



# East Coast Winch Pool Team

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Jamie Haley  
System Maintenance

Josh Eaton  
Engineering

Sean Whelan  
Oversight & Coordination



# East Coast Winch Pool Mission

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The East Coast Winch Pool (ECWP) provides overboard handling systems, wire spooling, wire lubrication assistance, consulting, and engineering solutions as part of the NSF UNOLS Equipment Pool Program.

By pooling large value assets with subject matter experts, efficiencies are achieved to provide safe and reliable equipment to the whole UNOLS fleet.

# Equipment Requests

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ECWP has met over 35 requests for equipment and services in the past year. These included:

- Mooring work
- Hydrography
- Trace metal sampling
- Towed systems
- Sheaves
- Wire spooling

# ECWP Website Upgrade

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- Rajesh Mishra – Director of IS, Science and Engineering Information Services | WHOI
- Mike Chagnon President & CTO | Kaimika Technology LLC

Many changes are under the hood- removing bugs and enhancing security, but there are significant enhancements to help tracking and NSF reporting, while easing the process for prospective users to view documentation and request equipment.

# ECWP Equipment

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WOODS HOLE OCEANOGRAPHIC INSTITUTION

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

## Winch Pool Inventory

Name *	Category	Manufacturer	Model	
1m Metering Block	Blocks	WHOI/OSU		<a href="#">View</a>
AGO Metering Block	Blocks	AGO Environmental	SR22 18.125"	<a href="#">View</a>
Base Plate Large	Base Plate	WHOI	Medium Duty	<a href="#">View</a>
Base Plate Small	Base Plate	WHOI	Light Duty	<a href="#">View</a>
Base Plate Turn Table	Base Plate	WHOI	Light Duty	<a href="#">View</a>
Block #20	Blocks	Harken Block	CTD	<a href="#">View</a>
Block #21	Blocks	Harken Block	CTD	<a href="#">View</a>
Block 1/2"	Blocks	Harken		<a href="#">View</a>
Block- WHOI 0.681	Blocks	WHOI	WHOI	<a href="#">View</a>
Dynamometer 25K	Dynamometer			<a href="#">View</a>
Dynamometer 50K	Dynamometer	Dillon EDExtreme		<a href="#">View</a>
HD-2	Heavy Duty	Rapp Hydema	JASON LARS	<a href="#">View</a>
LD-1	Light Duty	Dynacon	10030	<a href="#">View</a>
LD-2	Light Duty	Dynacon	10030	<a href="#">View</a>
LD-3	Light Duty	Hawboldt	SPRE-2530S	<a href="#">View</a>
LD-5	Light Duty	InterOcean	76708	<a href="#">View</a>
MASH2K-1	Light Duty	MacArtney	MASH2000	<a href="#">View</a>
MASH2K-2	Light Duty	MacArtney	MASH2000	<a href="#">View</a>
MASH4K-1	Medium Duty	MacArtney	MASH4000	<a href="#">View</a>
MASH4K-2	Medium Duty	MacArtney	MASH4000	<a href="#">View</a>
MD-1	Medium Duty	Hawboldt	SPR-1640/S	<a href="#">View</a>
MD-2	Medium Duty	Hawboldt	SPR-2648	<a href="#">View</a>
MD-3	Medium Duty	Dynacon	P19	<a href="#">View</a>
MD-4	Medium Duty	Hawboldt	SPRE-3464	<a href="#">View</a>
MRU 1 (Motion Reference Unit)	MRU	Kongsberg	MRU-H	<a href="#">View</a>
MRU 2 (Motion Reference Unit)	MRU	Kongsberg	MRU-H	<a href="#">View</a>
MS-1	Mooring Spooler	TSE International	SD-70	<a href="#">View</a>
MS-2	Mooring Spooler	TSE	SD-70	<a href="#">View</a>
Spooler Liethiser	Wire Spooler			<a href="#">View</a>
Spooler Pine Hill	Wire Spooler	Pine Hill		<a href="#">View</a>
Spooler TSE	Wire Spooler	TSE	T 50/42 BWRC	<a href="#">View</a>
ULD-1	Ultra-tight Duty	SeaMac	207	<a href="#">View</a>

