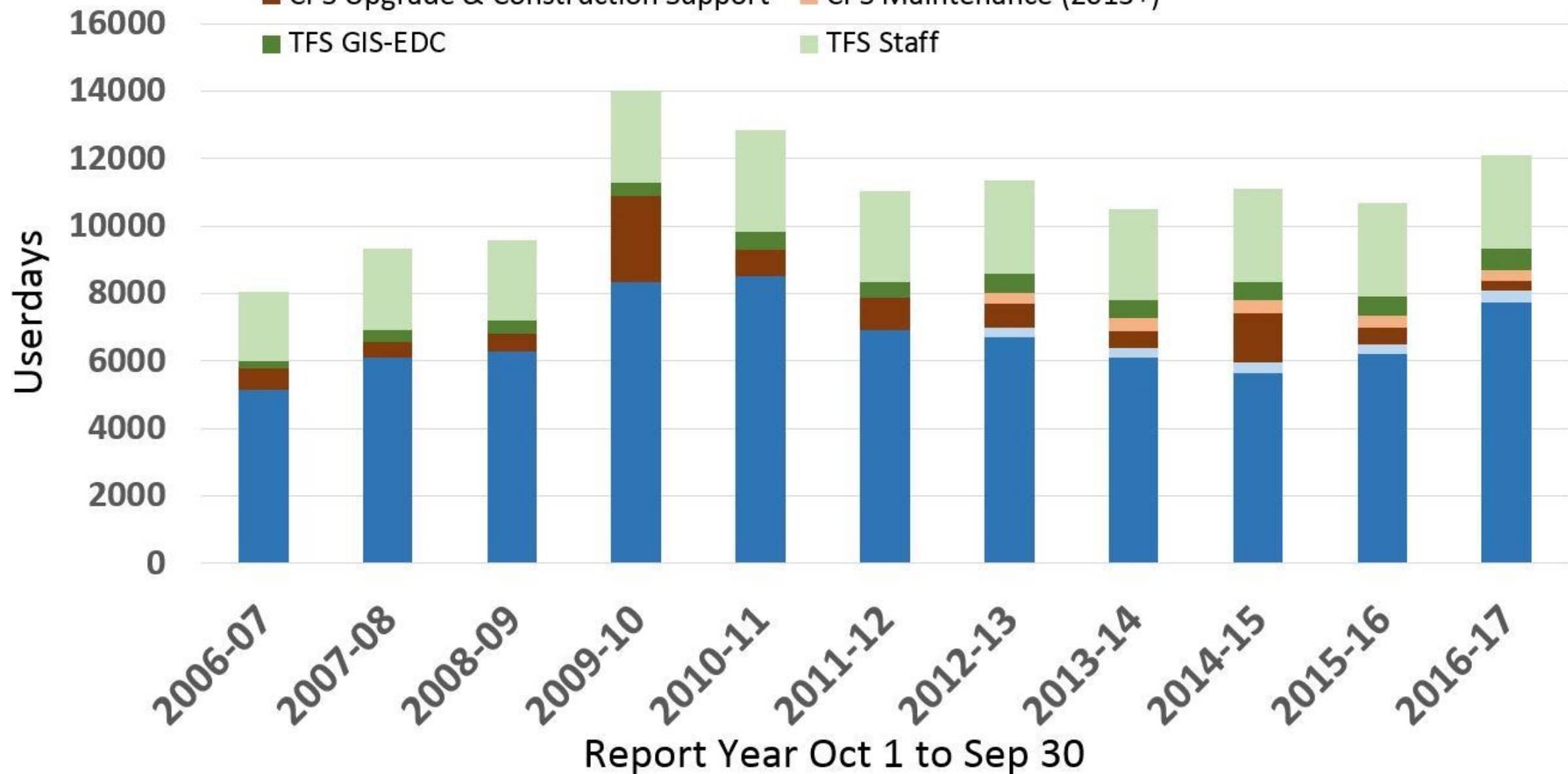


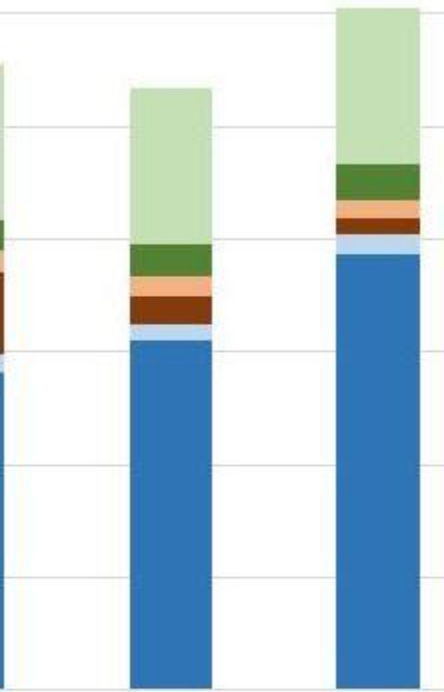
Toolik Field Station
Report 2016-17
Mike Abels, Brett Biebuyck
Chad Diesinger, Jeb Timm,
Skye Greer



Toolik Field Station Userdays Totals

- Science & Helo Support (1999 to 2012)
- CPS Helo Support (2013+)
- CPS Upgrade & Construction Support
- CPS Maintenance (2013+)
- TFS GIS-EDC
- TFS Staff





2015-16

2016-17

USERDAY CATAGORIES

	2015-16	2016-17	CHANGE	PERCENT
TFS Staff	2788	2763	-25	-0.90%
GIS/EDC	555	626	+61	+10.99%
CPS Russ/Tim	369	349	-20	-5.42%
CPS & Contractors	477	268	-209	-43.82%
Helo Coord. & Pilot	305	349	+44	+14.43%
Science	6195	7739	+1543	+24.90%

TOTAL

10690

12084

+1394

+13.04%

New Projects or Field Season Start Summer 2017

- Welker - Caribou Nutritional Landscapes (45)
 - ABoVE – seven projects (237)
 - NEON – end construction, start operations (+580 last year)
 - Lipson – Chlorine cycling (11)
 - Bret-Harte/Mack (+380 last year)
 - Rocha (+ 61 last year)
 - Budy (+ 270 last year)
 - Boelman/McLaren (264)
- + 1848 userdays summer 2017

