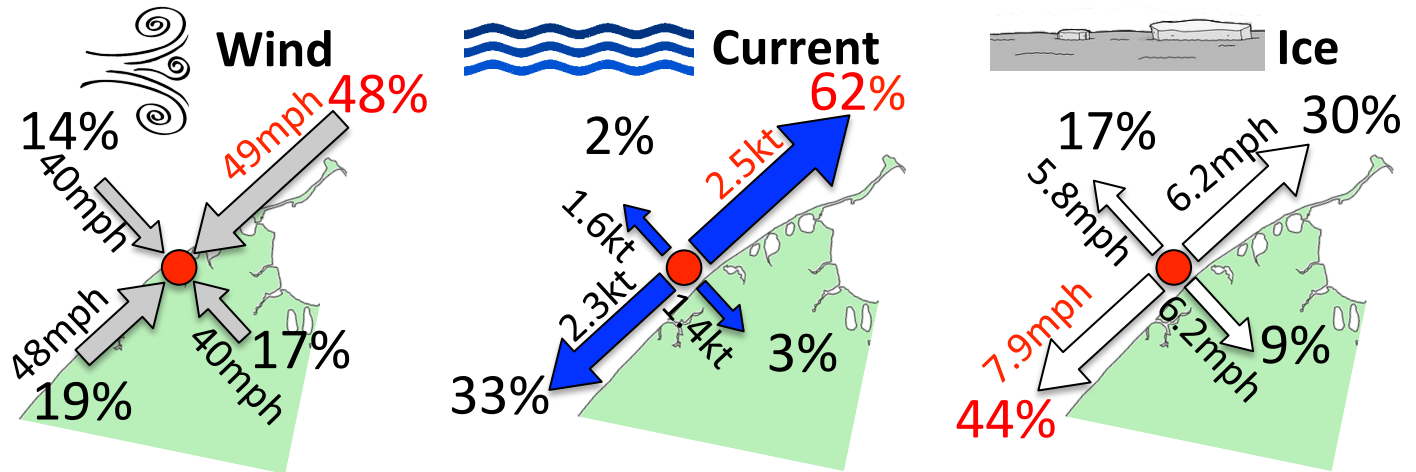
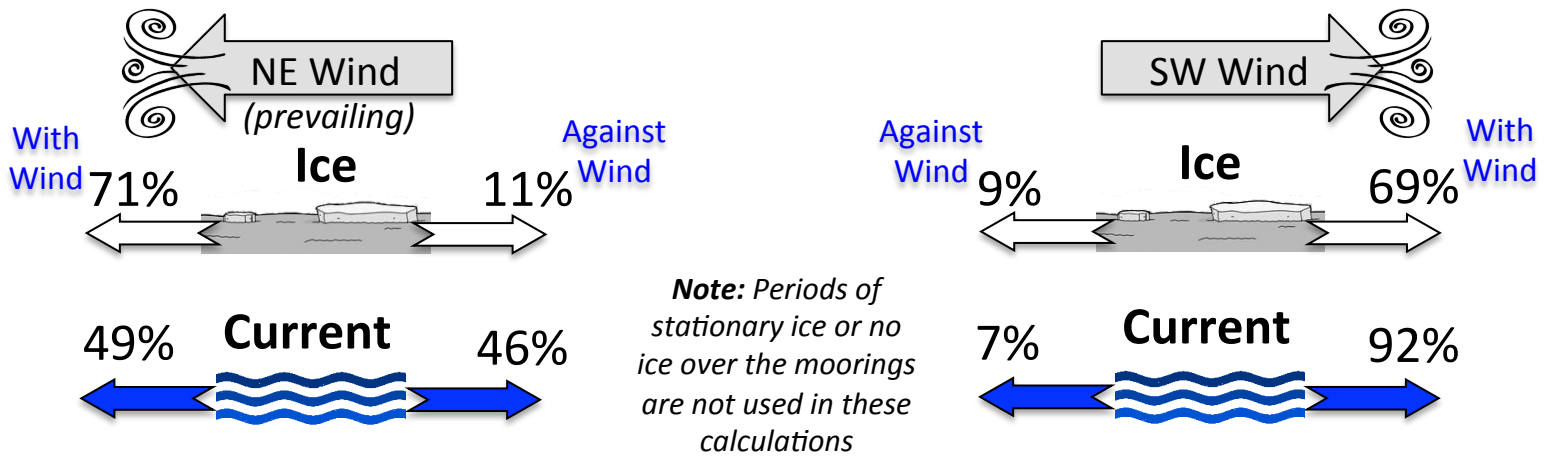


Characteristics of Winds, Currents, and Sea Ice Motion near Barrow, Alaska

The Sea Ice Group at the University of Alaska Fairbanks, in collaboration with Hokkaido University of Japan, has deployed instruments near the coast measuring ocean currents, sea ice motion, and ice thickness since 2009. These are some of the observations from October 2009 through July 2015. Wind data was collected at the Wiley Post-Will Rogers Memorial Airport and provided by NOAA's National Centers for Environmental Information: Center for Weather and Climate (CWC). Maximum speeds are written alongside each arrow.



- Key Points**
1. Prevailing wind is *from* the Northeast
 2. Prevailing nearshore current is *toward* the Northeast
 3. Onshore or offshore currents are rare
 4. Sea ice mostly follows the wind, but can oppose the wind under strong currents



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Special thanks go to: Harry Brower Jr. of the North Slope Borough Wildlife Department and Nagruk Harcharek from UIC Science.