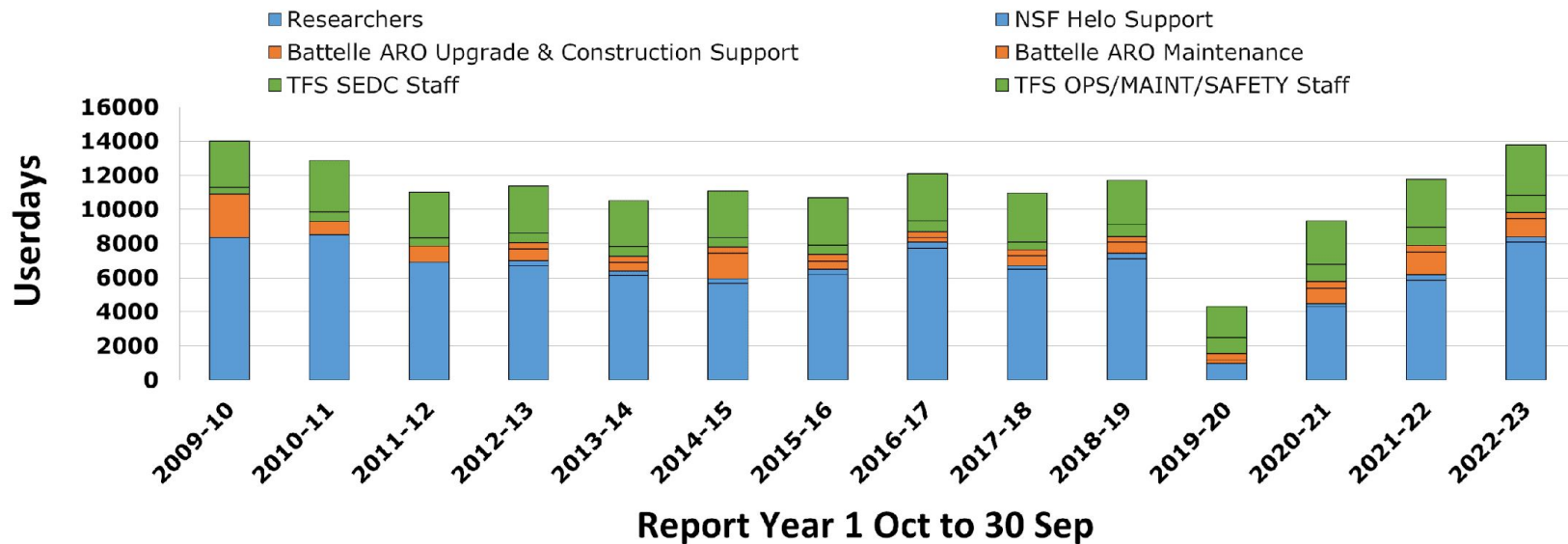




Toolik Field Station Operations Updates from 2022-23

Userday Totals



Operations and Population



- Population at TFS saw an increase to numbers not seen since before the COVID-19 pandemic.
- Operations staff worked diligently to manage housing and provide single-occupancy housing whenever possible, keep projects grouped together, and facilitate COVID-19 mitigation protocols.
- Kitchen staff planned meals to accommodate 18 different food allergies throughout the season.
 - This typically resulted in the staff preparing five versions of every meal served to provide adequate service.
- Station managers facilitated orientation for new arrivals and reception of northbound vehicles five nights per week on average throughout the summer 2023 season.



