

Center for Climate and Health E-News
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Ben Jones and his colleagues at USGS's [Alaska Science Center](#) are using time lapse photography to capture dramatic imagery of coastal erosion along Alaska's Arctic coastline:

In an effort to gain a better understanding of the processes driving reported increases in coastal erosion along the Beaufort Sea coast of Alaska we established an erosion monitoring station that consisted of a time-lapse camera and other instrumentation in the nearshore environment. This video clip (attached) shows one photo a day from 11 July 2009 to 22 August 2009. At the beginning of the time-series, blocks that had collapsed during 2008 are seen abutting the bluff. These blocks are completely removed by the 17 July 2009 and the sea begins to cut another erosional niche that will ultimately lead to the block collapse occurring on 03 August 2009. This large block (measuring 6m x 10m x 2m) is then degraded within five days. Removal of this block allows for the development of another niche and block collapse episode. An increase in the number of these events per year is likely responsible for the increase in land loss along this Arctic coastline.

For more information see:

[Increase in the Rate and Uniformity of Coastline Erosion in Arctic Alaska.](#)

The location of the video and other recent climate change events are posted on our web map at:

<http://www.anthc.org/chs/ces/climate/index.cfm>

Addendum: Here is some more erosion information from Ben Jones at USGS. This [paper](#) was just published in Polar Geography and it discusses the findings from the erosion research performed at Cape Halkett.

Regards - Mike

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