

# MIT Coastal Sailing Shore School

## IAP 2026

Introduction To Bluewater Sailing  
Teresa Augustin  
Scott Dynes



# Course Schedule: IAP 2026

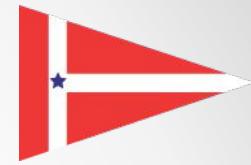
Date	Topic
Tue Jan 6 <sup>th</sup>	Introduction to Bluewater
Thurs Jan 8 <sup>th</sup>	Sailing Beyond MIT*
Tue Jan 13 <sup>th</sup>	Safety and Emergencies
Thurs Jan 15 <sup>th</sup>	Navigation I - Basics*
Tue Jan 20 <sup>th</sup>	Navigation 2 - Electronics
Thurs Jan 22 <sup>nd</sup>	Nav. Apps and Sail Trim
Tue Jan 27 <sup>th</sup>	Knots*
Web Jan 28 <sup>th</sup>	Living Aboard a Boat
Thurs Jan 29 <sup>th</sup>	Splicing and Soft Shackles*

\* Theses sessions have signups to determine supplies

# Agenda

- **Introduction**
- About MIT's bluewater sailing program
- How can you get involved?
- The bluewater boat: the basics and the experience

# The MIT Sailing Program

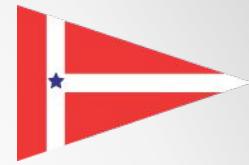


MIT's sailing program is among the oldest in the nation.

The ongoing mission is to provide the MIT community with opportunities to sail and improve their nautical skills.

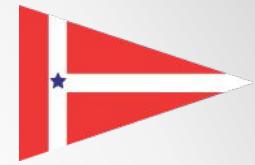
- The MIT sailing pavilion was built in 1935
- Today there are ~100 sailboats at the pavilion, ranging from Tech dinghies to foiling kiteboards
- The MIT sailing program hosts over 2000 people every year

# The MIT Sailing Program



There are so many ways to enjoy sailing  
at MIT!

# The MIT Sailing Program



MIT's sailing program is among the oldest in the nation.

The ongoing mission is to provide the MIT community with opportunities to sail and improve their nautical skills.

- While everyone knows about the river sailing, MIT is almost unique in also having a Bluewater boat as part of the program

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# What is bluewater sailing?

Usually means sailing way offshore - the water really is a mesmerizing blue.



# What is bluewater sailing?

For us, it means sailing somewhere other than the river - “coastal” sailing.

Since the early 1980s MIT has had a series of bluewater boats due to the graciousness of those who believe in the MIT mission and donated boats to the program:

Mashnee - Buzzards Bay 30 -- **Thanks to Jan and Mary Rozendaal !!**

X-Dimension - C&C 43 -- **Thanks to David Collins '59 !!**

Nevermore - Tartan 37 -- **Thanks to Ralph Reis '48 !!**

Hermes - San Juan 24

Aleida - Hinckley 38 -- **Thanks to Albert Hopeman '34**

# Goals of the program...

- Expose sailors to cruising and racing
- Build confidence on the water
- Strengthen on water skills
  - Safety
  - Communication
  - Crewmanship
- Strengthen the MIT sailing community

# Our last boat: X-Dimension



- 1973 C&C 43 Custom
- 43 feet length
- 7.5 feet deep
- 58' feet tall



# Our current boat: Mashnee



- 1903 Herreshoff BB30
- 46 feet on deck
- 50+ feet overall
- 7.5 feet deep

# MASHNEE in 2004



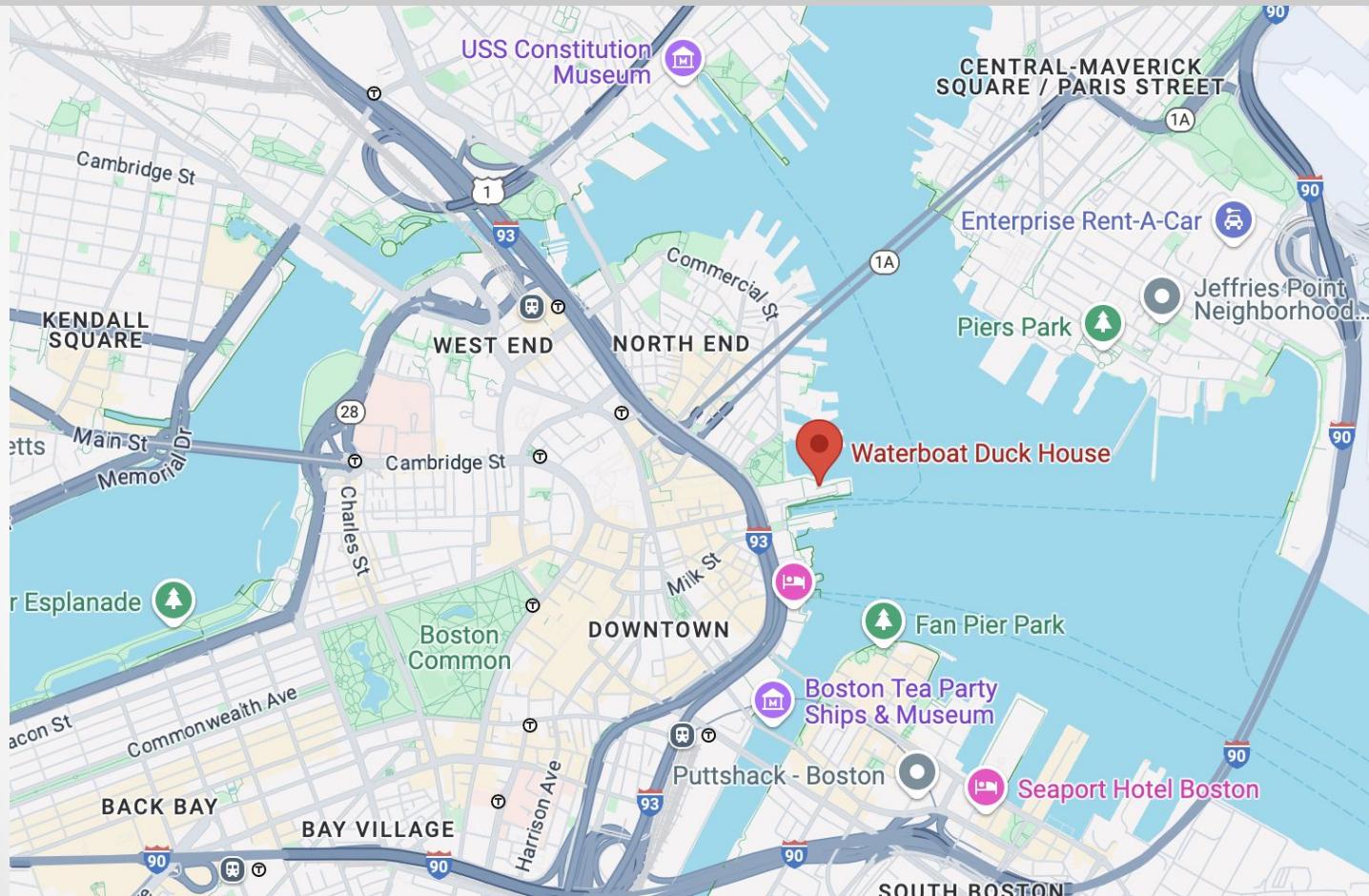


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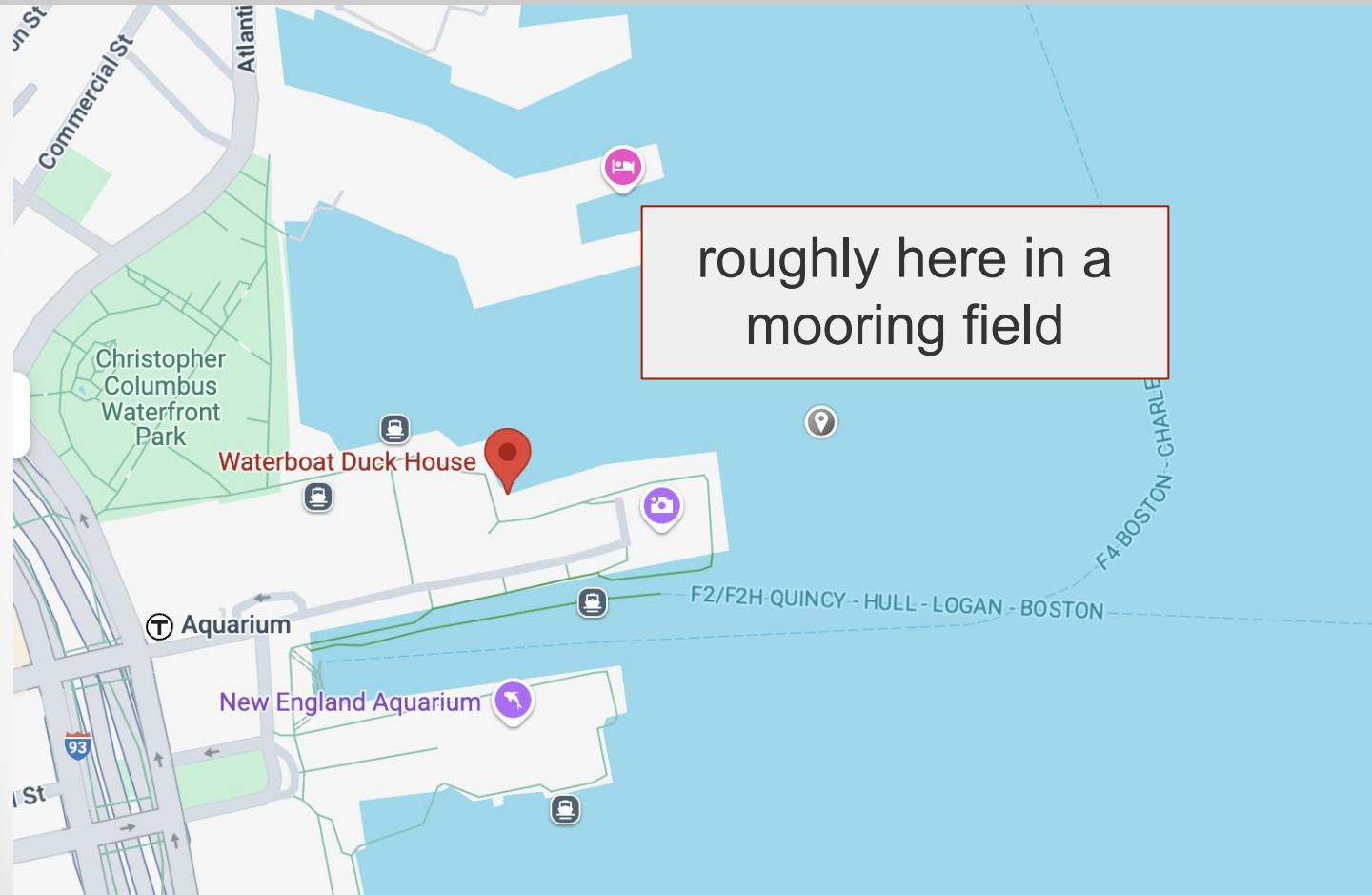
# Mashnee



