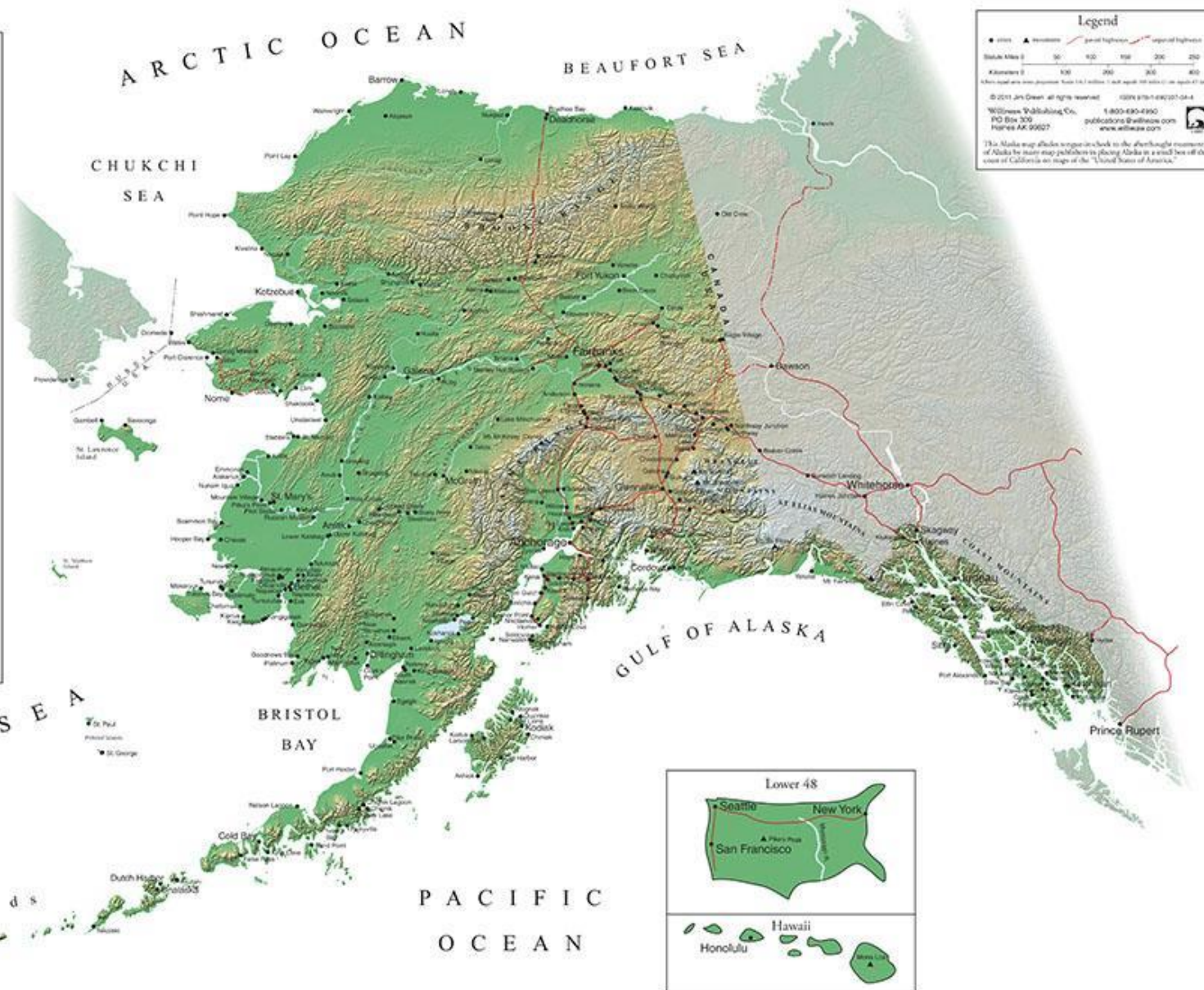


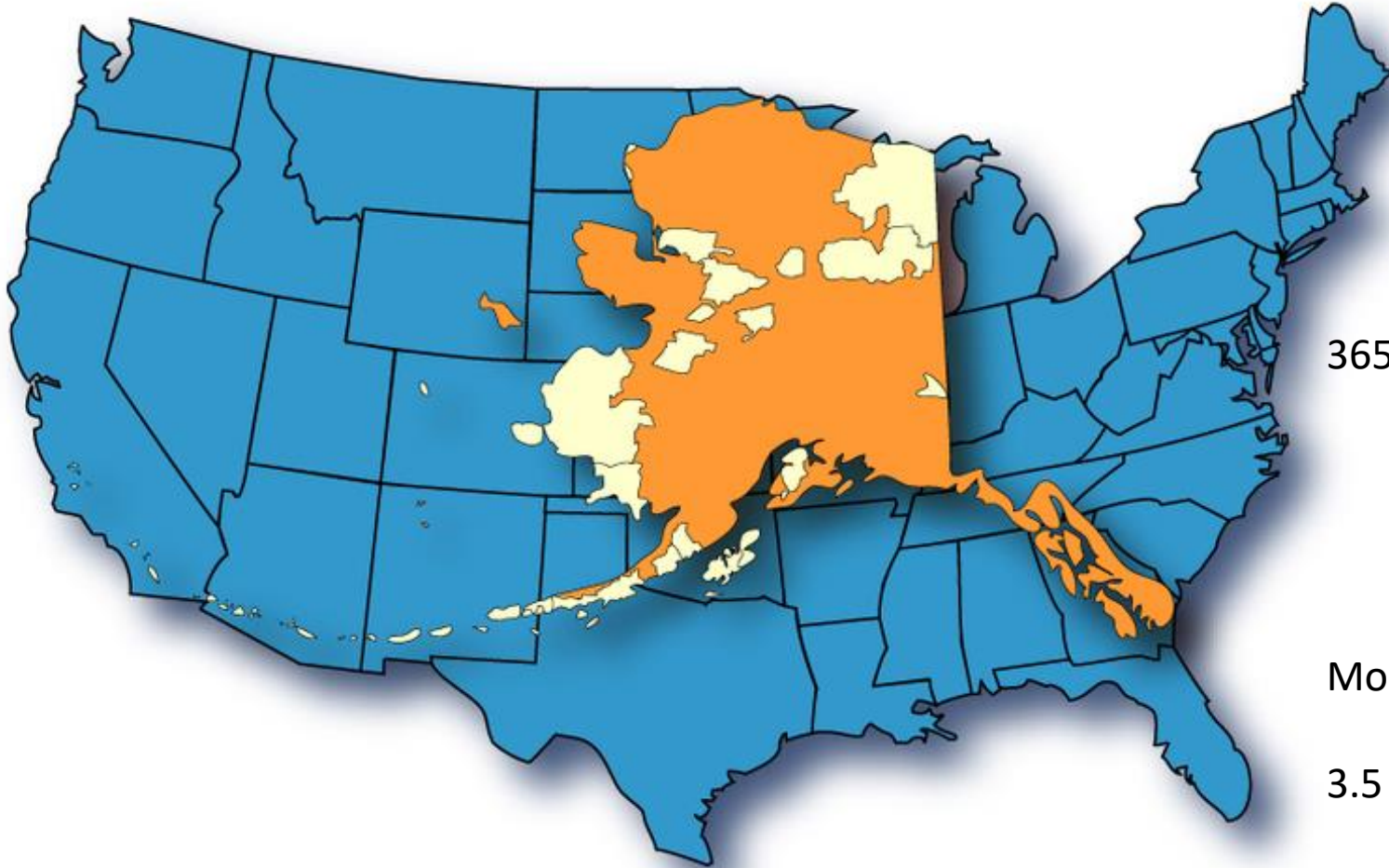
The United States of America

Interesting Facts		
	Alaska	lower 49
geography		
land area (square miles)	616,240	3,102,454
ocean area (square miles)	1,555,613	1,901,178
coastline (miles)	33,904	54,729
glaciated area (sq. mi.)	28,958	266
tidewater glaciers	51	0
peaks higher than 15,000 feet	10	0
historically active volcanoes	53	13
islands larger than 600 square miles	15	4
climate		
hottest ever recorded (°F)	100	Port Yankin 134
coldtest ever recorded (°F)	-80	Denali, AK -70
warmest average (°F)	45.9	Key West, FL 78.1
coldtest average (°F)	10.1	Barrow 37.4
wettest average (inches per year)	226.24	Little Port Wilson 379.02
driest average (inches per year)	3.96	Napavine 3.01
