

# Joseph M. Stoltz, SAMS-SA

## PERTINENT MARINE EDUCATION / EXPERIENCE

- ◆ 25 Years experience with sail and power boats

**2009 – Present** Principal Surveyor, North Cove Associates, LLC

**1992 -1994** Owner/Operator dba “Connecticut Marine Services”

### Pertinent Courses & Other Training

- ◆ **Introduction to Marine Surveying** - Newport International Yacht Restoration School - 2009
- ◆ **Advanced Marine Surveying** - Newport International Yacht Restoration School - 2009
- ◆ **American Boat & Yacht Council Certification Course: Standards** (Bilge Pump Systems, Electrical, Engines/Exhaust/CO, Fire Fighting, Fuel & Ventilation, Handrails/reboarding means, LPG/CNG, Miscellaneous Standards, Navigation Lights, Seacocks & Thru-Hull Fittings. – American Boat & Yacht Council -2009
- ◆ **Fiberglass Boatbuilding: Materials and Methods** – Westlawn Institute of Marine Technology -2011
- ◆ **Fuel Systems for Boats (Gas and Diesel)** - Westlawn Institute of Marine Technology - 2012
- ◆ **Yacht Damage** – State University of New York (SUNY) Maritime Academy -2011
- ◆ **Damage Survey 101 & 201**- New England Marine Survey, Essex, CT – 2012
- ◆ **Color Matching Gelcoat** – ProBoat Training on FRP layup, gelcoat spraying, tinting and blending into existing gelcoat via spray application. - 2011
- ◆ **Inspecting Electrical Systems** – Society of Accredited Marine Surveyors (SAMS) Northeast Regional Seminar - 2010
- ◆ **Hull Survey Boot Camp** - SAMS Northeast Regional Seminar - 2010
- ◆ **Engine Survey Boot Camp** – SAMS Northeast Regional Seminar -2010
- ◆ **Uniform Standards of Professional Appraisal Practice (USPAP)** – 15 Hour National Course with exam – Passed USPAP Exam – 2011
- ◆ **Yellow Belt Training in Root Cause Analysis Principles** – 2012
- ◆ **Technical Writing for Quality Investigations** – 2012
- ◆ **Technical Writing**
- ◆ **Wooden Boat Building including Lofting** – Mystic Seaport multi week course
- ◆ **Wooden Boat Planking** – Newport International Yacht Restoration School
- ◆ **OSHA 40 Hour Hazardous Materials Handling Course / SCBA Respirator & Confined Space Entry training**, Valhalla Fire School, New York.

### Working Knowledge of

- ◆ **American Society of Appraisers: Appraisal Principles and Practices**
- ◆ **ABYC Guide for Diesel Engines and Support Systems**
- ◆ **ABYC for Gasoline Engines and Support Systems**
- ◆ **ABYC Compliance with Code of Federal Regulations (CFR) Title 33, Part 183 – Gasoline Fuel System Compliance for Boat Builders**
- ◆ **ABYC Electrical Systems Certification**
- ◆ **ABYC Compliance with CFR Title 33, Part 183 – Electrical**
- ◆ **National Fire Protection Association 302 Standard for Pleasure & Commercial Motor Craft**
- ◆ **CFR Title 33, Part 183 & 175 - Boats and Related Equipment.**
- ◆ **CFR Title 46, Part 28 Subparts A,B & C – Requirements for Commercial Fishing Industry Vessels**
- ◆ **Canadian Transport Regulations TP-1332 E Construction Standards for Small Vessels & TP-127 Ships Electrical Systems < 50 Volts**
- ◆ **International Institute of Container Lessors Guidelines**

### **Marine Refinishing/Repair Experience**

- ◆ Repaired rotted core materials on various boats (weeping rudders, “Soft” decks, cabin and cockpit soles, etc).
- ◆ Replaced/Rebedded ports and “glassed” over ports that were removed.
- ◆ Installed outboard motor wells.
- ◆ Matched gelcoat, sprayed out and blended into surrounding original areas on multiple boats.
- ◆ Rigged bilge pump, depth sounders, GPSs, VHF’s, Radar and other
- ◆ Primed, applied non-skid / painted decks (*Awlgrip*® spray application).
- ◆ Faired, primed and painted FRP hulls (*Awlgrip*® and *R&M* clear catalyzed top coats via spray application).
- ◆ Varnishing Applications – Brush, HVLP spray and buffing.
- ◆ Replaced / refinished canvas decks on wooden boats.
- ◆ Installed / refinished teak and holly cabin soles and other joinery work
- ◆ Sewed new sails and repaired old ones as well as general canvas work.
- ◆ Refit masts and rigging on various sailboats.
- ◆ Fiberglass and Gelcoat repair/blending
- ◆ Gelcoat tinting and spray application

