

Crab Foundation – Research Update

Tagging & Movement for BBRKC

Alaska Bycatch Advisory Council – 10/24/23



Scott Goodman | Executive Director
Bering Sea Fisheries Research Foundation

➤ CPS1 (March-April 2023), CPS2 (2024)

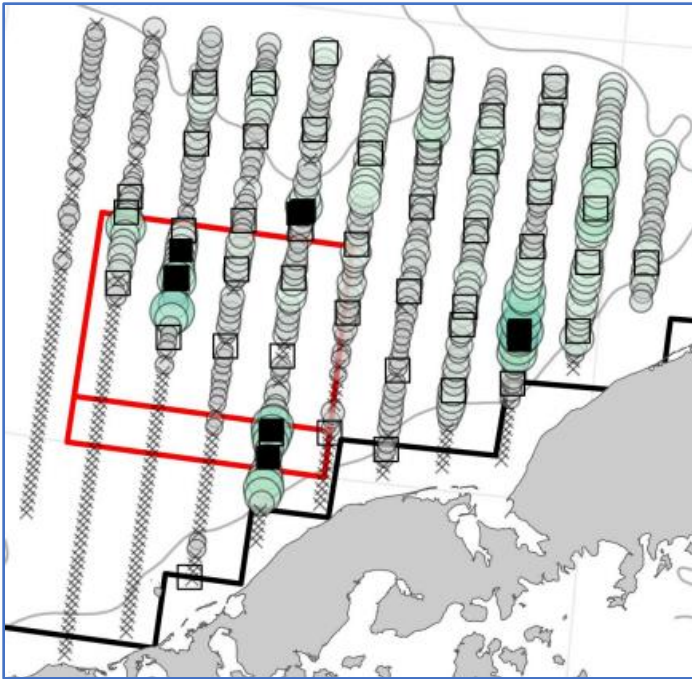


CPS1 – Collaborative Pot Sampling Project

- This is the first pot ‘survey’ project for BBRKC in the winter/spring
- Almost completely paid for by government funds (ADFG/NMFS)
- Two crabbers out for ~25 day charters for sampling and tagging
- More like this is coming

CPS1 – Preliminary Results – Effort & TAGS

- 637 total pot lifts (338 SS / 299 SB)
- 10,191 total RKC caught during survey
- 3,498 legal male RKC (>135 mm CL)
- 7,824 males v. 2,367 females (77% v. 23%)
- 100 tags placed during sampling

