

# TOOLIK FIELD STATION

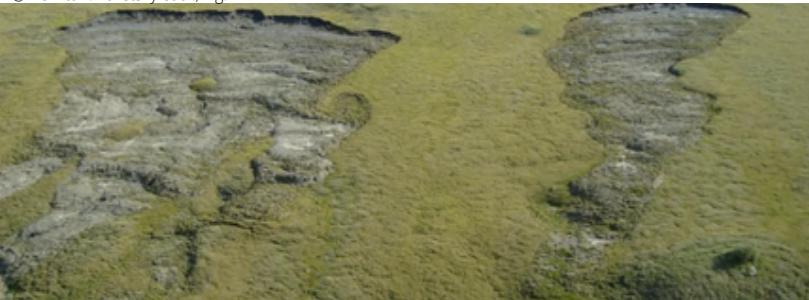
Quarterly Newsletter  
July 2020, Edition 2

## When Permafrost Collapses

Permafrost collapse, or thermokarst, is one of the most dramatic signs of climate change in the Arctic. However, it is incredibly difficult to model this nonlinear process. A group of researchers from the Permafrost Carbon Network have recently published an estimate of how much thermokarst might influence the carbon balance of the permafrost zone. To learn more visit:

<https://www.nature.com/articles/s41561-019-0526-0>

@Merritt R. Turetsky et al., Fig. 1



## Toolik's Statement of Support

The Toolik Field Station management and staff stand with all those who are affected by racial and social discrimination. We hear you. We are listening and reflecting to learn more about how we, as a community, can better support Alaska Native people, people of color, and all those who are affected by injustices. We are committed to creating a more open, inclusive, and diverse community within Toolik Field Station. To learn more visit: <https://toolik.alaska.edu/>

## Fairbanks Toolik Staff move out of Trailers

After 10 years in the trailers behind Reichardt, Fairbanks based Toolik Staff have moved into the 1st floor of Irving 2. Fairbanks based Toolik Staff look forward to greeting users in our new location with our limited re-opening July 15th. To learn more visit:

<https://toolik.alaska.edu/>

@Victoria McDermott



## Winter Wolverine Project

Researchers with the Wildlife Conservation Society are investigating wolverine ecology on the Arctic tundra, based at Toolik. Using aerial surveys for snow tracks, as well as motion activated cameras and GPS collars, the project aims to better understand wolverine food habits, habitat selection, distribution, and how climate-induced changes in snowpack are affecting the species' food caches and reproductive dens. To learn more visit: <https://www.smithsonianmag.com/science-nature/wolverines-arctic-animal-love-hate-180974160/>

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Live stream from TFS at  
[toolik.alaska.edu/edc](https://toolik.alaska.edu/edc)

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