Userday Categories Percent Change 2021-22 vs 2022-23



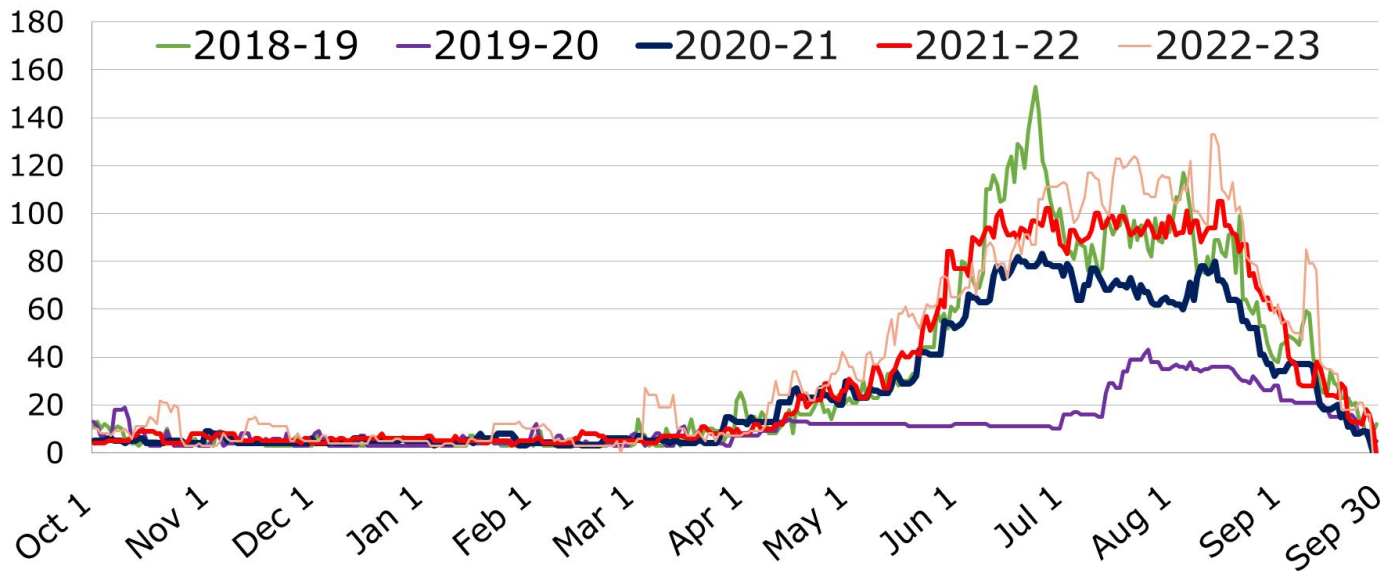
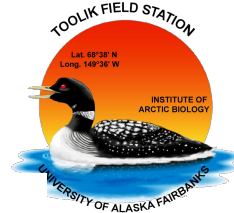
User Day Categories % Change

	2021-22	2022-23	CHANGE	PERCENT
TFS Ops Staff	2828	2958	130	5%
TFS SEDC Staff	1051	922	-129	-12%
Battelle ARO Maintenance	400	383	-17	-4%
Battelle ARO Construction	1346	1055	-291	-22%
NSF Helicopter	296	313	17	6%
Scientists	5851	8083	2232	38%
TOTAL	11772	13714	1942	16%