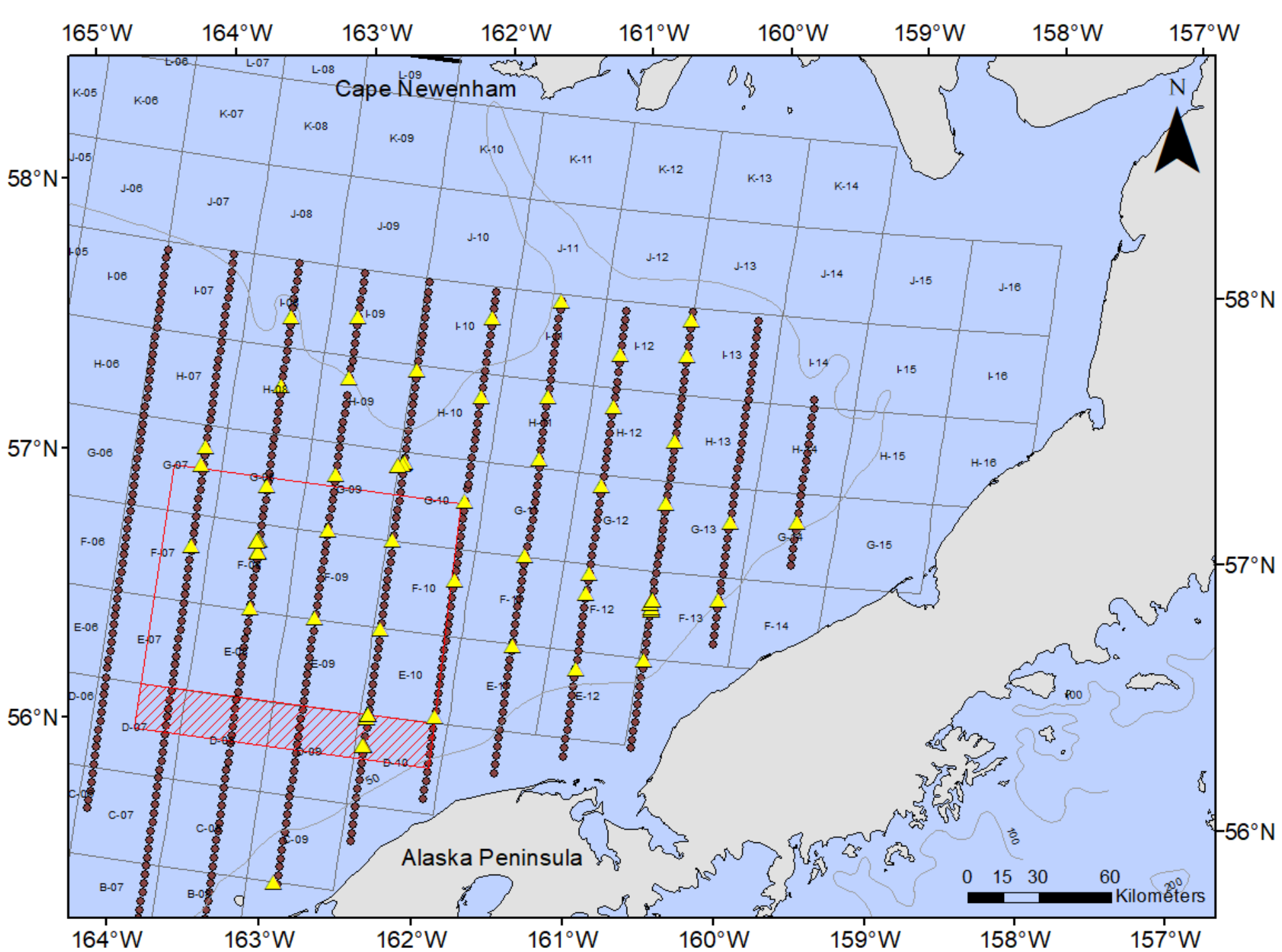


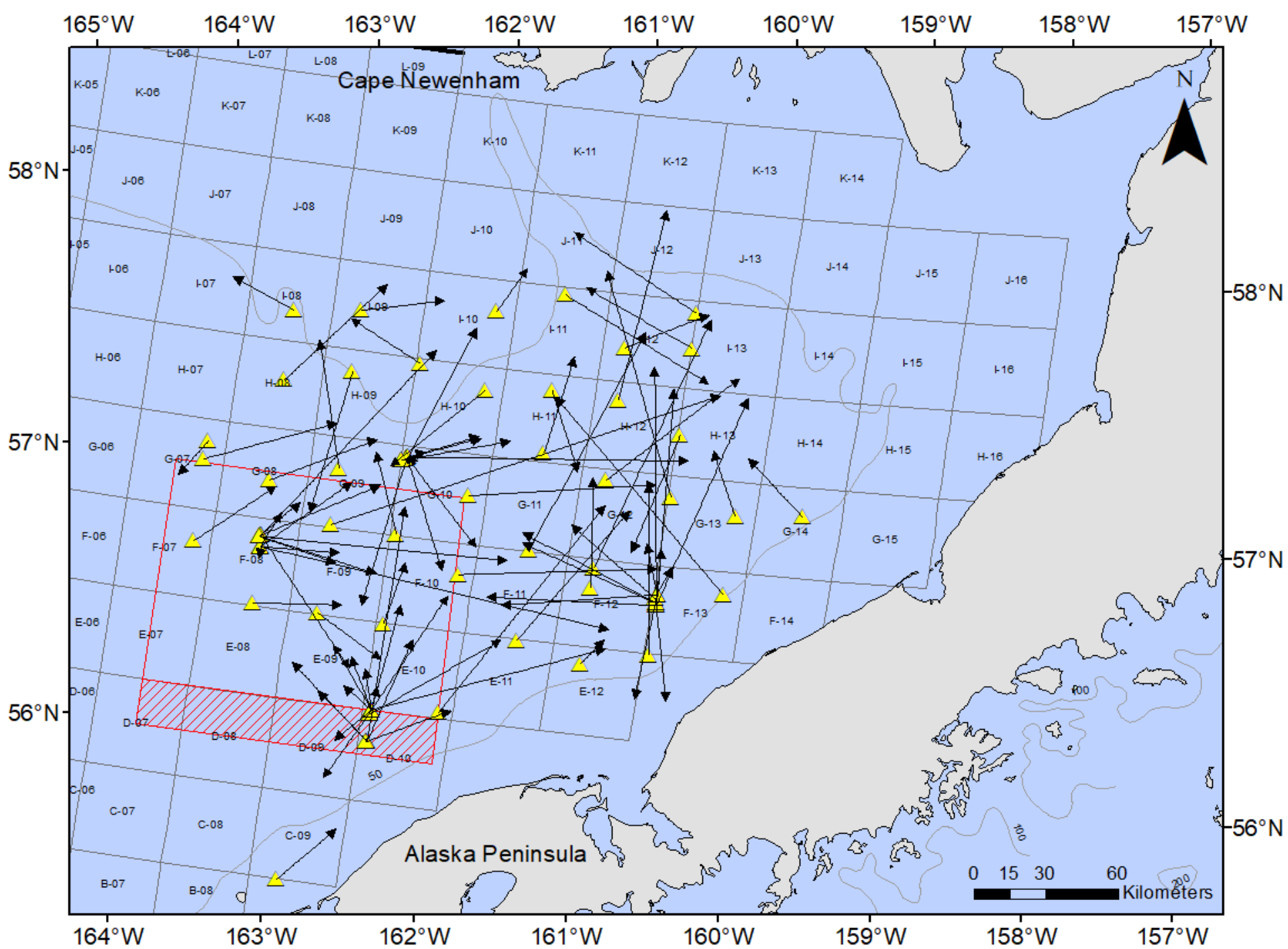
- Mature male RKC tagged
- >50 sites w/ tags
- 8 sites w/ >1
- Part of ongoing tagging & movement research (>1,000 tags out currently)

