

# TOOLIK FIELD STATION

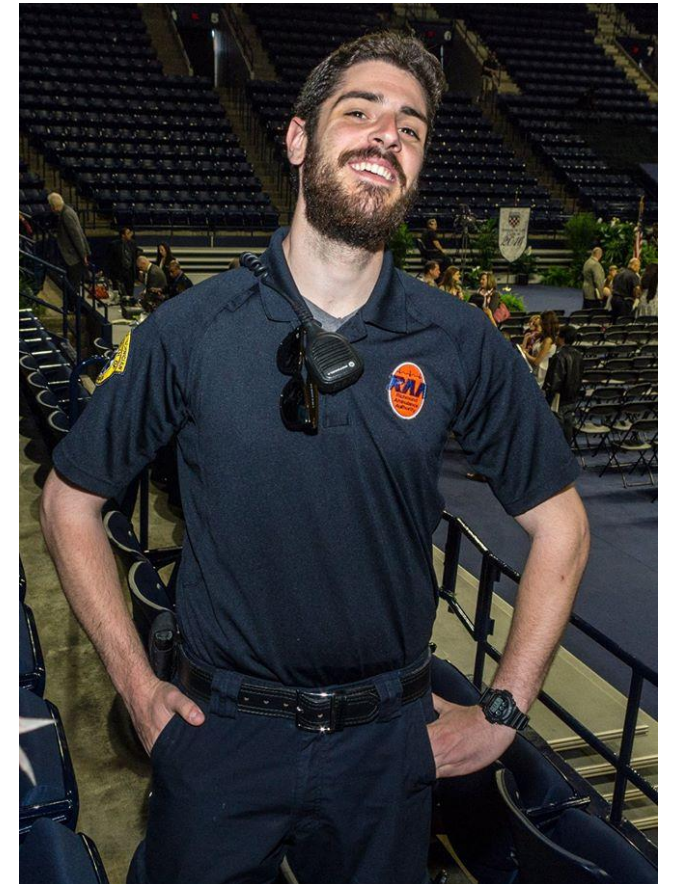
OCT 1, 2018 - SEPT 30, 2019 REPORT  
2020 SAFETY & EMERGENCY PLANNING

SCOTT FILIPPONE



# WHO AM I?

- B.S. in Biology – 2013
- M.S. in Physiology & Biophysics – 2015
- EMT - Richmond Ambulance Authority
- Field Training Officer -Richmond Volunteer Rescue Squad



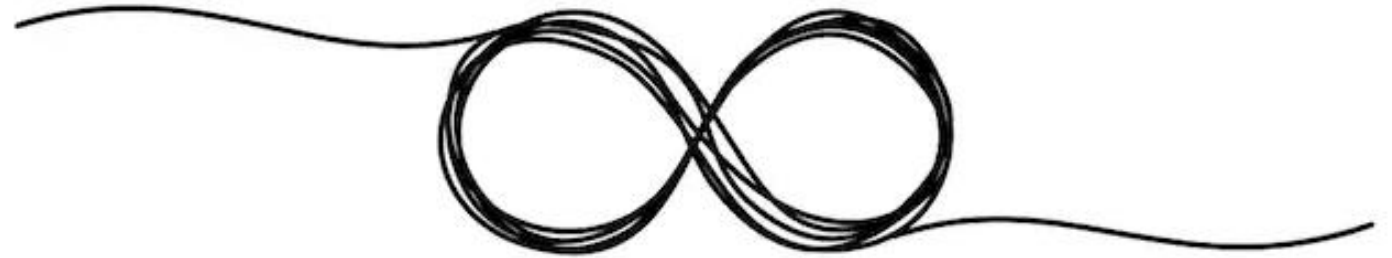
# WHO AM I?

- ER Tech - Alaska Native Medical Center
- Firefighter/EMT - Chugiak Volunteer Fire Department