snowiest city (inches per year)	303.8	Vail 240.3
windiest city (yearly average mph)	19.1	Blue Canyon, CA 13.9
average tornadoes per year	<1	Gardnerville 1,300
biology		
grizzly bears	30,000	1,300
bald eagles	60,000	25,000
forested area (square miles)	199,063	824,063
species of poisonous snakes	0	4
demographics		
population	710,231	308,035,307
population density (per square mile)	1.2	99.3
cities over 100,000	1	274
cities over 5,000	12	4,555
males per 100 females	108.5	96.7
<18 years old/65+ years old (percent)	26/8	24/13
indigenous people (percent)	15	1
Indian reservations	1	309
US representatives	1	434
infrastructure		
roads (miles)	15,328	4,027,440
railroads (miles)	518	139,173
airports (per 100,000 population)	72	4
rocket launching facilities	2	10
federal lands (percent)	60	19
crop lands (percent)	0.2	18.0
education/lifestyle		
colleges/universities	7	7,000+
adults with college degree (percent)	26.5	24.4
licensed pilots (percent)	1.3	0.2
boat owners (percent)	7.5	4.5
workers with <10 minute commute (percent)	26	14

¹ area from the coast out 200 miles, known as the Exclusive Economic Zone
² city defined as populated place with a city code



Alaska



365 million acres (2.5 times bigger than Texas)
~200 million acres federal
~104 million acres state
~44 million acres ANCSA
less than 1% conventional private

More coastline than the rest of the US combined

3.5 million lakes (>20 acres)

365,000 river miles (over 3,000 rivers)

