

Hugh Sharp Best Practices - 2010

Updated: September 15, 2010

The [JMS Inspection Report](#) (pdf) include the following best practices:

- Van Vestibule and Hook Ups
- Portable Gas Detector
- ADA Features

Additional Best Practices include:

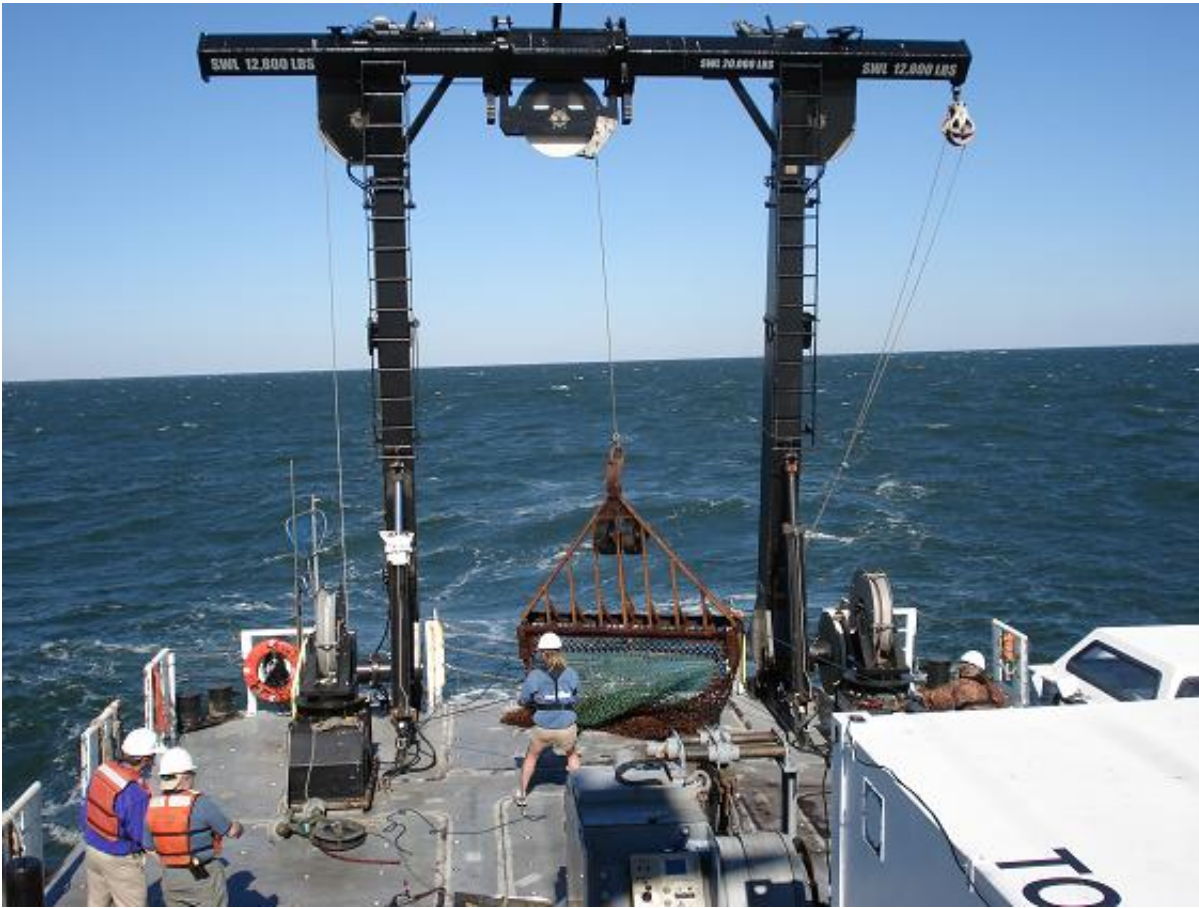
Auto-Render/Recover Control Board - A photo of the new auto-render/recover control board on the DYNACON trawl winches is below. This is a new capability being sought as part of Appendix B and it appeared to work extremely well during the inspection. The render/recover was tested while doing the scallop dredge (photos below) and it was able to dial down to relieve cable strain as low as 1400lbs (adjustable by the operator). These are hydraulic winches – so it's possible even if not electric drive.

Also note UD has corrected the overboarding block issue on the A-frame for towing by working closely with DYNACON. A similar design is also used on *Kilo Moana*. Note the cable path is always clear of personnel working on deck – a major consideration of Appendix A.

Auto-Render Recover Panel:



Dredging Operations:





13 September 2010

R/V HUGH R SHARP *BEST PRACTICES EXAMPLE*

VAN VESTIBULE AND HOOK UPS

The ship can accept two vans on its aft main weather deck connected to the ships interior through a vestibule. The system is designed to accept 20 ft. vanpool vans with the entry door leading into a vestibule so personnel do not go outside when entering the vans. The ship connections to the vans are through the deck just forward of the vans adjacent to the connections to the vans and thus the power and other connections are short and neat. The aft van double doors open aft and the escape hatches open up without obstruction. When vans are not aboard, panels close in the vestibule.



PORTABLE GAS DETECTOR

Most UNOLS vessels have a gas detector that was part of a group purchase several years ago. These units have a history of sensor failures and calibration issues.

The HUGH SHARP uses a relatively inexpensive Mine Safety Appliance [MSA] Altair 4 portable/personal gas detector for confined space entry and overhauling fire scenes. The meter detects LEL, CO, H2S, and O2.

The rubber over-molded housing is easy to grip, durable, and small enough to be lowered on a line into the tank or clipped to your shirt.



ADA FEATURES

The vessel was designed to incorporate ADA features. Watertight door thresholds can be removed for easier access on the Main Deck. A handicap accessible stateroom and head as well as labs and the mess deck are easily accessible on the Main Deck. The general alarm has visual beacons as well as an audible alarm.