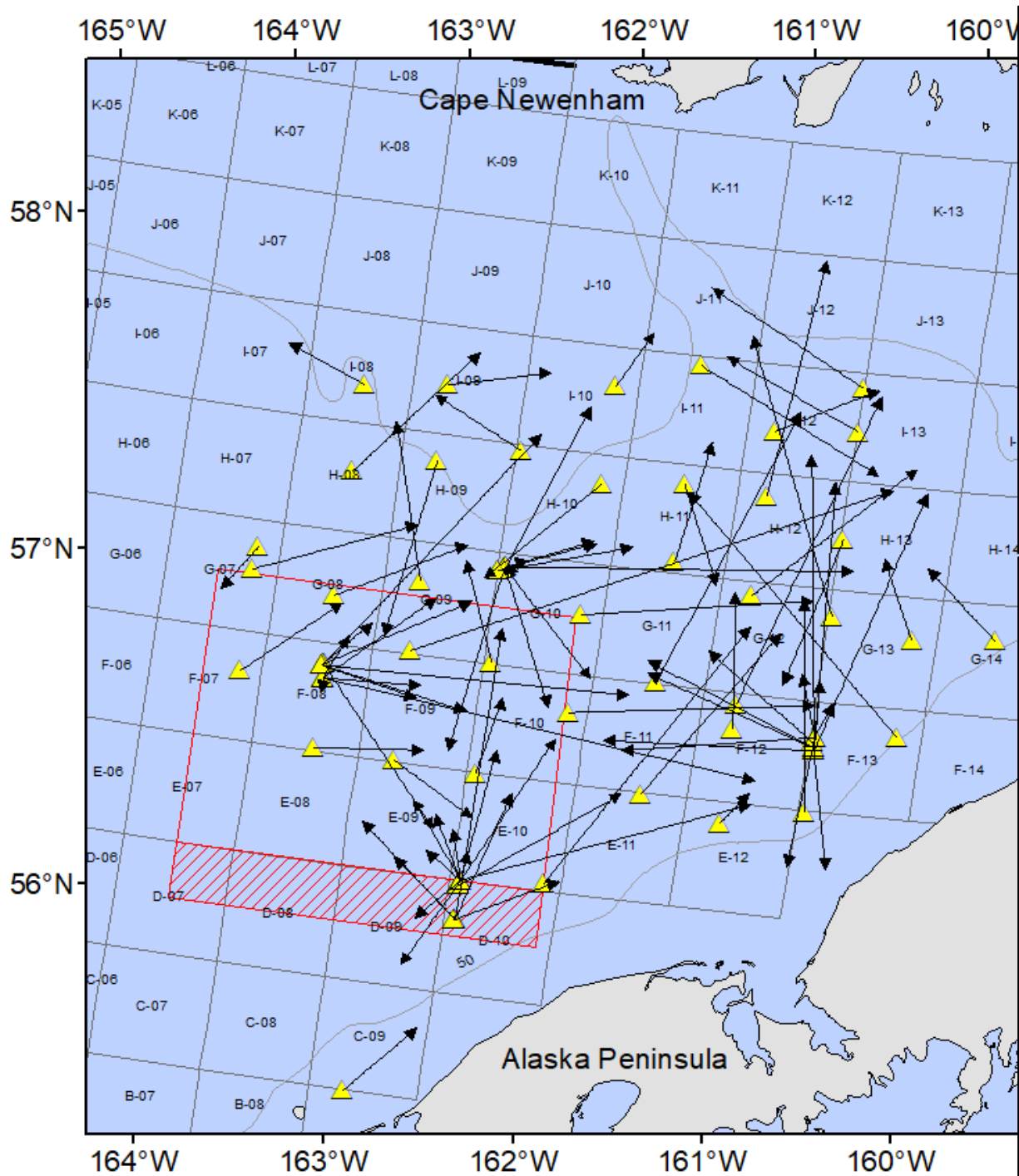
Tagging on CPS1



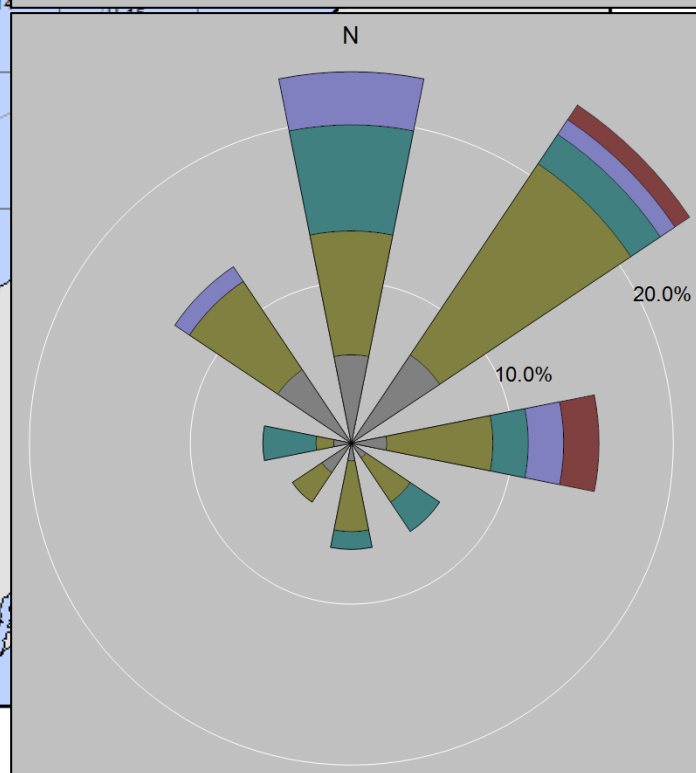
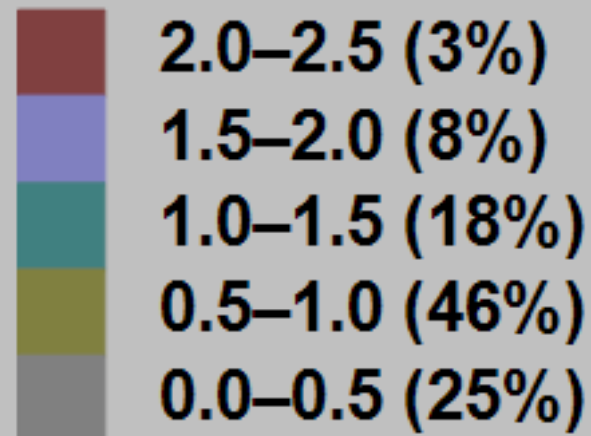
100 tags deployed on new hard-shell mature males