TOOLIK FIELD STATION PROJECTS

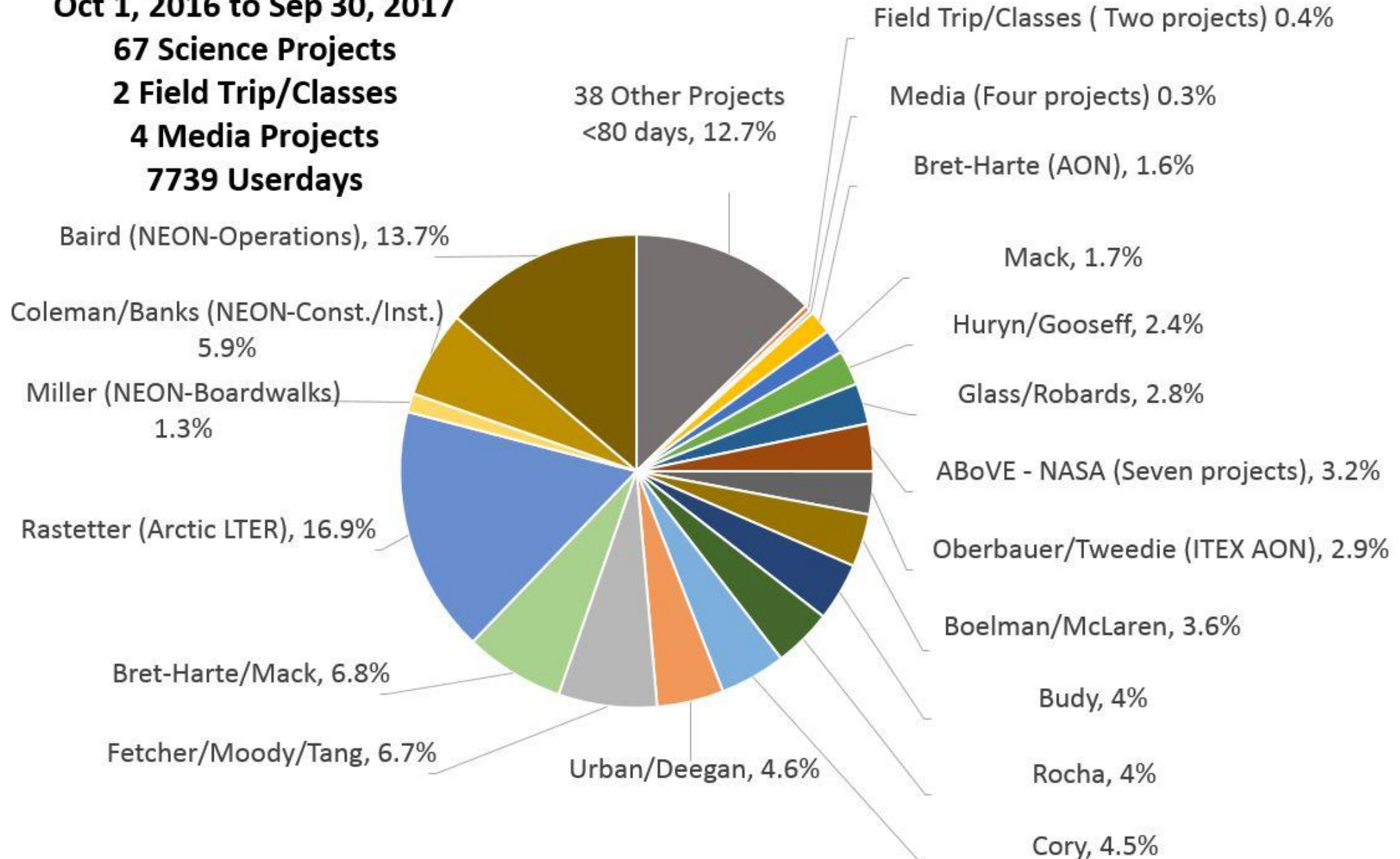
Oct 1, 2016 to Sep 30, 2017

67 Science Projects

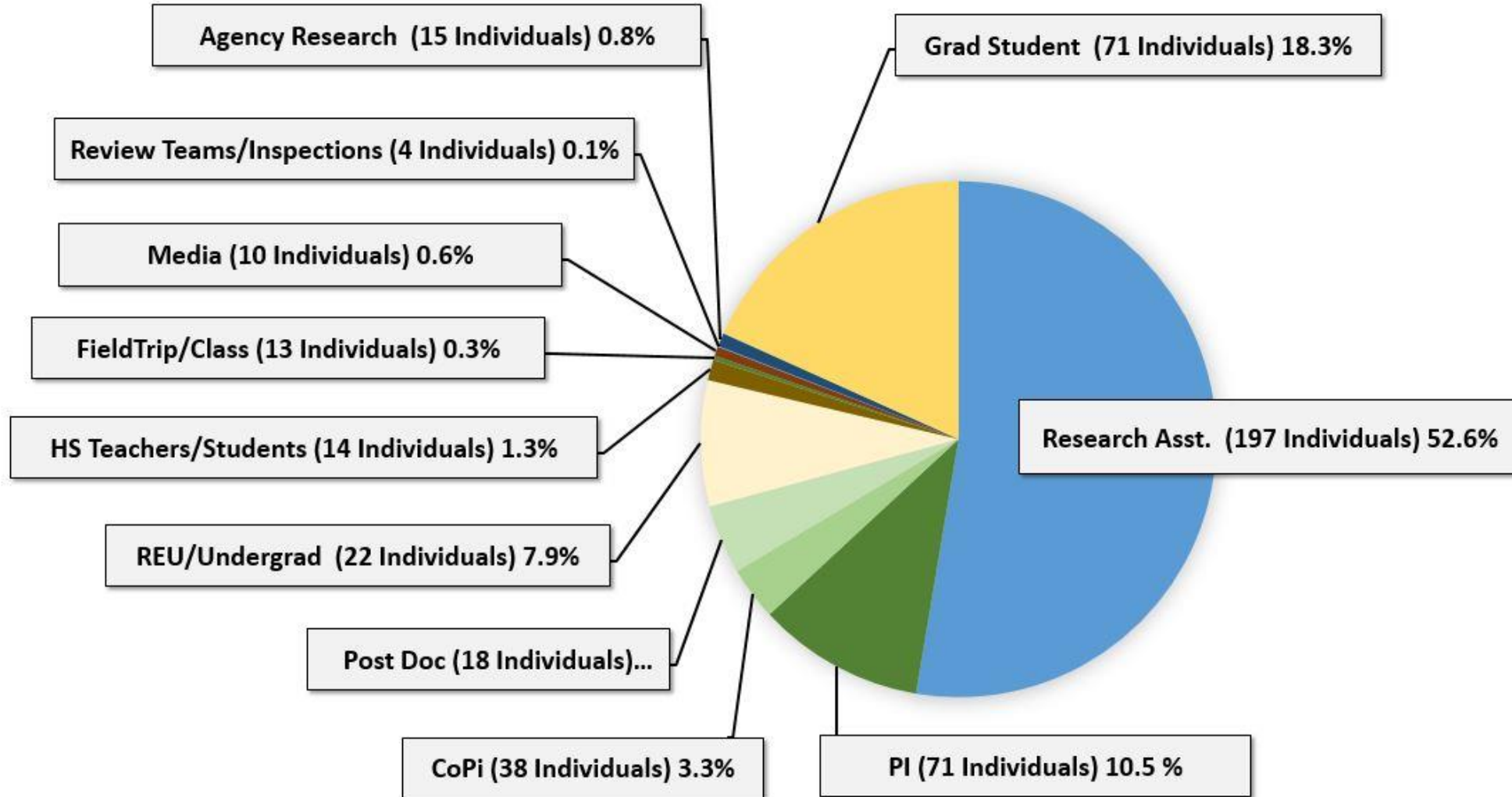
2 Field Trip/Classes

4 Media Projects

7739 Userdays

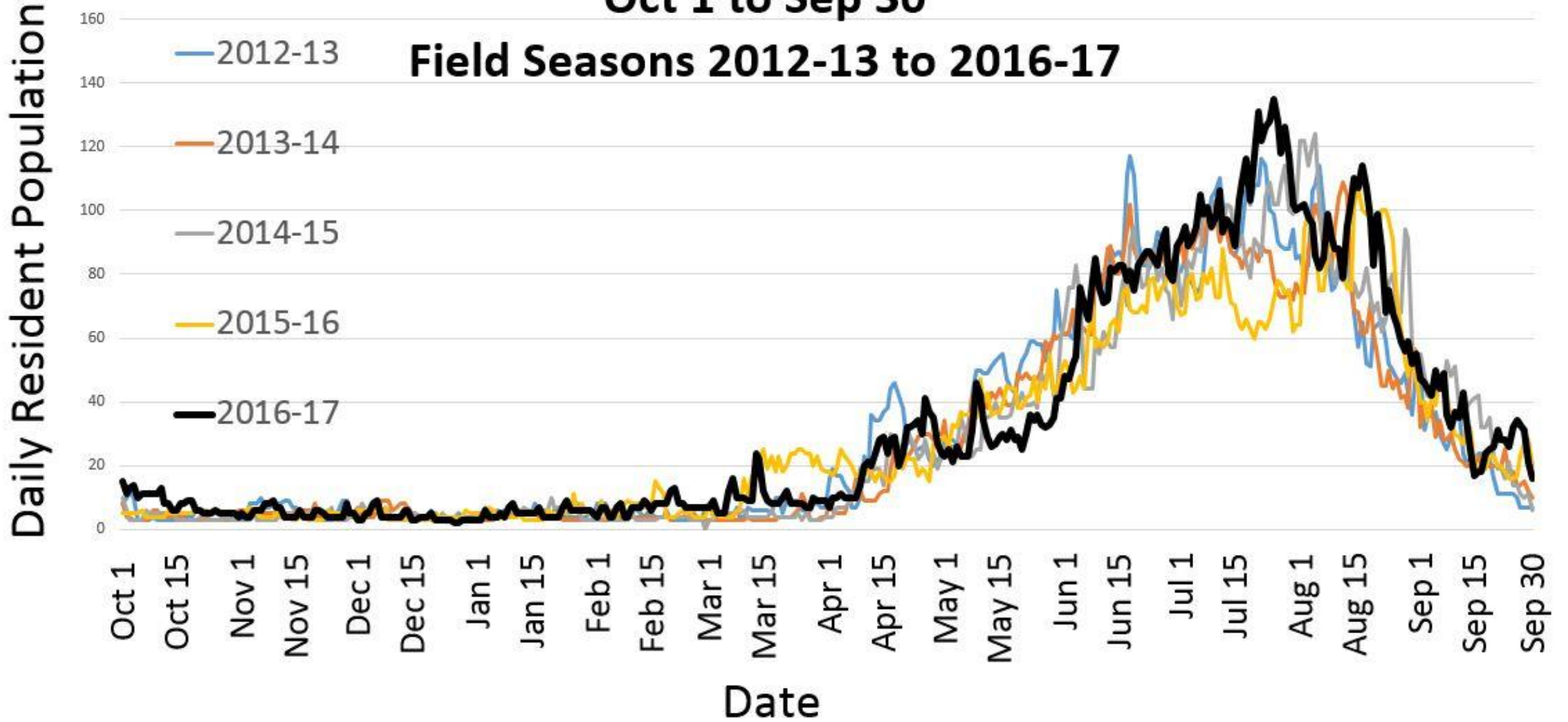


TOOLIK FIELD STATION
Oct 1, 2016 to Sep 30, 2017
SCIENCE USERDAYS by CATAGORY

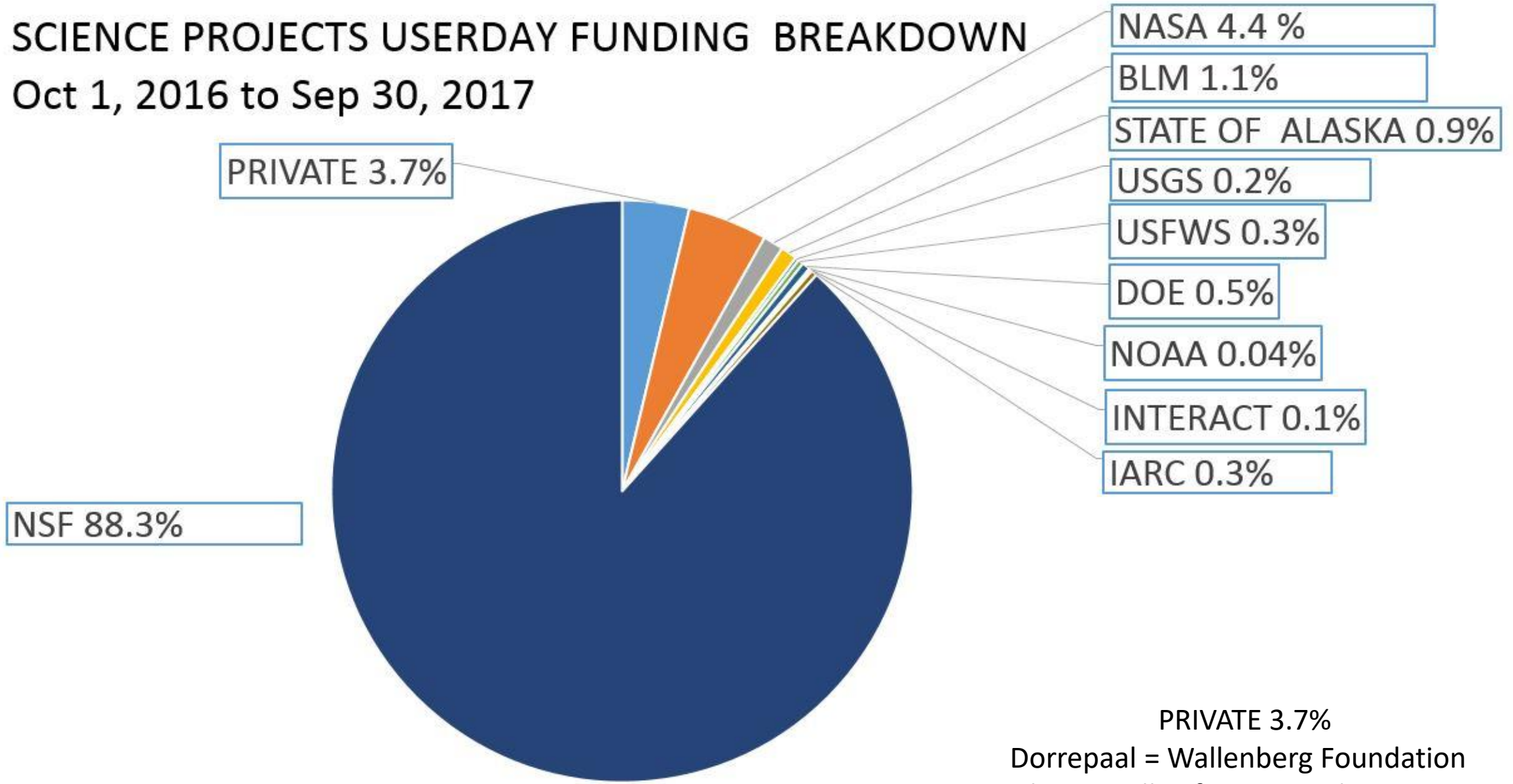


Toolik Field Station Resident Population Oct 1 to Sep 30

Field Seasons 2012-13 to 2016-17



TOOLIK FIELD STATION
SCIENCE PROJECTS USERDAY FUNDING BREAKDOWN
