



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM

LEO Network Spring 2021 Climate Review and Summer 2021 Outlook

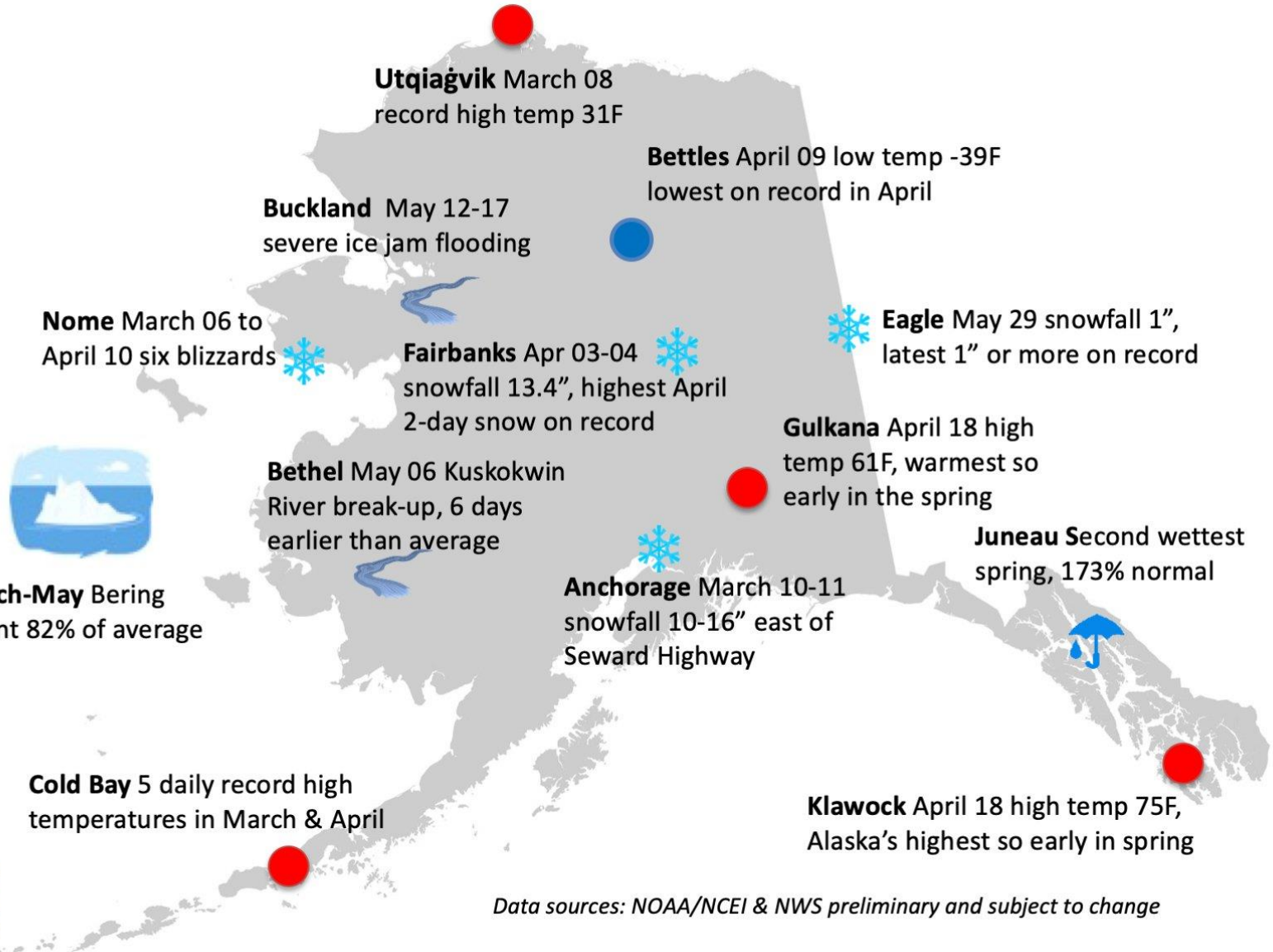
Rick Thoman

Alaska Center for Climate Assessment and Policy
University of Alaska Fairbanks
Troth Yeddha' Campus

