

# Facilities Enhancement for IPY at Barrow

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Phase 1 of the Barrow Arctic Research Center (BARC) was dedicated on June 1<sup>st</sup>, 2007, shortly after the beginning of the International Polar Year. It covers 18,000 sq ft., and includes 8 research labs, a necropsy lab for animal studies, freezers for biological samples, a state-of-the-art data system, a planned Internet II connection, meeting spaces and offices. There is a platform on the roof for instrumentation, and there will be a communications tower to provide WIFI connections to remote instrumentation located on the adjacent Barrow Environmental Observatory (BEO). The BEO, which consists of 11 sq miles of tundra and coastline set aside for environmental and ecological research has also seen recent enhancements. The nearby NOAA Global Monitoring Division Barrow Station and the DOE ARM (Atmospheric Radiation Measurement) Climate Research Facility provide supporting data sets for BARC users. Construction of the BARC is being funded through NOAA. The National Science Foundation is providing the information technology infrastructure.

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Sen. Stevens and Rep. Young cutting the ribbon



The archeology of the old village of Nuvuk located at Pt. Barrow is among the subjects studied at the BARC



Phase 1 of BARC

Location of the BARC on the former Naval Arctic Research Laboratory campus, now operated by UIC, a corporation owned by the native people of Barrow; Before construction started, the BARC was called the Barrow Global Climate Change Research Facility (BGCCRF)

The Future: additional phases of the BARC slated to be built over the next several years