# Where is Mashnee?



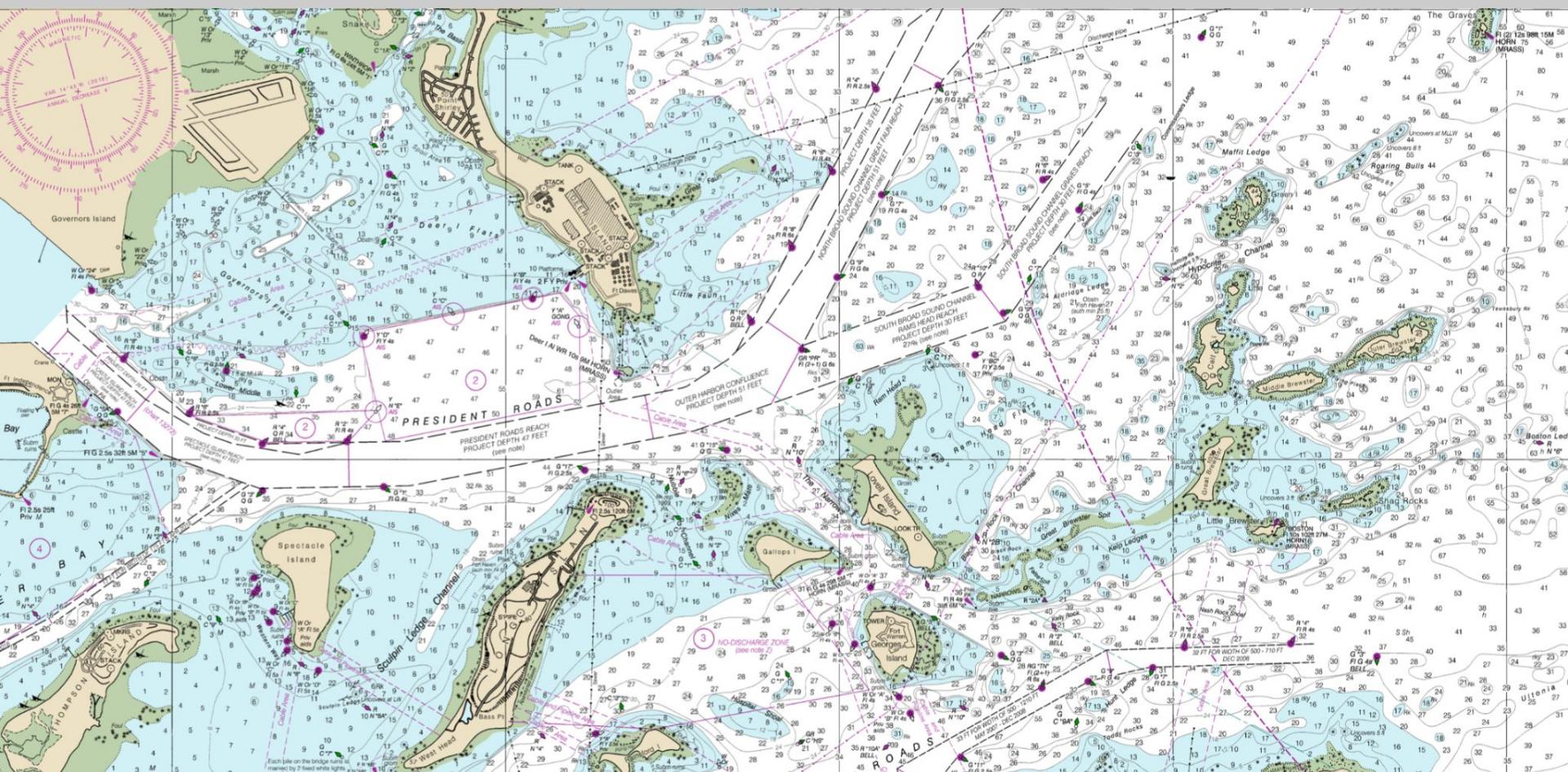
# Where is Mashnee?