June 22, 2021



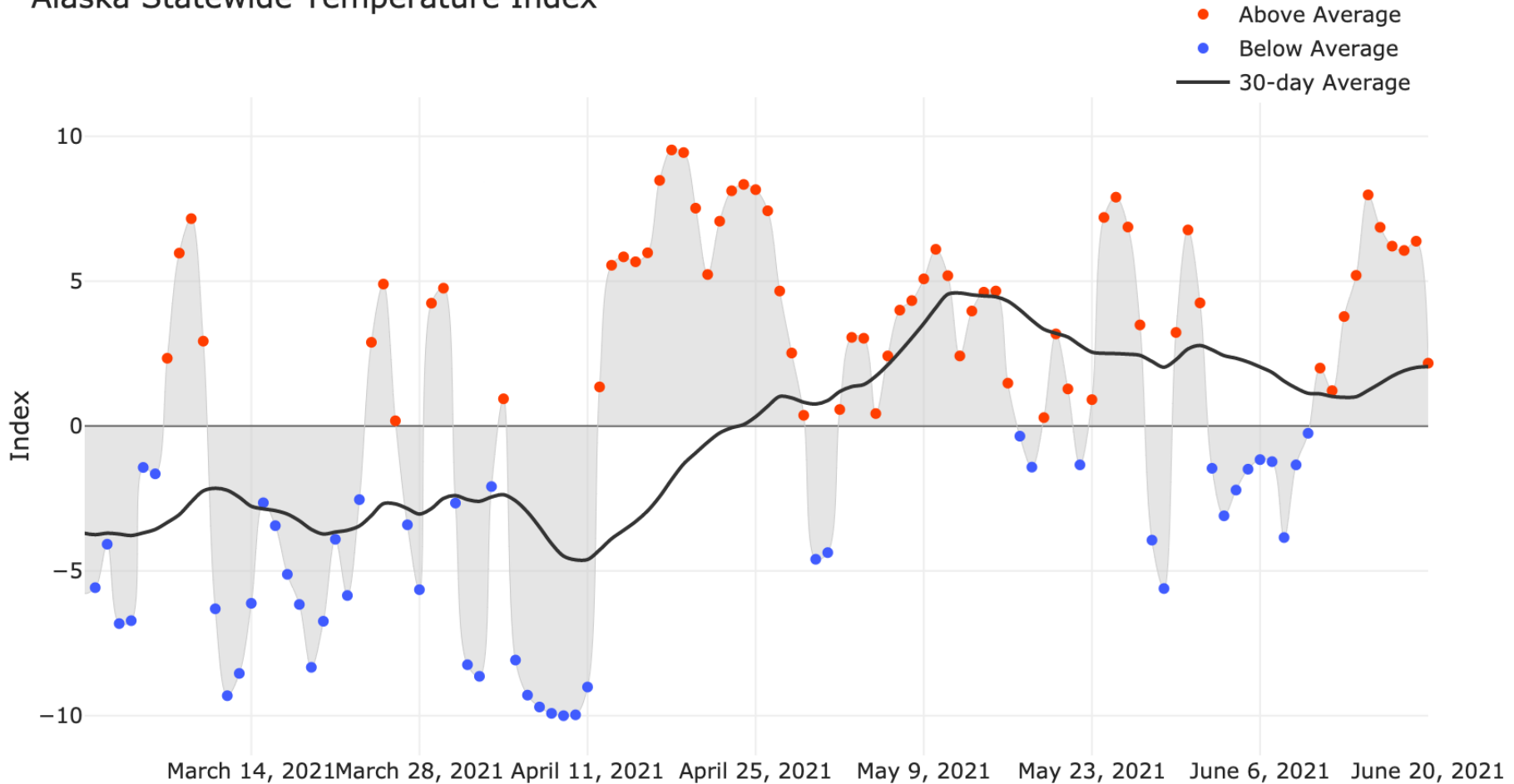
Spring 2021 Alaska Weather & Climate Highlights



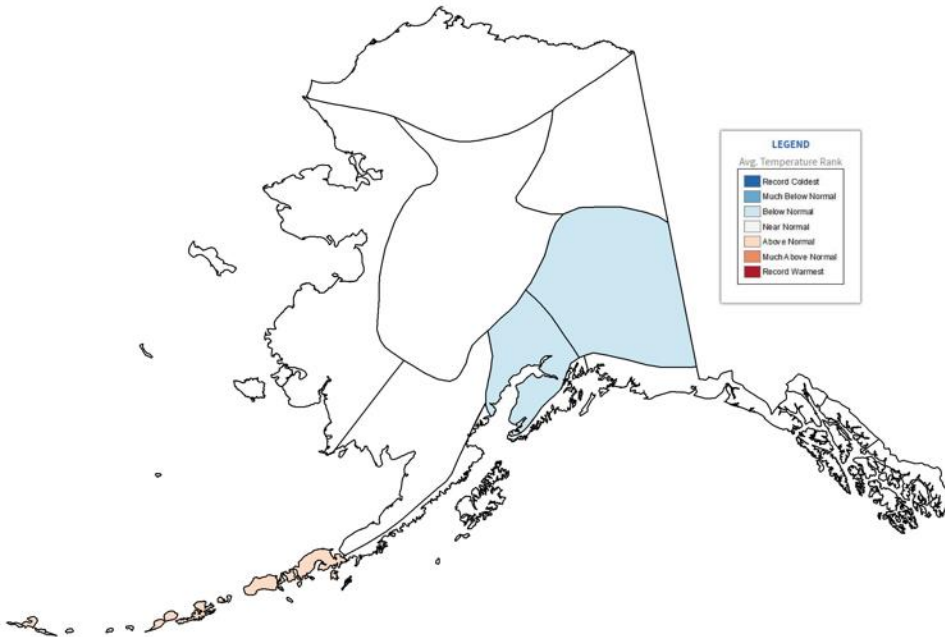
Data sources: NOAA/NCEI & NWS preliminary and subject to change