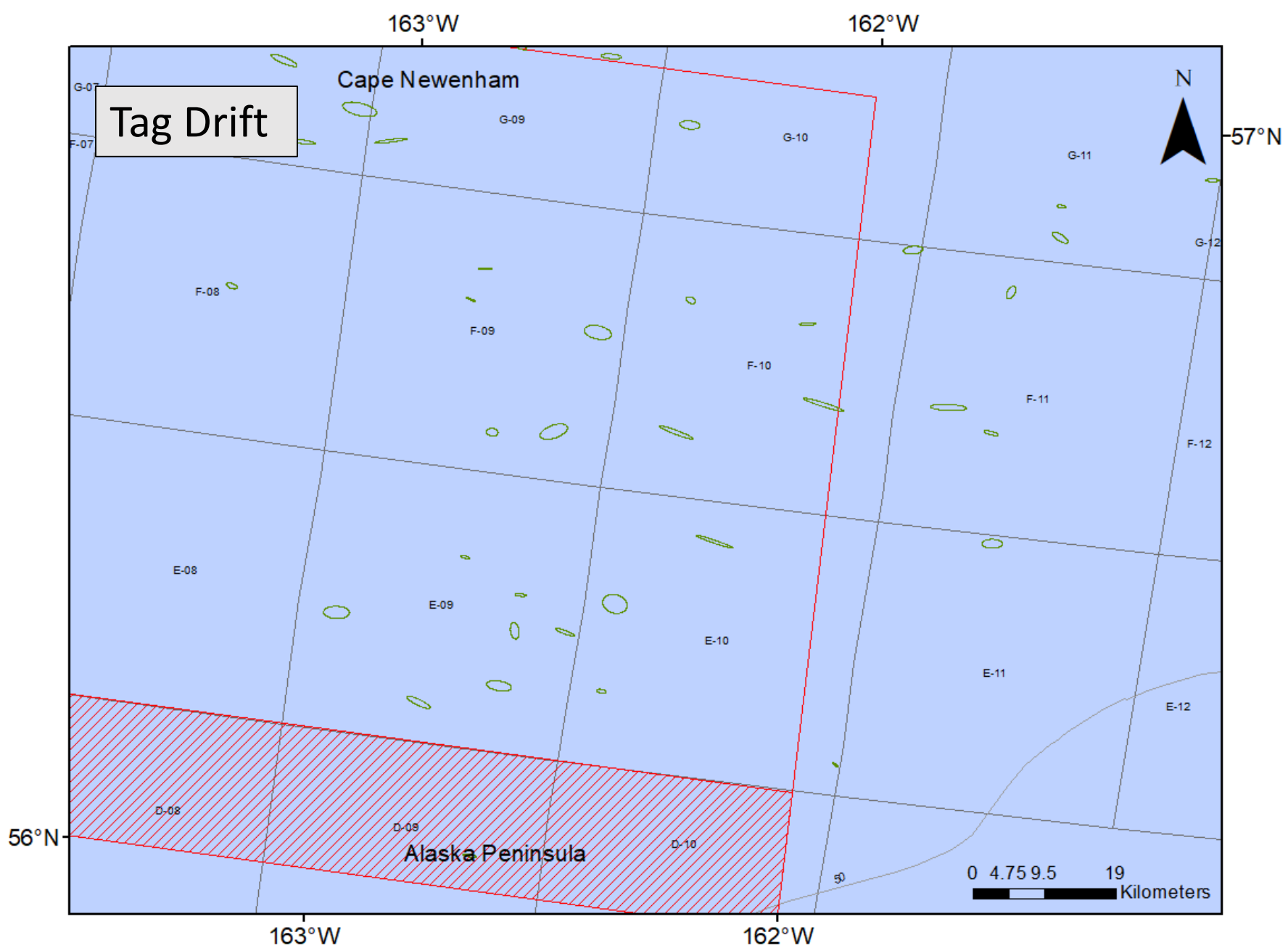




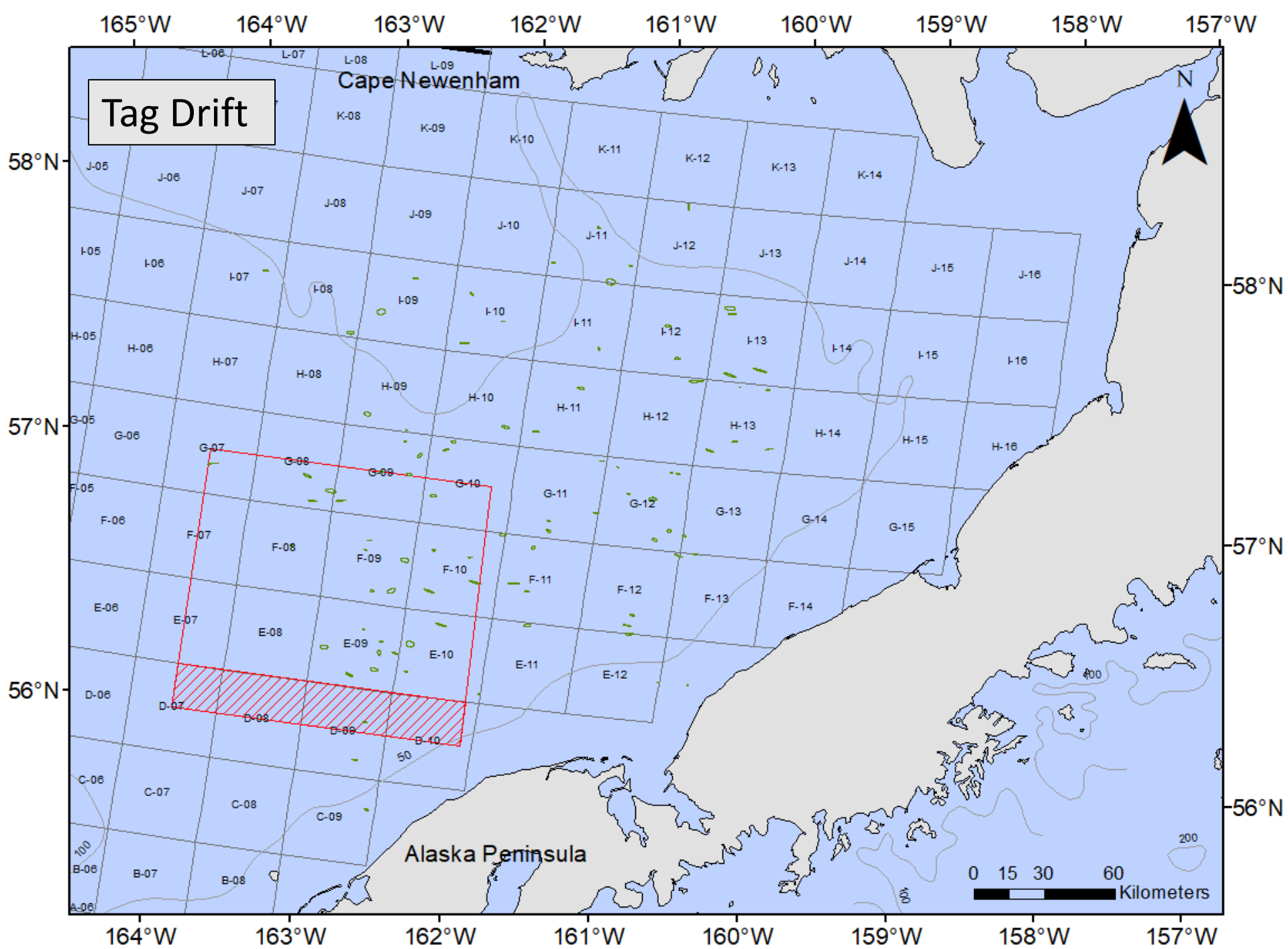