# Where is Mashnee?

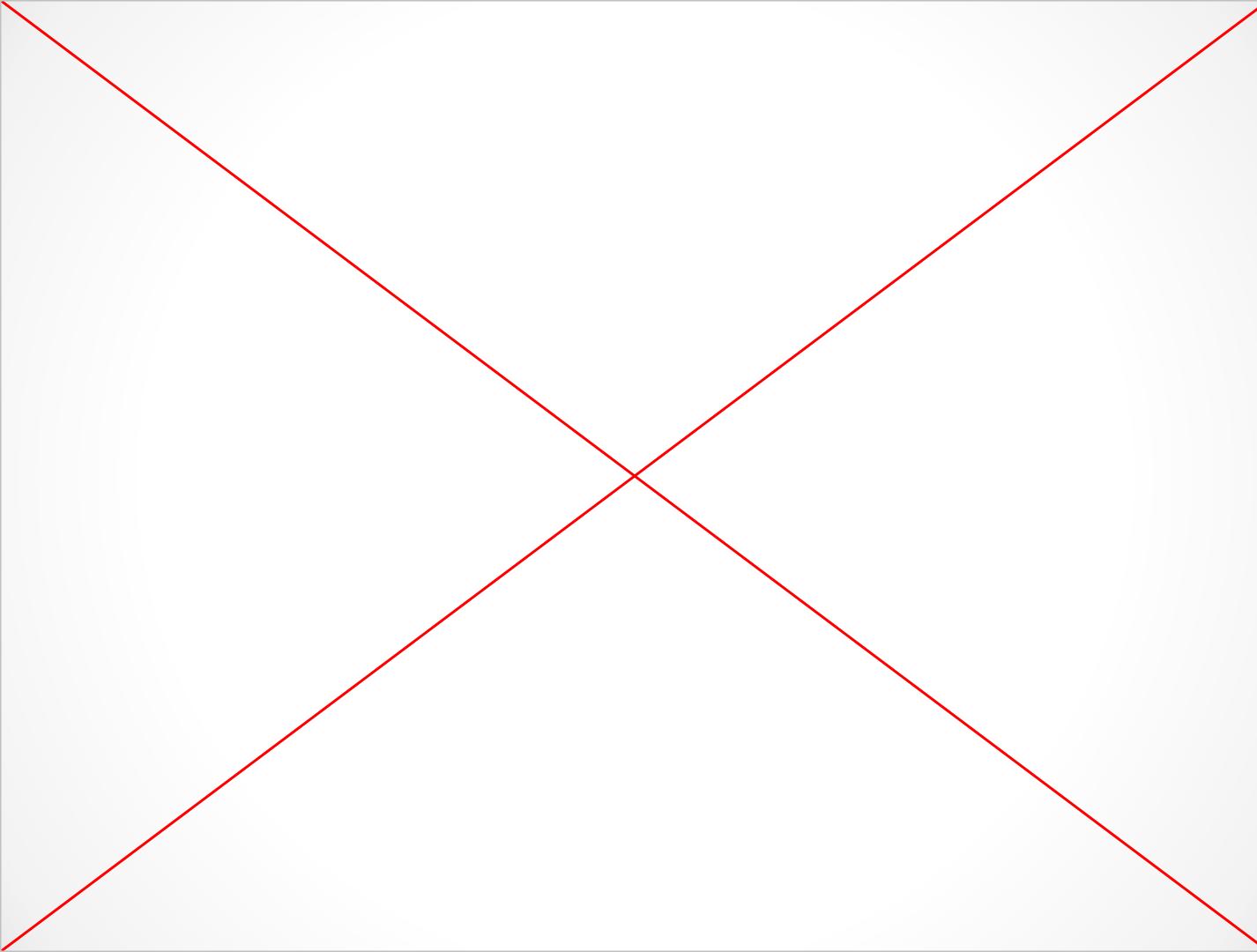


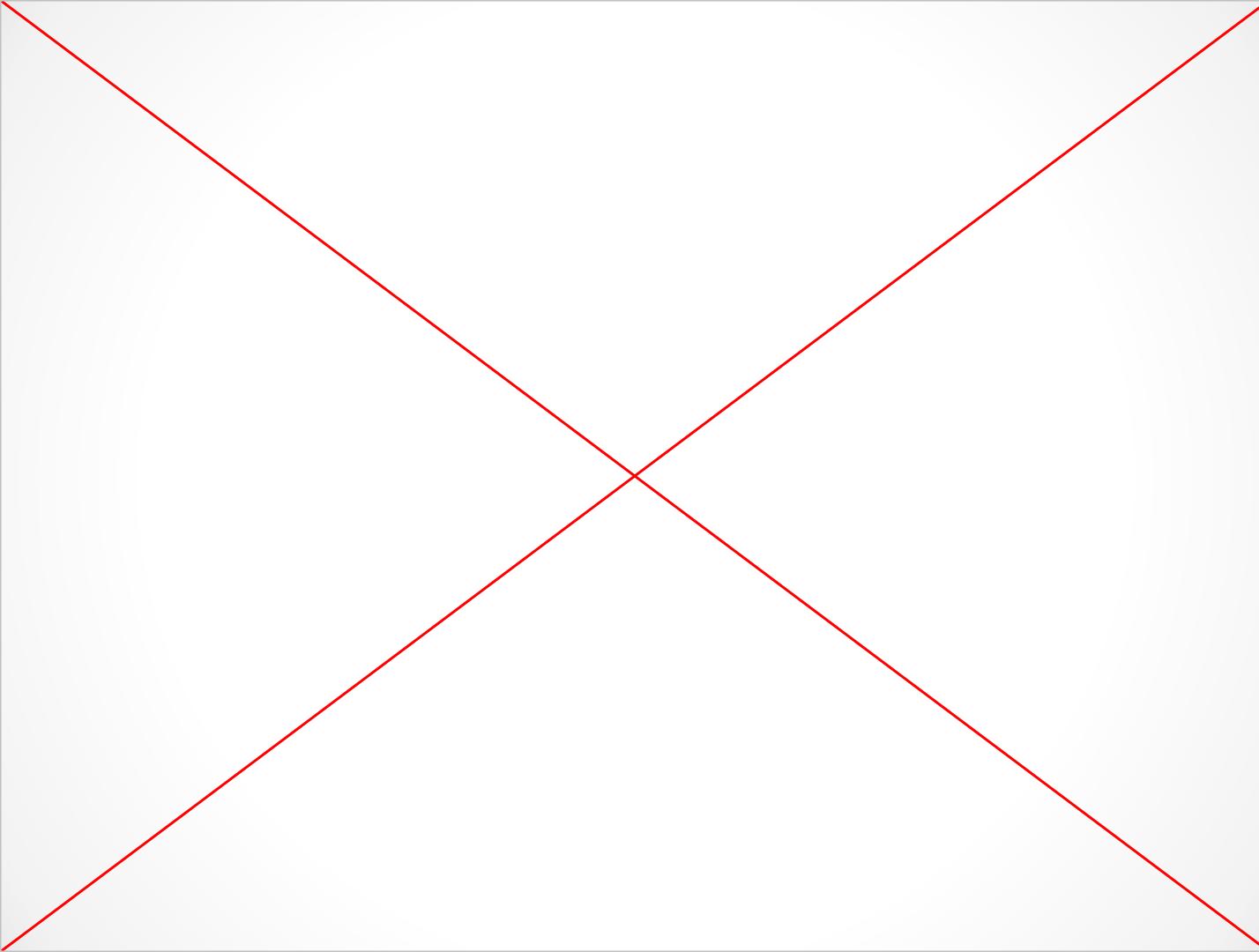
# Where we sail



# What we do with Mashnee

- Harbor island cruises
  - evenings and weekends
- Training sessions
  - usually evenings during the week
- Racing
  - Wednesday evening and weekends (last year also race in Newport)
- Women's sail and women's racing coming next season
- Night sailing
- Longer trips
  - e.g. Gloucester, Maine, P'town, Newport
  - camping island trip
- Work days
- Social events
  - e.g. bar/restaurant after sailing, island book club, flotilla







Picture credit: Mark Landry

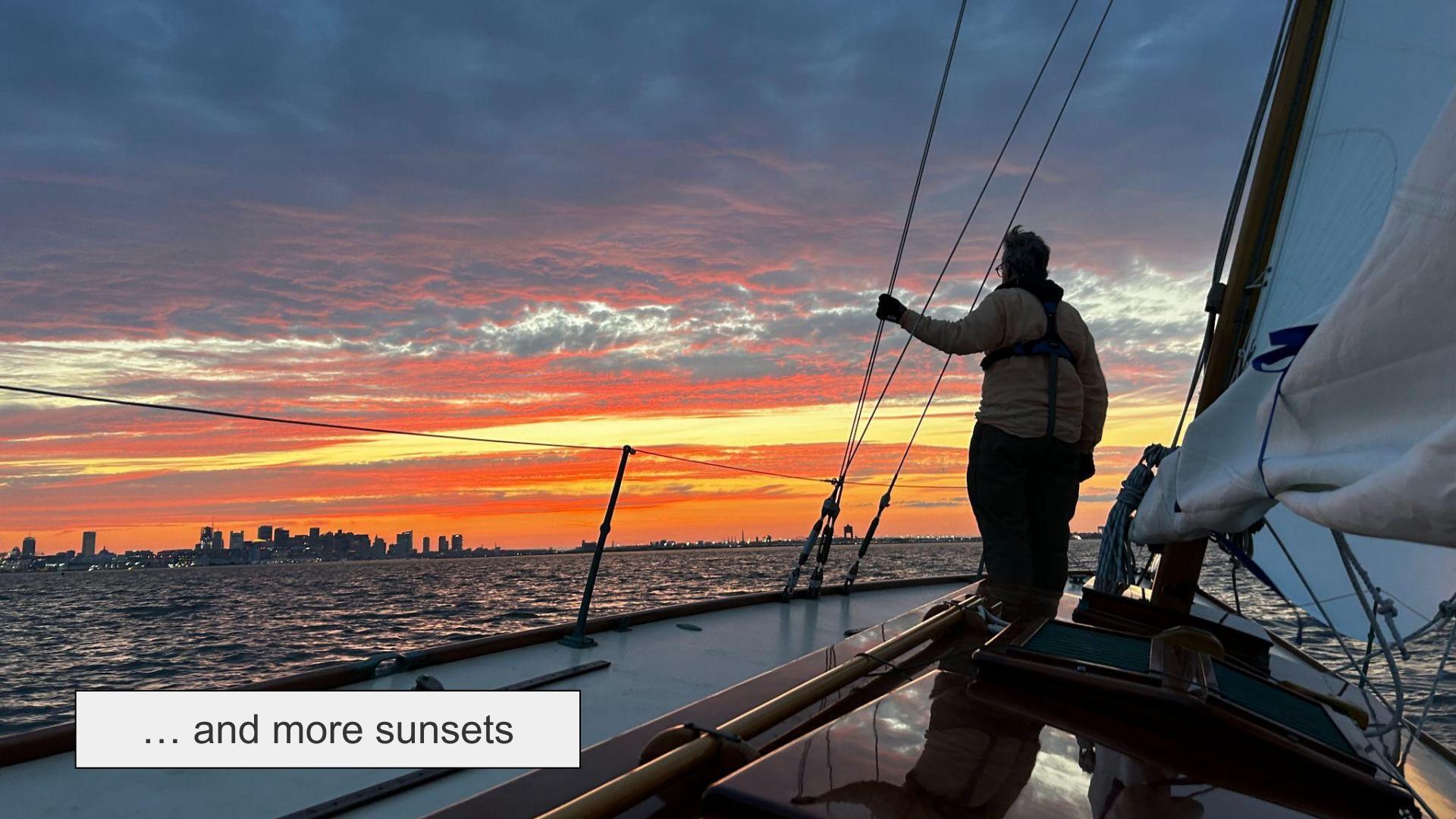








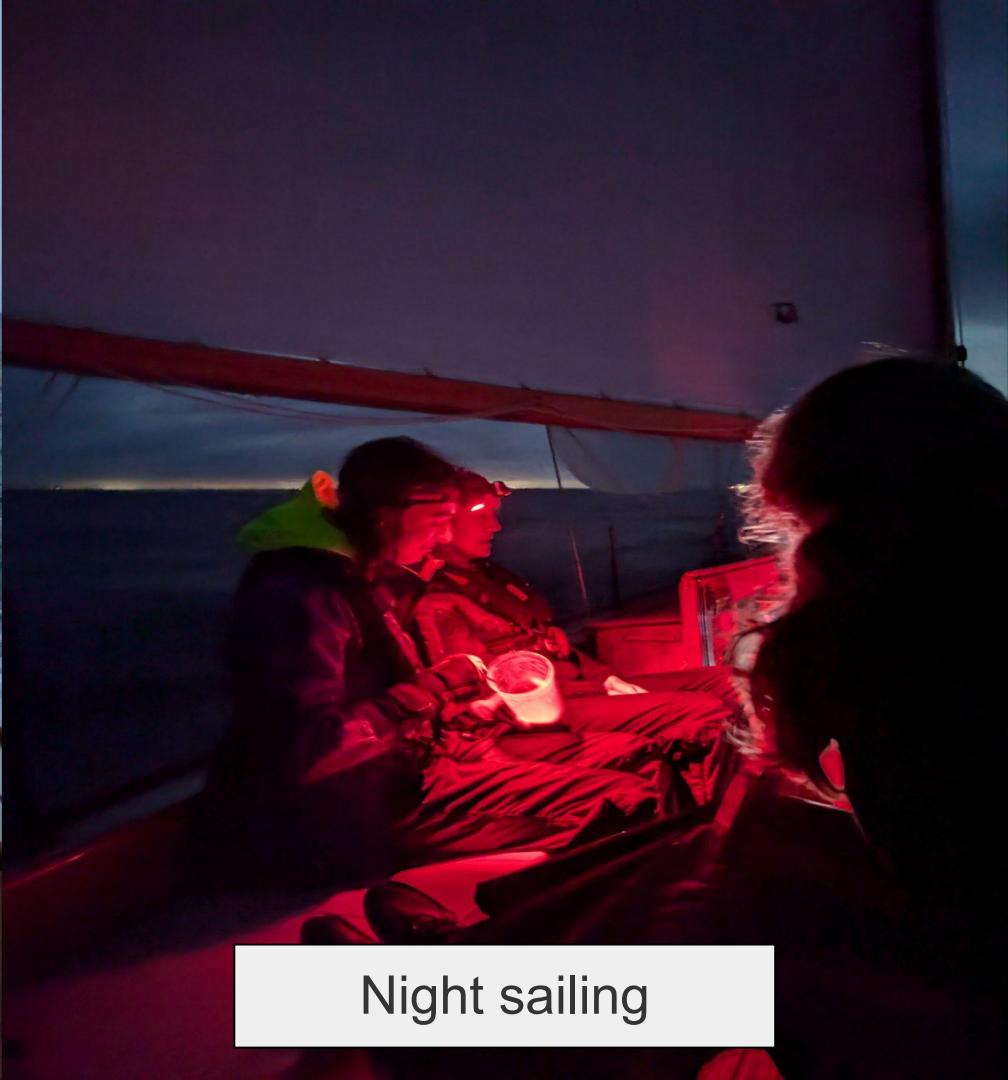
Lots of sunsets...



