

News Archive

News by Research Area

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A female polar bear walks along the shore of Canada's Hudson Bay, waiting for ice to form. Credit and Larger Version

December 15, 2010

Polar bears were added to the threatened species list nearly three years ago when their icy habitat showed steady, precipitous decline because of a warming climate.

But it appears the Arctic icons aren't necessarily doomed after all, according to results of a study published in this week's issue of the journal Nature.

Scientists from several institutions, including the U.S. Geological Survey (USGS), the National Science Foundation (NSF) and the University of Washington, have found that if humans reduce greenhouse gas emissions significantly in the next decade or two, enough Arctic ice is likely to remain intact during late summer and early autumn for polar bears to survive.

"What we projected in 2007 was based solely on the businessas-usual greenhouse gas scenario," said Steven Amstrup, an emeritus researcher at the USGS and senior scientist at the Montana-based organization Polar Bears International. "That was a pretty dire outlook, but it didn't consider the possibility of greenhouse gas mitigation."

Amstrup is the lead author of this week's Nature paper. Co-authors are Eric DeWeaver of NSF, David Douglas and George Durner of the USGS Alaska Science Center, Bruce Marcot



Arctic sea-ice continues

to melt. Year by year, its extent is shrinking.

Credit and Larger Version

Two male polar bears spar near Hudson Bay. The bears need ice there to reach their seal prey. Credit and Larger Version



Arctic "pancake" ice consists of round pieces ranging from inches to feet in diameter. Credit and Larger Version