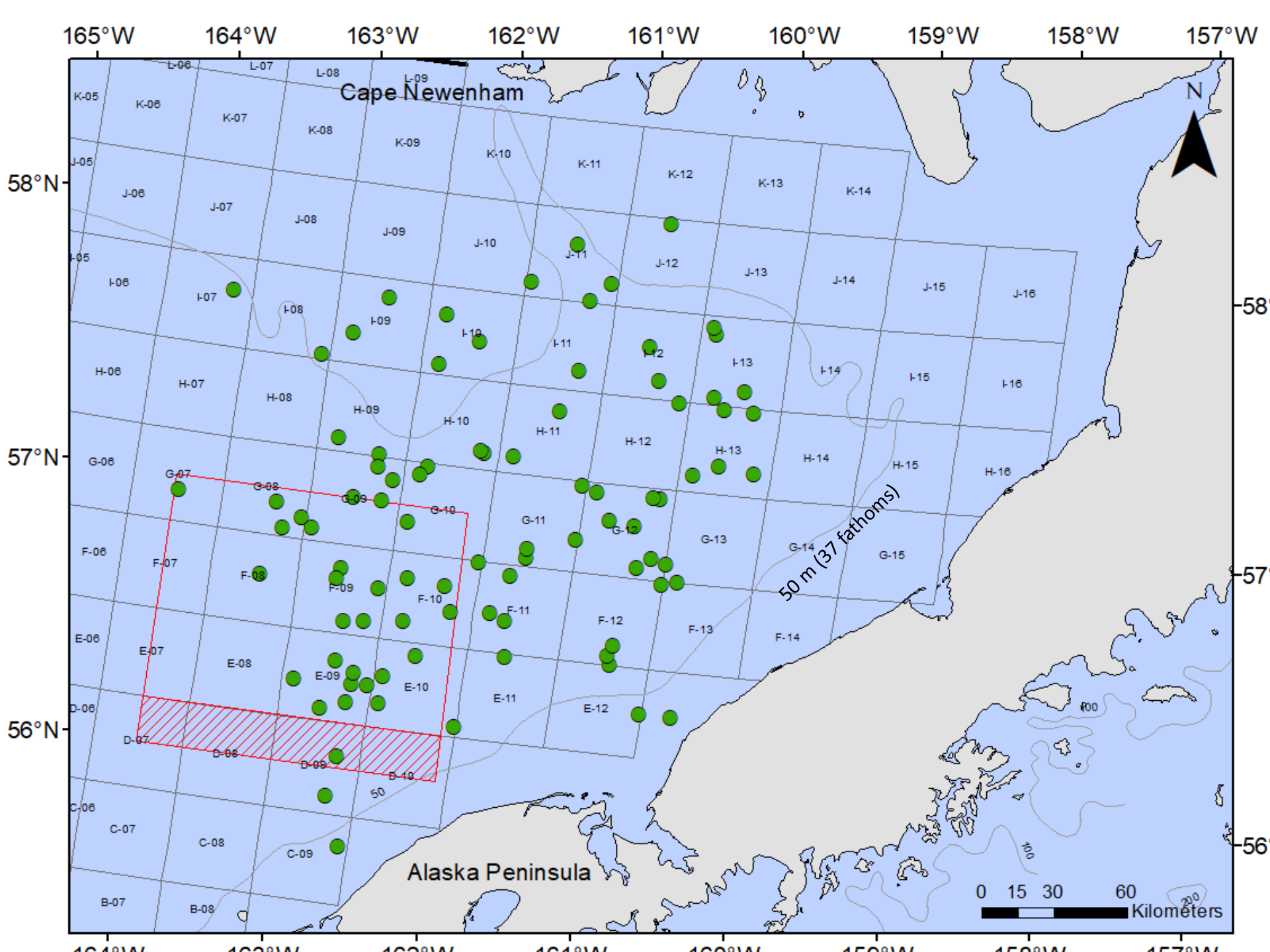
Rate (km/d)