... and more sunsets





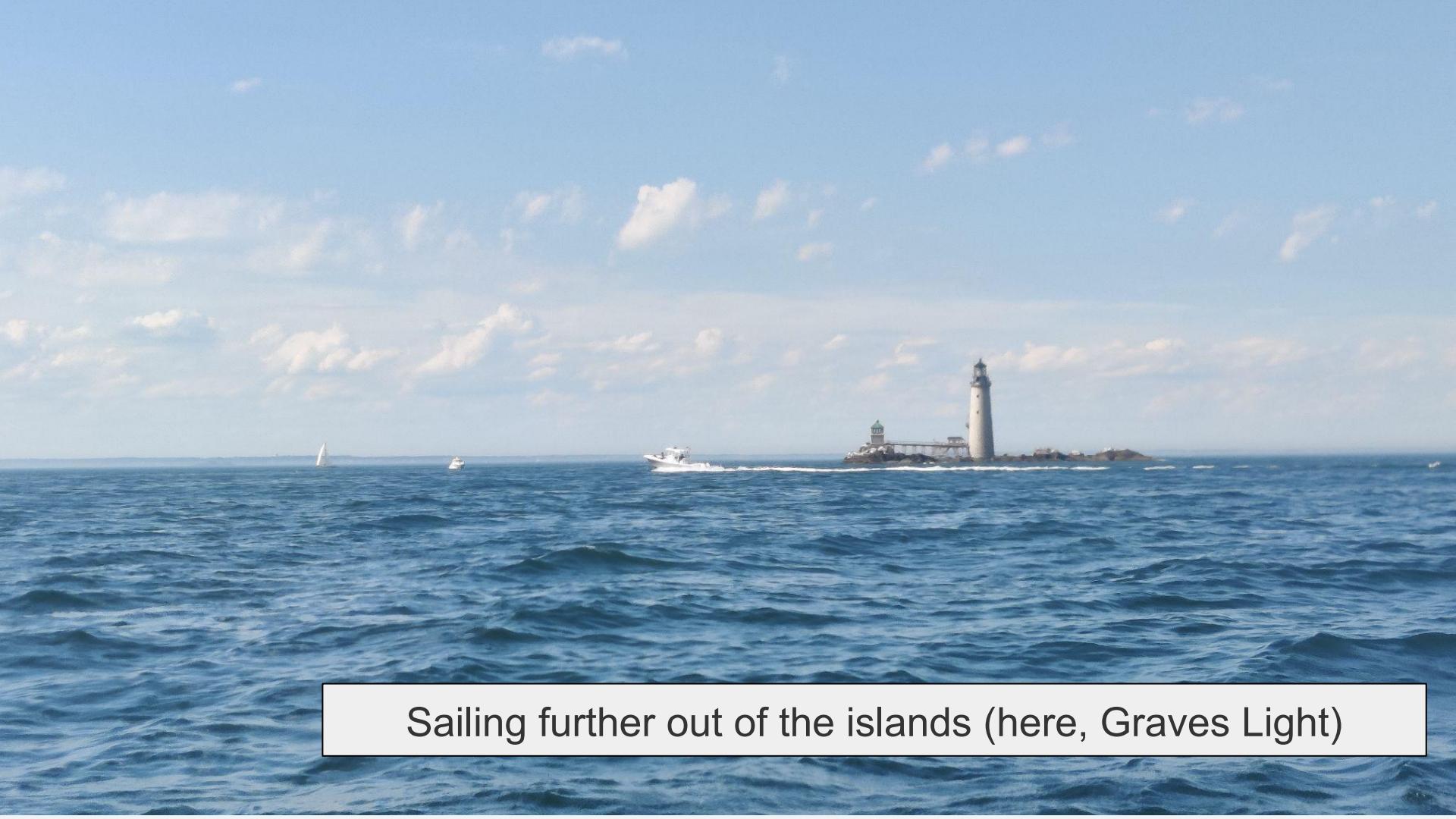


Night sailing





Δ  
A7



Sailing further out of the islands (here, Graves Light)



Longer trips require provisioning planning  
(which this seagull would have loved to eat as well...)

A photograph of a boat on the water. In the foreground, a white dinghy is being pulled alongside by a rope. The water is slightly choppy. In the background, another boat is moving across the water, creating a wake. A large red and white flag is flying from a mast on the right side of the frame. A white radar dome is mounted on the mast. The sky is clear and blue.

Sometimes we take the dinghy with us  
(e.g. to explore islands)



Last year's camping trip



We also sometimes sleep on the boat  
(more or less comfortably)