Alaska Daily Temperature Index

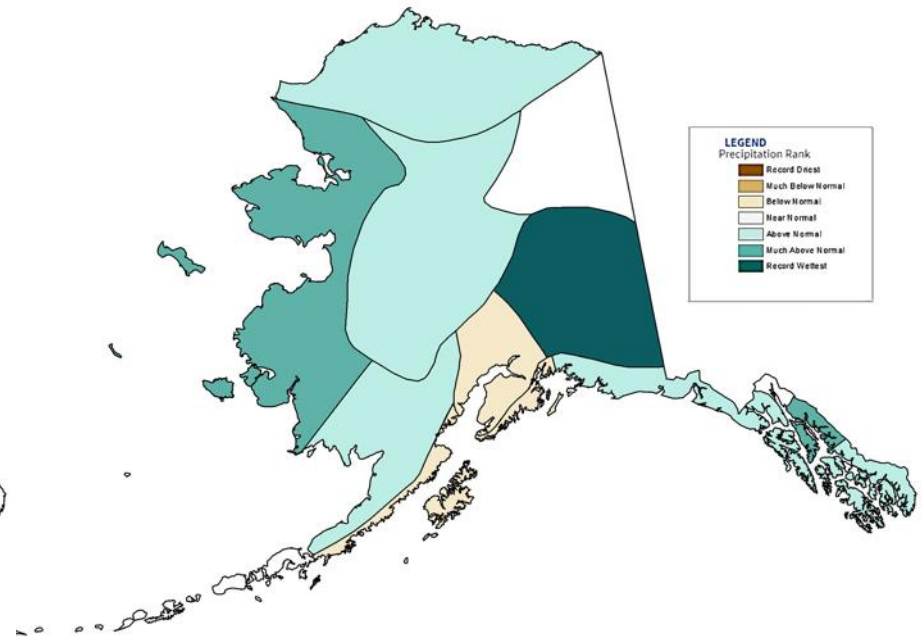
Alaska Statewide Temperature Index



Alaska Regional Spring (March-May) 2021



NOAA Temperatures

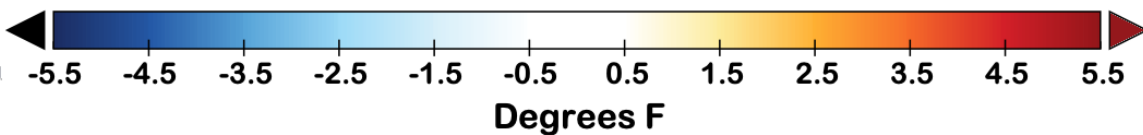
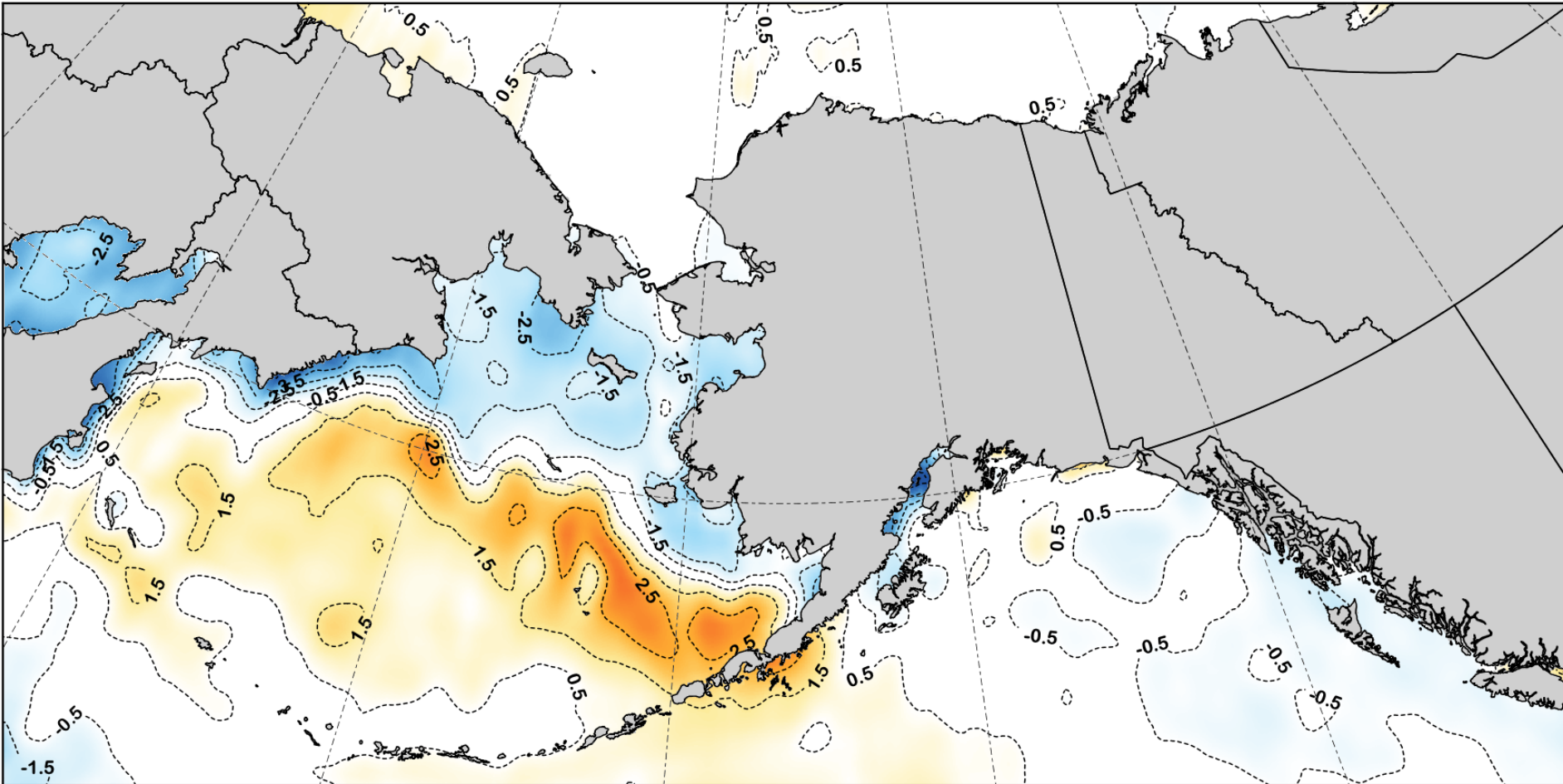


