
CR ENVIRONMENTAL, INC.

ECOLOGICAL & OCEANOGRAPHIC CONSULTANTS

Research Vessel Jamie Hanna

55-foot custom-built fiberglass research boat designed to support hydrographic and geophysical surveys, environmental sampling and monitoring projects



HYDROGRAPHIC & GEOPHYSICAL VESSEL CAPABILITIES AND EXPERIENCE

The R/V Jamie Hanna was launched in August 2012 and provides an exceptionally stable and fast platform for hydrographic and geophysical surveys in the unpredictable seas of the Northeastern US. Based in Hull, MA she is capable of economical mobilization from Maine to Florida. Apart from the amenities described below, vessel components of specific interest to hydrographers and geophysical surveyors include:

- vessel survey and documentation by PLS;
- two 5,000 pound Pullmaster winches, (2) 1,000 lb oceanographic winches with slip rings, and a hydraulic A-frame with multiple blocks;
- roll-out instrument rack;
- Stainless fixed/faired transducer mount for multibeam and ADCP.

Jamie Hanna is well suited for nautical charting and site investigations. Her configuration allows simultaneous deployment of multiple sensors

(e.g., multibeam, towed side scan sonar, sub-bottom sonar and magnetometers).

CR utilized the Jamie Hanna for three ACOE DAMOS Program offshore multibeam bathymetric and Sediment Profile Image (SPI) surveys in Eastern Maine and Massachusetts from September through October 2012. The vessel has also been used as a platform for geophysical and biological surveys supporting tide turbine installations in Eastport, Maine; for maintenance and recovery of Cape Cod Bay Right Whale passive acoustic monitoring arrays in collaboration with the Cornell University Bioacoustics Research Program & NEFSC; surveys supporting a Navy cable route in Machias Bay, Maine; and deployment and maintenance of the Massachusetts DCR Cape Cod Bay Disposal Site buoy.

SPECIFICATIONS

- Length: 55 ft.
- Beam: 18 ft.
- Draft: 7 ft.
- 480 Sq Ft of Deck Space
- 180 Sq Ft Lab Space in Pilothouse
- 4-Place Dinette
- Fuel Consumption: 10-40 GPH
- Speed: 23 knots max, 18 knots cruise
- Fuel Capacity: 1000 Gallons
- Full Head and Heated Shower
- 4 Berths with DC Power, LED Lights
- Full Galley with Full-size Refrigerator, Stove, and Microwave

Machinery/Deck Equipment

- 1000 HP Caterpillar C18-ACERT
- Tier 2 Low Emission Diesel
- Northern Lights 12kW Genset
- 1000 lb Capacity Stainless Davit
- 14-inch Hydraulic Port/Anchor Hauler
- (2) Pullmaster H8 5,000 lb Capacity Winches
- (2) 1000 lb Capacity Oceanographic Winches
- 2 and 8 Conductor Oceanographic Sliprings
- 5,000 lb Capacity 15 ft. Hydraulic A-Frame
- Variable Flow Seawater Pump

Electronics

- Furuno NavNet 3D MFDBB Black Box
- Furuno DRS6A 6kW 64 NM 4' Radar Array
- Furuno DFF Digital Bottom Machine
- Furuno Navpilot 700 Autopilot
- Furuno 1kW 50-200kHz Transducer
- ICOM MA500TR Class B AIS
- Standard Horizon GX5500 VHF/Loud Hailer
- Standard Horizon GX2150 VHF/AIS
- PC Plotter with Coast-to-Coast NOAA Charts
- Sirius Satellite Radio and Weather Available

Safety Equipment

- Fire Suppression System
- (4) Fire Extinguishers
- (12) USCG Approved Life Vests
- (12) Survival Suits
- ACR 406 MHz GPS-assisted EPIRB
- Life Ring with Throw Line
- (4) First Aid Kits
- 25-man Life Raft

ABOUT THE JAMIE HANNA

The construction of the Jamie Hanna has been over 10 years in the making. The owner and Captain Josh Goodwin began chartering his 42-foot WESMAC boat to CR Environmental, Inc. for various research and survey efforts including long term offshore monitoring, geophysical, underwater video, vibracore sampling, and testing of AUVs back in 2005. The success of these jobs encouraged Josh to become a proficient research vessel captain, capable of running survey lines, station keeping and equipment deployment along with superior boat handling. Although many improvements and modifications were made to the 42-foot vessel to better meet the research needs, in 2010 Josh and CR saw the need for a larger more capable vessel.

In September 2010 Josh ordered the 55-ft WESMAC hull, which was transported to Clark Island Boat Works in St. George, ME for engine installation and finish work. All the hard work came to fruition when the Jaime Hanna was launched on August 14, 2012.