## MASH2K-2

<b>Category</b>	<b>Model</b>	<b>Tension Monitoring</b>
Light Duty	MASH2000	Yes
<b>Manufacturer</b>	<b>WHOI Property Tag</b>	<b>Safe Working Load (lbs)</b>
MacArtney	114784	3360
<b>Manufacturer Serial</b>	<b>Length (in)</b>	<b>Flange Diameter (in)</b>
H11152 V35479-2	53.2000	27.5000
<b>Empty Weight (lbs)</b>	<b>Height (in)</b>	<b>Payout Monitoring</b>
3750	67.0000	Yes
<b>Width (in)</b>	<b>Roller Diameter (in)</b>	<b>Remote Control</b>
76.8000	5.9000	Yes
<b>Drum Diameter (in)</b>	<b>Drum Width (in)</b>	
17.9900	28.7400	

### Comments

None

### Documents

[Maximum Capability Document MASH 2000 - Rev. B1.PDF](#)

### Images

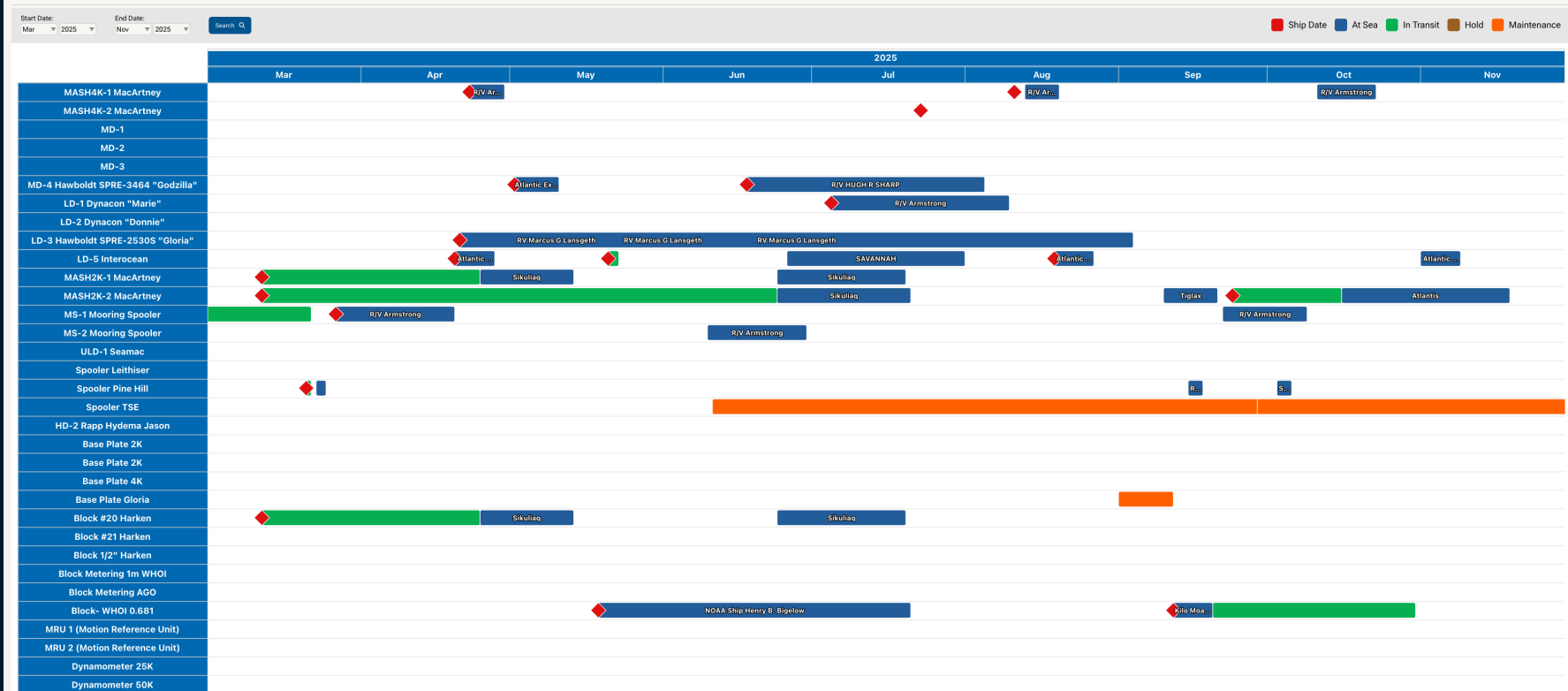
[MASH2K1.jpg](#)

