

The impact of flooding on permafrost

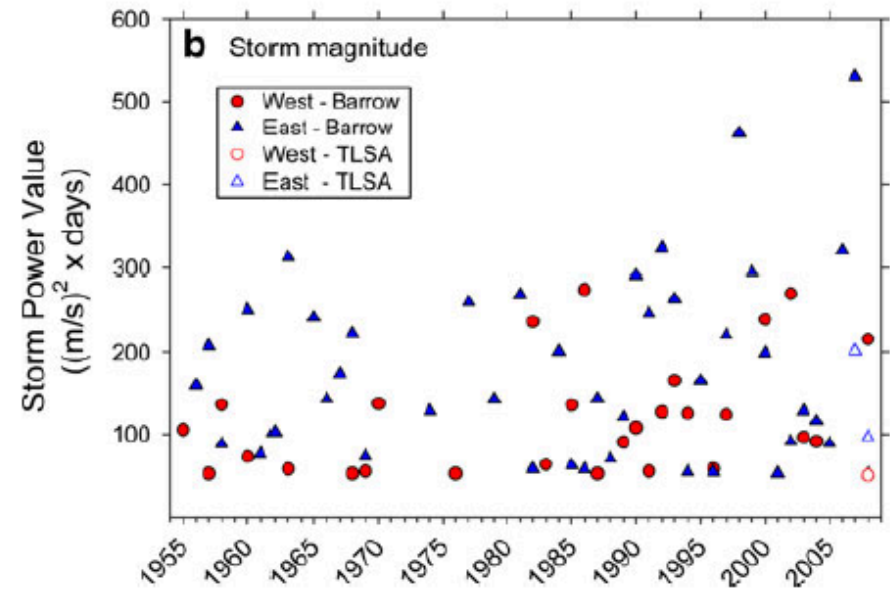
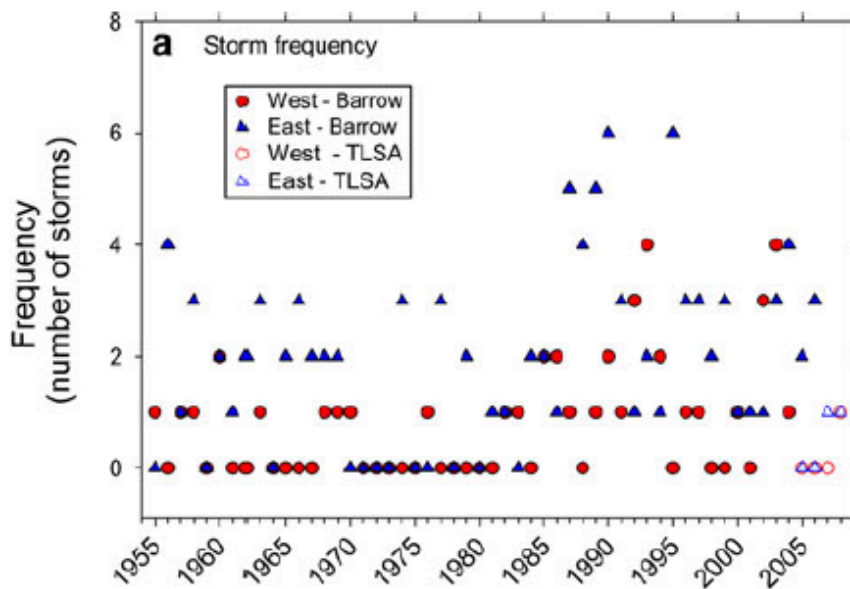
Elchin Jafarov, Anastasia Piliouras, Joel Rowland

1. Earth and Environmental Sciences, Los Alamos National Laboratory, Los Alamos, NM



Operated by Los Alamos National Security, LLC for the U.S. Department of Energy's NNSA

Flood frequency and magnitude at North Slope, Alaska



Arp, C.D., Jones, B.M., Schmutz, J.A. et al. Two mechanisms of aquatic and terrestrial habitat change along an Alaskan Arctic coastline. *Polar Biol* 33, 1629–1640 (2010). <https://doi.org/10.1007/s00300-010-0800-5>

Modeling flood with Amanzi-ATS