NOAA Precipitation

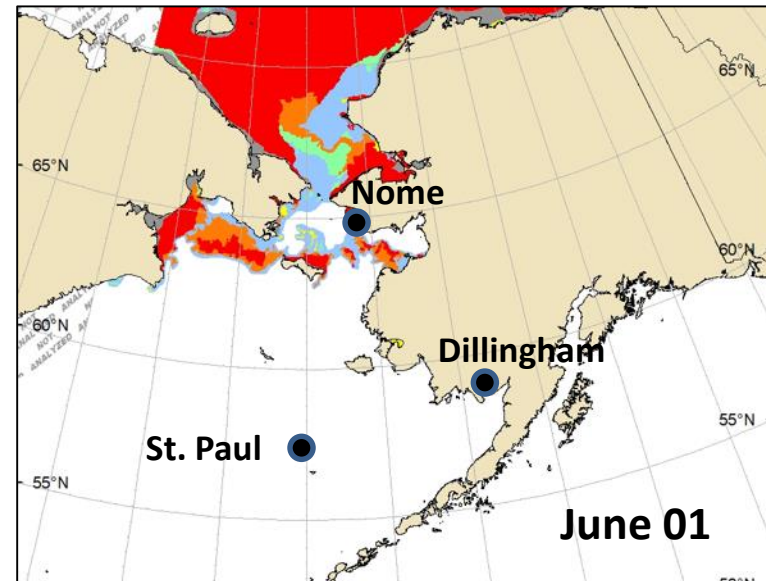
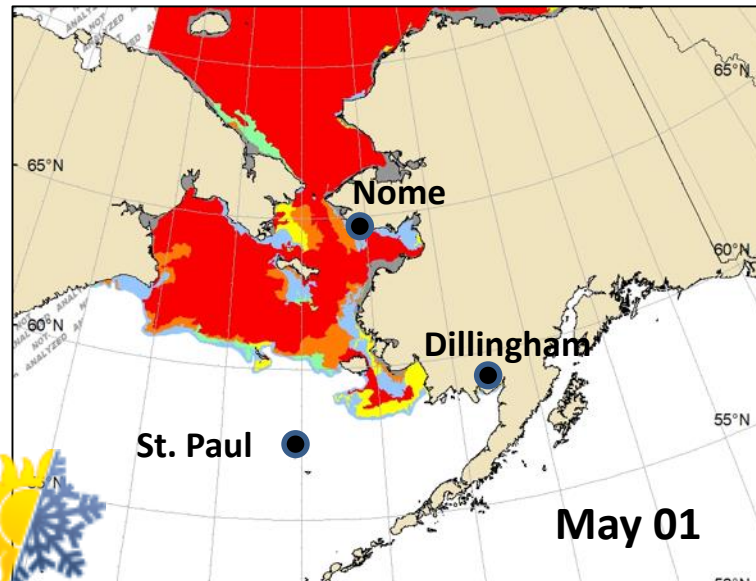
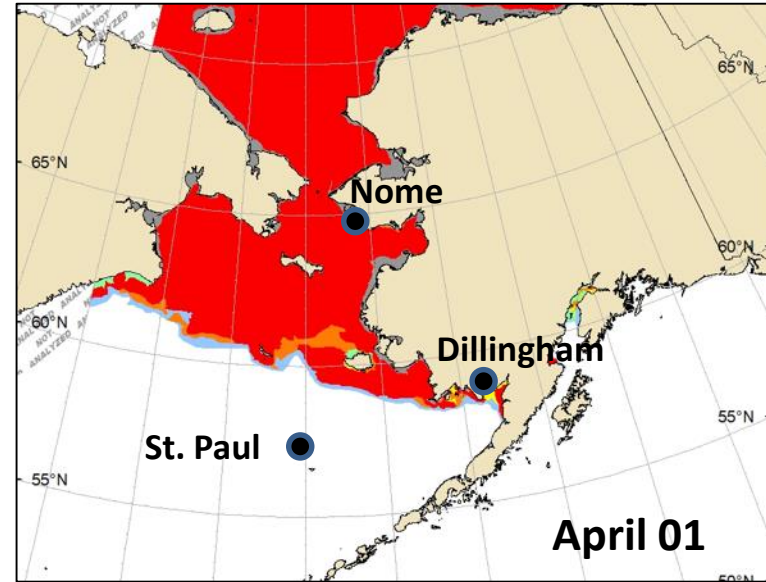
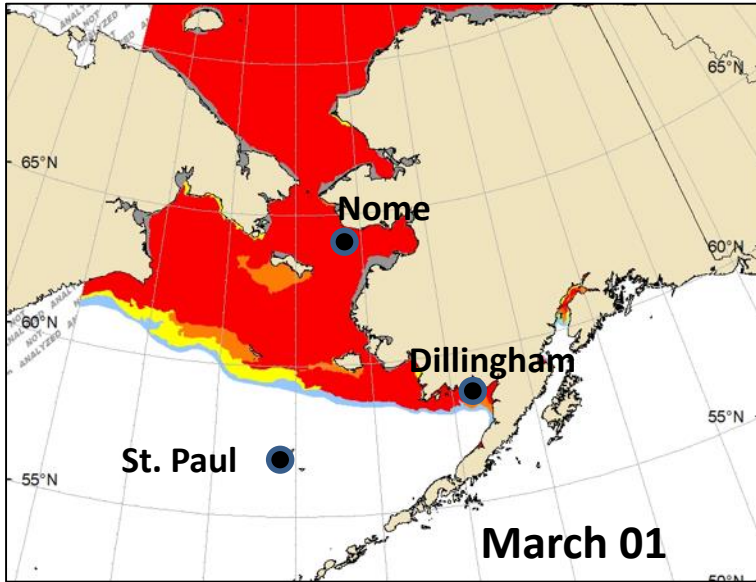
Notes: Change to 1991-2020 "normal" baseline
Significant differences between analyses

