

AON Toolik May 2022

Finn Mackinaw

The May 2022 trip to Imnaviat creek was my first time traveling to the creek to assist in AON research. The majority of my focus was on conducting streamflow measurements at the Imnaviat weir, but I also helped to conduct snow surveys at the Upper Kuparuk and perform site maintenance in the surrounding area. On May 17, I departed with Emily Youcha for Toolik Field Station, arriving late that evening. Our first project was to check on the weir site and attempt to clear the downstream culvert.



Left: The progress of clearing the culvert on the first day, with me for scale. Right: The progress on the second day. 5/18 & 5/19, Emily Youcha, UAF WERC

After being thwarted by ice, we spent the next several days conducting maintenance on remote sites, and conducting snow surveys at the Upper Kuparuk. After a few more days, Emily returned to Fairbanks, and I remained to begin gauging once flow began.

Next Page: Emily prepares to hike out part of a disassembled remote site in the Roche Moutannee area. 5/20, Finn Mackinaw, UAF undergraduate student



The flow began soon after, which with the help of Toolik Environmental Data Center staff, I was gauging twice a day. I also set up a trail camera facing the weir, in order to collect data on the water level throughout the summer. I left Toolik on the 30th of May, with Toolik EDC staff finishing the gauging process through breakup.



Standing in Imnaviat Creek gauging one evening. 5/27, Mayra Meléndez González, Toolik EDC Technician