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COASTAL AND MARINE GEOLOGY PROGRAM
WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Road, Woods Hole, MA 02543-1598
Phone: (508) 548-8700

NAVIGATION LOG

98006

SHIP AND CRUISE: RV John Dempsey JD98-1

AREA: Long Island Sound

DATES: 3/7 partial March 11-16, 1998

CHIEF SCIENTIST: Poppe

SHIP: RV John Dempsey

CRUISE: JD98-1 980006

DATES: 3/7

AREA: Long Island Sound

CHIEF SCIENTIST: Poppe

Note: Sidescan records are noisier on the left transducer side because the Edgetech fish was deployed off the starboard side & the left transducer "saw" the prop-wash.

PERSONNEL/AFFILIATION/FUNCTION

L. Poppe / USGS
D. Blackwood / USGS
E. Hansen / USGS
Dave Nichols / USGS
A. Robinson / USGS
M. Petrek CTDEP
K. CTDEP
D. Simpson CTDEP

Sidescan Roll #1

Bathy Roll #1

3.5kHz Roll #1

YrMoDy	JulDy	GMT Time+Zone	SOL Line#	Latitude N	Longitude W	Course	Speed	DISK/TAPE Disk#	Comments
980311	70	1344	1	41 11.725	72°58.509'	260.5°	4.7	1/1	SOL B1 / LINE 1
		1426							RAISED FISH, checked for any lines missed, etc
		1439	2	41 11.621	73°02.869'	197°	4.5		EOL 1 / SOL 2
		1450Z	3	41 10.876	73°03.194'	254°	4.0		EOL 2 / SOL 3
		1509Z	4	41°10.479	73°04.890'	201	4.7		EOL 3 / SOL 4
		1557Z	5	41° 07.296'	73°06.611'	266	4.0		EOL 4 / SOL 5
		1626Z	6	41°07.154'	73°09.479'	319	4.8		EOL 5 / SOL 6
		1654Z	7	41°08.892	73°11.470'	212	4.8		EOL 6 / SOL 7
		1728Z	8	41°06.649'	73°13.338'	248°	4.9		EOL 7 / SOL 8.
		1826Z	9	41 06.142'	73 19.984'	151	5.1		EOL 8 / SOL 9
		1850Z	10	41°04.334	73°19.367'				EOL 9 / SOL 10
		1913Z	11	41°04.242'	73°20.996'	214°	4.7		EOL 10 / SOL 11
		1932Z	11	41°03.144	73°21.923'				EOL 11
980311	70	2021Z	12	41°02.394	73°27.387	202	5.2		SOL 12 start of STAMFORD SERIES
		2028Z	13	41°01.797	73°27.742'	259°	4.5		EOL 12 / SOL 13
		2050Z	14	41°01.340'	73°29.937'				EOL 13 / SOL 14
980311	70	2052Z	14					1 / 2	ROLL 2 sidescan CHANGED PAPER

PAPER QUALITY DIFFERENCE!

BRIDGEPORT SERIES

STAMFORD

Bathy Roll #1

3.5kHz Roll #1

YrMoDy	JulDy	GMT Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	DISK/TAPE Disk#	Comments
980311	70	2052Z	14	41°00.380	73°30.966			1/1	Change Paper 3.5kHz Roll #2b
		2112Z	15	41°00.187	73°31.460	310	4.9	1/1	GRAY SCALE on 2b much better EOL 14/SOL15
		2121Z	16	41°00.698	73°32.197				EOL 15/SOL16
980311	70	2153Z	16	41°59.274	73°35.544	236	5.3	1/1	EOL 16 3.5kHz Roll #2b Roll #1 sidescan
980312	71	1257Z	17	40°59.816	73°35.695	198°	4.3	2/2	SOL17 3.5kHz Roll #1 Roll #3 sidescan
980312		1408Z	17	40°54.419	73°37.564				EOL17
		1501Z	18	40°51.354	73°39.694	305°	4.7	2/2	SOL18
		1552Z	18/19	40°53.356	73°44.072				EOL18/SOL19 END OF 3.5kHz Roll 1
		1616Z	19/20	40°55.140	73°43.309	117	5.4	2/2	EOL19/SOL 20 3.5kHz ROLL 2
		1710Z	20	40°54.404	73°37.460			2/2	EOL 20
	71	1752Z	21	40°56.897	73°40.290	113	5.8	2/2	SOL21 3.5kHz Roll #2
980312	71	1858Z	21	40°54.841	73°32.671	111	5.5	2/2	EOL 21 END of Roll #2 Bathy END of Roll #3 sidescan
980313	72	1502Z	22	40°56.680	73°18.953	115°	5.3	3/3	SOL22 Roll #2b bathy Roll #4 sidescan
		1536Z	23	40°55.365	73°15.394	56°	5.5	3/3	EOL 22/SOL 23