2018 Earthquake



2018 Earthquake



2018 Earthquake



2018 Earthquake



2018 Earthquake

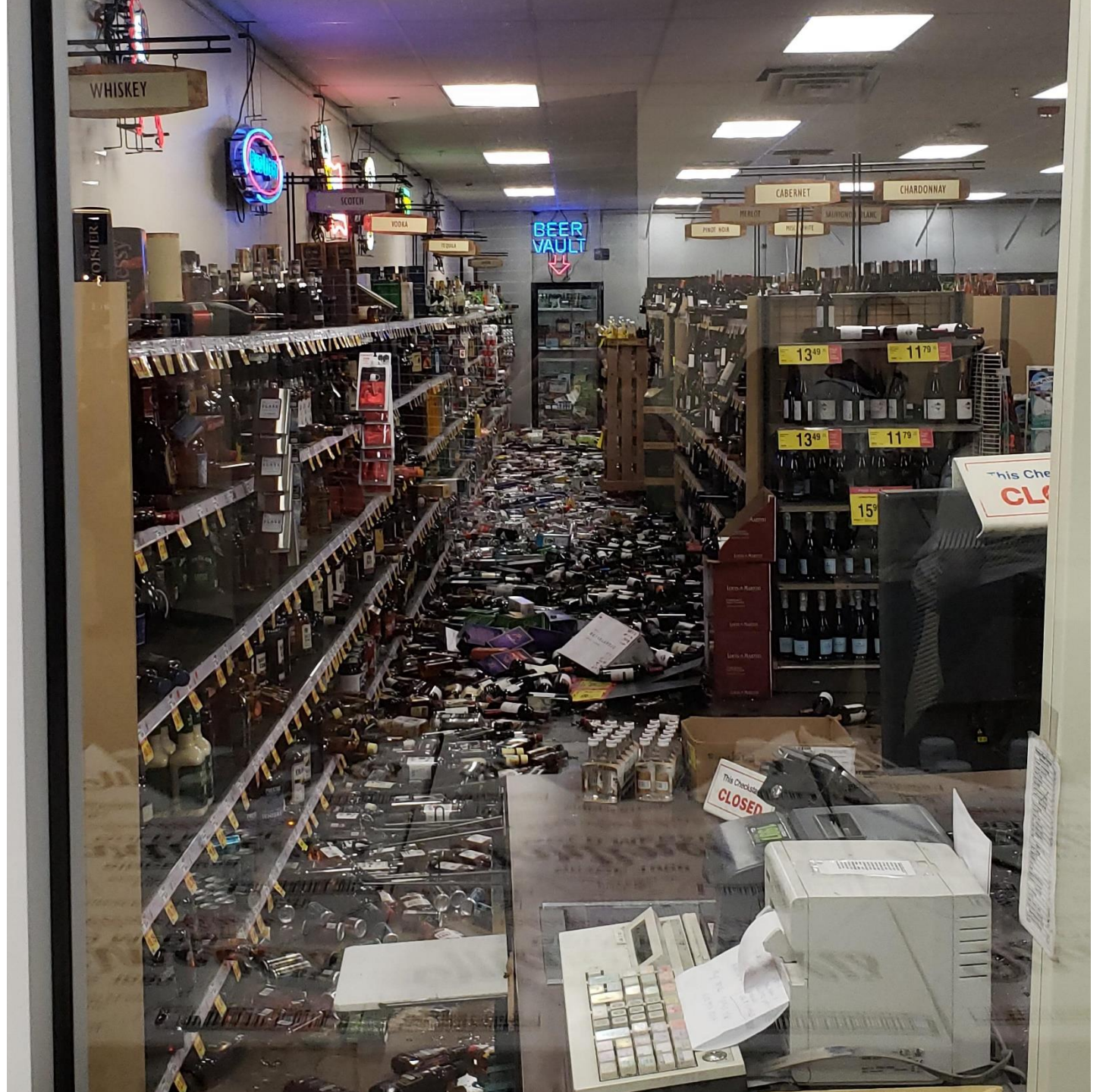


Environment/Health Issues of concern

- Water/Sewer Lines
- Home water wells
- Fuel storage tanks
- Electricity/food spoilage
- Drinking water

SAFETY MOMENT: Prepare a disaster kit for your house and your family!

2018 Earthquake



2018 Earthquake



Alaska Department of Environmental Conservation

December 1, 2018 · 🌐

HOME HEATING FUEL TANKS:

Home owners should inspect their home heating fuel tanks following yesterday's earthquake. For home heating fuel tank resources check here: <https://dec.alaska.gov/.../ppr/prevention-prepared.../hho-tanks/>.

Check Around Your Tank Can Save You Money

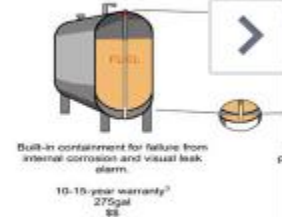


Home Heating Oil Tank Guidance

SINGLE-WALL TANK



DOUBLE BOTTOM TANK



* Manufacturing defects; ** External corrosion; *** 10 and 10-years for internal corrosion; **** Manufact...