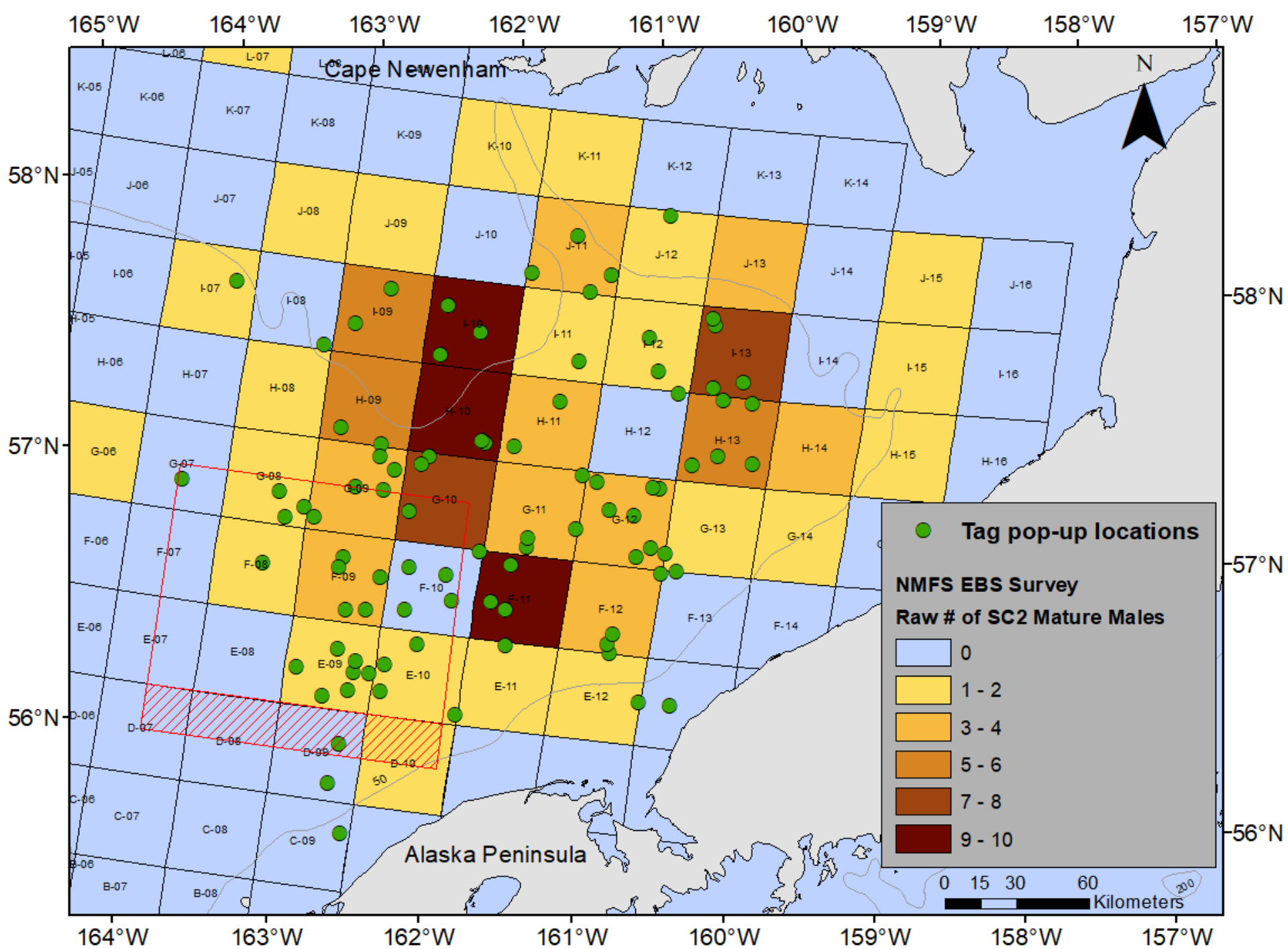




Thanks to Andrew Nault (ADF&G) for all drift calculations

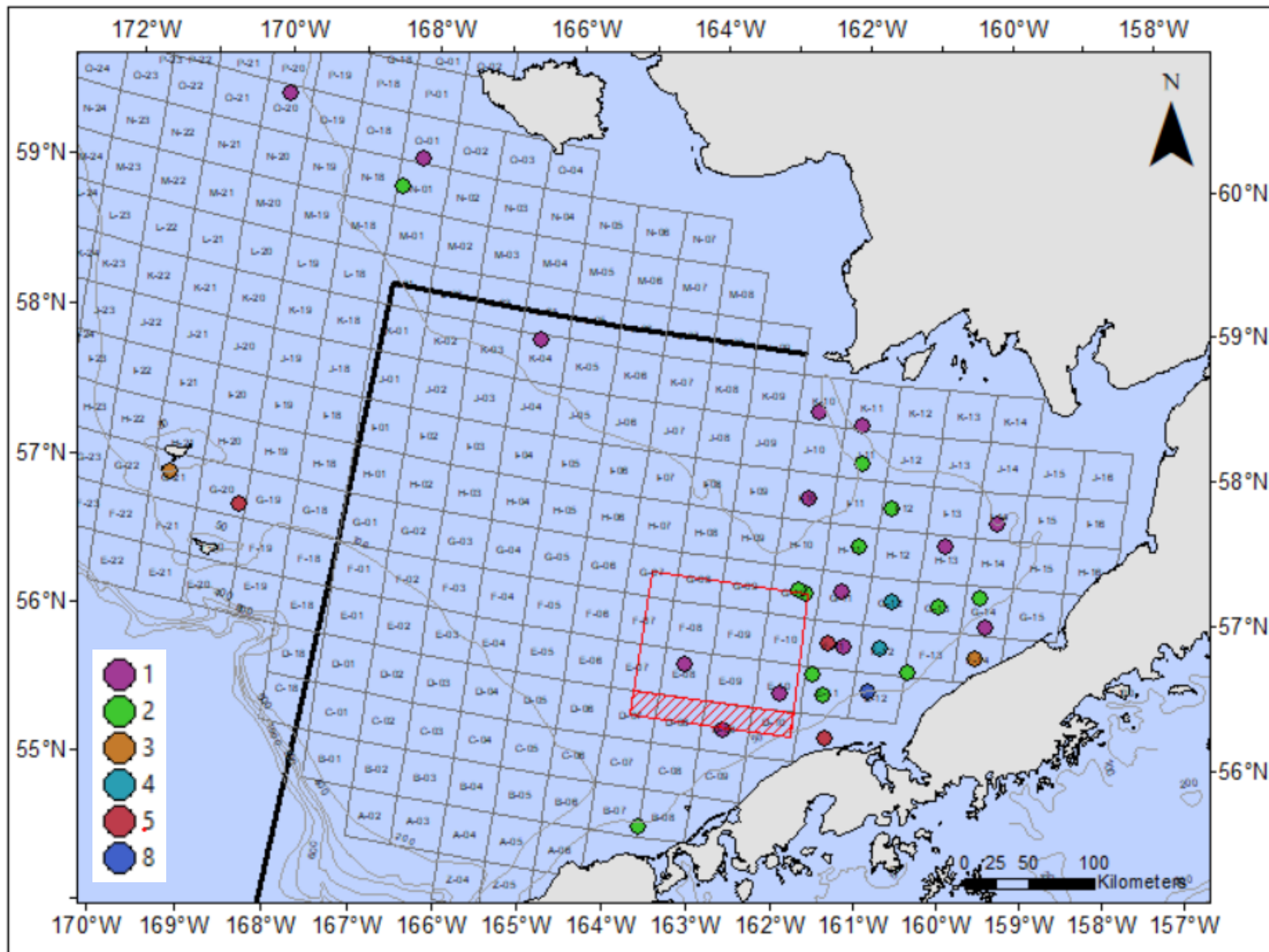






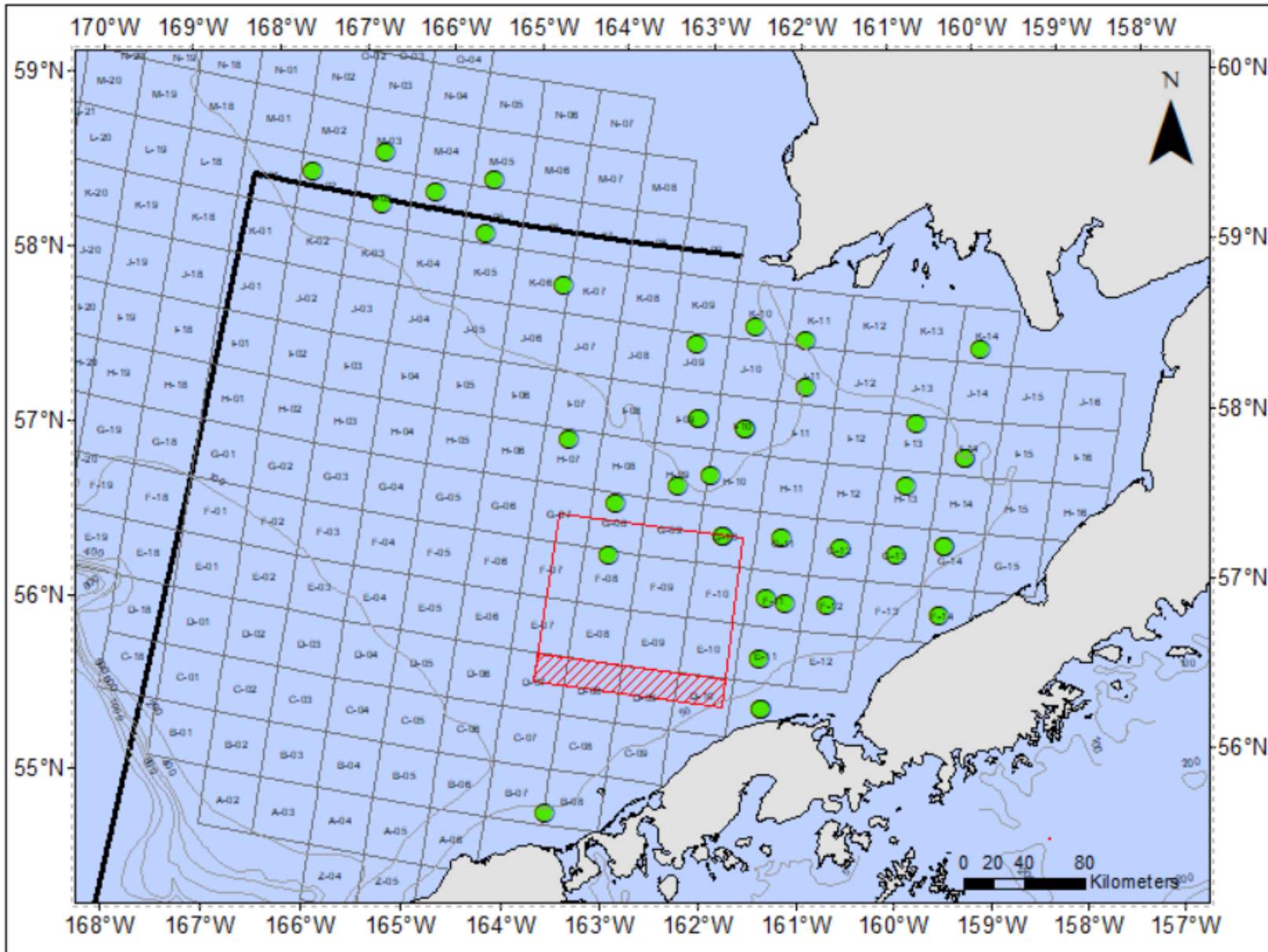
Tagging Summer 2023

Females



Tagging Summer 2023

Males



➤ Upcoming Research

- What's on the horizon?
- Several options to be ready for
- Pot sampling, camera work, trawl sampling, tagging charters, gear work, other research
- Coordinating with State of Alaska and NOAA and stakeholders - what next projects may be
- Charter options may be similar or more selective depending on the project(s)
- We are firming up research project plans with available funds to support the work



Please feel free to reach out with questions anytime

Scott Goodman
Executive Director, BSFRF
sgoodman@nrccorp.com
425-232-5986

Dr. Gary Stauffer (gdstauffer@outlook.com)
Dr. Gordon Kruse (ghkruse@alaska.edu)
Ms. Madison Heller-Shipley (mshipley@nrccorp.com)
Dr. Tim Loher (tim.at.martingale@gmail.com)