Spring 2021 Ocean Temperatures

Average Sea Surface Temperature Departure from Normal
March through May 2021

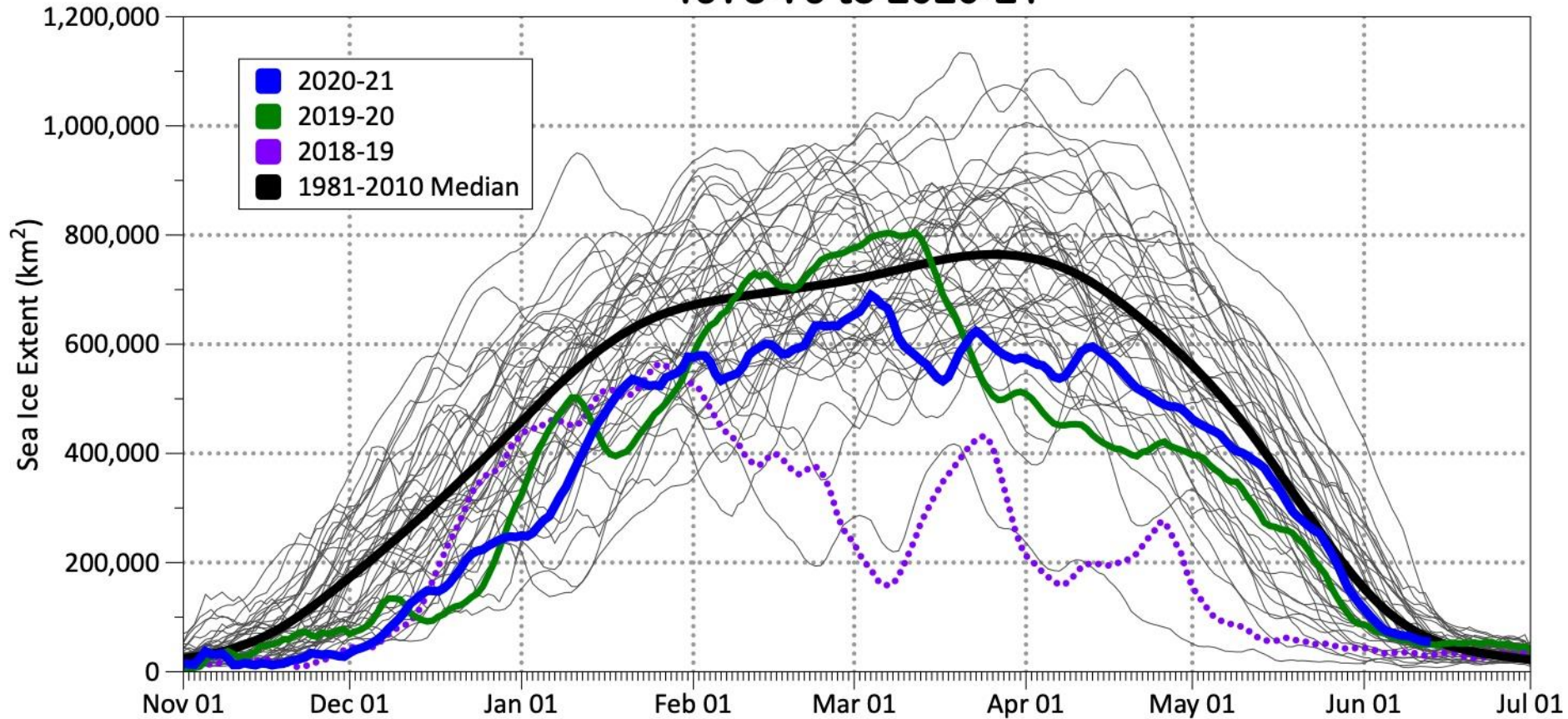


