

CAPE HATTERAS Mid-Life Update

Start date: October 2002

End date: June 1

Major Improvements:

Renovation of main lab, wet lab, galley, mess, all cabins.

Relocation of deck crane from main deck to 01 deck

Creation of one 2-man stateroom

Replacement of HVAC, water piping

Details:

Table 1. SUMMARY OF ITEMS TO BE COMPLETED

1 Modification	Relocate aft crane from main deck to 01 winch deck
2 Modification	Configure Engineer's storeroom into 2-person science cabin
3 Modification	Relocate hydro winch hydraulics to main deck
4 Renovation	Replace all interior fresh water piping and add recirculating line
5 Renovation	Replace all interior gray water and vent piping above lower deck
6 Renovation	Remove and replace all interior Torginol decking
7 Renovation	Replace existing HVAC/boiler system with new HVAC/heaters
8 Renovation	Replace all interior HVAC ductwork
9 Renovation	Remove existing boiler heating system and all associated piping
10 Renovation	Renovate all science cabins
11 Renovation	Renovate all crew cabins
12 Renovation	Renovate Main Lab - replace counters with island arrangement
13 Renovation	Remove and replace all interior bulkhead paneling
14 Renovation	Remove and replace all interior overhead paneling
15 Renovation	Renovate Mess Area - add table and rearrange configuration
16 Renovation	Replace Galley chiller/freezer units with hermetically-sealed units
17 Renovation	Renovate Wet Lab
18 Renovation	Replace existing engine/throttle controls
19 Renovation	Replace existing helm controls, autopilot, and gyro compasses
20 Renovation	Replace Pilothouse windshield wipers and clear view windows
21 Renovation	Renovate Galley
22 Renovation	Renovate Galley chiller/freezer
23 Renovation	Replace manual searchlights with remote-controlled units
24 Renovation	Replace and upgrade ship's intercom system
25 Renovation	Remove, strip, repaint, and reinstall all interior ladders
26 Renovation	Strip and repaint all interior painted bulkheads
27 Renovation	Sandblast and repaint exterior - mast to keel, as necessary
28 Renovation	Replace magnetic compass and binnacle
29 Modification	Network all cabins and labs with telecommunication outlets

Total Budget: \$1,200,000