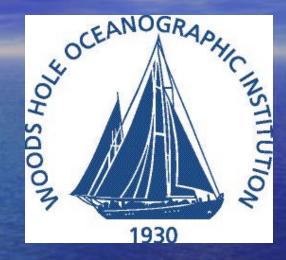
# SW06 OPERATIONS AND LOGISTICS

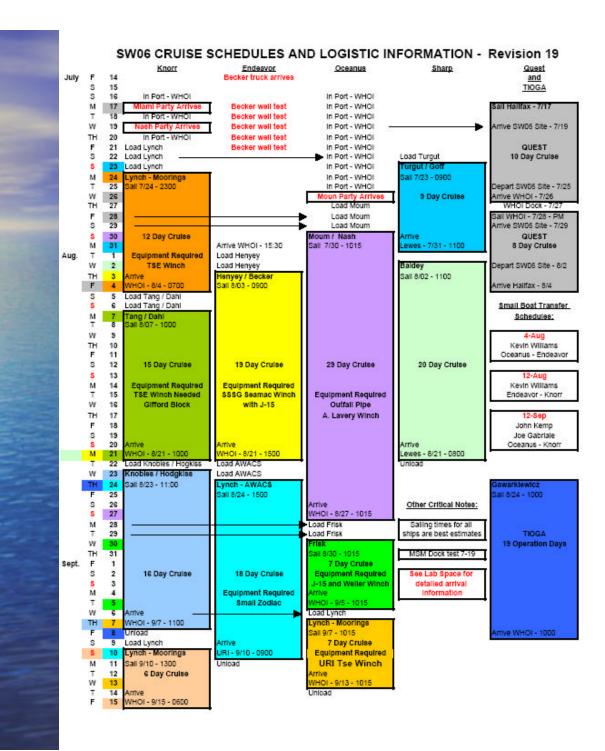




### Study of Internal Waves

Experiment PI's Jim Lynch – WHOI DJ Tang – APL / UW

Shallow Water 06 **Project Overview** Research Vessels Knorr, Oceanus, Endeavor, Tioga and the Canadian Research Ship Quest. -177 Total Ship days -118 Scientific Participants -62 Moorings Deployed -200,000 lbs Mooring Equipment





