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# Spring 2022 Alaska Weather & Climate Highlights



**Utqiagvik** Apr 9: last day this Spring with wind chill -40F or lower

**Nome** April 30: 53F, highest temperature in April since 1940

Manley Hot Springs May 7-8: severe ice jam flooding



**Denali NP** Snowpack meltout May 28, latest on record

**Copper River** May snowmelt caused high water and erosion, one home lost near Glennallen



**Sea Ice** reached St. George Island late March but collapsed in April



Kwethluk Wildfire 10,000 acres, largest April wildfire in at least 30 years

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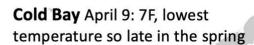
**Haines Customs** 

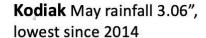
March 20-22: 17" snow, last big snow of the season

**Anchorage** second half of May: highest average temperature on record, 55.8F



**Sitka** April-May rainfall 4.85", lowest since 2014

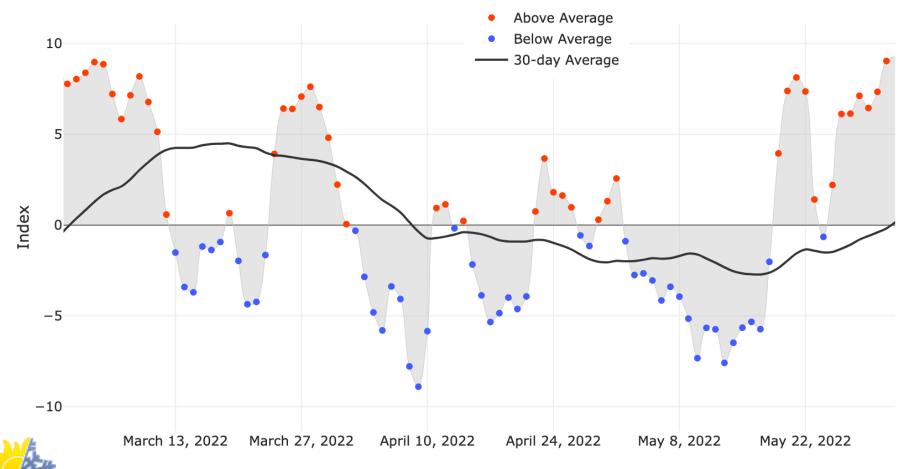




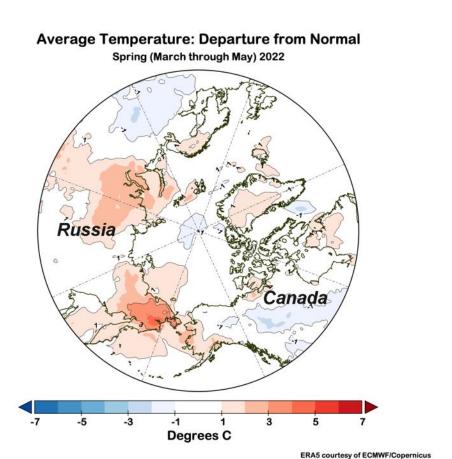


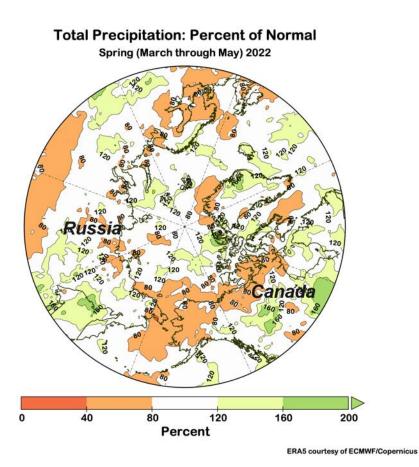
# **Alaska Daily Temperature Index**

Alaska Statewide Temperature Index March 1-May 31, 2022



### **Spring 2022 Arctic-wide**





Temperature Departures from Average

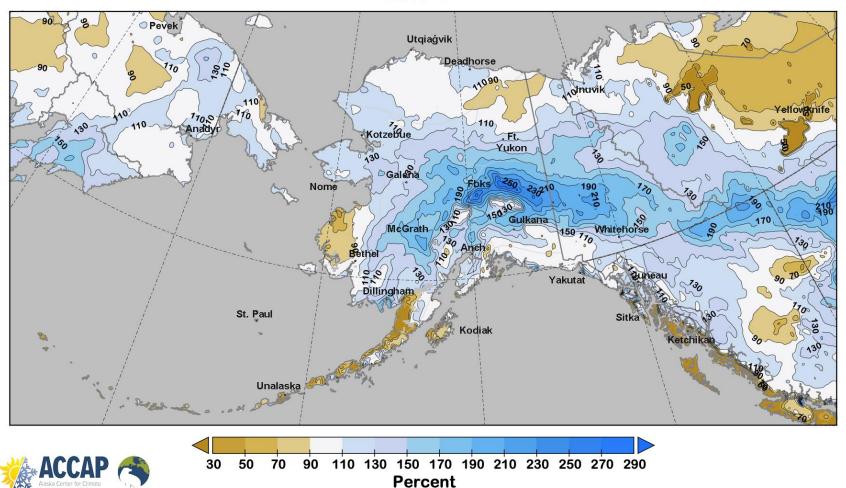
Precipitation Percent of Average



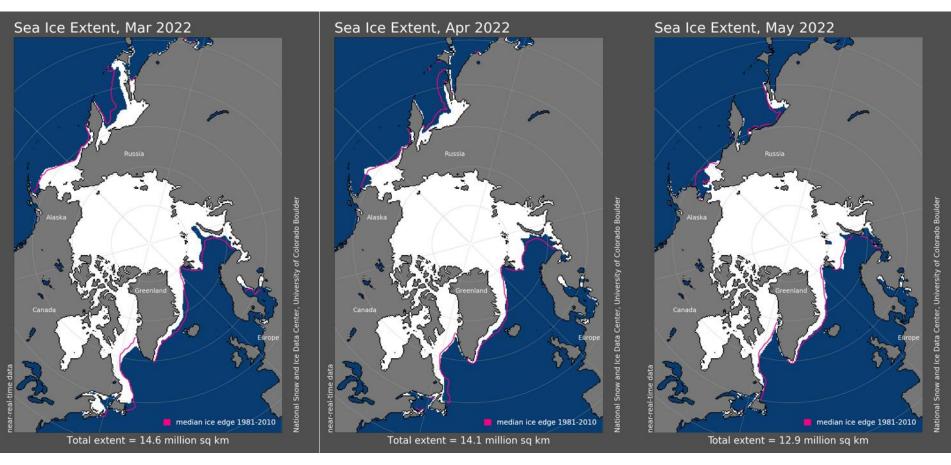
Data: ERA5 courtesy of EMCWF/Copernicus 1991-2020 Baseline