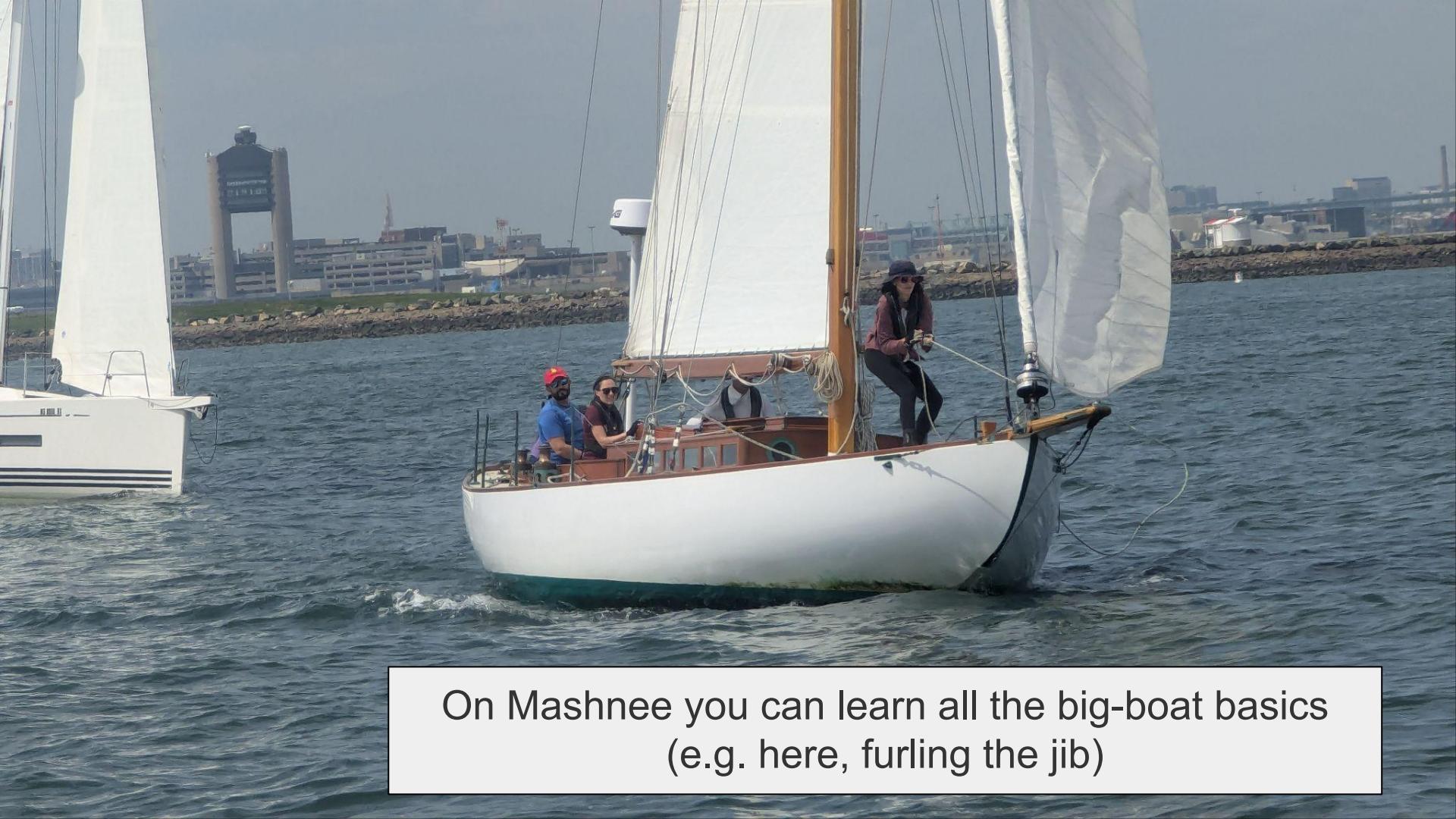




We only sail in fair weather conditions with winds up to 20 kts



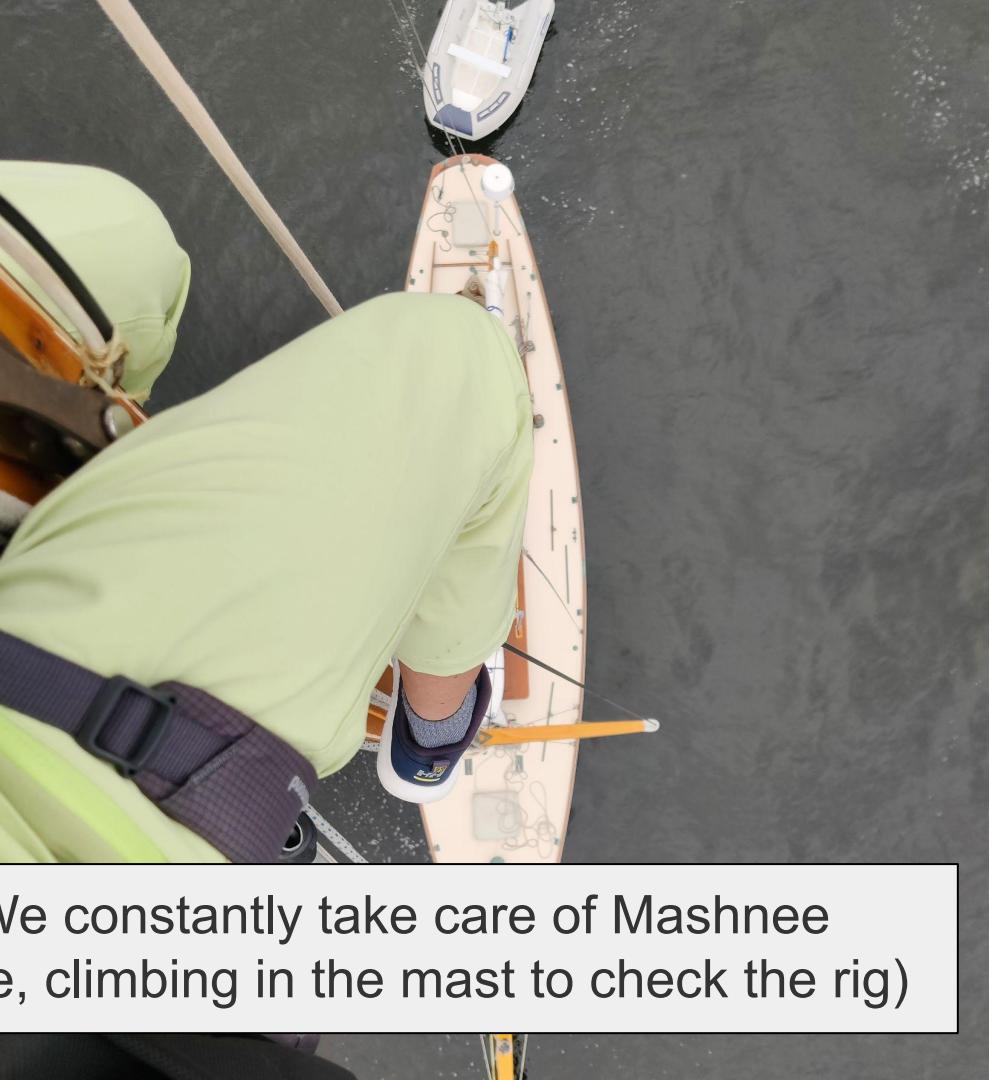
We still sometimes end up in the rain...



On Mashnee you can learn all the big-boat basics  
(e.g. here, furling the jib)



We also practice maneuvers  
(e.g. here, docking)



We constantly take care of Mashnee  
(here, climbing in the mast to check the rig)



Racing on Mashnee





Lots of boats in the harbor participate in the races









In races, we regularly make use of the spinnaker



This season, we'll also have a ladies team  
(here, a women's sail from last season)





But besides trying to go fast, most importantly we have fun as a group :)





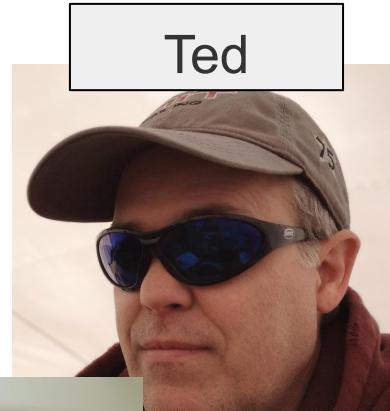
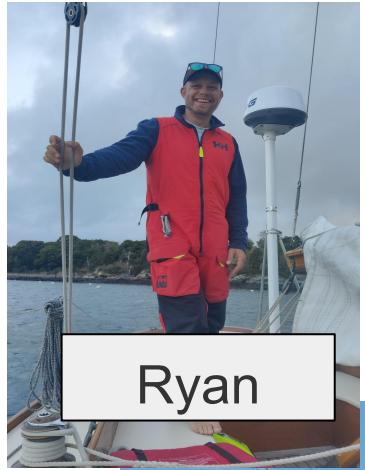
We celebrate



And we do relaxing trips as well



# Last-season's skippers

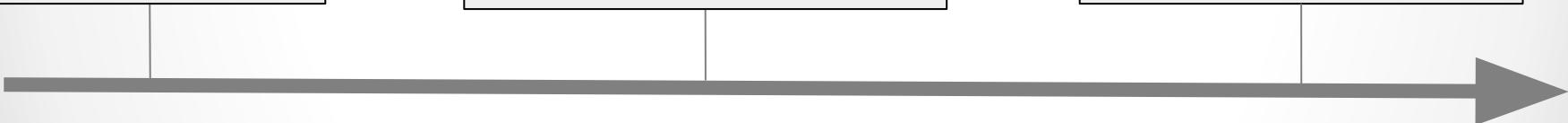


# Season timeline

**January:** IAP  
& Day  
Skipper  
Theory

**April - October:**  
Sailing on  
Mashnee

**Fall and winter:**  
Maintenance  
works on  
Mashnee



# Making progress towards competent crew

- check off key big boat sailing skills on the crew sheet (can download and print out)
- also keep sailing on the river as well!
- do official courses outside of MIT
- sail on other boats

Name:

To obtain the Bluewater Crew rating, sailors should (A) complete 1 endorsed Cruising course or the NauticEd online course, (B) complete at least 1 on-the-water class, (C) participate as crew in at least 2 pleasure sails. Between B & C, each skill in the below "skills checklist" must be "covered" and "checked off."

A. Course material. Complete ONE of the courses below:

Course	Completion Date
NauticEd.org Skipper Course (use "MITNAXD" discount code)	
ASA 103 "Basic Coastal Cruising" or US Sailing "Basic Cruising"	

B. On-the-water class. Successfully complete at least ONE class aboard MASHNEE:

Date:

Instructor:

C. Pleasure sails. Participate as crew in at least TWO (but often **5 or more**) sails aboard MASHNEE

Date:	Date:
Skipper:	Skipper:
Signature:	Signature:

Basic Operation	Cover	✓ Off	Safety	Cover	✓ Off
Mooring Approach / Departure			Working w/ new sailors		
Raising & Lowering Mainsail			Radio Procedures		
Unfurling & Furling Foresail			Location & Use of fire extinguishers		
Reefing Mainsail			Location & Use of PFDs & Throwables		
Basic Sail Trim			Crew overboard		
Tacking			Distress signals		
Gybing			Checking and emptying the bilges		
Assisting with Docking			Familiarity w/ layout of Boston Harbor		
Use of Head			Safe Winch Operation		
Dinghy Operation / Driving			Running Backs		
Knuts: Bowline			<b>Navigation</b>		
Cleat Hitch			Familiarity w/ Layout of Boston Harbor		
Rolling Hitch			Rules of the road		
Stopper Knot			Coastal piloting using nautical chart		
Clove Hitch			Aids to navigation		
Sail Tie Slip Knot			Knowledge of boat's draft (8'4")		
Coil & Heave Line			Use of GPS chartplotter		
Starting & Stopping Engine					

# Agenda

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- **How can you get involved?**
- The bluewater boat: the basics and the experience

# How to get involved

- Stay up to date with posted sails:  
Sign up to the bluewater email list
- Sign up for events on the calendar  
(no experience necessary!)
  - without experience, best to sign up for harbor cruises and training sessions
- Skippers will pick crew with a range of experience

## Mashnee Thursday Evening Harbor Sail

Thu 29-Aug-2024 17:30-20:30  
Registration Start: 23-August-2024 at 00:00  
Registration End: 27-August-2024 at midnight

### Entries

REG #	LAST NAME	FIRST NAME	STATUS
1	LIU	CHUNWEI	Confirmed
3	KRAMER	KELBY	Pending
4	Augustin	Teresa	Confirmed <a href="#">edit</a>
5	CHAN	WEI TING SAMANTHA	Pending
6	Perinelli	Giuditta	Pending
7	Kelley	Andrew	Confirmed
8	YAMOAH	MEGAN	Confirmed
9	Barry	Dylan	Confirmed
10	CHAVEZ	EDITH	Pending
11	TRAN	NHAN-AN	Confirmed
12	MCCUTCHEON	AARON	Pending
13	HERRERA ARIAS	LUIS FERNANDO	Pending

### Cancellations

REG #	LAST NAME	FIRST NAME	edit
2	WENZEL	GABI	<a href="#">edit</a>

### Organizers

Questions about this event should be directed to the organizer(s): [SCOTT DYNES](#)