Oct 1, 2016 to Sep 30, 2017

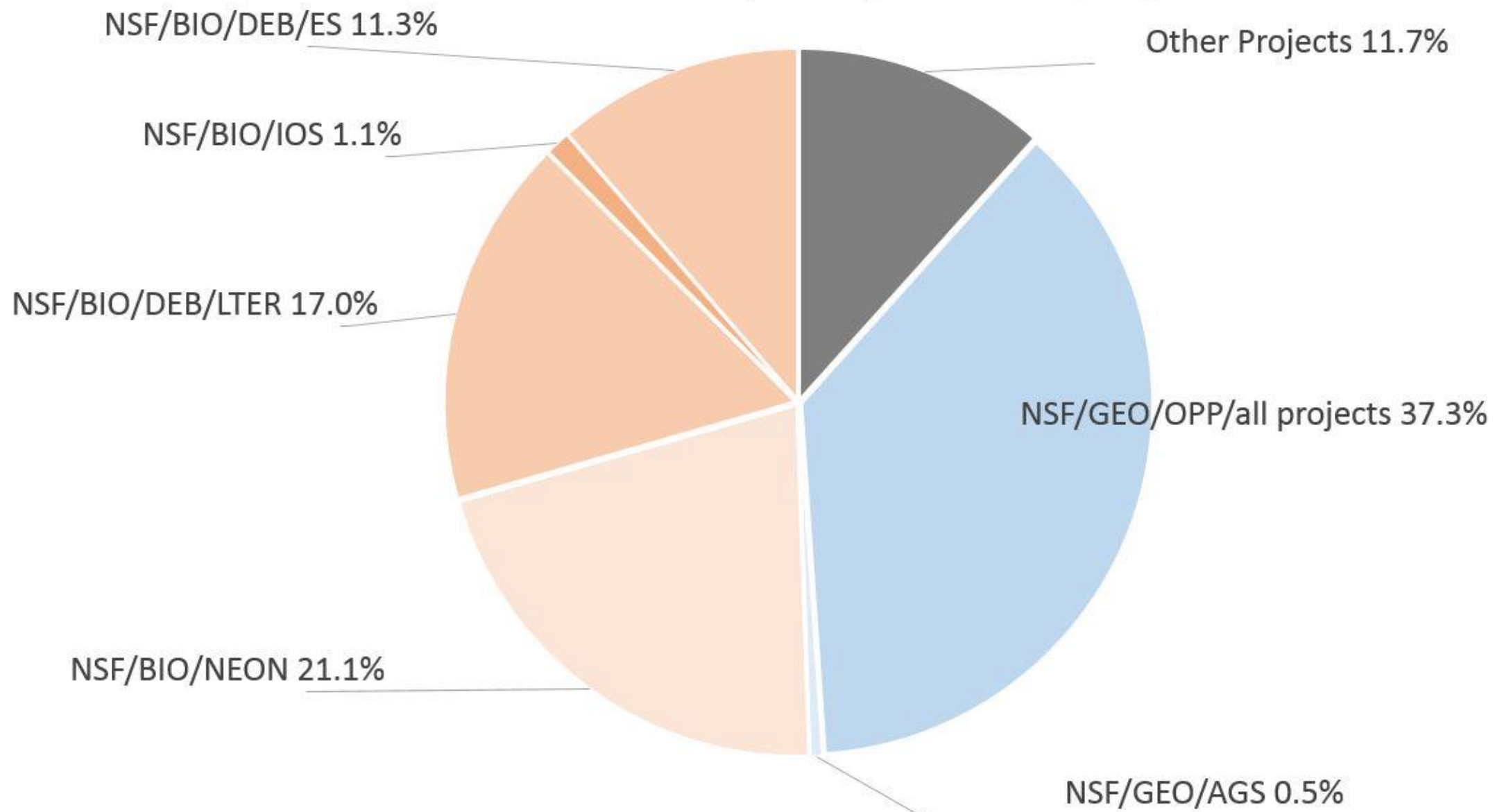


2015-16 NSF = 93%

PRIVATE 3.7%
Dorrepaal = Wallenberg Foundation
Glass = Wilburforce Foundation

TOOLIK SCIENCE PROJECTS USERDAY FUNDING BREAKDOWN

NSF ORGANIZATION DETAIL, Oct 1, 2016 to Sep 30, 2017



Staffing Changes

- ▶ No overall change in the number of positions

Fairbanks-based positions

- ▶ Expeditor
 - ▶ Brad Parker moved to a new position at UAF
 - ▶ Expeditor will change to a seasonal summer position
