

RETHINKING "A GLACIAL PACE"

THE RETREAT OF THE JAKOBSHAVN GLACIER

The Jakobshavn Glacier in Western Greenland is one of the fastest receding glaciers in the world, retreating at approximately a half a mile every year, and more than 25 miles since 1850. While this glacier is only a small part of the Greenlandic Ice Sheet, this melting is a consistent phenomenon across the country, causing a decrease in ice density, and simultaneously, an increase in sea levels. The Greenland Ice Sheet has lost over 500 gigatonnes of ice since 2002, contributing on average .5mm to the 3.5mm per year rise in sea levels. This map depicts the staggering retreat of the Jakobshavn glacier on a bi-yearly basis.

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GLACIAL AREAS WITH HIGH MELT RATES



Areas with high melt rates are defined here as areas of the ice sheet that thin by more than 1 foot per year.

Ice Loss of the Greenland Ice Sheet

