Update from the National Science Foundation
Wire Pool

Rick Trask, *NSF Wire Pool Manager*

Barbara Callahan, *Wire Testing Coordinator*

Andrea Harvey, *Database Administrator*

Presentation Topics

1. **Inventory and Distribution of Tension Members** (Rick)

2. **Tension Member Testing** (Barbara)

3. **Wire Pool Database** (Andrea)

INVENTORY AND DISTRIBUTION OF TENSION MEMBERS

Rick Trask

Supporting the tension member needs of the US Academic Research Fleet

Inventory and Distribution

- One Wire Pool, 2 storage locations

- Inventory of commonly used tension members
  - Wire Ropes: ¼", ½", 9/16"
  - Cables: .322"EM, .680 Coax, .681" power optic
  - Synthetics: 9/16" Plasma HiCo

- Process requests for new and used tension members
  1. Field all requests (via email or on-line request form)
  2. Availability of requested tension member
  3. NSF approval
  4. Arrange for shipping
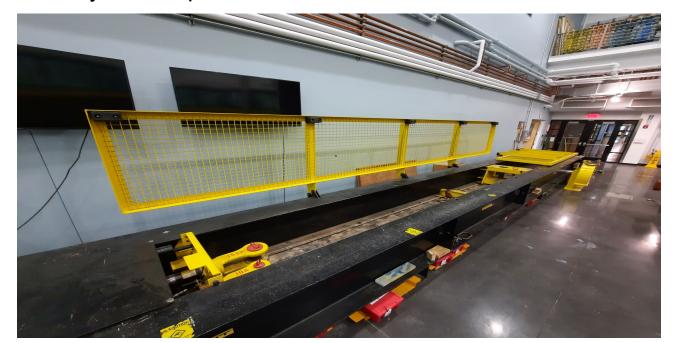
TENSION MEMBER TESTING

Barbara Callahan

Tension Member Testing

- Why do we test? Mandated by Appendix A of UNOLS Research Vessel Safety Standards

- The Wire Pool is funded to test your wire.

- Process for getting your wire tested & in the queue:
    1. Submit a break test request
    2. Send us your sample

Tension Member Testing
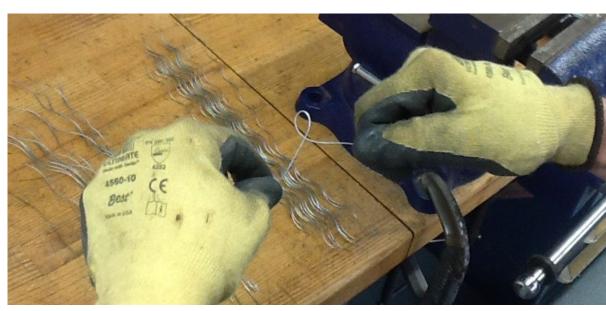

.322" Cable

9/16" 3 x 19 Wire

¼" 3 x 19 Wire

.680" & .681" Cable

Tension Member Testing

.322", .680", .681" Cables E-Kink Test

¼", 3/8", 9/16" 3 x 19 Wire Rope
Mandrel Wrap Test

- Evaluation
- Recommendation

WIRE POOL DATABASE

Andrea Harvey

Wire Pool Database

Manage wire and cable assigned to your Institution's vessel(s)

- Update wire status (e.g. 'In use' or 'Stored')
- Manage Safe Working Load (SWL) information for cable and wire in use or onboard a vessel
- Report events (lubrication, cutback/re-termination, splits, end-for-end, document uploads)
- Submit break test requests and view results/recommendations

Other Features

- Request wire or cable from the Wire Pool
- Add a tension member to a vessel (report a reel)
- Disposal request
- Add new users (full access or read-only)
- User-centric

Wire Pool Database

Questions about the site? Want a tutorial?

Forgot username and/or password?

aharvey@whoi.edu
unolswirepool@whoi.edu
(508)289-3530

QUESTIONS FOR THE WIRE POOL?