- ▶ Fiscal and Logistics Assistant
 - ▶ Stevie Goetz has filled this position as a temporary employee since April 2017
 - ▶ The position should be permanently filled this winter
 - ▶ Is heavily involved with billing, procurement, travel, and logistics support

Captain Toolik!



Toolik-based positions

- ▶ Assistant Manager
 - ▶ Emma Boone is pursuing
 - ▶ Chad Diesinger will take
 - ▶ Chad and Justin Johnson are handling reservation management

ights

anager position

ay-to-day station operations,

Staffing Highlights

Toolik-based positions

- ▶ Facility Supervisor
 - ▶ The position description was updated with focus on staff supervision (20 positions), community relations, inclusivity, and overall camp leadership
 - ▶ The position will overlap as equally as possible with the Assistant Manager positions
 - ▶ It is open for recruitment now with an expected review date of February 22
 - ▶ Please help us spread the word!

Staffing Highlights

Toolik-based positions

- ▶ Lead Safety Coordinator (year round)
 - ▶ This replaces one of the current summer seasonal EMT positions
 - ▶ Year round and full time (shifts)
 - ▶ The traditional seasonal EMT positions have high turnover and require significant training
 - ▶ A consistent established relationship with the physician sponsor will allow for expanded medical services
 - ▶ Will offer expanded and consistent safety programs
 - ▶ Will offer expanded training opportunities
 - ▶ Will work on refreshing TFS emergency actions plans and safety protocols
 - ▶ Target start date in the second half of the summer field season

