



Emergency Procedures

Objectives

- Identify likely causes of casualties
- List tools needed to fight casualties
- Identify immediate actions, follow-up actions and possible impact on boat.

Avoidance

- Be prepared
- Avoidance
 - Training
 - Material condition
 - Planning

Rousmaniere's Seven Factors (to avoid)

SWO's Perspective



- Know your backups, and never run out of backups
- When something goes really wrong, it's usually the result of a compound failure

Approach to Casualty Action

- Immediate Actions
- Evaluate
- Call for help as indicated

Sailing Emergencies

- Grounding
- Steering Failure
- Rigging Failure (Dismasting)
- Flooding
- Fire

Grounding: Prevention

The Navy Comes Ashore At Wasque

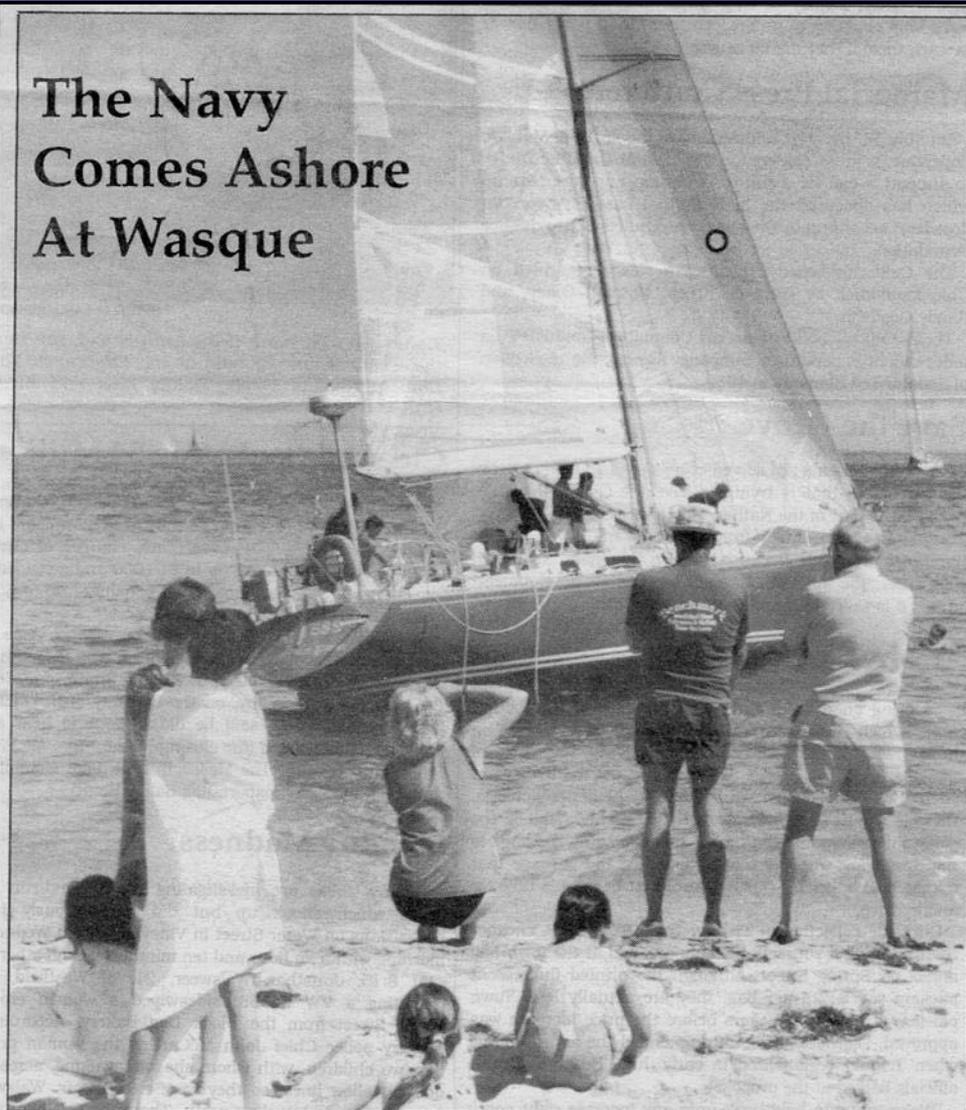


PHOTO BY NELSON SIGELMAN

The sloop Fearless from the Naval Academy at Annapolis, racing in the Edgartown Regatta, ran aground on a sandbar off Wasque Point, and there it stuck. Whoops.

Grounding Indications



Grounding- Immediate Actions



Grounding- Self Rescue

- Flooding?
- Accept a tow
- Use Sails/Engine
- Wait
- Kedge with anchor*



Steering Failure



- Control Sails
- Avoid gybing
- Repair or Rig Alternate Steering Mechanism

Steering Failure



Rigging Failure- Immediate Actions

- Broken Shroud



Rigging Failure

- Broken Headstay



Rigging Failure-Immediate Actions

- Broken backstay
 - Probable dismasting



Rigging Failure-Immediate Actions

- Dismasting



Rigging Failure-Dismasting

- Subsequent Recovery

Severe Flooding

- If you detect flooding...

Severe Flooding

- Pumps and Buckets
- Ensure Bilge is Clear

Leaks

- Monitor bilge (log)
- Investigate
- Consider engine salt water system
- Close non-essential sea cocks
 - Check head intake
- Check stuffing box

Sinking



Fire

- Sources onboard
- Fight fire; set reflash watch

Fire Classes and Extinguishing Agents

A

B

C

D

Engine Fires- Halon

- If engine shuts down without warning suspect a halon discharge
- Allow to cool before opening engine compartment

Distress Signalling

- EPIRB
- Flares and Smokes
- Radio Signals
 - Mayday Mayday Mayday
 - Describe Situation
 - Describe boat important features
 - Repeat

Objective Review

- What are the likely causes of casualties?
- What tools are needed to fight casualties?
 - flooding, grounding, fire, dismasting, rigging failure, steering, abandon ship
- What are the immediate actions, follow-up actions and possible impact on boat due to casualties?

A background image featuring a clear blue sky with wispy white clouds at the top. Below the sky is a vast, deep blue ocean. A bright sun is positioned on the left side of the horizon, creating a shimmering white reflection that extends across the water's surface.

QUESTIONS?