## **SCIENTIFIC STUDY AREA**

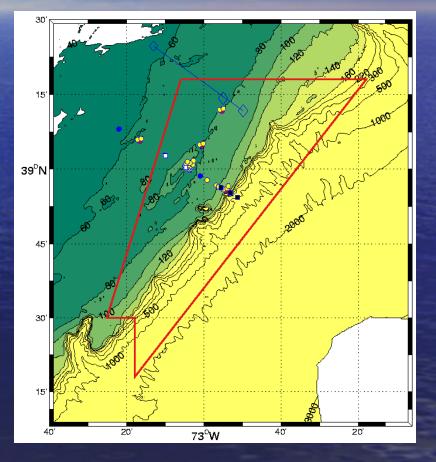


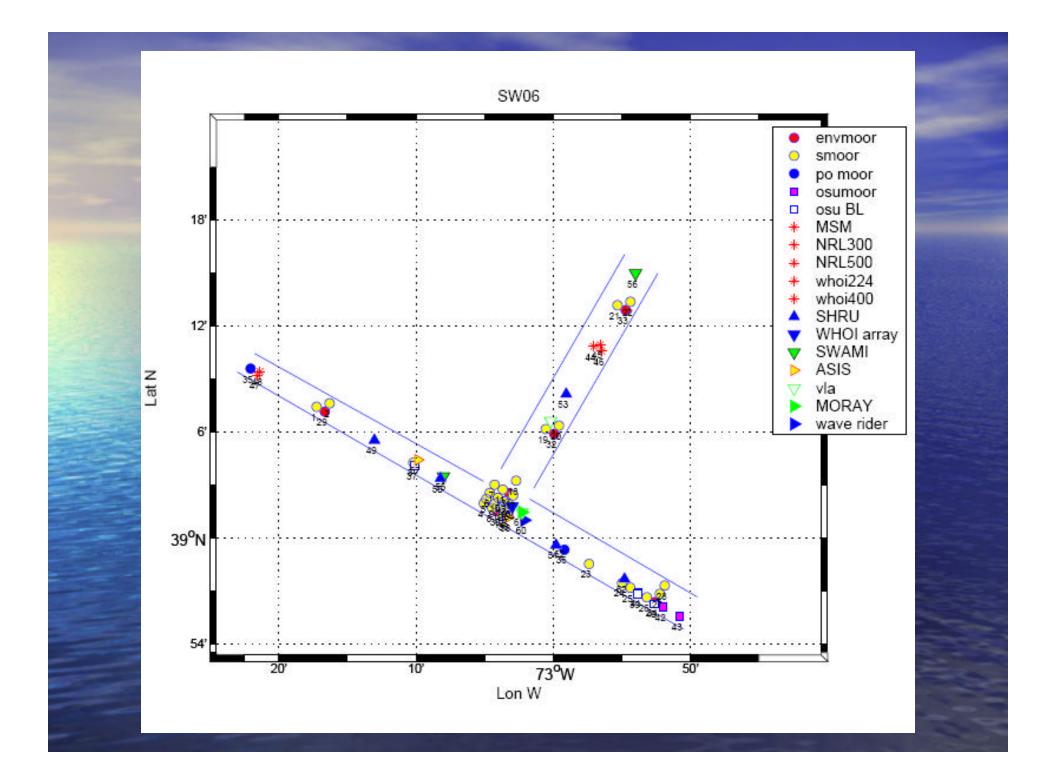
# FISHING ACTIVITY

- Scalloping: 100 200 meters
- Trawling for Squid
- Lobster gear out to 400 meters
- Gillnet (monkfish)
- Tuna
- Swordfish
- 75% of all fishing activity will be scalloping

#### How best to notify the fishing fleet

- Notice to Mariners, USCG
- Boatracs





## BOATRACS



### Maritime Satellite Communication

### Wireless Solutions for Managing Maritime Logistics

• Boatracs (shore to fishing vessels)

- Required to be all fishing vessels that scallop or swordfish
- Informs NJ fishing fleet of scientific activities
- Daily reminders of mooring locations/ship's position
- Cost will be around \$100.00 per month

