

1974 Bering Sea Storm

November 11-12, 1974

Overview

On November 11th 1974, a very strong storm brought coastal flooding, winds and damage across the coast of western Alaska. The communities of Nome and Teller were particularly impacted. Flood waters in Nome exceeded 1913 levels and as of 2024 remain the highest on record. There was a widespread loss of communication and electrical infrastructure. Reliance on emergency phones was necessary. The King Island community in Nome lost all 80 homes. The Bureau of Indian Affairs helped provide 20-30 new homes. Many smaller villages were without communication altogether. There was widespread loss of subsistence equipment including boats, nets and snowmachines.

Weather Woes

The storm moved from the Aleutians through the Bering Strait on Nov. 11 bringing winds of 55-80 mph. The timing of the maximum storm surge aligned with monthly maximum tides. The lowest pressure was 949 mb. Sea ice in Utqiagvik reportedly lifted 1-2 ft due to the storm.

Millibars (mb)

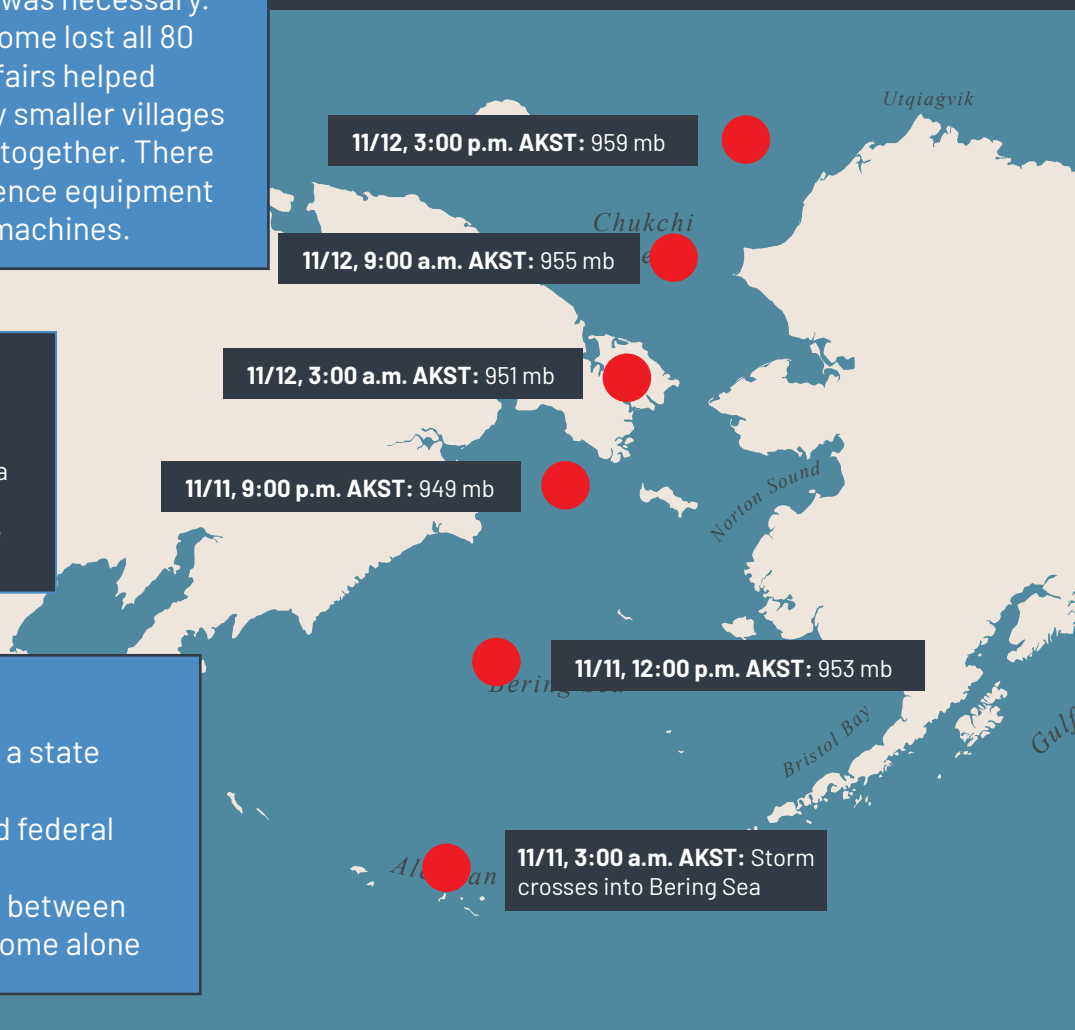
Millibars are units of air pressure. The standard air pressure at sea level is 1013 mb. In contrast, Merbok (2022) reached a lowest atmospheric pressure of 937 mb. The lower the pressure, the stronger the storm.