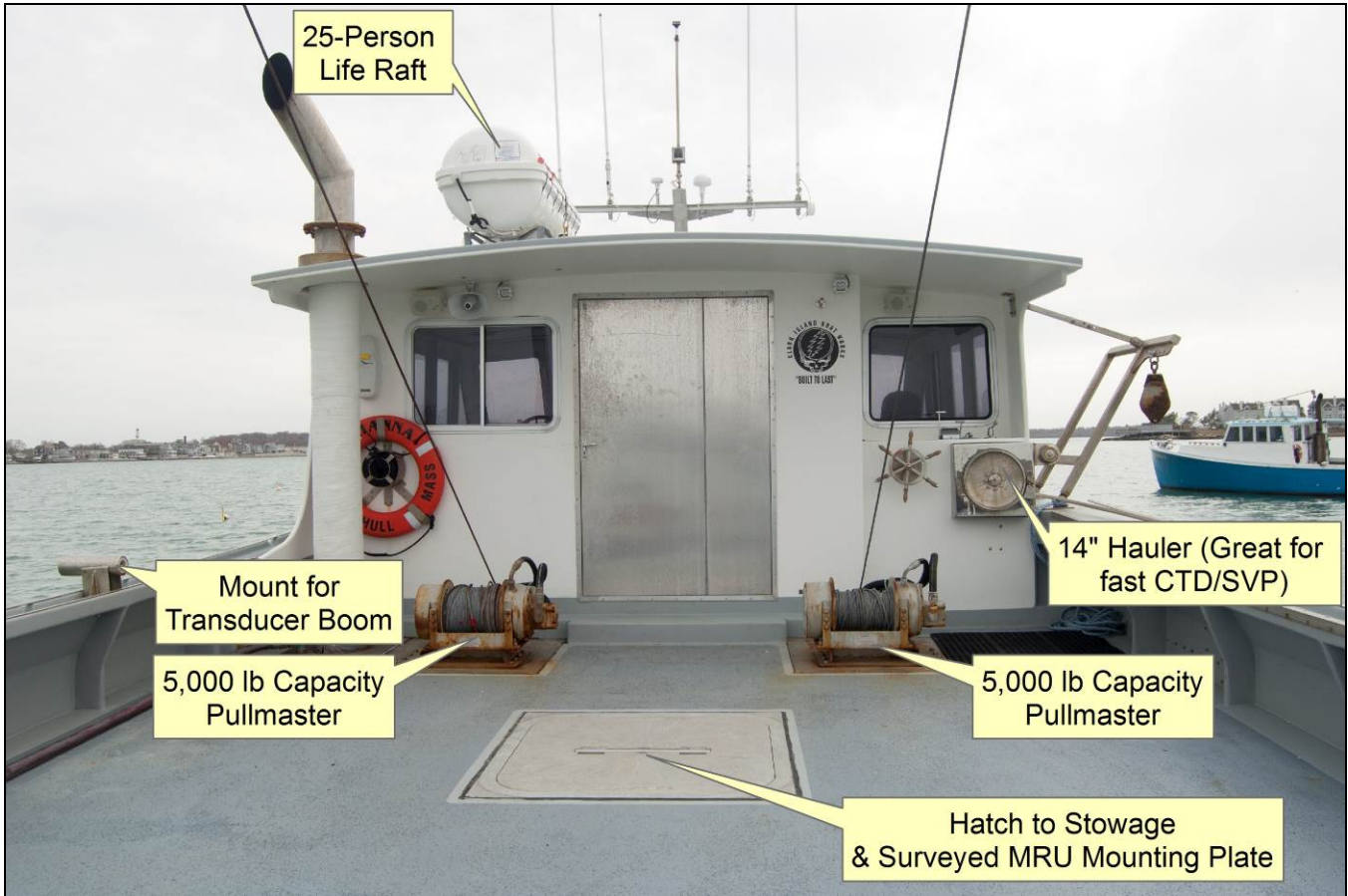
The owner and captain, Josh Goodwin and his wife, Shanna, ceremoniously christening the new boat, named after their daughter.

ABOUT CR ENVIRONMENTAL

CR Environmental, Inc. provides expert marine, freshwater, and wetland consulting services to government agencies, engineering firms, and commercial developers. We have extensive experience in hydrographic and geophysical surveying, sediment sampling, wetland delineation, environmental permitting, ecological risk assessment, and environmental monitoring.

WBE / DBE Certified in MA, WBE Certified in NY.
(508)563-7970 CREnvironmental.com

JAMIE HANNA PHOTOGRAPHS



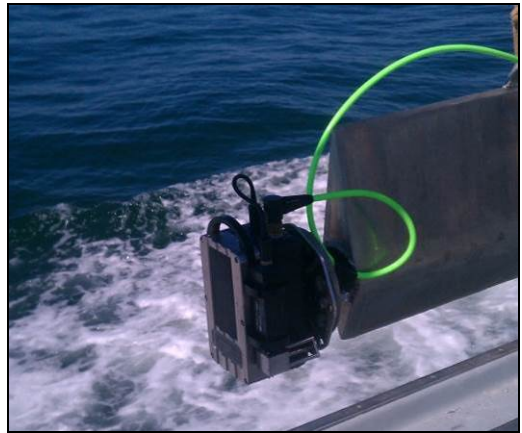
View from stern



"Fish-eye" view of pilot house and work stations



Twin blocks on 14 foot A-frame



Multibeam transducer on faired boom



4-Place Dinette



Galley with full-sized appliances



Full Head and Heated Shower



4 Berths with DC Power, LED Lights



Maintenance of the Massachusetts DCR Cape Cod Bay Disposal Site buoy



Recovery of CR's video sled in Machias Bay, Maine