

# *Antennas Mast Status Update for US Coast Guard Auxiliary, Flotilla 34*

Mara Hansen's Quartermaster Project  
Boatswain, Ship 238

August 5, 2026

Presented by

Mara D Hansen

Carlos M Arenas

## About Me



### Mara Danae Hansen

**Boatswain, Sea Scout Ship 238**

**Rank: Able**

**School: North Broward Prep  
Class of 2027**

**GPA: 4.31**

**SAT: 1340**

**Volunteer Hours: 572 hrs**

**AP Scholar with Distinction**

**National Honor Society**

**Member**

**Order of Arrow Member**

**Scuba Club Vice President**



### Skills

- NAUI Master Diver
- Over 100 Dives
- Became a Jr Rescue Diver at 14
- Over 70 Days living on a Catamaran in Caribbean (over 3 years)
- Rebuilding 2 Catalina Capri's

### What I love about Sea Scouts

- I love getting the opportunity to teach people

### Favorite things

Boxing  
Compass

Trucker's  
Hitch

Sailing

### What is a Quartermaster Project?

While an Able Sea Scout, plan, develop, and demonstrate leadership to others in a service project that is helpful to any religious institution, school, or your community. The project plan must be approved by your Skipper and ship committee and approved by the council or district advancement committee before you start. This service project should involve your ship and at least one other group.

### Why I want to be a Quartermaster?

- Currently only Sea Scout to have three stripes in Elgixon
- Follow through on something I have spent three years building towards
- To show my scouts it's possible

## Project Description

The project I'm planning is the set up of a mast about 40 feet tall to be located by the west wall of the Coast Guard Auxiliary, Flotilla 34 building at the Alsdorf Park Boat Ramp in Pompano Beach.

This mast will allow the use of multiple antennas on the following bands

**0.3-3 MHz**

Medium Frequency

**30-30 MHz**

High Frequency

**30-300 MHz**

Very High Frequency

**0.3-3 GHz**

Ultra High Frequency

## Bands to be Supported

**MF**

**HF**

**VHF**

**UHF**

# ***Project Updates since last meeting***

- ★ Completed site survey
- ★ Worked with Project team to determine all Materials needed
- ★ Updated and Finalized Materials List - We needed more!
- ★ Created a Cost based on Actual Prices of Materials
- ★ Received Donations to support costs
- ★ Created Quartermaster Workbook
- ★ Submitted QM Proposal to South Florida Council



# Who will build it?



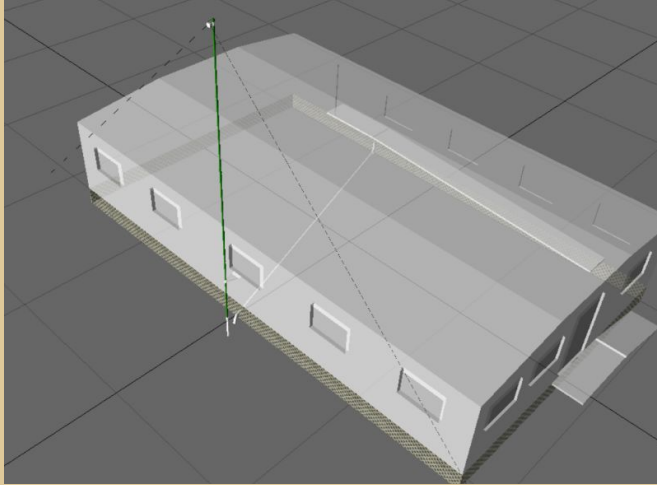
*Ship 238 now 14 Youth  
members strong*



## AND....USCGAUX, FLOTILLA 34!



# Materials Needed with Costs



**Total Cost: \$624.32 + tax**

| Material                     | Quantity | Total Cost |
|------------------------------|----------|------------|
| 10 feet PVC pipe 2" diameter | 8        | \$239.30   |
| Copper Ground Rod            | 2        | \$51.80    |
| 12" x 12" x 6" Junction Box  | 2        | \$112.96   |
| 2" 90-Degree Elbow PVC       | 2        | \$11.96    |
| 2" PVC Fitting               | 2        | \$6.22     |
| 2" PVC Fitting Nut           | 2        | \$3.40     |
| PVC Solvent Cement           | 1        | \$6.53     |
| Solid Copper Ground Wire     | 30       | \$56.40    |
| Sealing Putty                | 1        | \$13.98    |
| Fast Setting Concrete Mix    | 3        | \$21.51    |
| Gravel                       | 2        | \$9.96     |
| Rebar                        | 2        | \$34.52    |
| 1x12 4ft Common Board        | 4        | \$55.78    |

# *Donations - Thank you!*

*USCG Aux Flotilla 34*

\$232.32

*Emmanuel Nina*

\$382.02

*Total Donations:*

*\$614.04*

# Timeline & Next Steps

1

## Share Plan w/Flotilla

April 2026, Shared initial plan and received support and approval!

4/8/26

2

## Finalize Details

Finalized Details, including budget and efforts, and submitted proposal to South Florida Council for Project Approval

7/15/26

3

## Review Plan

South Florida Council meeting next week for approval. Then will review ask Ship 238 and Flotilla 34 for volunteers to help procure materials, organize actions/roles, and schedule.

8/11/26

4

## Construction

Construction expected to take 2-3 days

TBD

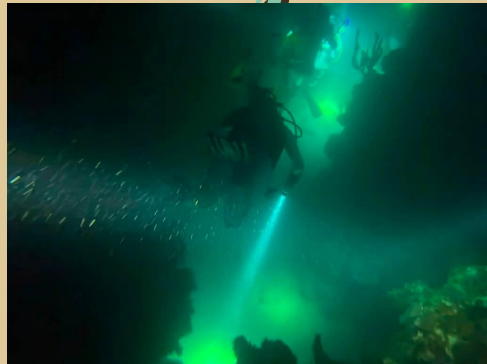
5

## Ground Breaking

Once built, we will have a ceremony to make the first calls!

TBD

# Thank you



Ready for  
what's next?

Mara D. Hansen  
[maradancel@gmail.com](mailto:maradancel@gmail.com)

