#95007

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From: bschwab@boomer.er.usgs.gov (Bill Schwab)
Subject: Re: 1995 post cruise reports

U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY

CRUISE REPORT

1. SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR:
   Seaward Explorer

2. PRE-CRUISE SERIAL # AND/OR CRUISE-LEG:
   SEAX95007

3. PROJECT # AND NAME:
   9470-34901 EEZ Mapping NY-NJ

4. FUNDING AGENCY:
   USGS

5. CONTRACT (If applicable):
   N/A

6. AREA OF OPERATIONS:
   New York Bight

7. DATES AND PORTS OF CALL:
   5/7/95 leave Woods Hole, MA
   5/25/95 arrive Tom's River, NJ

8. CHIEF SCIENTIST(S):
   William Schwab

9. SCIENTIFIC PARTY (Names,affiliations,cruise duties):
   William Schwab, USGS, Chief Scientist
   Thomas O'Brien, USGS, Electronic Technician
   Richard Rendigs, USGS, Watch Leader
   William Danforth, USGS, Data Acquisition
   Jane Denny, USGS, Data Processing
   David Nichols, USGS, Electronic Technician
   David Foster, USGS, Data Processing
   Meade Allison, Texas A & M Univ., Watchstander
   Linda Lotto, ECO, Data Processing
   Anna Estes, Conn. Weslean Univ., Watchstander
   William Corso, Army Corps of Engineers, Watchstander
   Michael Lee, Texas A & M Univ., Watchstander

10. SHIP'S CAPTAIN (and affiliation):
   Keith ??? (Seaward Explorer, Inc.)

11. PURPOSE OF CRUISE (brief statement)
   Assess the shallow sediment framework (first phase of comprehensive "environmental" study of the New York Bight area)

12. NAVIGATION TECHNIQUES:
DGPS

13. SCIENTIFIC EQUIPMENT:
Datasonics SIS-1000 Sea Floor Mapping System
40 cubic inch water gun seismic-relflection system
ODEM 3.5 kHz subbottom profiler

14. TABULATED INFORMATION:
DAYS AT SEA: 18
CONTINUOUS DATA (in km): 2300
STATIONS OCCUPIED (stationary and underway): 53
SUBMERSIBLE DIVES (BY #): N/A
STATION INFORMATION:
Station number: (see below)
Date of occupation:
Latitude/Longitude: (see below)
Water depth: (data not yet available
Sampling device (dive #): van veen grab sampler
Number and type of samples: 53 sediment samples
Remarks: This information is duplicated below under #=
18

15. PAGE-SIZE TRACKCHART (including station & line #'s)
This exists as a MAPGEN File if you are interested. A Page=
size copy is
in your mailbox.

16. SUBMITTED BY AND DATE:
William C. Schwab, 7/12/95

17. SEISMIC LINE LIST IN CHRONOLOGICAL ORDER: (#, Start, End time)

1, 128JD 1623Z, 128JD 1903Z
2, 128 1913, 128 2230
3, 128 2240, 129 0142
4, 129 0148, 129 0449
5, 129 0501, 129 0823
6, 129 0834, 129 1205
7, 129 1213, 129 1535
8, 129 1548, 129 1927
9, 129 1942, 129 2051
10, 129 2053, 130 0020
11, 130 0025, 130 0419
12, 130 0426, 130 1003
13, 130 1009, 130 1344
14, 130 1407, 130 1845
15, 131 1627, 131 2016
16, 131 2023, 131 2330
17, 131 2335, 132 0322
18, 132 0334, 132 0654
19, 132 0723, 132 1101
20, 132 1106, 132 1440
21, 132 1448, 132 1944
22, 132 1949, 132 2311
23, 132 2329, 133 0301
24, 133 0307, 133 0713
25, 133 0733, 133 1112
26, 133 1118, 133 1501
27, 133 1509, 133 1845
28, 133 1852, 133 2211
29, 133 2217, 134 0209
30, 134 0224, 134 0616
31, 134 0629, 134 1031
32, 134 1035, 134 1417
33, 134 1423, 134 1733
34, 134 1737, 134 2217
35, 134 2222, 135 0121
36, 135 0243, 135 0458
37, 135 0458, 135 0532
38, 135 0546, 135 0743
39, 136 0033, 136 0138
40, 136 0142, 136 0527
41, 136 0532, 136 0903
42, 136 0908, 136 1232
43, 136 1237, 136 1613
44, 136 1620, 136 2044
45, 136 2108, 136 2307
46, 136 2311, 137 0134
47, 137 0144, 137 0456
48, 137 0523, 137 0546
49, 137 0838, 137 1203
50, 137 1208, 137 1523
51, 139 1831, 139 2231
52, 139 2236, 140 0023
53, 140 0026, 140 0237
54, 140 0243, 140 0423
55, 140 0428, 140 0624
56, 140 0630, 140 1047
57, 140 1052, 140 1247
58, 140 1258, 140 1501
59, 140 1506, 140 1706

60, 140 1711, 140 1858
61, 140 1918, 140 2112
62, 140 2116, 140 2313
63, 140 2317, 141 0255
64, 141 0301, 141 0451
65, 141 0455, 141 0637
66, 141 0643, 141 1025
67, 141 1030, 141 1407
68, 141 1411, 141 1738
69, 141 1803, 141 2146
70, 141 2150, 141 2335
71, 141 2338, 142 0155
72, 142 0159, 142 0505
73, 142 0510, 142 0633
74, 142 0745, 142 1101
75, 142 1105, 142 1408
76, 142 1412, 142 1730
77, 142 1731, 142 1813
78, 142 1819, 142 2106
79, 142 2108, 142 2132
80, 142 2135, 143 0123
81, 143 0138, 143 0255

10. SAMPLE LIST: (#, Lat., Long., type)

1	40=8029.7357	-073=8030.5273	Van Veen (all samples)
2	40293146	-073308125	
3	40295531	-073321454	
4	40285176	-073318943	
5	40270644	-073319319	
6	4025.631	-073319670	
7	40248063	-073314495	
8	40241743	-073306442	
9	40252521	-073336148	
10	40244331	-073341488	
11	40252809	-073362986	
12	40246715	-073371145	
13	40242903	-073387263	
14	40255721	-073395238	
15	40269658	-073384114	
16	40269290	-073373326	
17	40271056	-073349029	
18	40275173	-073348942	
19	40268830	-073335584	
20	40270855	-073332859	
21	40274973	-073332271	
22	40274939	-073330070	
23A	40281183	-073335320	
23B	40281183	-073335320	
24	40283409	-073348769	
25	40291743	-073356685	
26	40291874	-073367471	
27	40294029	-073375518	
28	40287916	-073381036	
29	40283798	-073381120	
30	40292650	-073434854	
31	40284850	-073454013	
32	40293114	-073462080	
33	40278911	-073499806	
34	40271882	-073498812	
35	40270474	-073486336	
36	40254250	-073502676	
37	40254263	-073516452	
38	40231700	-073497477	
39	40229155	-073481792	
40	40247912	-073489422	
41	40245542	-073465116	
42	40247742	-073449012	
43	40257681	-073436148	
44	40253345	-073416586	
45	40253663	-073405725	
46.	40272022	-073432500	
47	40272295	-073465002	
48	40234930	-073500147	
49A	40234911	-073480089	
49B	40234792	-073479777	
50	40234792	-073460064	
51	40234825	-073439311	
52	40234880	-073419766	
53A	40234844	-073400155	

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* William C. Schwab * Phone: 508-457-2299=
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