2021 Ice Extent

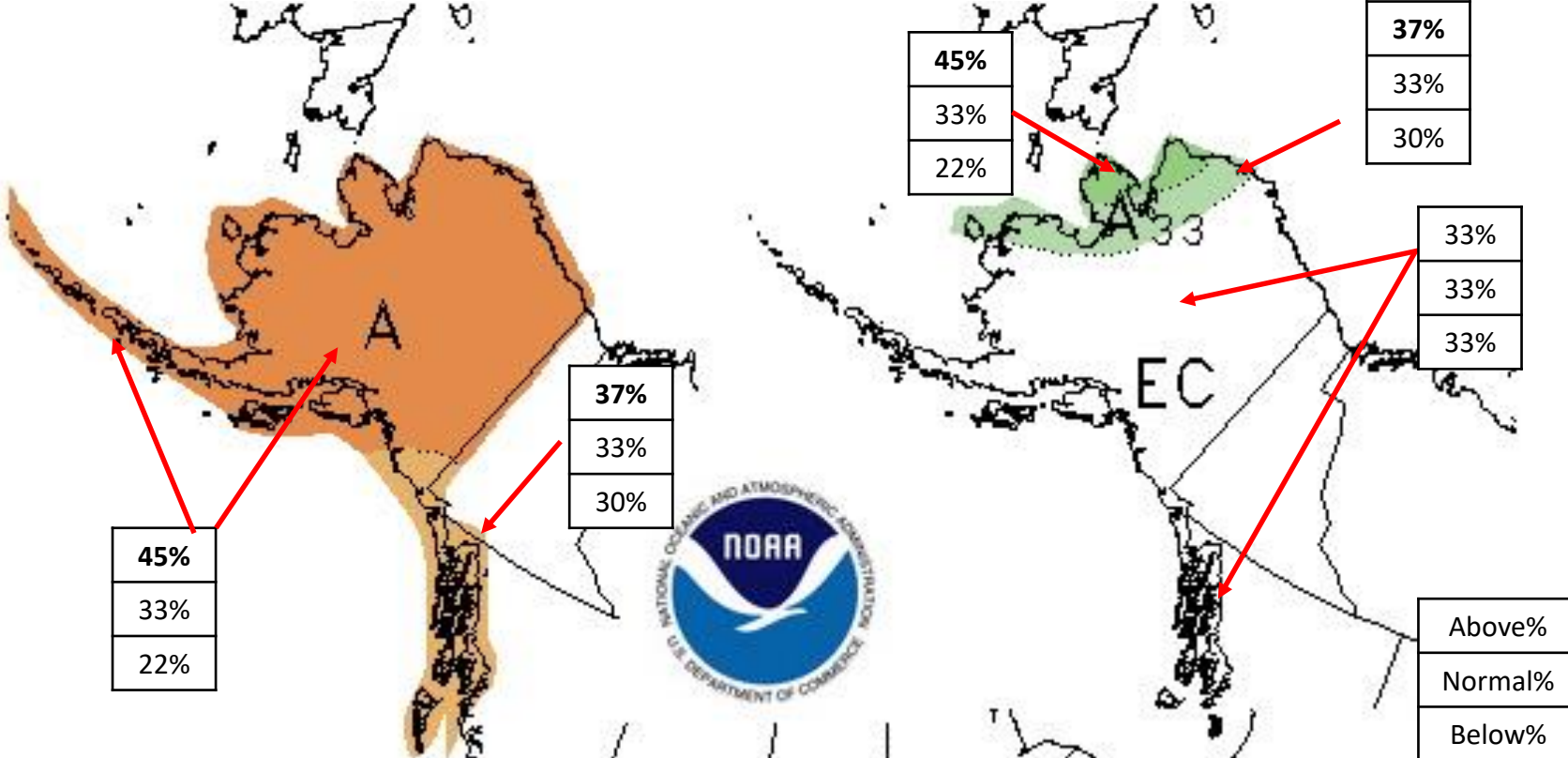


Daily Bering Sea Ice Extent

Bering Sea Daily Ice Extent 1978-79 to 2020-21