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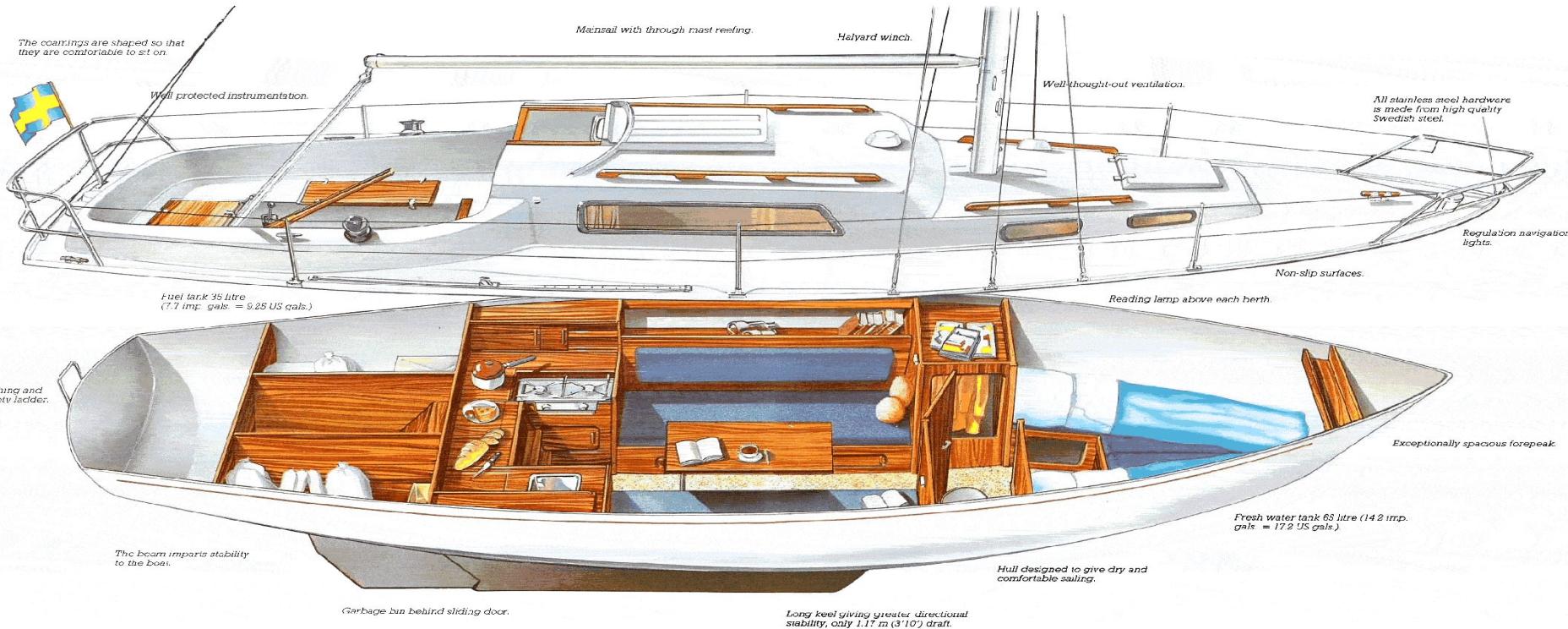
# Let's Look At Boats

