

UNOLS East Coast Winch Pool

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Our Mission

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- Established in 2009 as a single point of contact for over boarding systems.
- Act as a center of expertise in winch use, maintenance and engineering support.
- To provide portable winch systems in support of oceanographic research
- Provide expertise in tension member spooling for both portable and shipboard winches.

Who is the ECWP?

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Jamie Haley

Maintenance , logistics, testing,
user training and shop operations



Who is the ECWP?

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Josh Eaton

Engineering, upgrades, modifications,
Appendix A & B compliance
User Training



Who is the ECWP?

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Brian Guest

Management, scheduling, maintenance,
supplies and records.



Who is the ECWP?

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There are many others that are involved with ECWP operations.

Al Suchy and Dutch Wegman – Wire spooler scheduling for UNOLS vessels

Matt Heintz – Rapp Hydema (Jason) scheduling and maintenance.

Doug Handy – Crane work and wire spooling

Christopher Griner – Wire Spooling and Lubrication

Faith Hampshire – Administrative support

Dave Fisichella – Management and supervision

ECWP Winch Assets

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- 2 ea. MacArtney MASH2K (one with MRU)
- 2 ea MacArtney MASH4K
- 2 ea Dynacon 10030 Light duty winches
- 1 ea Hawboldt Medium duty
- 1 ea Dynacon Medium duty (GEOTRACES)
- 1 ea Rapp Hydema Heavy duty (Jason)
- 1 ea TSE mooring spooler
- 1 ea Sea-Mac 1300 lb SWT

Non Winch Assets

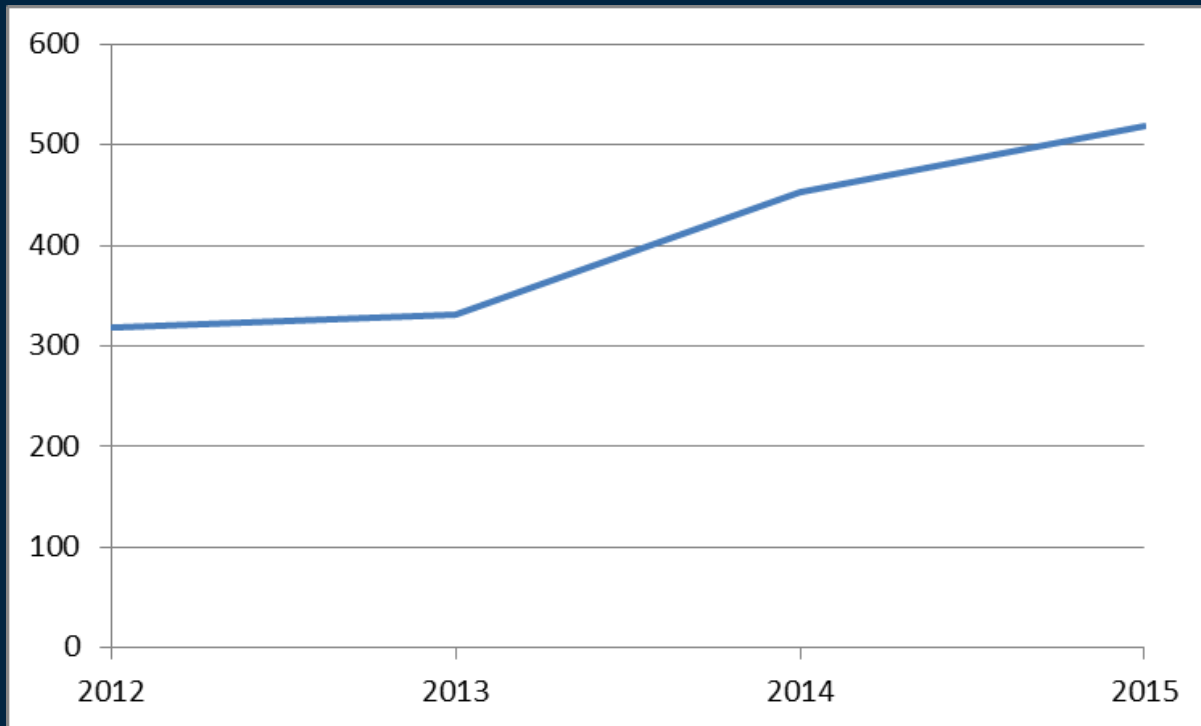
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- Three tensioning systems
- Turntable mounting systems (designed by Haley and Eaton)
- Metering and non metering blocks
- Standard and fiber optic slip rings
- Winch baseplates
- Assorted tension members
- Dynamometers
- 208 to 480 VAC step-up transformer

Busy 2015

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We've had a busy year with 22 deployments so far totaling 519 days of ECWP equipment usage.