CPC July-September 2021 Outlook

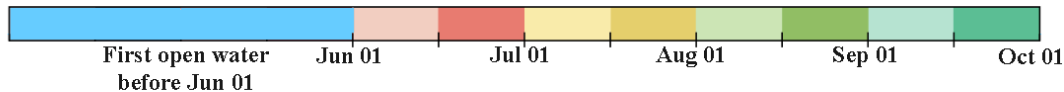
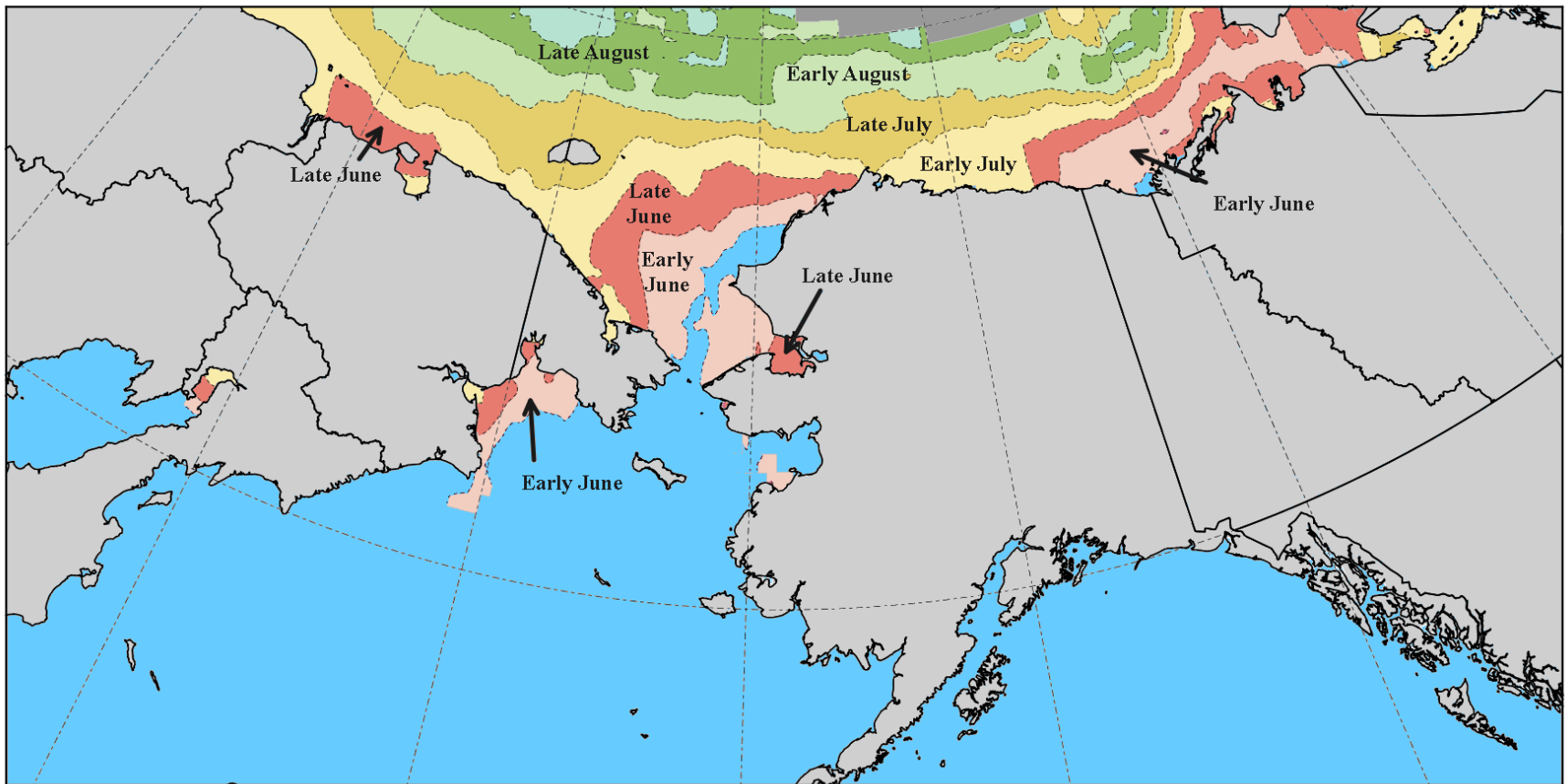