- Monohull vs. Catamaran
- Cruiser vs. Racer
- Short, Medium, or Long

# 12' Tech Dinghy



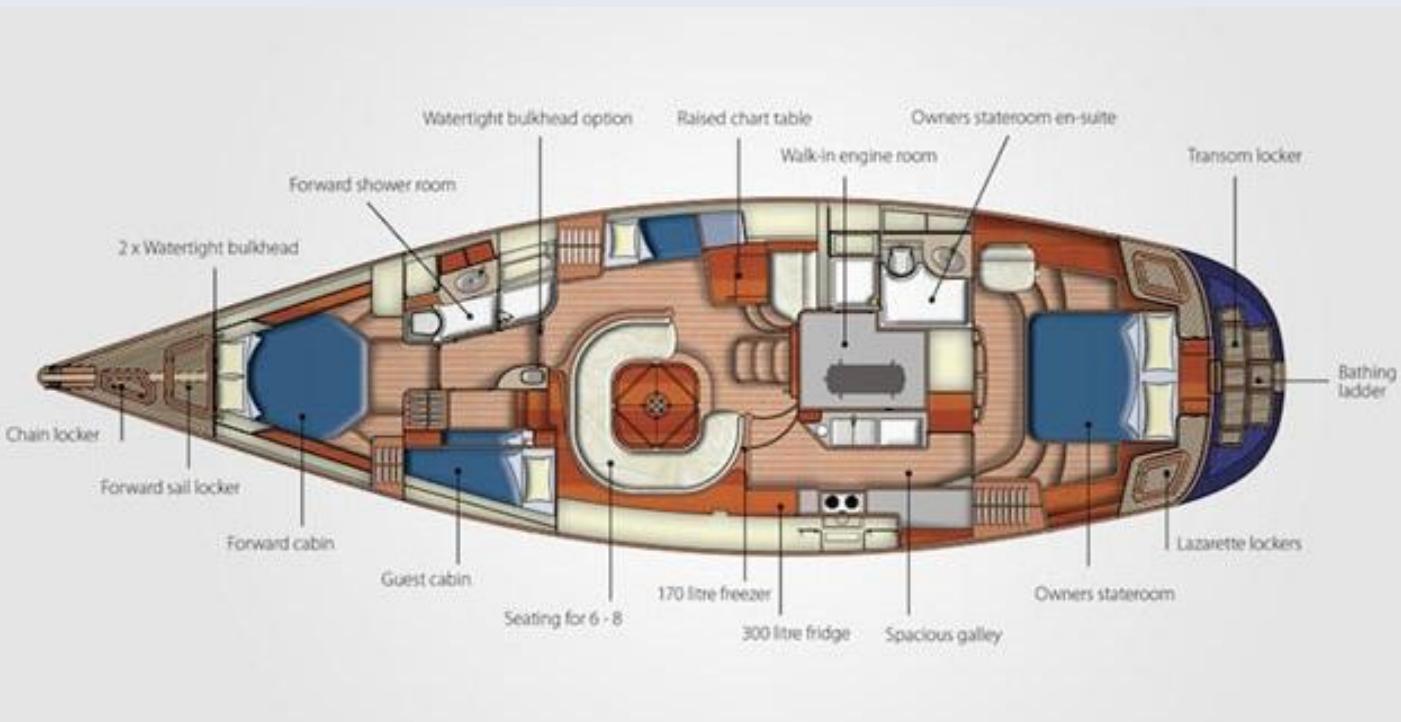
# 27' Monohull



# 37' Monohull



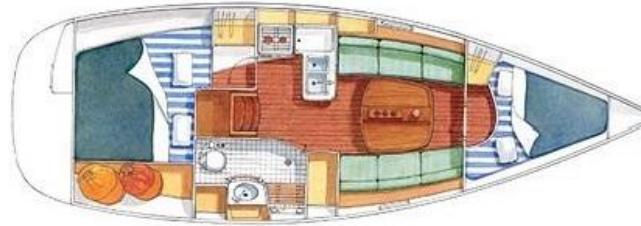
# 55' Monohull



# Catamaran



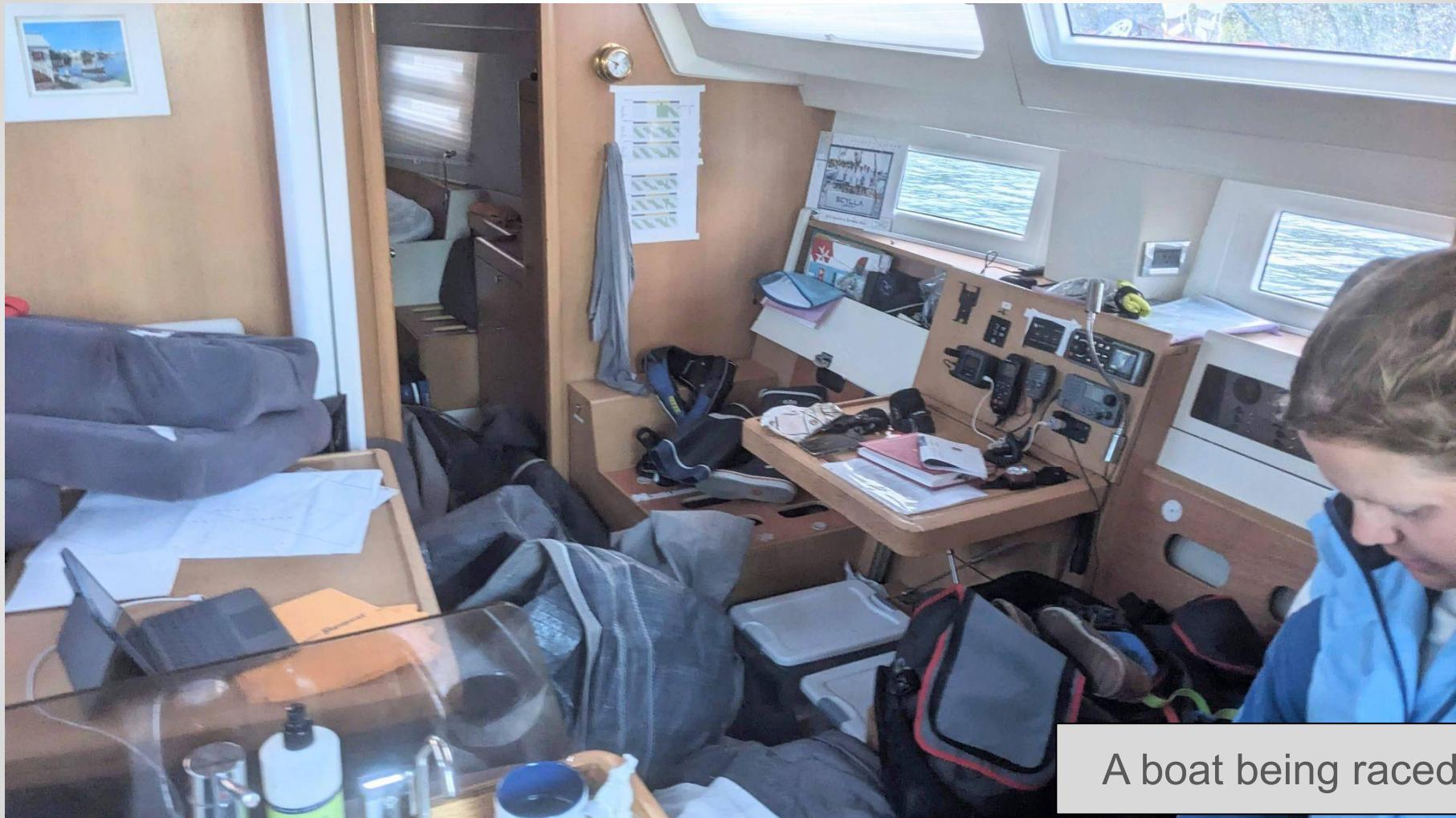
# Oceanis 31







A boat being cruised



A boat being raced



A racing boat

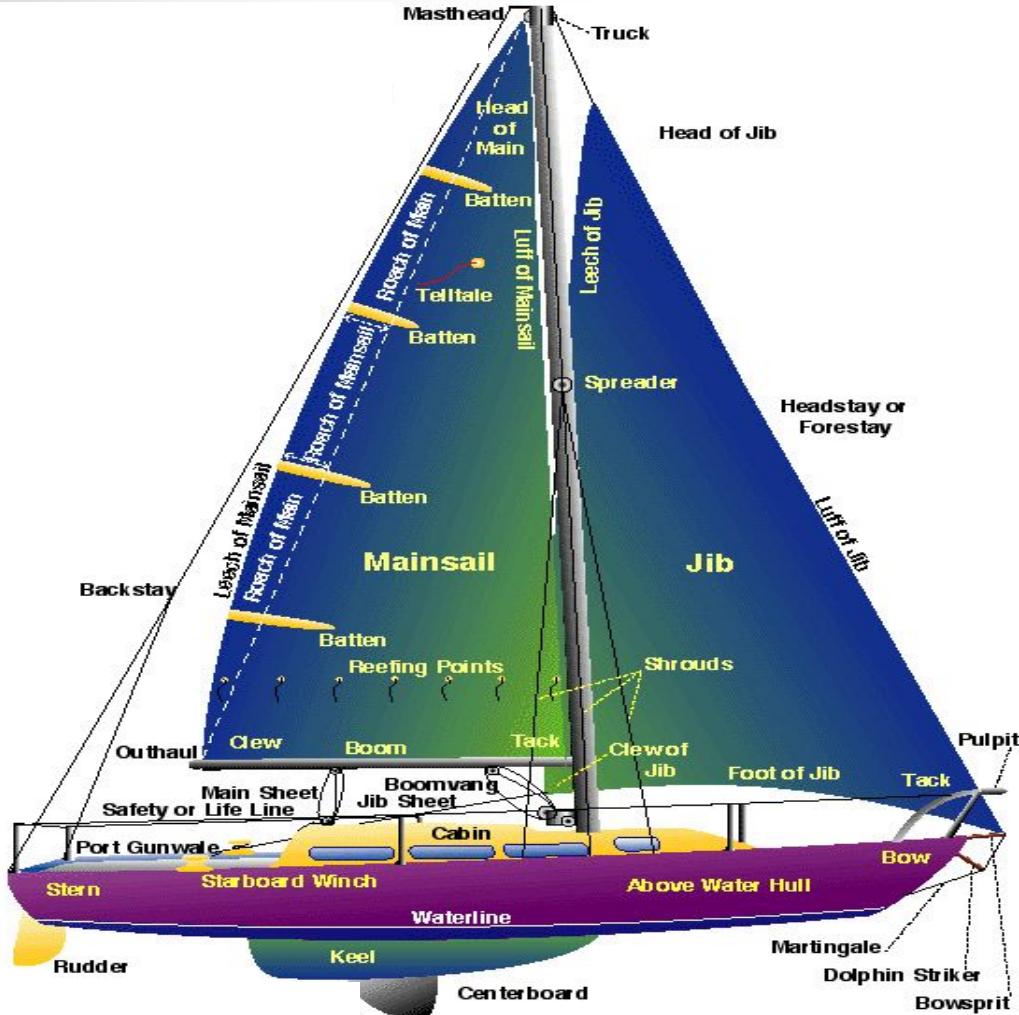
# Boat Systems

- Rigging
- Galley
- Fresh water
- Head
- Bilge
- Engine
- Electrical
- Navigation lights
- Navigation Instruments
- Communications

# Rigging

Older boats will have stainless standing rigging, new boats might have carbon rigging.

Many boats will have Dyneema/Spectra running rigging



# Galley / Fresh Water



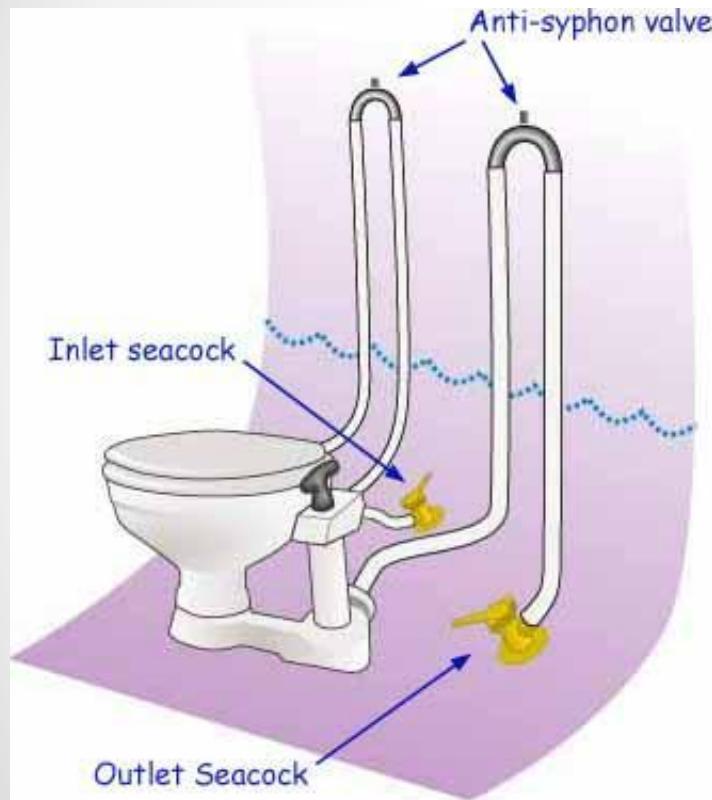
# The Head



## Keys to success:

- No standing - sit for everything
- Only organics get flushed
- Use fresh water - no smell