Toolik Utilities

- ▶ Electricity: Produced 514 Mwh, ↓ <1% from 2016
- ▶ Fuel: Burned 66,520 gallons, ↑3% from 2016
 - ▶ Vehicle fuel ↑ 1540 gal. – 900 gal. higher than 5 yr average
 - ▶ Heating fuel ↑ 620 gal. – lower than 5 yr average
 - ▶ Generator fuel ↓ 620 gal. – close to 5 yr average
- ▶ Treated Water: Consumed 208,733 gal – highest since 2012
 - ▶ BUT ↑ userdays means per capita consumption of 15.0 gal. over peak summer months (JJA) was lower than previous 3 years

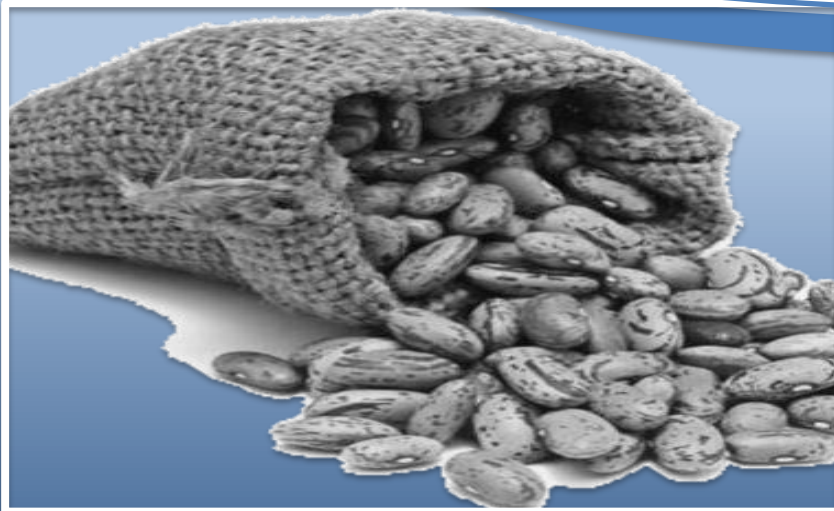
Relevant Parameters: FY2017 MAT (-7.6 C) colder than 2016, 2015 & 2014
Highest annual userdays since 2010-11

Shipping/Transportation

- ▶ All outbound hazardous materials shipments handled by TFS will need to be arranged in advance. These shipments will be routed through UAF Environmental Health and Safety for inspection and final shipping preparation.
- ▶ TFS will provide similar truck services to last year: 1 science truck weekly year-round, an additional run mid-April-September, and a DHE charter June-August. All seats are reserved as part of the housing reservation process

SG² = TFS Bean Counting Team

The Bean Team is growing to keep up with everything else that's growing (# of users, # of Toolik fuel accounts, # of regulations, etc)



Skye **G**reer
Stevie **Goetz**

uaf-tfs-business@alaska.edu

Payment timeline	Less than 1 week!	1-2 weeks	2-4 weeks	4-6 weeks	6-8 weeks	8+ weeks
Check	1	10	25	6	4	15
Online	110	25	21	14	6	14
TOTAL	111	35	46	20	10	29
% of total	44%	14%	18%	8%	4%	12%

Manager's perspective 2017

- There were no TFS related emergency medical situations or serious, negative community events to report aside from the typical challenges.
- There was significant increased use of the station this year and the main season was exceptionally busy.
- Resignation of Emma Boone created need for recruitment strategy to fill Assistant Manager position
- Visiting High School group to TFS required intensive coordination, additional mandatory staff trainings and background checks but still was successfully accomplished



Challenges/*Responses*

- Short notice reservations and incomplete/lacking information regarding support needs and project plans in Toolik Information System continued to create challenges for TFS staff
- *Updated programming will now allow for easier access by administrators/ PIs to update their project's information including space and support requests in myToolik as well as easier management of their reservations.*
- *Programming has now linked truck seat reservations with housing to stream line process and eliminate duplicate truck reservations and truck reservations without housing plans*

Staffing Changes

- A new Assistant Manager (already hired) will start.....after we hire a new Facility Supervisor (aka Manager)
- Plans are being developed for a year round Safety Coordinator/EMT