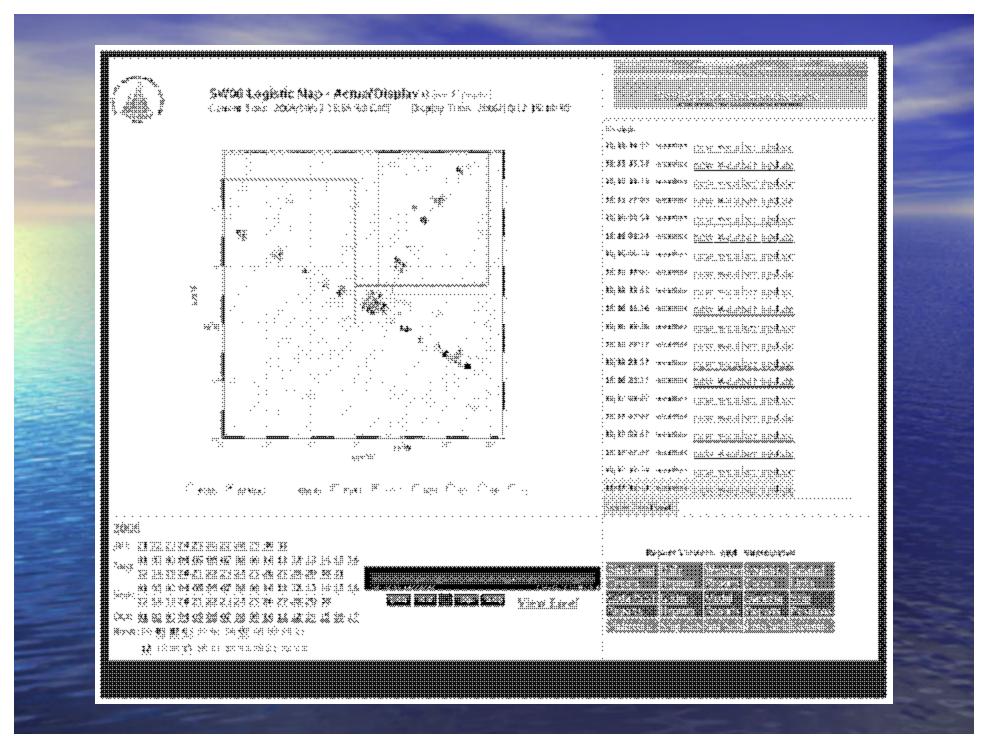
# SHIP TO SHIP SHIP TO SHORE

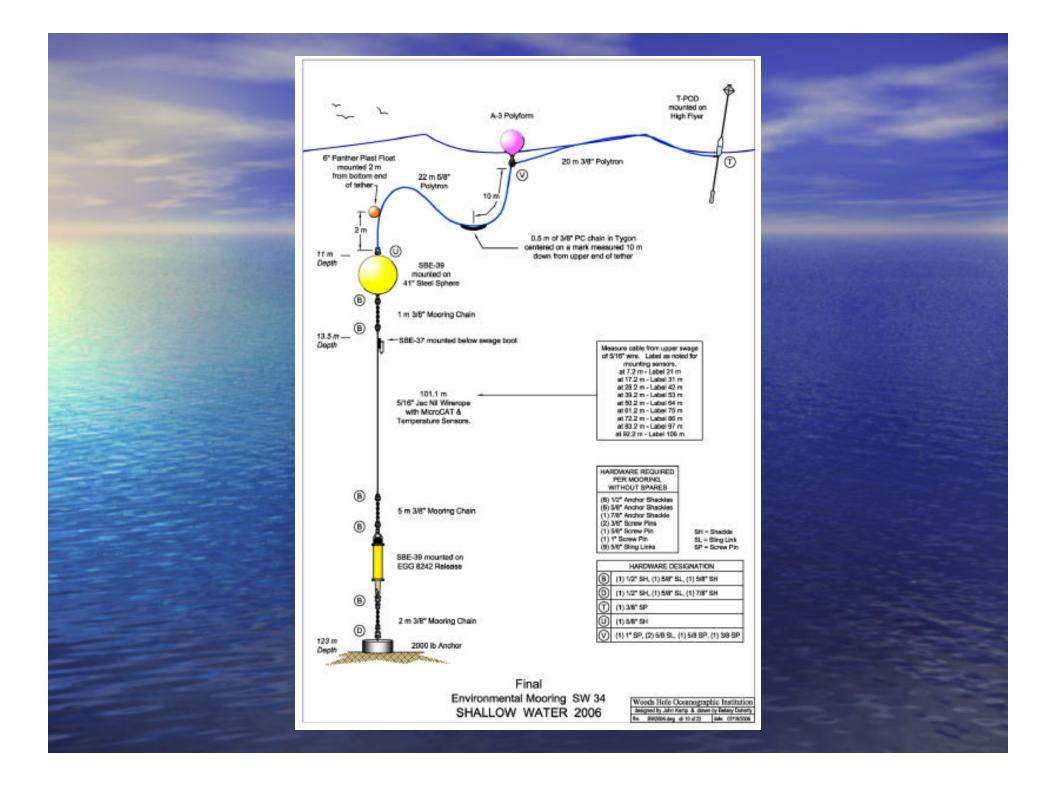
**Communication and Data Exchange** 

http://sealion.whoi.edu/sw06-bin/logistics

SW06 Logistic Map - A	<b>Letra Displ</b> ay (2000) (2000) 15523 (2017 – Capity Thing, 2001/2011/125/2010)	
		1991 (2020) 28. ann anna an
	1. Sec.	26/12 12:32 Material Microsoft Sciences of a Microsoft Microsoft Sciences and Scien
		in in 12 de annue <u>dech ser dich in 1</u>
		PARE VE ME MENNEN AND ANALYSING AND
		PR/In Ref Set and πemory gave in international galacity fairly
		initia nieta ana catera argine periodice significate
		Den de leures des annas des de la constante de
		18.16 Parana marapara Mikina mikina katalara zilari Miki
	34 area	and the second and the second s
		1777-6 122 No. #4429829 RECENTIONS CONTRACTOR
		18.746 1999 88 1997 88 1997 1996 19 1996 19 1996 1996 1996 199
a da ana ang ang ang ang ang ang ang ang an		ing 1975 an ang ing the second real Party and
i ya kata kata kata kata kata kata kata k		THE REPORT OF A CONTRACT OF
		DRIVER REPORT REPORT OF CONTRACT
		19.12 \$2.60 Access access accession of the
		1917-98-47 belands <u>Hone Rocker Childre</u>
	Tisseler	rentz vriten. na anata (ex.)a induktionis sehi indu
		1874 bir ve serien son son son son son son series and the source of the
. Al allow of an and a subra 🕫	°nga Kann Canga Can Can State	i son an ann ann ann ann ann ann ann ann an
2005		
318 39222233 <b>342326</b> 233269393933		
		Report frience and Security
. 24550 (B. 17 36 39 20 28 38 17 17 8 27 16 27 28 17 .		Shijudi.atti Mare Shiyadan taxoona Barahat
ser heldniger som blande. Heldniger som blander	a <b>i de la companya d</b>	
	<u>44</u>	Dents on ANE SECTION DOLLARS SHOW THE CONTRACT
Ψ <u></u>		

. . .