### **Mechanical / Electrical /Joinery Work Experience**

- ◆ Replaced motor mounts / aligned engine, water pump, fuel line, alternator, throttle linkage, wet exhaust system on small auxiliary diesel engines to ABYC Standards.
- ◆ Maintained multiple outboard motors (2 to 250 HP).
- ◆ Compression tested and leak down tested various marine and other engines
- ◆ Maintained sail boat winches.
- ◆ Replaced cutlass bearings, stuffing boxes and installed drive savers.
- ◆ Replaced oil, fuel filters multiple engines. Bled air out of diesel lines.
- ◆ Installed / Maintained various Roller Furler systems
- ◆ Constructed / Refinished joinery work for multiple boats (wood and composite materials).
- ◆ Rewired and replaced main 12 V panel/switches on multiple boats to ABYC E-11 Standards.
- ◆ Installed 120 V wiring to ABYC standards.
- ◆ Installed new halyards, winches and repaired various Edson steering systems on multiple boats.
- ◆ Designed multiple engine/tank/generator fuels systems as part of course work under Dave Gerr at Westlawn Institute of Marine Technology

### **Wooden Boat Building Experience**

- ◆ Refastened, replanked (carvel), replaced ribs, stem, centerboard trunks, decks, etc on several wooden boats.
- ◆ Built several wooden kayaks and row boats (clinker, stitch & glue).
- ◆ Lofted a few small boats from a table of offsets. Also studied lofting at Mystic Seaport.
- ◆ Construction / Refinishing of paneled joinery work.
- ◆ Experienced in removal of iron fastenings, renewal of wood and replacement with bronze
- ◆ From table of offsets, lofted original design for 21’, gaff rigged, sandbagger design catboat – Ongoing construction

### **Affiliations (Past / Present)**

- ◆ **Society of Accredited Marine Surveyors (SAMS)** – Member in good standing. Compliant with requirements for continuing education and number of surveys completed per year requirements- Current class of membership - Survey Associate
- ◆ **American Boat and Yacht Council (ABYC)**, Connecticut Marine Services & North Cove Associates, LLC – Member in good standing
- ◆ **United State Power Squadron Safe Boating Course**
- ◆ **BOAT US Technical Exchange Contributor**
- ◆ **Westlawn Institute of Marine Technology**

- ◆ Navtech – Marine Surveying
- ◆ Boat Pokers – Online Marine Surveyors Forum
- ◆ East Coast Sailing Association
- ◆ Newport International Yacht Restoration School
- ◆ Herreshoff Museum
- ◆ Mystic Seaport
- ◆ Connecticut River Museum
- ◆ Mystic River Mud Heads Sailing Association
- ◆ New England Beetle Cat Association
- ◆ Cat Boat Association

### **Presentations / Publications**

- ◆ Presented a poster on a 1976 Concordia-built, wooden Beetle Cat restoration case study at 2009 Annual Meeting of the Cat Boat Association.
- ◆ Article based on above poster published in the quarterly edition of the Cat Boat Association Journal
- ◆ Code of Federal Regulations Requirements for 12 V systems published in the quarterly edition of the Cat Boat Association Journal.
- ◆ Sewing a mainsail for your Beetle Cat –New England Beetle Cat Association Summer Newsletter
- ◆ Destructive Testing of Core Materials: <http://www.northcoveassociates.com/meter2.html>
- ◆ Non-Destructive Moisture Meters: <http://www.northcoveassociates.com/meter.html>

### **Certificates Earned**

- ◆ ABYC Certified Technician: ABYC Standards
- ◆ State of Connecticut DEP Safe Boating Certificate
- ◆ ASA Catamaran Bareboat Charter Certificate (ASA-BBC104)
- ◆ The Moorings® “A-List” Bare boat skipper certificate for any size mono or multi-hull in their fleet.

### **Other Pertinent Training and Skills**

- ◆ A formal scientific education and advanced training/work experience in Chemistry and Chemical Instrumentation, e.g. GC, UV, HPLC, IC, FTIR, ICP/MS, AA, TOC, PXR, RAMAN, FTIR, Chemometrics and Forensic Analysis Methods (Technical Coatings Laboratory LLC, Dow Chemical, State of Connecticut Bureau of Toxicology and Criminal Investigation & Pfizer Inc).
- ◆ Experience interviewing / hiring, managing individuals / groups and budgets up to 500K.
- ◆ 20 years technical writing experience.
- ◆ Attention to detail and documentation skills honed as a scientist in one of the most regulated fields.
- ◆ Contemporary computer and software literacy (Word, Excel, PowerPoint, Access, Outlook).
- ◆ Experience dealing with the public and running a small business.
- ◆ Attended multiple classes on People Management/Supervision and Effective Oral Presentations.

### **Subscriptions**

- ◆ Soundings, Wooden Boat Magazine, Wooden Boat Rescue Society, BOAT US Seaworthy / Used Boats, ABYC, Soldboats.com, BUC Network, Boatdiesel.com, Power Boat Guide & NFPA 302.

### **Education**

- ◆ B.S. Environmental Earth Science / Chemistry, Eastern Conn. State University
- ◆ M.S. Environmental Sciences, Rutgers University