Disaster Declared:

Nov. 12 Governor Egan declared a state disaster emergency

Nov. 14 President Ford approved federal disaster declaration

Damages were estimated to be between **\$12-15 million** (1986 dollars) in Nome alone



International Arctic
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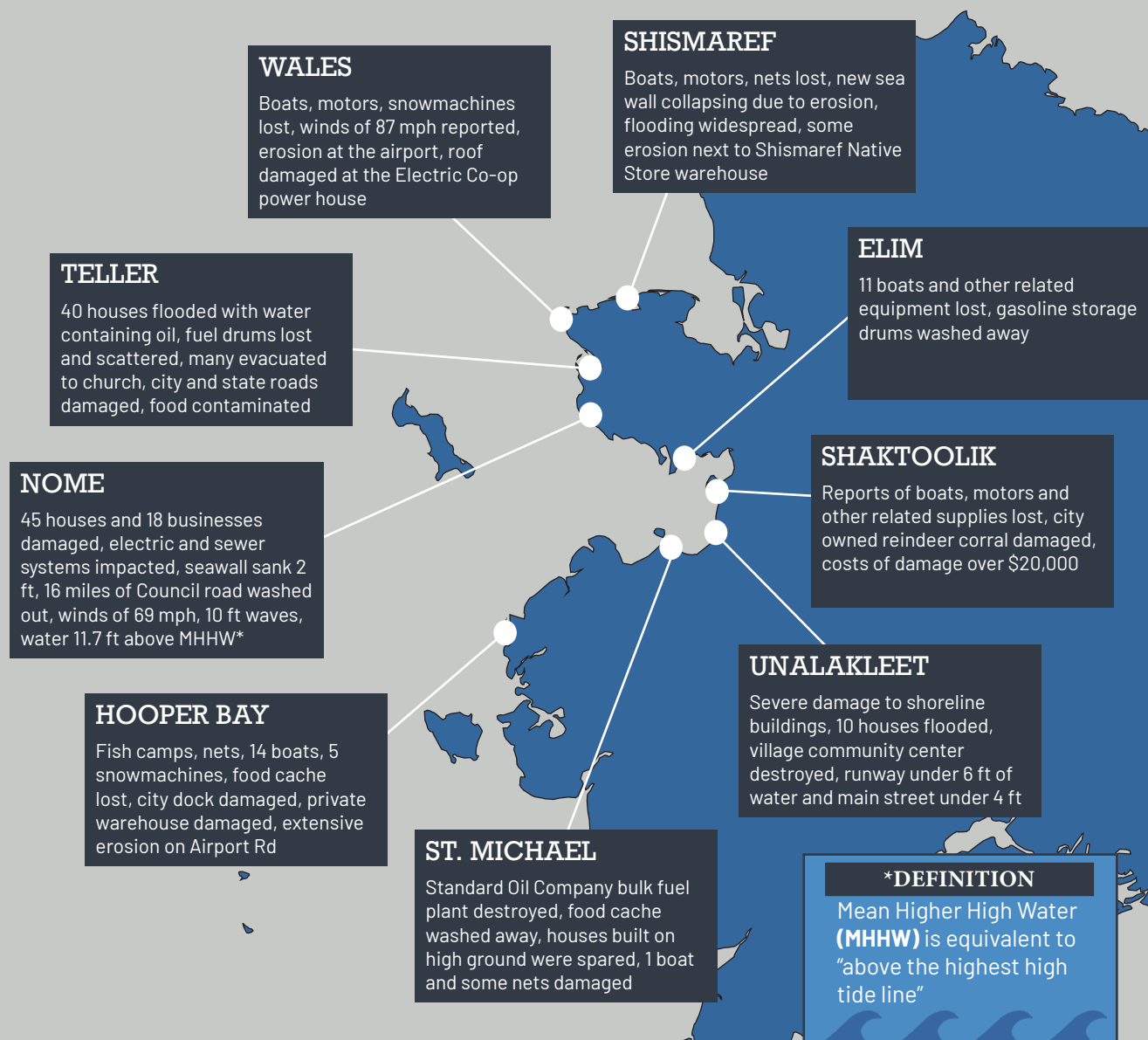
ACCAP

Alaska Center for Climate
Assessment and Policy

A NOAA CAP/RISA Team



Community Specific Impacts



Communication Catastrophe

Most communication was knocked out following the storm. In Nome, only some emergency phones powered by battery and less than 5 teletype circuits (machines used for sending and receiving text) were operational. The Civil Defense commandeered the emergency phones. The teletype circuits were used around the clock to convey damages as well as share messages of safety to family and friends. In many smaller communities, communication was not possible immediately after the storm.

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