104877

93026 DGMP 93-1
SEISMIC LOG
Nov 7-16, 1993

93026sei

USGS - BAMG

SEISMIC/GEOPHYSICS LOG

SHIP: RV John Dempsey

CRUISE: _____

AREA: Western Long Island Sound

DATES: 11/5/93 -

CHIEF SCIENTIST: Lewis/Poppe/Twichell/Zajac

SOL/EOL	Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
12:37 / 1308	1	311	UTC	85°	5.2	GPS	125 ~~250ms~~/133ms/3.5KHz	N/A	1		EPC only
13:15:31 / 13:47:30	2	"	"	265°	5.0	"	125 / " / "		1		" gas in top of feds?
13:53:54 / 14:24:43	3	"	"	88°		"	125ms/ " / "	"	1		
14:29:40 / 15:07:23	4	"	"	267°	4.6	"	125ms		1		
15:12:30 / 15:46:50	5	"	"	87°		"	125ms/	"	2		" change roll End 1 begin 2
15:50:20 / 16:22:34	6	"	"	268°		"	125ms/	"	2		
16:27:16 / 16:58:30	7	"	"	90°	4.6	"	125m/s	"	2		
17:02:00 / 17:34:15	8	"	"	266°	5.3	"	125m/s/ " /	"	2		
17:39:30 / 18:15	9	"	"	90°	5	"	125m/s	"	2		
18:51:25 / 19:23	10	"	"	266°	4.9	"	125 m/s/ " /	"	2		Loran out will work on at line change
19:38:30 / 20:09:30	11	"	"			"	125m/s/ " /	"	2		still no LORAN on line 10-on
20:12:30 / 20:46	12	"	"	268°	4.9	"	" " "	"	2		No loran
20:50 / 21:22:40	13	"	"	89°	4.8	"	" " "	"	End Ro	12	No loran / End day
13:01:30 / 13:39	14	312	UTC	272°	4.5	"	125/133ms/3.5KHz	"	3	No event marker	line 1-13 11/7/93 Roll 1+2 leave the dock 7:00 hrs 11/8/93 start 0800 line 14
13:43:30 / 14:11:23	15	"	"	88°	5.5	"	"	"	3		
14:15:41 / 14:51:20	16	"	"							Events back thanks to Twig	
14:56:42 / 15:26:30	17	"	"	88°	5.5	"	"	"	3		
15:31:10 / 16:12	18		"	272°	4.8	"	"	"	3	"	

Steps on Line 10 40° 53' 68" 70° 92' 21"

Pipe Exposed Line 9 41° 09' 88" 73° 09' 757"

wreck? on line 4 side-scan 41° 11' 79" 73° 04' 77"

Time →

	Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
17:01:43 / 17:38:15	19A	312	UTC	88°	4.3	GPS	125 m/s / 133 ms / 3.5 KHz	N/A	3		EPC Only snagged pot repeat line 19
17:43:34 / 18:20	20	"	"			"	"	"	3		"
18:25:11 / 18:57:50	21	"	"	88°	5	"	"	"	3		End Roll 3 lines 15-22
19:02:11 / 19:33	22	"	"	266°	5.3	"	"	"	4		start Roll 4
19:37:50 / 20:11:55	23	"	"			"	"	"	4		
20:16:55 / 20:47	24	"	"			"	"	"	4		"
20:53:43 / 21:25:54	25	"	"	90°	5.2	"	"	"	4	only part of line recorder broken	End of the day 11/8/93 only part of line 25
		Tuesday	11/9/93								
12:17:50 / 12:51:20	26	313	UTC	254	4.8	GPS.	"	NA	4		
12:54:40 / 13:26:30	27	"	"			"	"	"	"		
13:30:23 / 14:03:51	28	"	"	257	4.7	"	"	"	"		
	29	"	"			"	"	"	"	14:08:41 / 14:35	
	30	"	"	249	4.6	"	"	"	"	14:38 / 15:06	Line shorted to avoid rocks on west end
Times see magnetic Gravity Block	Fix 31	"	"	74.6	4.9	"	"	"	"	15:25:09 / 15:48:42	Shortened line
	32	"	"	257	4.9	"	"	"	"	15:52 / 16:22:14	shorted line
	33	"	"	70.4	4.6	"	"	"	4/5	16:24:32 / 16:51:30	scattered out to Roll #5 on this line
	34	"	"	253	4.4	"	"	"	5	16:54:52 / 17:20	Short line
	35	"								17:23:12 / 17:49:10	short line plug cut at -100