Home Heating Oil Tank Guidance



Alaska Department of Environmental Conservation

November 30, 2018 · 🌐

POST-EARTHQUAKE FOOD SAFETY:

Is your power out due to the earthquake? Since it's cold out, consider putting perishables outside to keep them cold until power is restored. Restaurants, grocery stores and food processors should follow proper food safety protocols. Be wary of eating of perishable food that has been unrefrigerated for four hours or more.



Alaska Department of Environmental Conservation

November 30, 2018 · 🌐

***UPDATE: For questions regarding whether or not your well water is safe to drink, see this guide on our website:

<https://dec.alaska.gov/.../pu.../earthquake-recovery-homeowners/>

PRIVATE WELL USERS:

Please be aware that your well may have been adversely impacted by the earthquake. If you are in the earthquake zone, please take the following precautions if you are going to use your well water for drinking, cooking, brushing teeth or washing produce:

If the water is cloudy:

- Filter it through a clean cloth, paper towel or coffee filter or allow it to settle.
- Draw off the clear water.
- Bring the clear water to a rolling boil for one minute.
- Let the boiled water cool.
- Store the boiled water in clean, sanitized containers with a tight cover.

If the water is clear:

- Bring the clear water to a rolling boil for one minute.
- Let the boiled water cool.
- Store the water in clean, sanitized containers with a tight cover.

2018 Earthquake

**7.0 EARTHQUAKE IN ALASKA. WE WILL
REBUILD!!**



**72 HOURS LATER...AAAAND
DONE**



2019 Fires



2019 Fires

Alaska has the nation's two largest national forests:
The Tongass and the Chugach

659 wildfires in Alaska in 2019
2.5 million acres burned (# still growing)

Environment/Health Issues of concern

- Air Quality



2019 Fires



Alaska Department of Environmental Conservation

July 9 · 🌐

Due to wildfire smoke, DEC has issued air advisories for Southeast and Southwest Alaska, Anchorage, Mat-Su, Kenai Peninsula, Fairbanks, the Tanana Flats, Yukon Valley, and the Northway area. Please visit <https://bit.ly/2xejyHT> for more information.

Key to Air Quality Categories

Moderate

Unusually sensitive people should consider reducing prolonged or heavy exertion.

Unhealthy for Sensitive Groups

People with heart or lung disease, the elderly, and children should reduce prolonged or heavy exertion.

Unhealthy

People with respiratory or heart disease, the elderly and children should avoid prolonged exertion; everyone else should limit prolonged exertion.



Alaska DEC

@AlaskaDEC

Due to smoke from wildfires across Alaska, air quality advisories have been issued for Southcentral, Interior and Central Alaska. Please visit bit.ly/2xejyHT for more information on these advisories and precautions you can take if there is smoke in your area.