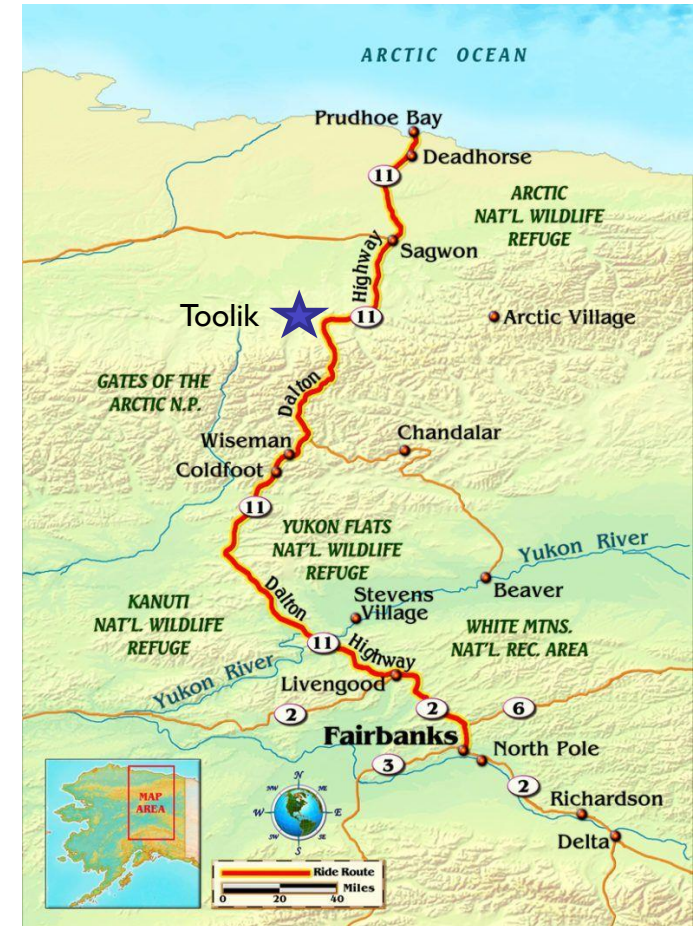
## GOALS FOR THIS POSITION

- Continuity between field seasons
- Coordination between institutions
- Consistency between staff and users



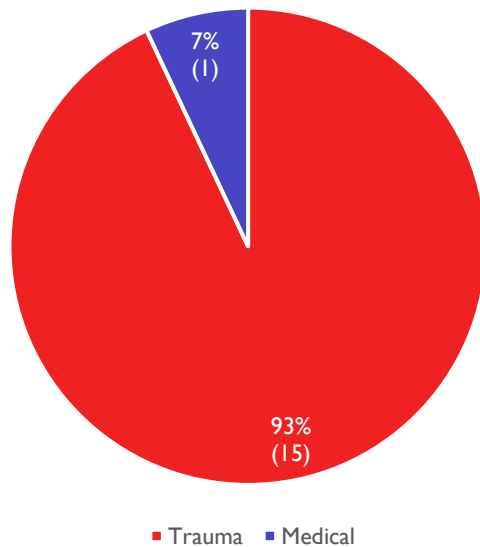
# CULTURAL REINFORCEMENT

- Encourage injury reporting among users
  - Reporting unsafe conditions
- Dalton Highway does not mean easy access to a higher level of care
- Make people think about what they bring into the field

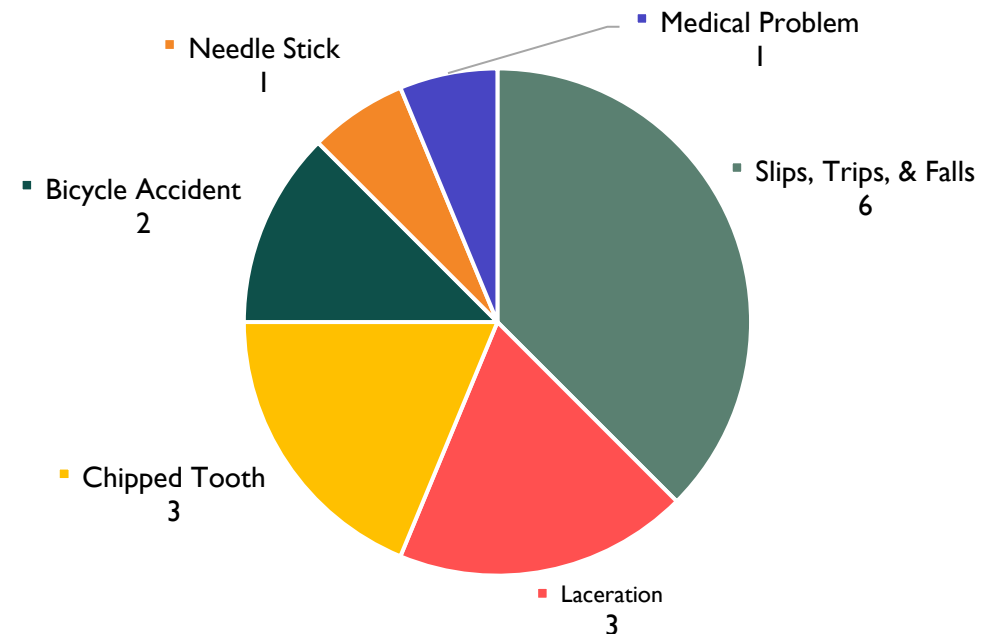


# INJURIES BY TYPE

## Trauma Vs. Medical Calls



## Cause of Injury



# FUTURE CAMP IMPROVEMENTS

- Vital Sign/Cardiac monitor
- Anti-slip stair nosing
- New bike helmets and joint pads
- Higher availability of first aid stations in buildings
- More chemical waste storage cabinets