# SW Master Mooring Sheet 1

	Maaring Name	¢.⊾	Surface Marker	Position Leihude (N)	Position Longitude (99)	Wals: Certh	
	<u>Suitstatings Käydrings</u> Stradturk Mearing	j. Lyoph	* Infant Henton	8 (7.44 <b>2</b> 5	*****	à.	ŧ
1 SVN02			Poletowy Highlige	: 22 CT. 236	73 16.3.92	<u>*.</u> *	
SW03	Structure Menories:	i Lyson	Paytans/Honija		73 10.200	72	
\$\$\$\$	Śtracture Monories;	j. Lyqob	*Colassi Fienda	0 80 01 077	73 02 600	<u>***</u>	
SW05		.i. Cynch	Polytoper Highlyer	× × × × × × × × × × × × × × × × × × ×	373.40 BZ	<u>87</u>	
sweg		i. Lysax	Politics/Egmile	8 32 32 572	73 04 832	82	
i savo;	Šičhuoturte Šrigočnog:	j. Çinda	extern bentyer	: 24 0.3 <b>02</b> 4	×3.94.372	\$4 \$	
SVX08		.i. Lynch	····Polytoxxxx Hightlyer	: <u>*1</u> 01.794	73 04,452	<u>87</u>	
SW03	Structure Meaning:	i Lyndr	(2), Fz: /////ms	38.01.940	73 04.231	82	
<b>SW1</b> 0	šthuotus filiciosisg:	y. tyttät	(2) Polytzzant	: 22 QQ 7.93	<u> </u>	\$2	
6W10	Whatters Nicoriog:	j. Çyman	<u> </u>	- XX (X. XX7	73.03.ĕT1	\$. <del>*</del>	
- <b>1</b> SW12		i. Lytente	no Sufare Maxways	88.04.734	73-03:22	83	
<u>i swi</u> :	~~~~~	u ingeneta		: 32 C2 C2D	×2.02.83	**	
<u>1 80014</u>	Structure Siloofing:	<u>j. (y</u> ndr	?txttore:hightyer		73.03. <del>0</del> 02		
6MIS	<u></u>	i. Lynch	Powiewe Highlige	<u>: 32 01.304</u>	73 03 619	Ϋ́Α	
<u>l swi</u> ć			⇒en(arrithiqtitµer	i sy ch cyc	<u>, to oz dow</u>	<b>*</b> :	
8.4417	ស្តិតមានលេកស្រុកស្រុកសេនប្តូរៈ	y. iyyaada	?################################	<u> </u>	*3.02.0.02	**	ŧ
SVV1*		j. Çynor	Powform: Highlige		×3. <u>27</u> . × * :		
<u>80018</u>			n Patricent Highlaur	39 60 176	<u></u>	·····	Made <sub>a</sub> va,
\$220	·w·	u. Lynnh	n a stand before	: 30 08 387	72 30 87¥	73	Noir "A"
<u>64423</u>	Şöhadçur (ç. Nişoç dingi:	<u> </u>	Polytom Highlyen	<u> </u>	<u> 7, 75 8 8</u>	<u> </u>	
- <u>1</u> SW22		l Lynn	Posytamov Pickaly4	g 18 <b>8</b> 613 25 <b>9</b> 7	72.54.8%8		L
F	.Sitrutatu te Nijodrizegi	J. 57802	<sup>3</sup> theration of the second s	<u>;                                    </u>	70.87.380	\$``	N.Ster "A"
For an	Smitatum Nachag	J. Lyssen	⊃zytx4-gtdi.er	(= 3 <u>8 57 x59</u>	72 54.633	135	
59725		i Lykoù	*xxxxx +kgmtye	<u>: 37 37 187</u>	7 <u>7 84.208</u>		
1.8422	Sinicium Mathing		?:/.w/+@nl,e	<u>:::::::::::::::::::::::::::::::::::::</u>	72.83.58	113	
↓ \$¥¥27	Smilling Nooring		**************************************	20 KO (KO		12:3	
19743	ganacian Moderne	i Lydd		: <u>\$\$ \$7 \$</u> \$4	<u> </u>	<u>iàà</u>	