# Spring Snowpack

#### Snowpack: Snow Water Equivalent Percent of Median March 2022



# **Arctic Sea Ice Extent: Spring 2022**



9<sup>th</sup> lowest 11<sup>th</sup> lowest 14<sup>th</sup> lowest

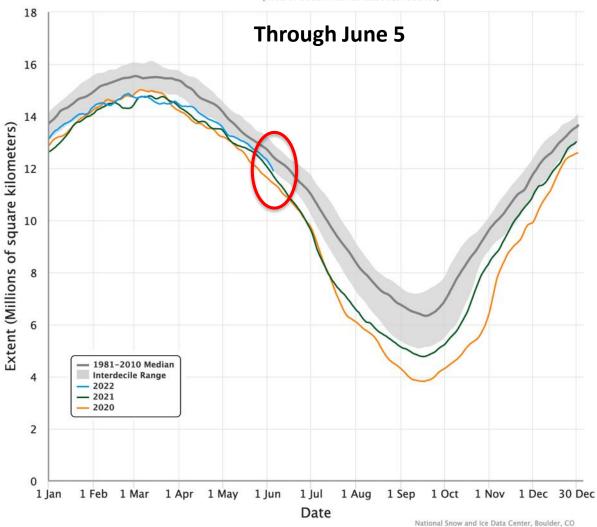




#### **Daily Arctic Sea Ice Extent**

#### Arctic Sea Ice Extent

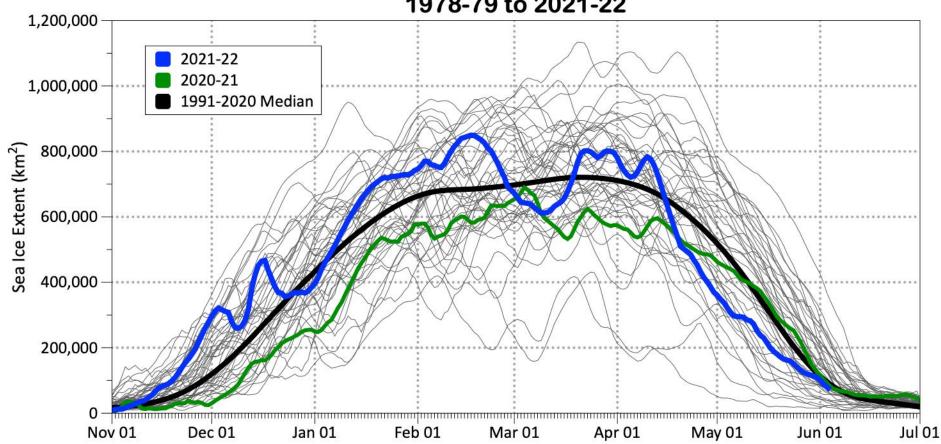
(Area of ocean with at least 15% sea ice)