# INDUSTRIAL HYGIENE

- Bloodborne Pathogen Exposure Plan update
- Spill Prevention, Control, and Countermeasure Plan update
- Hazardous waste labelling, storage, and removal



# INDUSTRIAL HYGIENE

- Updating Emergency Response Plan
- UAF IAB chemical inventory in Spring 2020
  - Gas cylinder tracking
- Toolik Safety will now perform:
  - Fume hood inspections
  - Fire extinguisher inspections



# WEBSITE UPDATE & REQUEST SYSTEM

- Website “Medical” tab reworked
  - Better idea of what to expect in camp
- Support request system in the same format as UAF Health & Safety Assistant
  - Hazmat Waste Pickup
  - Container request
  - Radioactive materials declaration and removal

**Request Detail**  
**Waste Pickup Request Detail**

Request #

Waste Type ☒ Chemicals-Used ☐ Chemicals-Unused ☐ Unknown ☐ Biological ☐ Universal ☐ Mixed Waste

Physical Form ☐ Liquid ☐ Solid ☐ Gas

Container Type  # of Containers  Container Size  Unit of Measure

Total Waste Quantity  Unit of Measure

Location of Waste

Comments

Pick (?)...or Type Chemical -OR- Choose an Inventory Item ->  % of Content  CAS #  [Attach](#)

---	Chemical #	CAS #	Chemical Description	% of Content

☐ Click here if you need Hazardous labels 0.00

**Toolik Field Station**  
Non-Radioactive Hazardous Material  
Transfer Request Form

Project ID: [Redacted] Contact: [Redacted] E-Mail: [Redacted]

Point of Generation: [Redacted] Start Date: [Redacted]

Material Origin: ☒ Research ☐ Facility Support

Chemical Name/Description (for mixtures please list % or ppm of constituents, specify organic compounds, inorganic compounds and heavy metals):

Chemical Name/Description	Number of Containers	Container Size	Total Volume (Liters or Kilograms)
1% 4.00 pH buffer (Fisher S810) - Potassium hydroxide, phosphate	1	5 gallons	18.75 L
40% 7.00 pH buffer (Fisher S810) - Potassium hydroxide, phosphate	1	4 L	4 L
40% 10.00 pH buffer (Fisher S810) - Potassium hydroxide, phosphate	1	4 L	4 L

Container Type: ☐ Glass ☒ Plastic ☐ Metal ☐ Other: ☐ Semi-solid

Physical State: ☐ Solid ☒ Liquid ☐ Gas

Division of Hazardous Materials Use Only

CAS Number: \_\_\_\_\_ Sig/Aldrich Reference #: \_\_\_\_\_

Product Number: \_\_\_\_\_ By: \_\_\_\_\_

Regulatory Information: ☐ RCRA Regulated ☐ Non-Regulated ☐ TSCA Regulated ☐ UN # \_\_\_\_\_

EPA Waste ID: \_\_\_\_\_ DOT Hazard: \_\_\_\_\_

**Request Detail**  
**Waste Pickup Request Detail**

Request # **P191014001**

Waste Type: ☒ Chemicals-Used ☐ Chemicals-Unused ☐ Unknown ☐ Biological ☐ Universal ☐ Mixed Waste

Physical Form: ☐ Liquid ☐ Solid ☐ Gas

Container Type: -- None -- # of Containers: **1** Container Size: \_\_\_\_\_ Unit of Measure: -- No Selection --

Total Waste Quantity: \_\_\_\_\_ Unit of Measure: -- No Selection --

Location of Waste: \_\_\_\_\_

Comments: \_\_\_\_\_

Pick (?)...or Type Chemical -OR- Choose an Inventory Item -> % of Content: **100.00** CAS #: \_\_\_\_\_ [Attach](#)

Chemical #	CAS #	Chemical Description	% of Content
---			

☐ Click here if you need Hazardous labels

**0.00**

[Add Another Container](#) [Submit](#) [Cancel](#)

# TRAINING

- Hands-Only CPR + AED Training
- First aid lectures
- Roadside emergency training and reference materials
- Boat orientation
- Vehicle orientation



# FUTURE TRAINING

- Mental health first aid
- Medevac agency community outreach
- Medical scenarios
- Field first aid kit usage



# CHANGES RESULTING FROM USER INPUT

- Medevac membership guide
- Feminine hygiene products
- Compact, lightweight field first aid kits



THANK YOU!



QUESTIONS?