**Current Analysis for April 26 – May 2, 2022 (updated May 5th)**
Sea ice concentration is defined as the percentage of each pixel that is covered by sea ice. A sea ice concentration of 100% means that the pixel is completely covered with sea ice, where as a concentration of 15% means only a small portion of the pixel is covered by sea ice, and when sea ice concentrations are below 15% the pixel is classified as ice free.

Following the 9th lowest sea ice March maximum extent on record, which began in 1979, the sea ice extent and concentration have begun to decline. The sea ice extent is currently lower than the 2012 (minimum September sea ice on record) and well below the 1981-2010 average extent. Lower sea ice concentrations are present in: the North Water Polynya in Baffin Bay, between the islands of Svalbard and Franz Josef Land in the Kara and Barents seas, and just off the north coast of Alaska in Chukchi and Beaufort seas, and also in the Bering Sea. Sea ice extents are much lower in the Sea of Okstosh, Bering Sea and Barents Sea compared to the 1981-2010 average extent. A consolidated ice pack is present over the majority of the Central Arctic Ocean.

Sea ice concentrations are much lower in the areas of DBO sites 1 and 2, with high sea ice concentrations present for the remaining DBO sites. Sea ice concentration trends for each of the DBO boxes are continuing to decrease between roughly 11.5 and 2.5% per decade depending on the study area.

**Current Analysis for March 31 - April 6, 2022 (updated April 8th)**
Sea ice concentration is defined as the percentage of each pixel that is covered by sea ice. A sea ice concentration of 100% means that the pixel is completely covered with sea ice, where as a concentration of 15% means only s small portion of the pixel is covered by sea ice. Following the 9th lowest sea ice March maximum extent on record, which began in 1979, the sea ice extent and concentration has remained steady. Lower sea ice concentrations are present in: the North Water Polynya in Baffin Bay, between the islands of Svalbard and Franz Josef Land, just off the north coast of Alaska in Chukchi Sea, and also in the Bering Sea. A consolidated ice pack is present over the majority of the Central Arctic Ocean. Sea ice concentrations are lower in the areas of DBO sites 1, 4 and 5, with high sea ice concentrations present for the remaining DBO sites. Sea ice concentration trends for each of the DBO boxes are continuing to decrease between roughly 11.5 and 2.5% per decade depending on the study area.