THREE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 0.5 MONTH LEAD
 VALID JAS 2021
 MADE 17 JUN 2021

THREE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
 0.5 MONTH LEAD
 VALID JAS 2021
 MADE 17 JUN 2021

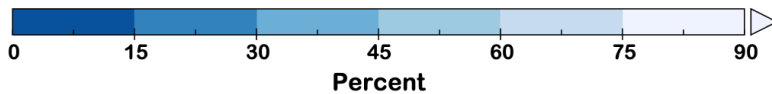
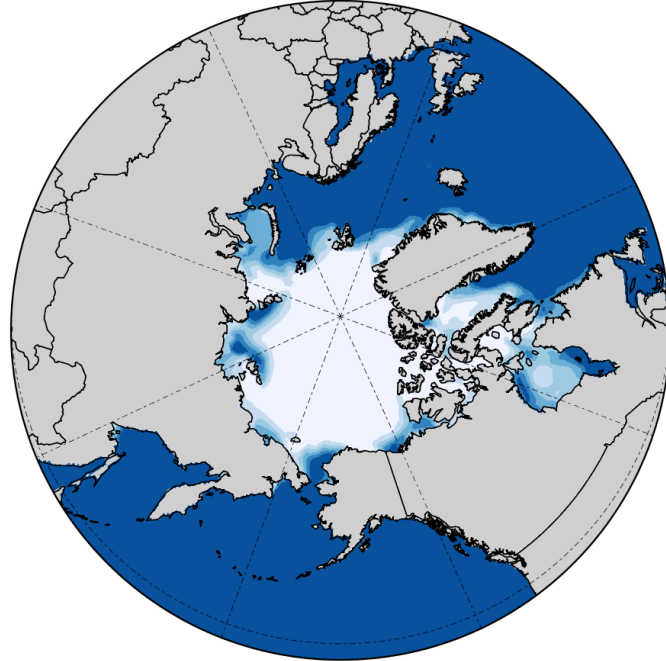
CPC Experimental Sea Ice Forecast

First Date with Sea Ice Concentration Less Than 15 Percent
Spring/Summer 2021

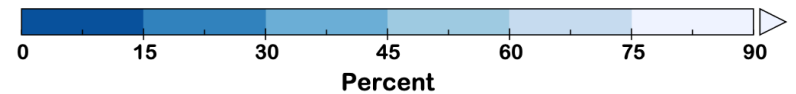
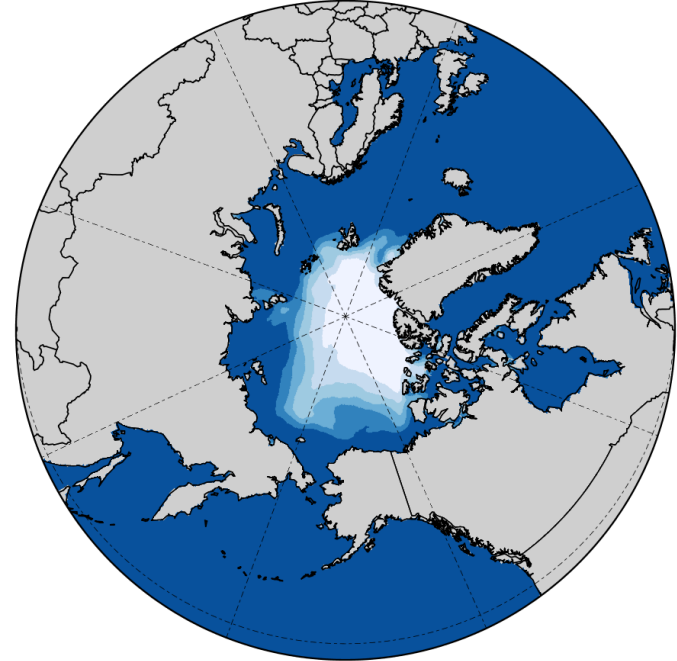


Summer 2021 Sea Ice Outlook

Average Sea Ice Concentration
June 2021



Average Sea Ice Concentration
August 2021



Data: NOAA/Climate Prediction Center Exp. Sea Ice Outlook





Basi'

**Questions, comments or your
observations?**

2021 . 06 . 10

©Clarence Irrigoo Jr.
Gambell, AK