# SW Master Mooring Sheet 2

SW29 Extransmul Vector	J. Lynxin	Furin - y fr		<del>7</del> .2 10.030	~~~X
\$720 Environmente frazing	2. Leinær		22:21.021	762X.007	
SWEIT Environmental Monology	J. Lyndii	∴ Poyton Hoy tipo	199 19 <b>2 5.69</b>	7262.26%	
SMC2 Environmental Matriceg	di Lymcia	∴Rogom og tæ		7260.022	30
5403 Endotamental Motiong	ji. Lynnali	······································	<u> XX :: X (XX</u>	<u></u>	~%
syna saantaisetti yateenti	y: Lynca	- Pokon		72.82.8%¢	\$ \$
SM33 MMC PURCEND	Q. Q346548888		20:00 600	<b>~</b> \$.2,2,0,2,0;	
SW33 WHO PONSCIENTS	N. Okyazik 🗫 1945				
SVAT COL BROWLAND		i wolayi ku Uurkingo.	32.04.100		
SW38 CSU Extran ANCP		~`~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		7362.397	
82739 ISU Banon ASIN		<u>i i kolooninen kiin kirgoli</u>	: 10 %N &X Ø	72:63,838	(Ť.
SAMA (III Bolton ACCP		<u> - No kome Unicipe -</u>	3378183	7282.883	32
SWAL VOUNCEND	.i*\$***	. Przednicki prływi –	0 <b>83</b> .88	72.53.74%	ŧ
saat Cisu Nooringe	). fiiman	· Poyon, ->pape		****	<b>;</b> **
SW12 -030 Noomas		ur i i i i i i i i i i i i i i i i i i i	::::::::::::::::::::::::::::::::::::::	7280.0T3	- 48
\$444 Mari Sound Vadana	:*:	∴byrn yte		32500.024 72500.075	
SW45 NRL XXI Hz. Source		≂e, trans – žel,e	: X2 13 <b>27</b>		
SMAG ARL MC HT Round	<u>d Lyna</u>	<u>i i i na stana sana sana sana sana sana sana </u>	- 12: 12: <b>3</b> 2: <b>3</b> 2:	7284450	
SAMAT WHEN 224 Hz. Source	ui. Liyindh	– Poynani - Sydyes –	: 119-13 <b>9-1</b> 89	73528.4985	-3.7
Build Their His Hr. Sound	a. Lymon	∴ Povyovn <i>: −og</i> nlyer	: 34 04 <u>44</u> 0	7323.348	
Sivila Vino Chill nudrophane	ý. ýghái	🗆 No Suraxe Markings :	: \$\$ \$ <b>4</b> .\$~60	<u>.</u>	<u> </u>
SWED WHEELERRE PROPERTY	st lynda	. Na San we want to	::::::::::::::::::::::::::::::::::::::	7308 014	
SMO1 MMOR SHENJ MUSICIPITATE	j. Uzruda	o No Sonaca Markingao	- 78 58 585	72.53.808	
SAI2 WHO SHEL HARDPOOR	J. LYNXI	∴hao Saotanoa Karkanys .	. 32 57 071	7254.613	
SPACE WHEN SHRU Hydropaons	a Lymän	No Contace Markings Polynom - Nord Ar	- 28/03/28/2	7343.735	10
SANA MHALAHARANA ANA A		- Powini-Writer		73472 0003	
Repovery SCR-UP Alloy		- Polon - J. 1e		73.82.040	
SW37 (Search Albert Mozering # )	<u> </u>				
NYAR WERE STREET	H Gaxxer	2024 - 1.5.		7389.843	
SHEELACEC Anay Meeting	J. Lynds	- Poynam - Nordjær	<u> 18 18 198</u>	72-51.744	0
SWE? SecondSIP Topos	3. Čevartevica	. xx Coxixo Markings	::::::::::::::::::::::::::::::::::::::	73 80. 70%	2.0



Note 'W' Moor age hear A'll cattle No Tragging Cos



