

2012 PAN-ARCTIC OUTLOOK

June Report based on May Data

Robert Grumbine, Xingren Wu, and Wanqiu Wang
NOAA/NCEP

I continued the same technique as last year, an ensemble of statistical estimators based on logistic curve growth of open water. The past three years, the method was consistently below the observation. So this year, I attempted a bias correction. To do this, I applied the method to a forecast estimate for each of the past ten years, using all data to the year before. Because 2007 was so far below the others, with respect to the regression curve, the bias correction is small -- only 0.07 million km^2 . The final estimate, then, is 4.39 with standard error 0.5 million km^2 .