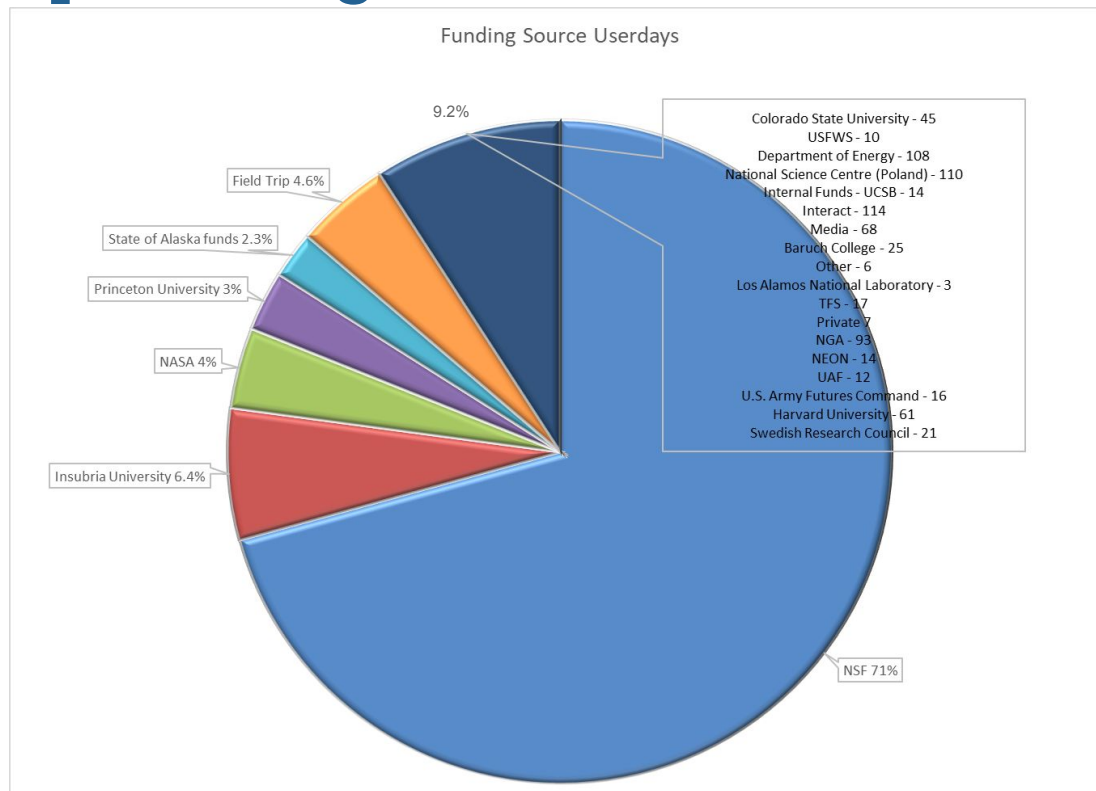


Resident Population 2018-2023

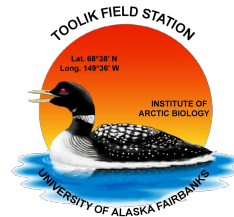
TOOLIK FIELD STATION
1 OCT TO 30 SEP
FIELD SEASONS 2017-18 TO 2021-22



Userdays by Funding Source



New Projects in 2024



- Investigating the spatial heterogeneity of carbon stabilization in Arctic lake sediments - Chelsea Smith - National Geographic Society
- Extreme Planet Earth (media) - Cory T. Williams, Rory Dormer
- Dynamics of interconnected surface-subsurface flow and reactive transport processes across the hillslope-riparian zone-river corridor continuum of cold, high-latitude watersheds - Bayani Cardenas, Rose Cory, George Kling, Neelarun Mukherjee, Bethany Neilson - Department of Energy



Logistics Overview



- The Logistics Department worked hard to ensure the 2023 season was a success for staff and users, keeping trucks on the road and supplies moving north and south.
- Maintained freight hauling, procuring supplies, scheduling and maintaining vehicles, and supporting COVID mitigation measures.
- Managed the truck schedules to ensure users, staff, and samples and cargo arrived at the right place and on time.
- Shipped many samples and scientific equipment with varying degrees of special handling requirements



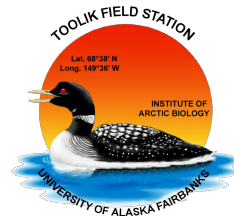
Maintenance Equipment & Fabrication



- The Maintenance team was hard at work this season keeping facilities functioning and vehicles on the road.
 - Though an aging fleet, the staff did everything from basic fluid changes to welding body panels and replacing suspensions to ensure the Toolik truck fleet could support researchers.
- The new milling machine in the Maintenance department has been a welcomed addition to their capabilities, allowing them to produce new tools and instruments for projects on site at the station.
- TFS staff worked closely in collaboration with Polar Field Services and Battelle Arctic Research Operations over two deployments to complete the new water intake line in the lake.
 - Maintenance staff continued to work tirelessly to maintain and monitor the failing well which has long been the primary drinking water source for Toolik.



Building Community



- Three user forums throughout the summer, attended by residents on site and virtually as well.
- Three in-station and three virtual discussions on diversity, equity, and inclusion.
- Weekly Talking Shop seminars held in the community center.
- Various social activities and events organized by staff and researchers over the season.