STANFORD SEPLEC

Norgo Point Santo

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
980313	72	1608Z	24	40°56.297'	73°11.797'	102	5.4	3/3	EOL 23/SOL 24
		1625Z	25	40°56.280'	73°9.793'	343	5.2	3/3	EOL 24/SOL 25
		1647Z	26	40°58.145'	73°10.439'				EOL 25/SOL 26
		1705Z	27	40°58.774'	73°08.291'				EOL 26/SOL 27
		1731Z	28	40°59.213'	73°05.017'	138	6.4		EOL 27/SOL 28
		1744Z	29	40°58.439'	73°03.656'	86	6.4		EOL 28 SOL 29
		1811Z	30	40°59.227	72°59.883	101	6.2		EOL 29/SOL 30
		1902Z	31	40°58.211	72°53.191	60	6.7		EOL 30/SOL 31
		1925Z	32	40°59.666'	72°50.455'	153	5.0	3/3	EOL 31/SOL 32
		1930Z							Broke off Line
		1934Z		40°59.631	72°50.517'	161	4.9		Restart Line 32
		1946Z	33	40°58.721	72°49.896'				EOL 32/SOL 33 57→58?
980313	72	2008Z	33	40°59.299'	72°47.013'	84	6.0	3/3	EOL 33
	72	2015Z	34	40°59.553	72°46.371'		4.7	3/3	SOL 34
980313		2025Z	34	41°00.342'	72°46.185'				EOL 34

Calibration Line (Re run of a part of an Anderson line) Run to help N. Lockel compare lines & sonograms from TD98-1 w/ those of the earlier Anderson cruise

Nerod Point series

3.5kHz Roll #2
Bathy Roll #2
Sidescan Roll #4

Calibration Line often ~100 m off to the west to avoid numerous lobster pots.

3.5kHz Roll #2
Bathy Roll #2
Sidescan Roll #4

YrMoDy	JulDy	GMT Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
980315	74							4/4	Bathy Roll #2 3.5 kHz Roll #2
		1522 Z	35a	41°13.565'	72° 37.821'	321	5.7		SOL 35a
		1541 Z		41°14.867	72° 39.307	217	8.4		EOL 35a
		1554 Z	36	41° 14.647	72° 39.555	217	11.6		SOL 36
		1624 Z		41° 12.222	72° 41.992	20.	15.1		EOL 36
980316	75								
		1406 Z	37	41° 17.553	72° 14.180	142	4.8	5/5	SOL 37
		1614 Z	38	41° 10.090	72° 06.320	5.9	15		EOL 37 / SOL 38
		1716 Z	39	41° 16.465	72° 05.456	178	24		EOL 38 / SOL 39
		1721 E							ON LINE 39
		1752 Z							picked up a pot
		1815 Z							back surveying
			39	41° 13.614	72° 2.278	158	86		EOL 39
		1824 Z	40	41° 13.446	72° 02.348	273	70		SOL 40
		2009 Z	40	41° 13.948	72° 12.393	81	45		EOL 40

Bathy Roll #2 3.5 kHz Roll #2 Sidescan Roll 5

NO PAPER RECORD

1752 Z: picked up a pot

WP6 →