## Bering Sea Ice Extent

Bering Sea Daily Ice Extent 1978-79 to 2021-22

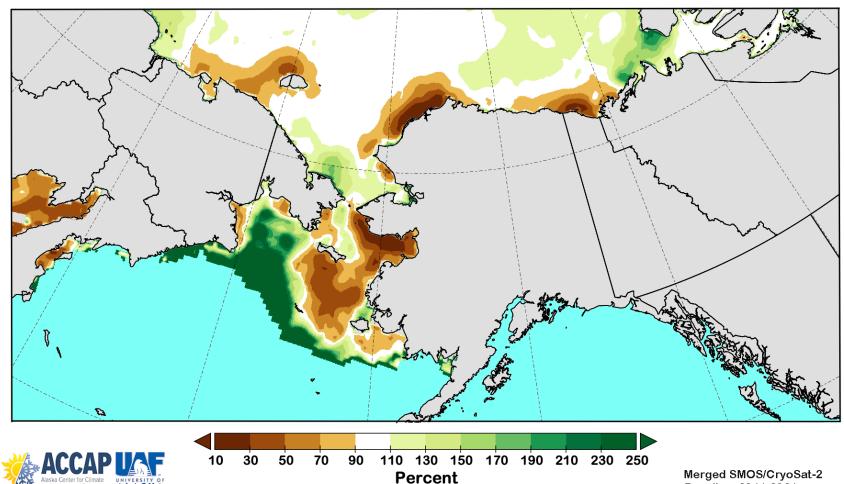




Data source: NSIDC Sea Ice Index, Version 3 Updated through June 04, 2022

#### End of March Sea Ice Thickness

Sea Ice Thickness: Percent of Median March 25-31, 2022

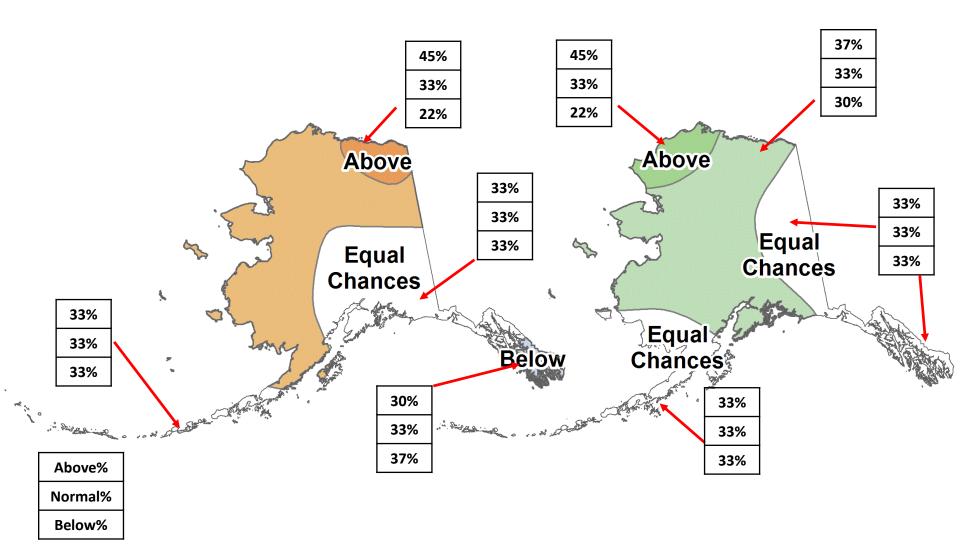




Baseline: 2011-2021

Data: Alfred Wegener Institute (AWI)

# **CPC June-August 2022 Outlook**



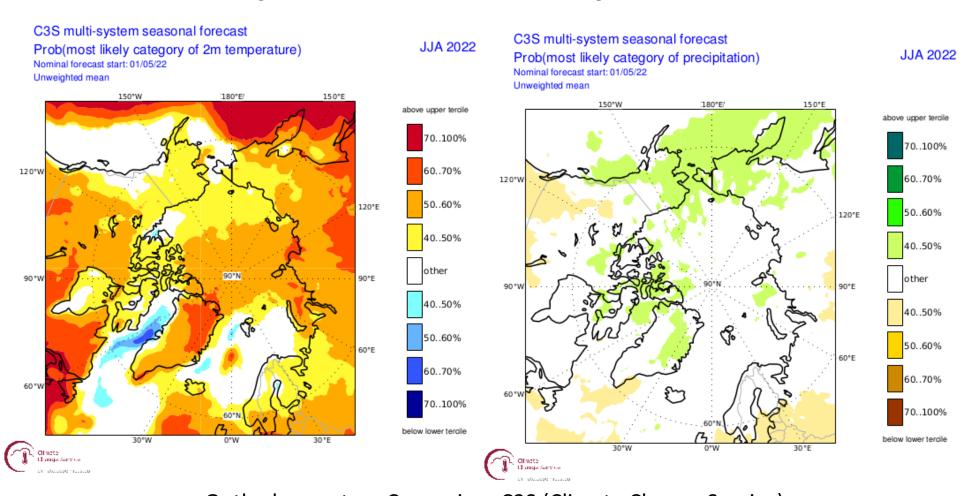






#### **Summer 2022**

#### **Arctic Temperature and Precipitation Outlook**

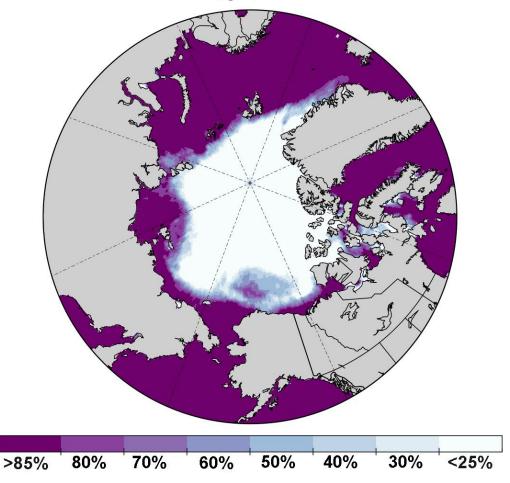




Outlooks courtesy Copernicus C3S (Climate Change Service)

#### Sea Ice Outlook: August Open Water







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

# Thanks very much