Busy 2015

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Josh Eaton and Jamie Haley are developing a new winch system through an internal WHOI grant. It is currently going through the patenting process.



Busy 2015

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- ❑ OOI had 8 deployments of our mooring spooler and 1 deployment of our LD-1 Dynacon.
- ❑ Our MASH2K with MRU has traveled from WHOI to New Zealand, over to Portland, OR and back.
- ❑ The GEOTRACES MD-3 Dynacon spent 4 months at sea and traveled to the North Pole.
- ❑ All 4 of our MacArtney winches are receiving modifications to the level wind system.
- ❑ Turntables have been used on 5 cruises and 3 different winch systems.

Busy 2015

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- Assisting the wire pool with their new synthetic line test by providing equipment as needed.
- Will be meeting with OOI managers to better understand their future winch needs.
- Working to keep documentation (MCDs) up to date.

Web Site

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In 2012 the ECWP established a web site, thanks in a large part to the efforts of Josh Eaton, to allow users to request equipment for their work, provide information about our equipment and to improve asset management.

<http://winchpool.whoi.edu/>



Web Site

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Front Page

Woods Hole Oceanographic INSTITUTION
UNOLS East Coast Winch Pool

[Home](#) [Request Form](#) [Inventory](#) [Schedule](#) [Contact Us](#)



About us

The **UNOLS** East Coast Winch Pool was developed to facilitate the science based use of winches. The East Coast Winch Pool is part of the **UNOLS Equipment Pool Program**. We maintain, prepare, and repair portable winches used in the fleet. The majority of our funding comes from the [National Science Foundation](#).

Types of Winches

Heavy Duty

These winches are large and are for large diameter cables. They are multiple pieces.

Medium Duty

These winches are relatively large and are best suited for larger diameter cables or very long lengths of smaller cable. They are capable of holding 2000 meters of 0.5 inch cable. They can be used with a motion reference unit and have active heave compensation. They are also capable of operating with render and render recover modes.

Light Duty

These multipurpose winches are best suited to small diameter cables. They can level wind any diameter cable and are suitable for most applications. For example, they are capable of holding 2000 meters of 0.322 cable. They can be used with a motion reference unit and have active heave compensation. They are also capable of operating with render and render recover modes.

Ultra-light Duty

These winches are the smallest least powerful winches available. They are used for light loads.

Mooring Spooler

These winches are used in mooring operations.

Base Plate

The East Coast Winch Pool has standard base plates and turntables for the winches.

Wire Spooler




Wire spoolers are used to spool cable onto winches. Contact the WHOI Port Office for scheduling.

Sheaves

Sheaves in the pool available to users

How to Schedule

Use the schedule [request form](#), or call the winch pool.



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Web Site

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Request Information

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UNOLS East Coast Winch Pool

WINCH REQUESTS

Request form | **Winch requests** | Users | Wire designs | Winch categories | Lookup table | Inventory | Schedule | Archive

[Edit Winch Pool Request](#) | [All requests](#) | [View](#) | [Edit](#) | [Schedule](#) | [Delete](#) |

Requestor: Kris Newhall	Request status: Approved
Email: <input type="text" value="knewhall@whoi.edu"/>	Principle investigator: Robert Weller
Telephone number: <input type="text" value="508-989-5982"/>	Chief scientist: <input type="text"/>
Institution Name: <input type="text" value="WHOI"/>	Ship: <input type="text" value="Atlantis"/>
Agency: <input type="text" value="NSF"/>	Cruise number: <input type="text" value="Southern Oc"/>
Grant number: <input type="text" value="42011401, 134553444"/>	Cruise leg: <input type="text"/>
Weight of gear (lbs): <input type="text" value="1000"/>	Wire used: <input &="" 16"="" 7="" type="text" value="3/8"/>
Expected tension (lbs): <input type="text" value="2500"/>	Wire length (m): <input type="text" value="1400"/>

Mobilization	Demobilization
Port: <input type="text" value="Punta Arenas, Chile"/>	Port: <input type="text" value="Woods Hole"/>
Days at sea: <input type="text"/>	Demobilization date: <input type="text" value="04/14/2015"/>
Leaving pool: <input type="text" value="12/09/2014"/>	Leave port: <input type="text" value="04/14/2015"/>
Arriving at port: <input type="text" value="12/09/2014"/>	Return to pool: <input type="text" value="04/14/2015"/>
Mobilization date: <input type="text" value="12/09/2014"/>	

Archived
Archived: No Yes

Comments
Use description:

Comments:

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Scheduling

Woods Hole Oceanographic INSTITUTION WINCH REQUESTS

UNOLS East Coast Winch Pool

Request form | Winch requests | Users | Wire designs | Winch categories | Lookup table | Inventory | **Schedule** | Archive