9:20 AM - 11 Jul 2019

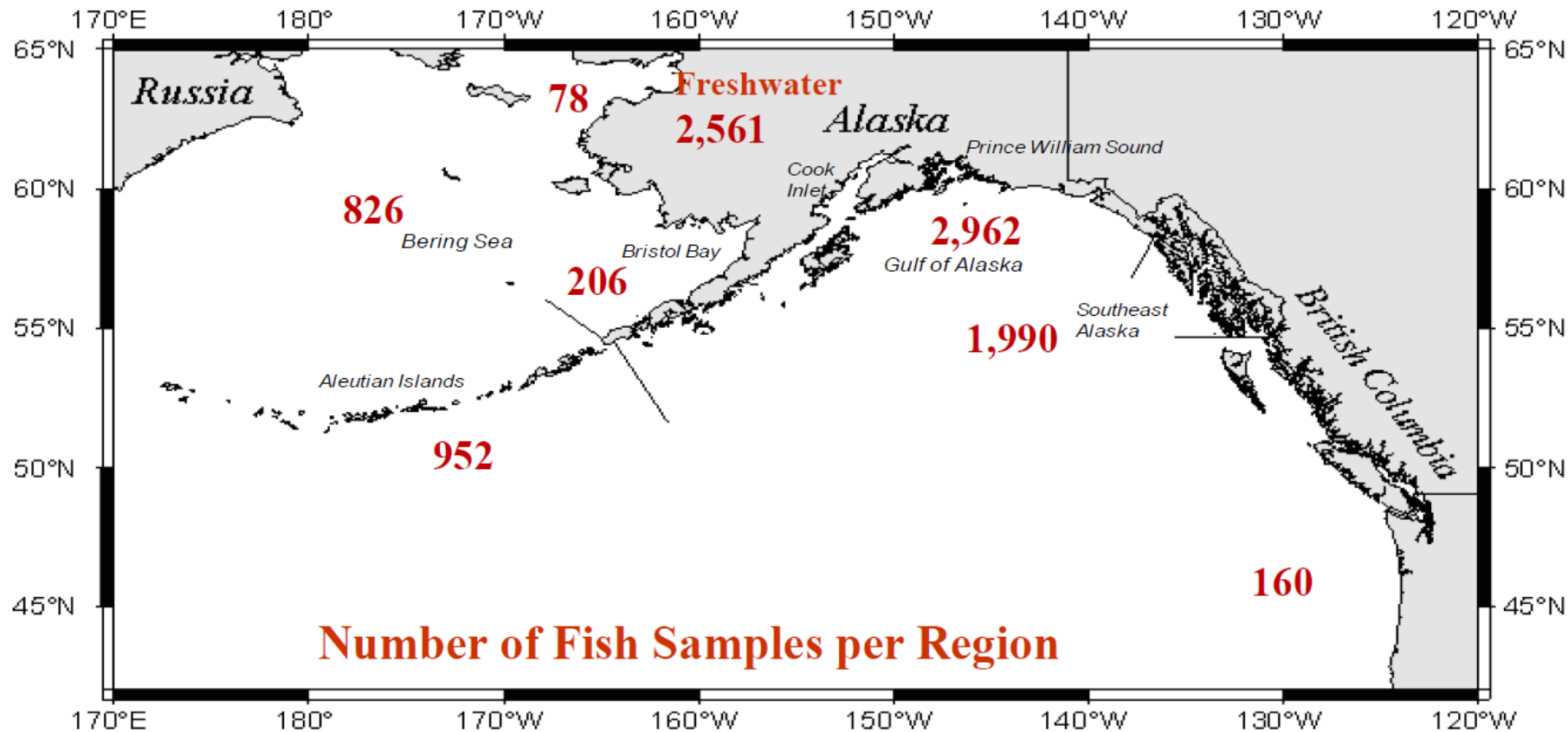
Japan Tsunami/Fukushima

Estimates of 5 million tons were carried into the Pacific



Fukushima radiation study

Areas Fish Were Collected for the ADEC Fish Monitoring Program

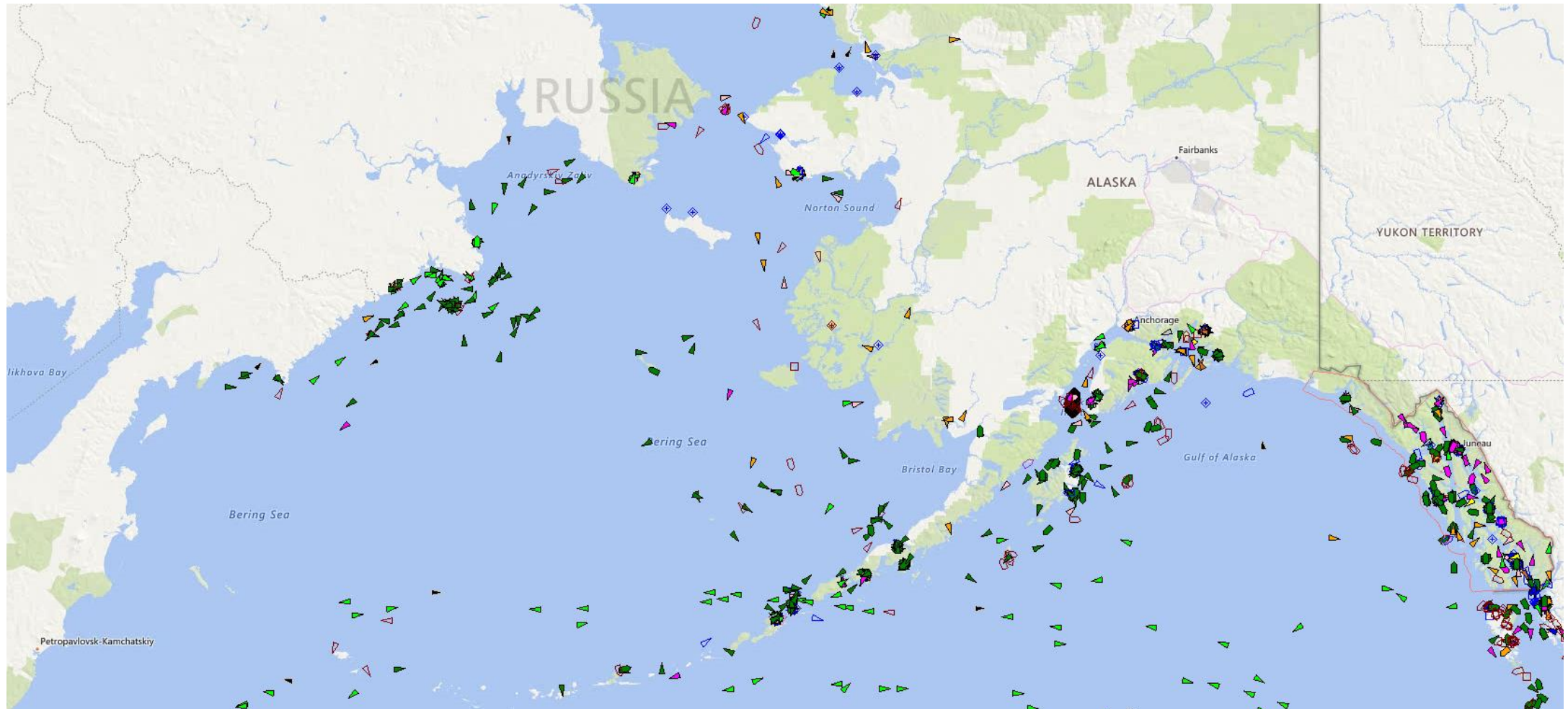
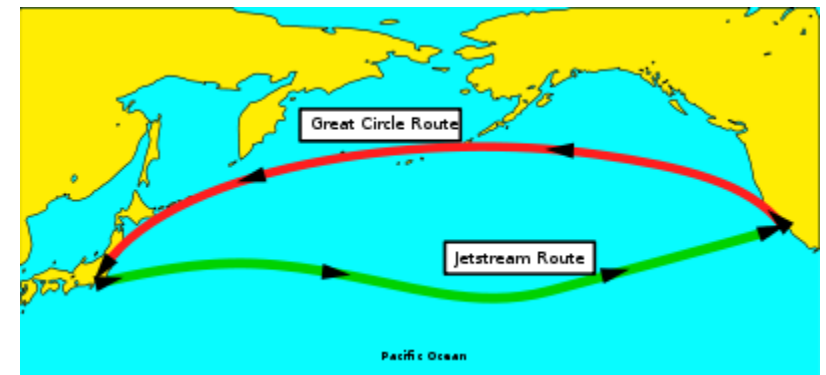


Number of Fish Samples per Region

Total Samples collected so far > 10,000

Over half of the nation's commercially harvested fish comes from Alaskan waters

Innocent passage



MV Selendang Ayu 2004



Prevention is far better than response





Questions?

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