Fix on coastal Plain #1 41° 08' 386" 73° 06' 99" 20:34:37 line 24

marked on 3.5 KHz → #2 41° 08' 10" 73° 08' 16" large object light channel crest of hill 280' of cable out for lay back

start/stop	Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Times Magnets Gravity	Comments
Pete Broke arm	36	9311-9/313	UTC	231	4.87	GPS	125 m/s 133 m/s 3.5 Khz	NA	5	17:52:13	Pot SNAG BULL UP FISH @ 1807
12:39.23 / 13:09.30	36A	314	UTC	258	5.0	GPS	[illegible]		5	start day	End of Day 11/10/93
13:12.01 / 13:43	37	"	"	86	[illegible]	GPS	"	"	"		
13:46.31 / 14:18.15	38	"	"			"		"	"		
14:21.10 / 14:54.52	39	"	"	90	4.9	"	"	"	"		
14:57.42 / 15:36.40	40										last long line
15:40.13 / 15:58.00	41										short line #2
16:00.11 / 16:23.00	42			270	4.7						
16:25.45 / 16:46.44	43	"	"	95	6.0	"	"	"	"	"	
16:50.13 / 17:14.22	44								5		
17:17.20 / 17:40.10	45								6		
17:47.32 / 18:15.04	46	"	"								
18:18.53 / 18:43.31	47	"		88°	4.6				6		
18:47.25 / 19:11.14	48			268	4.5						
19:14.40 / 19:43.51	49	"	"			"	"	"	6	"	
19:47.44 / 20:14.52	50										
20:19.00 / 20:46.40	51			92°	3.9				6		End of the Day

Start of day 11/11/93

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Times Magnets Gravity	Comments
52	93 11 11 314	UTC	252	4.06	GPS	125 ms / 133 ms / 33 KHz	NA	6	12:28:42 / 13:01:10	depth on line is 121 ft.
53	"	"			"	"	"	6	13:05:11 / 13:32:30	depth ≈ 110
54	"	"			"	"	"	"	13:35:00 / 14:07:42	lost GPS for part of line - back at 1356
55	"	"	765	4.32	"	"	"	"	14:14:42 / 14:39:50	dept 126
56	"	"	238	2.80	"	"	"	"	14:42:55 / 15:20:22	depth 111-119 along trim
57	"	"	344	4.58	"	"	"	7	15:40:41 / 15:49:30	Reuter Grid for this section.
58	"	"	155	5.7	"	"	"	7	16:11:02 / 16:18:50	Back on line
59	"	"	"	"	"	"	"	"	16:21:02 / 16:28:20	Right turn Rule
60	"	"			"	"	"	"	16:30:40 / 16:37:43	
1B	"	"	85	6.75	"	"	"	7	17:24:50 / 17:50:20	Start shallow site ≈ 38 ft.
2B	"	"	262	4.4	"	"	"	"	17:54:52 / 18:25:	42 ft.
3B	"	"	96.3	6.9	"	"	"	7	18:29:41 / 18:55:20	35 ft → 40 →

End of survey flows E-W lines

Start stratford shoals Lightnhouse lines

Start shallow site

end of section

end of day

all mud fence path

Milford shallow is Area 1B

"UFO" 41 04 33
out 73 07 34
crop on line 52

Norwalk Area

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Time Magnets Gravity	Comments
1	3/7/93	UTC	075	4.6	GPS-Diff	125/133/3.5	N/A	7	13:10:35 13:36:20	SOL EOL
2			244	5.4					13:36:30 1400	
3			71°	5.1					14:04 14:29	
4			255	6.4					14:34:50 14:56	
5			79	5.4					14:59:50 15:26:10	
6			254	5.6					15:29:19 15:50	
7			88	5.1					15:54 16:19	
8			216	6.4					16:22:50	
9			74	5.9					16:55:30 17:20:40	
10			242	5.8					17:24:10 17:34:30	
* 10A			240	6.6					17:34:30 17:57:11	
11			69	7.2					17:59:30	
12			221	5.3					18:24:50 18:49:50	
13			69	7.1					18:52:10 19:14:20	
14			251	5.8					19:18:00 19:42:00	
15			75	7.3					19:45:20 20:06:00	