# The Head



# The Head

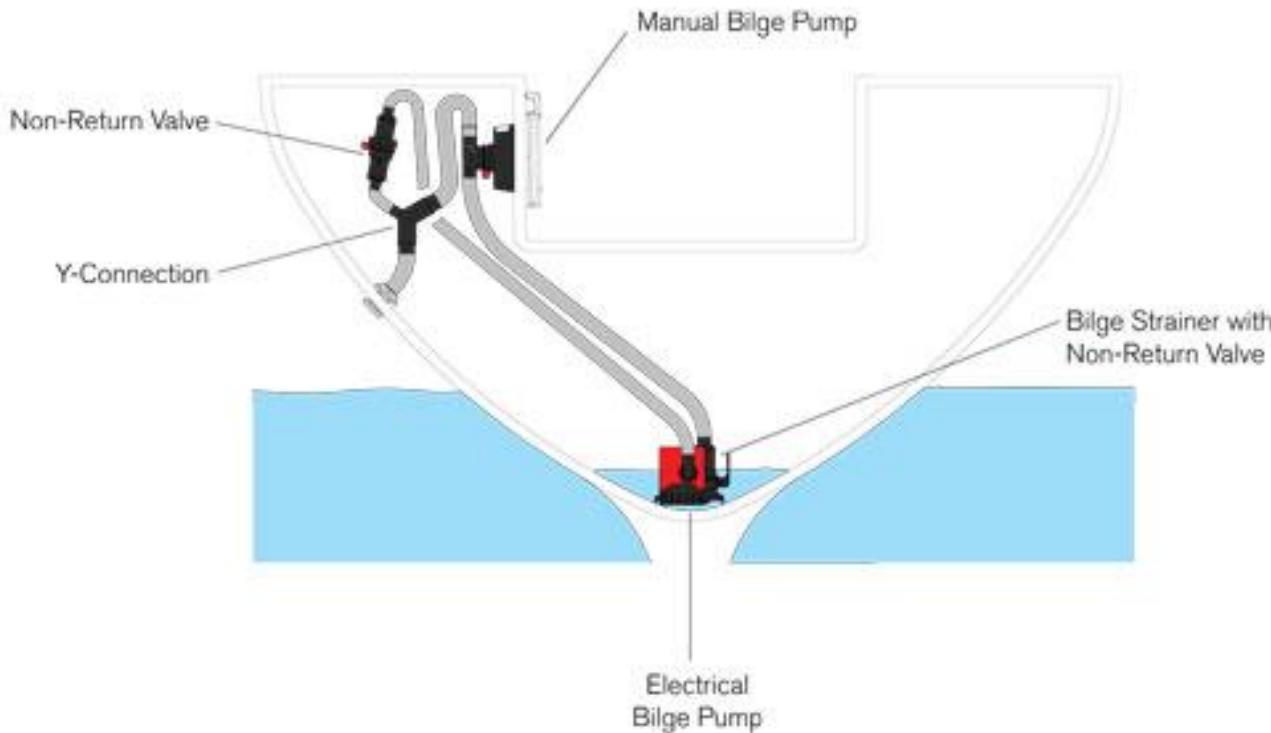


# The Bilge



# The Bilge

Bilge Pump System



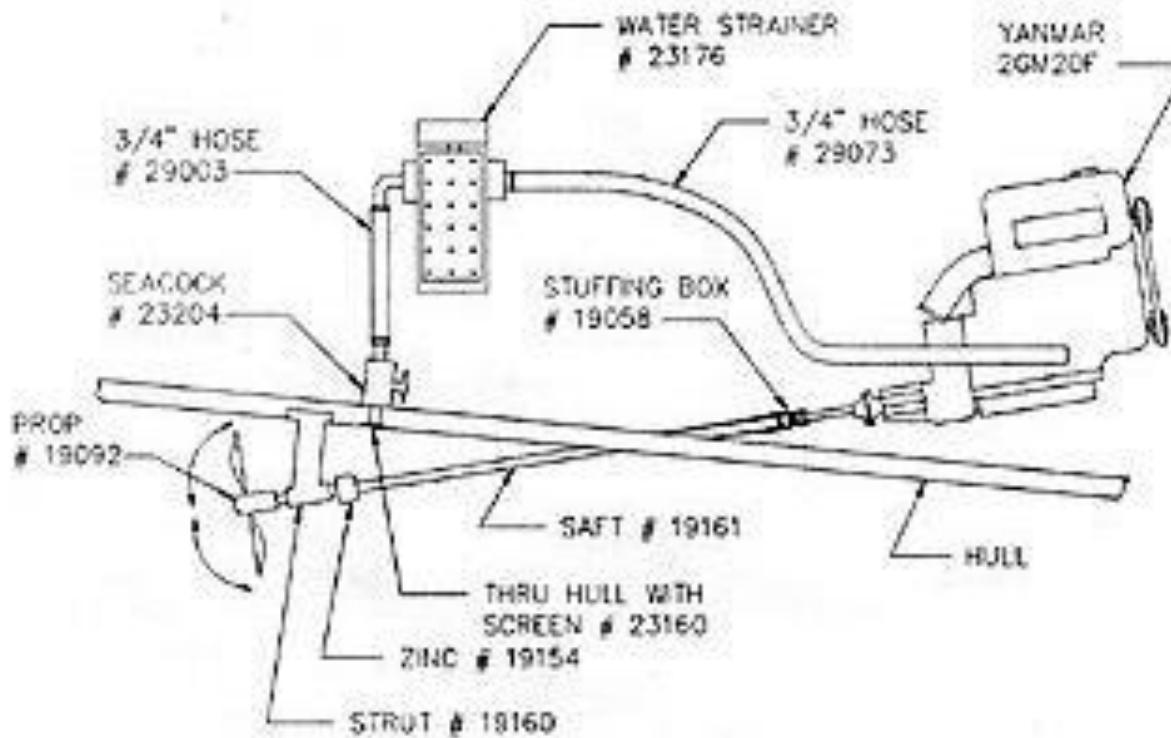
*Image Courtesy of Johnson Pumps*

# Engine

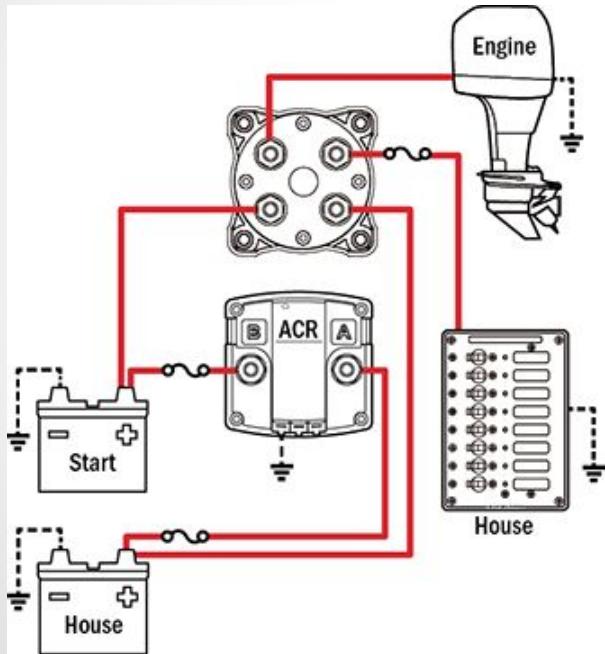
Outboard



# Engine



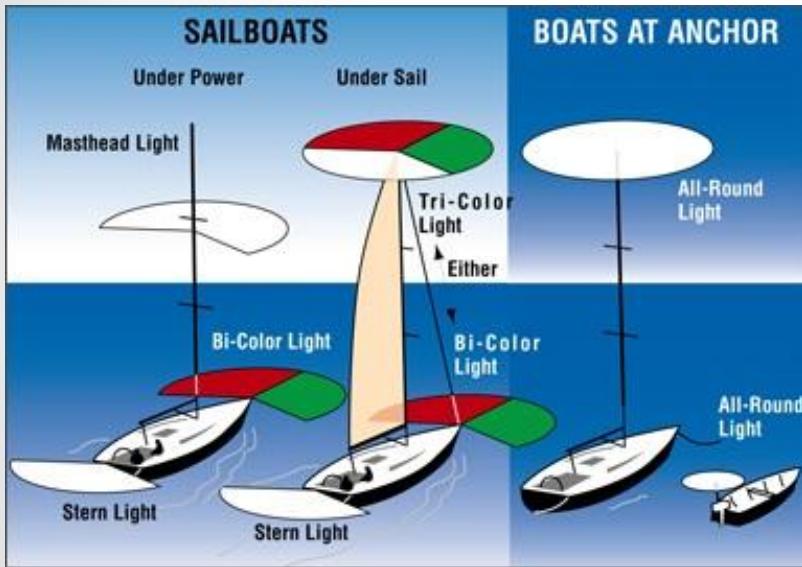
# Electrical



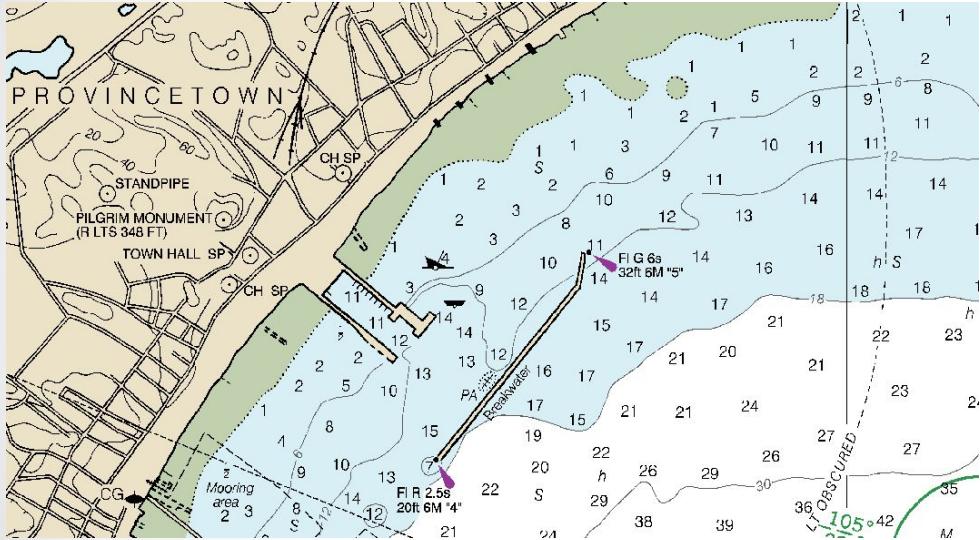
# Electrical



# Navigation Lights



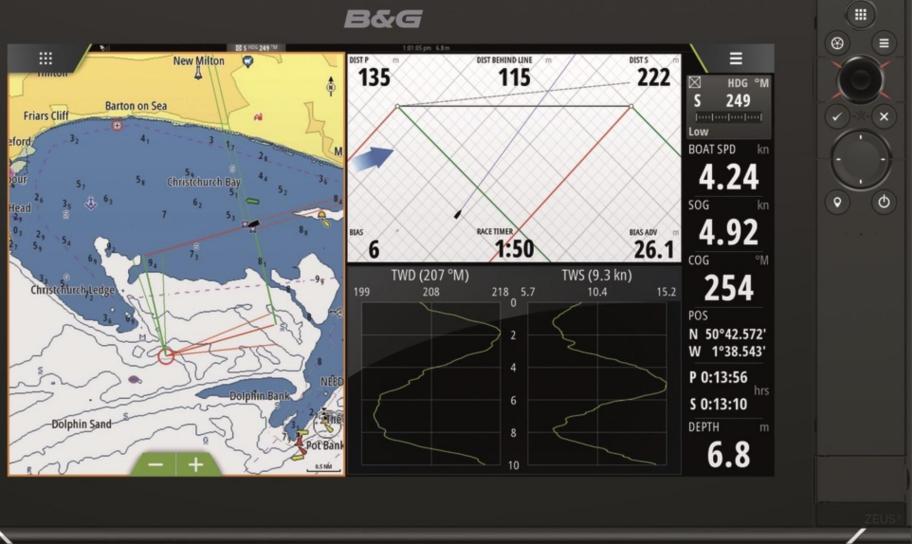
# Navigation Instruments



Old School



# Navigation Instruments ...today



# Communications



**Channel 16:** International Distress, Safety, and Calling

**Channel 68, 69, 71, 72:** Ship-to-ship communications

**Channel 13:** Bridge-to-bridge communications

# Life Aboard



# What To Bring?

## Clothing (layers!)

- It might get cold
  - Hat, gloves, base layers
- It might get hot
  - Sun cover, sun glasses, swim gear
- It might rain
  - Jacket, overalls, boots

## Other

- Toiletries
- Sunscreen, lip balm
- Medication, aspirin, etc.
- Camera
- Phone and car charger
- Down time entertainment
  - Books and games

# Sea Sickness



# Crew Positions

Fundamental positions

- Skipper
- Helm
- Jib Sheet(s)
- Main Sheet / Traveler
- Navigation

On multi-day trips...

- Galley Cook
- Standing Watch



# Two Knots To Know

Bowline



Cleat Hitch



# Basic Safety

- Walking around the boat
- Skipper's safety instruction
- PFD (aka life vest)
  - Clipping into a jackline
- Crew overboard procedure
  - Shout, Point, Throw
- Calling for help
  - Ch 16: Mayday, mayday, mayday
  - Flares, horn, smoke, yell

# What Next?

- Keep coming to this IAP series
- Join the Bluewater mailing list
- Find a friend with a boat.



# Contact

Teresa: [teresa.augustin18@gmail.com](mailto:teresa.augustin18@gmail.com)

Scott: [scott@dynes.org](mailto:scott@dynes.org)