# ECWP Schedule

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## UNOLS Winch Pool Schedule



# ECWP Request Form

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## Request Form

Requestor First Name*	Requestor Last Name*	Mobilization Date	Mobilization Port
<input type="text" value="Tom"/>	<input type="text" value="Crean"/>	<input type="text" value="08/08/1914"/>	<input type="text" value="Plymouth, England"/>
Email Address*		Demobilization Date	Demobilization Port
<input type="text" value="Tom@endurance.edu"/>		<input type="text" value="05/21/1916"/>	<input type="text" value="South Georgia Island"/>
Telephone Number(s)		Weight of Gear (lbs)	
<input type="text" value="n/a"/>		<input type="text" value="500"/>	
PI First Name	PI Last Name	Expected Tension (lbs)	
<input type="text" value="Ernest"/>	<input type="text" value="Shackleton"/>	<input type="text" value="1400"/>	
Institution Name		Wire Used	
<input type="text" value="Imperial Trans-Antarctic Expedition"/>		<input type="text" value="Hemp"/>	
Agency	Other Agency	Wire Length (m)	
<input type="text" value="Other"/>	<input type="text" value="Antarctic Exploration"/>	<input type="text" value="1000"/>	
Grant Number		Submitter Comments	
<input type="text" value="OCE-2024123"/>		<input type="text" value="Hazardous journey. Small wages, bitter cold, long months of complete darkness, constant danger, safe return doubtful. Honour and recognition in case of success."/>	
Ship			
<input type="text" value="Endurance"/>			
Cruise			
<input type="text" value="Imperial Trans-Antarctic Expedition"/>			
WHOI Project Number			
<input type="text" value="N/A"/>			

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Submit



# ECWP- Tension & Spooling

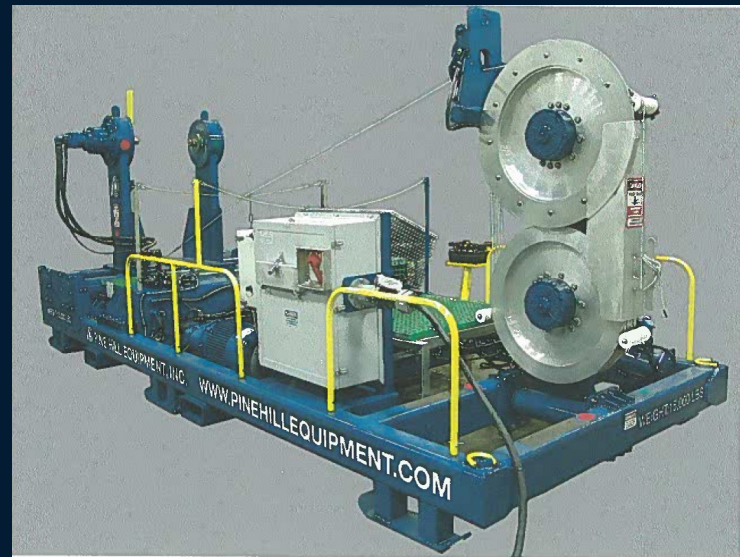
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TSE