UNOLS Winch Pool Schedule

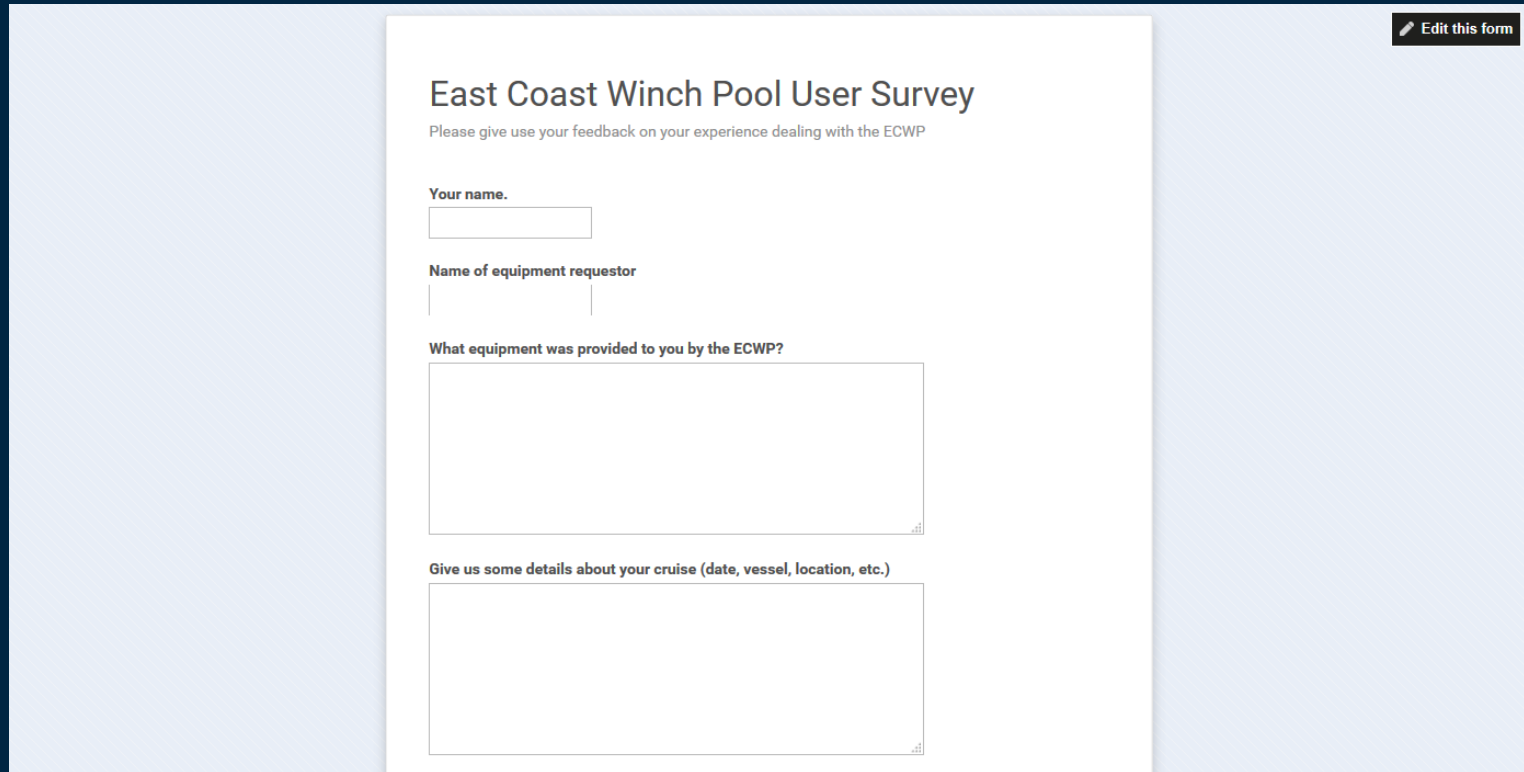
in-use hold maintenance Start month: Jan Start year: 2015 End month: Dec End year: 2015

Inventory	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
MASH4K-1								
MASH4K-2								
MD-1		 	 	 				
MD-3						 	 	
LD-1	 	 	 	 	 	 	 	
LD-2								
MASH2K-1	 	 	 	 	 	 	 	
MASH2K-2	 	 	 					
MS-1	 	 	 	 	 			
HD-1								
HD-2								
Large Turn Table								
Small Turn Table 2				 	 	 	 	
Turn Table								
Metering		 				 	 	

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User Feedback

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✎ Edit this form

East Coast Winch Pool User Survey

Please give us your feedback on your experience dealing with the ECWP

Your name.

Name of equipment requestor

What equipment was provided to you by the ECWP?

Give us some details about your cruise (date, vessel, location, etc.)

Thank You

