

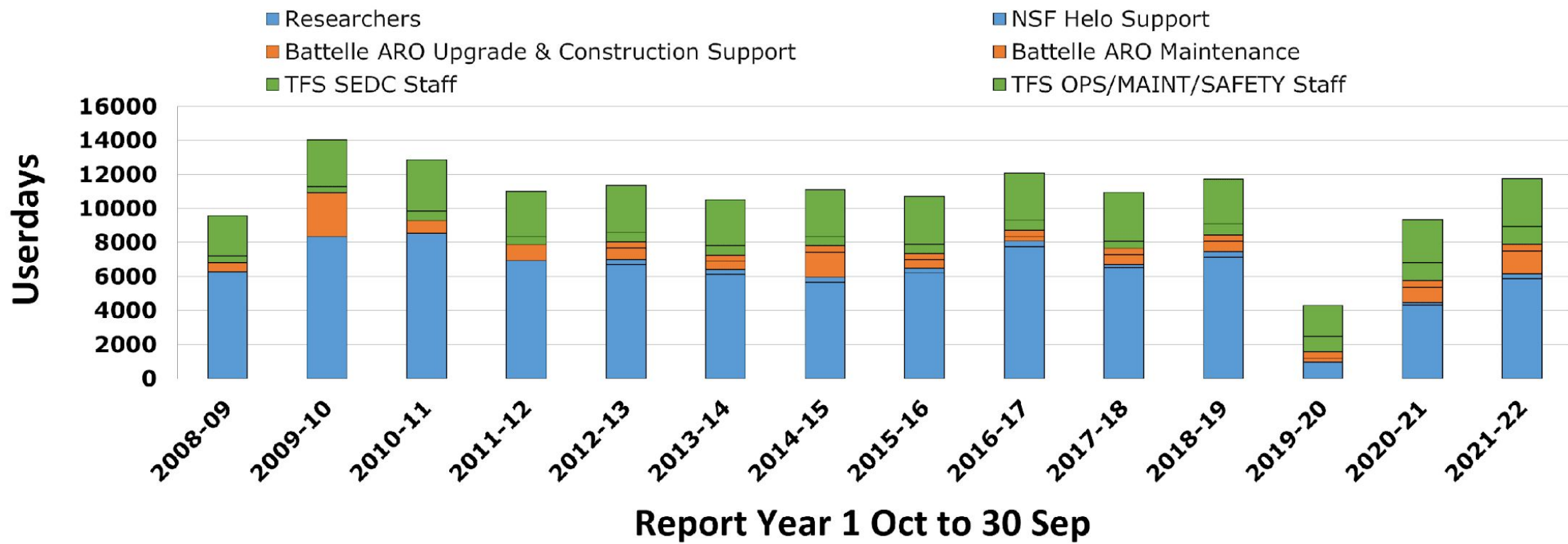
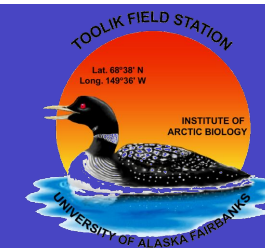
TOOLIK FIELD STATION

2022 SEASON OVERVIEW

MIKE REYNOLDS, SCOTT FILIPPONE



USERDAYS TOTALS



USERDAY CATEGORIES

PERCENT CHANGE 2020-2021 VS. 2021-2022



USERDAY CATEGORIES % CHANGE

	2020-21	2021-22	CHANGE	PERCENT
TFS Ops Staff	2544	2828	284	11%
TFS SEDC Staff	1013	1051	38	4%
Battelle ARO Maintenance	411	400	-11	-3%
Battelle ARO Construction	904	1346	442	49%
NSF Helicopter	140	296	156	111%
Scientists	4324	5851	1527	35%
TOTAL	9336	11772	2436	26%

