

SELECTED PROJECT PORTFOLIO

Vessel: *R/V HUGH R. SHARP*
Operator: University of Delaware, College Marine Studies
Client: University of Delaware

Services Provided:

- Provided continued design assistance to owner, naval architect (Bay Marine, Inc.) and shipyard (Dakota Creek Industries) during detail design of the vessels. Evaluated all isolated equipment, recommended vibration isolators.
- Attended design reviews with owner, naval architect and shipyard.
- Conducted multiple shipyard inspections during construction approximately every other month.
- Planned and performed dockside and underway noise testing which included airborne noise, ship-wide vibration and underwater noise.
- Interfaced between owner and U.S Navy with regard to formal testing at Navy operated facility in the Pacific Northwest.
- Evaluated Navy provided data and provided final recommendations for noise control treatments.
- Evaluated Z-drives for gear-mesh and propeller noise effects.
- Developed and installed custom sound monitoring software (*Sound-Guard*).