Leitheiser

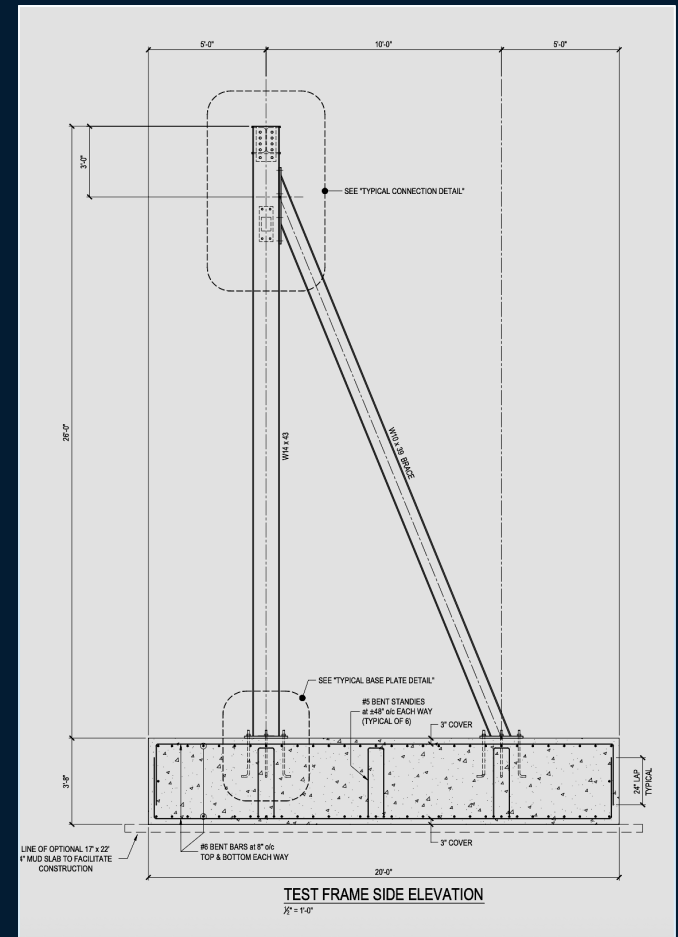


Pine Hill

# ECWP Test Frame

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- On site dynamic testing for generating Maximum Capability Documents
- Online Nov 2025



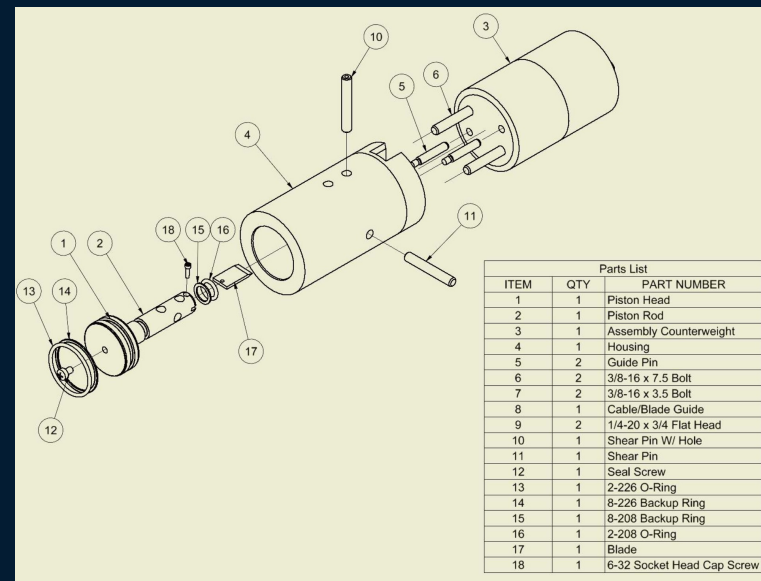
# ECWP Hydrostatic Cutter

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The Hydrostatic Cutter is a device developed to cut a tension member at depth.

When a tension member becomes fouled or anchored at the bottom, instead of cutting it at the surface, the device is deployed to cut and release it near bottom.

A portion of the expensive tension member is saved reducing economic loss.



(26) wire cutters fabricated and delivered by Josh Eaton to ECWP OCT 2025

# East Coast Winch Pool

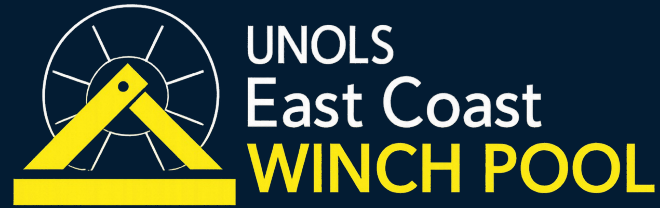
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Leveraging resources at WHOI, the ECWP subject matter expert provides the fleet with reliable overboard handling systems, wire winding, engineering support, training, and the logistics for delivery anywhere in the world.



[winchpool.whoi.edu](http://winchpool.whoi.edu)

# Thank You



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Sarah Fuller, David Fisichella, Rob Munier- Shipboard Scientific Services and Marine Operations

Isaura Weddige Welch and Isabella Costa Marcondes- WHOI Finance/Administrative Services

Brian Guest- WHOI Oceanographer Emeritus

John Brinckerhoff- WHOI International & Domestic Shipper

Eric Trotto, Barbara Callahan, Andrea Harvey- NSF Wire Pool

Tim McGovern- NSF Program Director