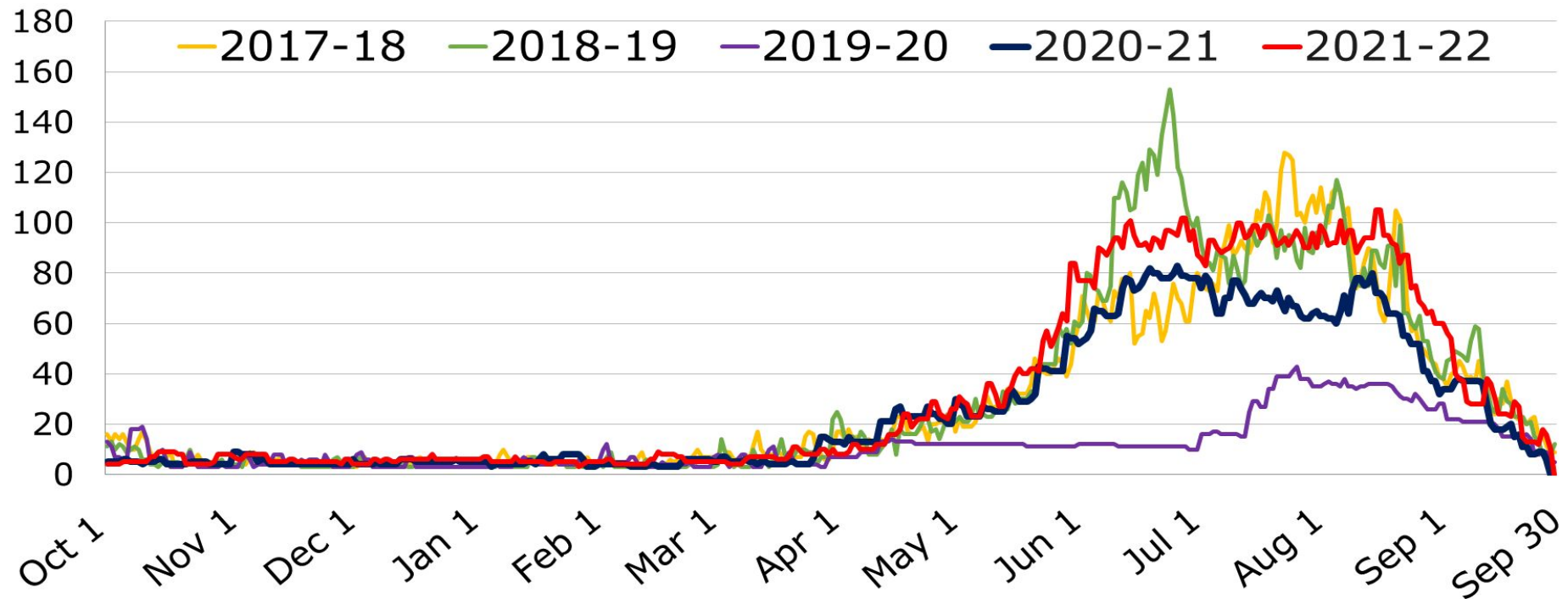
NOTES

- TFS operations staff
Staffing for Operations returned to normal levels
- SEDC
Additional staff hired to support Remote Access
- NSF Contractors
2 construction deployments over the 2022 season.
- Helo
2 helicopters during the 2022 season.