Norwalk Survey 11/14/93

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
16	318/93	UTC	253.6	5.6	Diff. GPS	125/133/3.5kHz	N/A	8		SOL 13:54:25
16										EOL 14:19:10
17			69.6	4.4						SOL 14:22:10
17										EOL 14:51:15 } 14:18 BPC shut down Break to change belt.
18			249.4	5.4						SOL 14:54:20
18										EOL 15:19:10
19			259.6	6.0						SOL 15:22:10 z } shut down to add pipe
19								8		EOL 15:49:40 z
										Sol 19 delayed to switch roll
20	318/93	UTC	249.5	5.8		125/133/3.5kHz	N/A	9		Start of Record - 155633
20										EOL 161530
21										SOL 16:18
21										EOL 16:41:10
								9		

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
22	318	UTC	249.5	5.6	Diff GPS	125/133/3.5 kHZ	N/A	9		SOL 164300
22										EOL 170730
23			72.5	6.6						SOL 170950
23										EOL 173120
24			69.1	6.5						SOL 173330
24										EOL 175800
25			249.5	5.6						SOL 180000
25										EOL 182000
26			68.6	6.4						SOL 182350
26										EOL 184910
27			69.8	6.2						SOL 185210
27										EOL 1915

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
28	318	UTC	249.5	4.9	Diff GPS	125/133/3.5 kHz	NA	9		SOL 191620
28										EOL 194340
29			69.5	6.2						SOL 194640
29										EOL 200700
30			249.1	4.6						SOL 201030
30										EOL 203950
31			69.6	6.1						SOL 204140
31	318	UTC			Diff GPS	125/133/3.5 kHz	NA	9		EOL 210605
32	319	UTC	265	5.3						SOL @ 13:57:30
										EOL @ 14:22:10
33			73	5.5						SOL 14:24:30
										EOL 14:55:01
34			248	4.7				10		SOL 14:57:20
										EOL 15:26:40

between 2008 & 2009 [illegible] 5 [illegible] record [illegible] [illegible]

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
35	11/15/93 319	UTC	72	4.9	GPS	125ms/133ms/3.5Hz		10		SOL 35@ 15:29:40
										EOL@ 16:00:30
36			238	4.2						SOL 16:03:30
										EOL 16:41:02
37			67	4.7						SOL 16:43:50
										EOL 17:14:56
38			255	4.0						SOL 17:18:00
										EOL 17:51
39			68	4.3						SOL 17:55:20
										EOL 18:31:15
40			249	3.9						SOL 18:34:41
										Circle To Restart
40A			252	3.8						SOL 18:53:30
										EOL 19:34:42
37A			174	5.8						SOL 19:39:20
										EOL 20:07:16

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Time Comments
41	11-16-93 320	UTC	68	5.3	D.R. Gps	125/ 133 /3.5kHz		10		SOL 13:38:11
										EOL 14:05:10
42			250	5.7				11		SOL 14:07:50
										EOL 14:31:00
43			69	5.0						SOL 14:33:00
										EOL 14:58:00
44			251	6.6						SOL 14:59:40
										EOL 15:23:17
45			69	5.1						SOL 15:37:00
										EOL 16:04:30
46			241	6.8						SOL 16:06:20
										EOL 16:29:02
47			77	5.9						SOL 16:32:40
										EOL 16:56:54
48			247	6.3						SOL 16:58:35
										EOL 17:21:31
49			67	5.3						SOL 17:23:51
										EOL 17:49:30

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
50	11-16-93 320	UTC	252	5.9	DiFF GPS	125/133/3.5kHz		11		SOL 17:52
										EOL 18:09
51			157	5.9						SOL 18:13
										EOL 18:30
52			246	5.1						SOL 18:33
										EOL 18:51
53			81	6.4						SOL 18:53
										EOL 19:16
54			253	5.2						SOL 19:13
										EOL 19:33:03
55			67	8.2						SOL 19:37:21
										EOL 19:51:43
56			251	6.2						SOL 19:53:54
										EOL 20:10:54
57			72	7.5						SOL 20:14:00
										EOL 20:28:20

Line#	YrMoDy +JulDy	Time +Zone	Crs	Spd	Navigation	Seismic System Sweep/Fire/Filters	Tape# Disk#	Roll#	Magnets Gravity	Comments
								12		