

Climate and Health E-News

Raising Awareness about Climate Change and Public Health in the Circumpolar North

No. 137, November 7, 2012

Circumpolar Climate Events *Google Map* - Click [here](#) for this month's map or visit our [archive](#).

Local Environmental Observer (LEO) *Google Map* - Click [here](#) for this month's map or visit our [archive](#).

Warming causes greatest reduction in the size of aquatic species November 5, 2012. Research published in *Proceedings of the National Academy of Sciences (PNAS)* finds that the body size of marine and freshwater species are affected more by warming than by terrestrial species. The likely reason is the lower availability of oxygen in water than in air. Warming increases the need for oxygen by organisms on land and in water, however aquatic species have a much harder job meeting this increased demand. [ScienceDaily](#)

Arctic snow cover is fading fast October 31, 2012. June snow cover in the Northern Hemisphere has dropped by almost 18% per decade during the past 30 years, according to a study published in *Geophysical Research Letters*. The snow-cover projections generated by the climate models being used in the Fifth Assessment Report of the Intergovernmental Panel on Climate Change underestimate the extent of spring snowmelt in the Northern Hemisphere. [Nature](#)

Estimates of rate of future sea-level rise may be too low November 1, 2012. Sea levels are rising faster than expected from global warming, and geologists now have a good idea why. The last official IPCC report in 2007 projected a global sea level rise between 0.2 and 0.5 meters by the year 2100. But current sea-level rise measurements meet or exceed the high end of that range and suggest a rise of one meter or more by the end of the century. [ScienceDaily](#)

Video of the Week: Newtok – Losing the battle. The series *Newtok, Village on the Edge* aired last week on KTUU (NBC - channel 2 in Anchorage). This segment explores some of the imminent threats to the community's life and safety. [KTUU](#)

Climate and Health E-News is received around the circumpolar north by people who are interested in climate change impacts and public health. For back issues click [here](#). To subscribe or unsubscribe, please click [here](#).

Regards – Mike

Michael Brubaker, Director
[Center for Climate and Health](#)
Alaska Native Tribal Health Consortium
907-729-2464

Safe, Healthy, Sustainable Communities