RESIDENT POPULATION 2017-2022

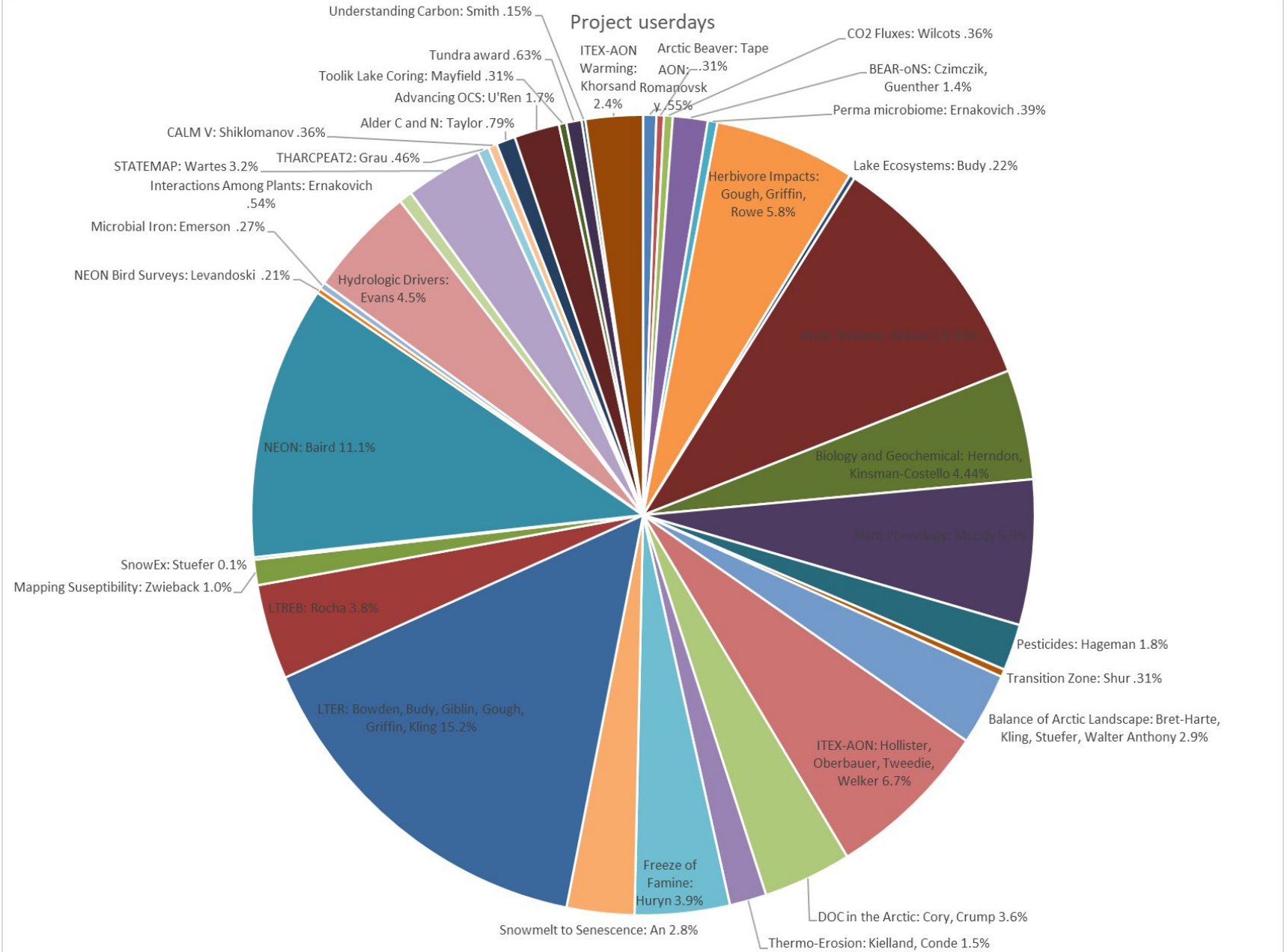


TOOLIK FIELD STATION 1 OCT TO 30 SEP FIELD SEASONS 2017-18 TO 2021-22



SCIENCE PROJECTS 2022

- A total of 291 users visited Toolik over the season.
- Total of 5,851 userdays towards research during the 2021-2022 field season.



NEW PROJECTS IN 2022



- NSF projects:
 - Arctic Beaver Observation Network – Ken Tape
 - Freeze or Famine: The Ecology of Arctic Springs – Alexander Huryn, Carla Atkinson
 - Hydrology of Water Tracks and Gullies – Sarah Evans, Clara Crew, Sarah Godsey, Ben Crosby
 - Permafrost Grown – Melissa Jones Ward
 - Post-thaw Microbiomes – Jessica Ernakovich
 - Biogenic Emissions and Aerosol response on the North Slope – Alex Guenther, Claudia Czimczik, Rebecca Sheesley
 - Freeze-thaw Effect on Biochemistry and Nutrient Cycling in Arctic Soils – Erin Rooney
- Harvard University – Alder C and N – Calvin Heslop, Benton Taylor
- Colorado State – Arctic Ground Squirrel Monitoring – Cory T. Williams
- Swedish Research Council – Biochemistry of Phosphorus in Arctic Tundra – Reiner Giesler

STAFF CHANGES AND UPDATES



New hires:

- New Station Supervisor: Mike Reynolds
- New Logistics Coordinator: Kara Kornhauser
- New Fiscal Professional: Adam Chisom
- New Fiscal Assistant: Haley Tyler
- New Full Time MEF Technician: Kevin Williams

Changes:

- Pete Reynoldson took another position within UAF
- Elisa Buttram: Logistics Expeditor

Active recruitments:

- Alternate MEF Lead
- Sous Chef
- Production Cooks
- New GIS/Remote Sensing Technician

YEAR 3 OF COVID...



- As in 2021, the station remained open year round with COVID mitigations in place.
- A 10 day quarantine with negative COVID test required until September 13th.
- Kitchen was fully staffed, as in years previous to COVID.
- Remote Access support provided
- 3 User Forums held throughout the summer
- Population peaked at 105 (vs 83 in 2021) and stayed between 90-100 for most of July and August
- Construction in full swing with the installation of the new shower facility and waste water holding tank among other projects.

LOGISTICS OVERVIEW



- The Logistics Department worked to ensure the season was a success through several staff changes.
- Maintained freight hauling, procuring supplies, scheduling and maintaining vehicles, and supporting COVID mitigation measures:
 - Contact- free testing assistance and truck drop-offs/orientations.
- Managed the truck schedules to ensure users, staff, and samples and cargo arrived at the right place and on time.

MAINTENANCE/FABRICATION HIGHLIGHTS



- Seasonal Staff:
 - Duncan Cameron supported Spring 2022
 - Matt Anfinson supported the Summer 2022 season
- Spent 18.25 hrs assisting Battelle construction crew.
- Spent 112.25 hrs on maintenance of NEON generators.
- Projects
 - Duncan built and installed custom egress window in the sauna.
 - Old tire shop remodel was completed and composter installed, however composter was damaged in transport and inoperable. Replacement model due March 2023.
 - Tower waste tank repair/mitigation (lab side/dining hall towers) until they were replaced. Thank you Kevin and Matt.
 - Matt conducted extensive truck and snowmachine maintenance all season.
 - Combined effort of MEF Staff, PFS, Safety Officer Scott Filippone and Station Managers to keep water supply to camp operational during peak season.



BUILDING COMMUNITY

- In-person and virtual Users Forums (3 held over the season)
- 3 trivia nights!
- Inclusivity/diversity meetings
- Weekly science talks held in the community center
- Multiple events organized by community members for the station

THANK YOU!

