#95010

1) **SHIP NAME**: O.S.V. Peter W. Anderson/U.S.Environmental Protection Agency(EPA)/Mar,Inc.

2)**CRUISE LEG**: Andr95010

3) **PROJECT NUMBER AND NAME**: 9470-31418; Long Island Sound Marine Geologic Studies

4) **FUNDING AGENCY**: Ship costs-U.S.EPA/Other costs-USGS

5) **CONTRACT**: n/a

6) **AREA OF OPERATIONS**: Long Island Sound

7) **DATES AND PORTS OF CALL**: 4-4-95 to 4-12-95.
Woods Hole,Mass. to Woods Hole,Mass.

8) **CHIEF SCIENTIST**: R.Rendigs
BRANCH PRINCIPAL: H.Knebel

9) **SCIENTIFIC PARTY**: RickRendigs-Marine Geologist
Ken Parolski-Physical Scientist
VeeAnn Cross-Marine Geologist
Barbara Seekins-Physical Scientist Technician
Brenton Taylor-Physical Scientist Technician

10) **SHIP'S CAPTAIN**: Cptn. Mark Strout-U.S.EPA

11)**PURPOSE OF CRUISE**: Side scan sonar survey to define the bottom sedimentary environments of Long Island Sound.

12) **NAVIGATION TECHNIQUES**: Differential Geographical Positioning System(GPS).

13) **SCIENTIFIC EQUIPMENT**: Datasonics SIS-1000 sidescan sonar system
Chirplink data acquistion system
Seismic data processing systems
Dynacon winch
Benthos DS-7000 acoustic deck set
ORE multibeam transponder
EPC 9800 seismics recorder

13) **SCIENTIFIC EQUIPMENT**: Differential GPS navigation system and peripherals
Innerspace Technology depth recorder(EPA)
Sidemount bathymetric and sidescan fish layback system

14) **TABULATED INFORMATION**:

Days at sea: 8
Continuous survey line distance(km): 1066(approx)
Stations surveyed: 50

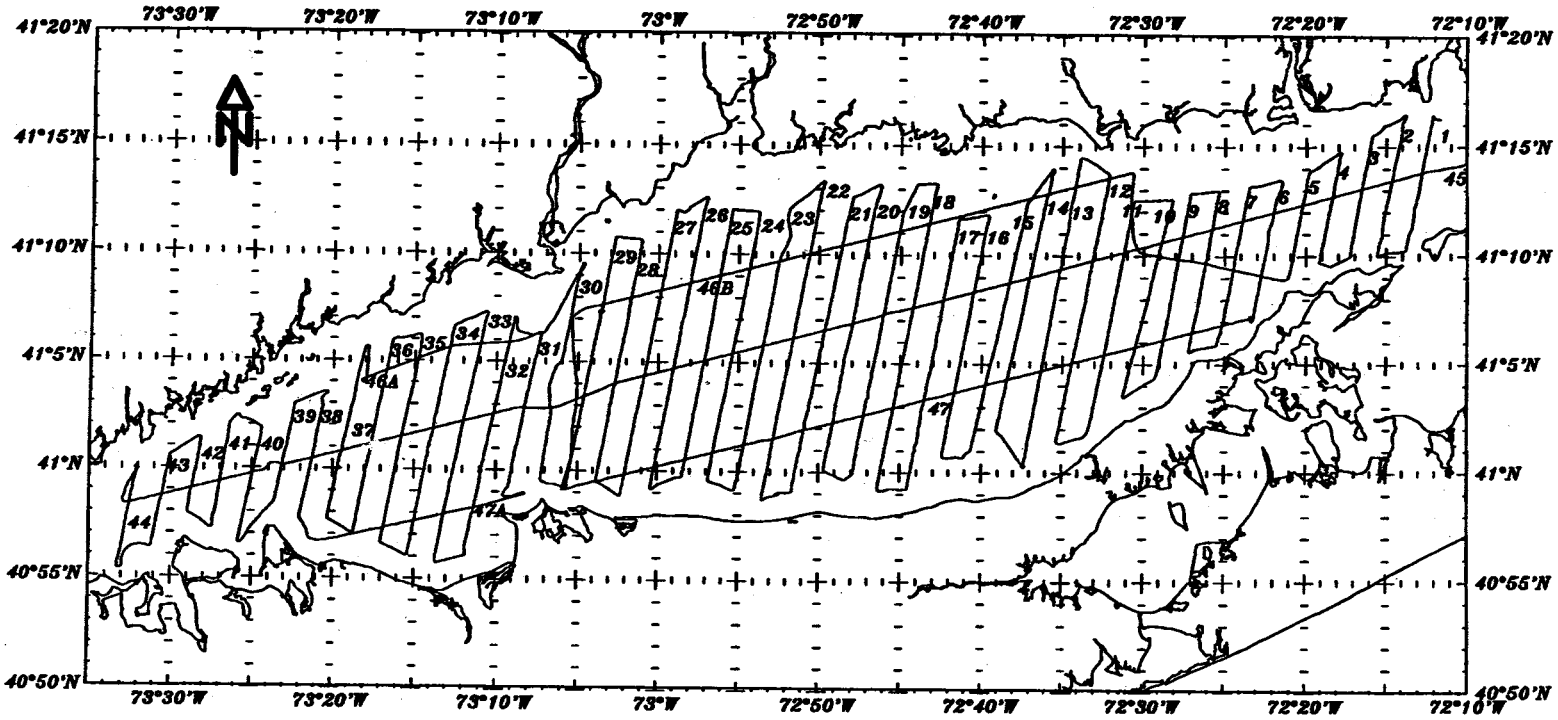
Line#	JD/Start	JD/End
1	102/1227 41°10.25' 72°13.70'	102/1344 41°16.90' 72°11.98'
2	102/1053 41°16.50' 72°13.82'	102/1205 41°10.00' 72°15.63'
3	102/922 41°09.82' 72°17.36'	102/1026 41°15.50' 72°15.90'
4	102/0746 41°14.80' 72°17.82'	102/0854 41°09.30' 72°19.30'
5	102/0621 41°08.86' 72°21.13'	102/0721 41°13.90' 72°19.80'
6	101/1451 41°13.50' 72°21.60'	101/1621 41°07.10' 72°23.30'
7	101/1307 41°05.90' 72°25.40'	101/1428 41°13.20' 72°23.50'
8	101/1054 41°13.00' 72°25.30'	101/1246 41°05.40' 72°27.30'

Line#	JD/Start	JD/End
9	101/0900 41°04.37' 72°29.00'	101/1049 41°13.00' 72°27.05'
10	101/0639 41°12.60' 72°28.89'	101/0832 41°03.50' 72°31.30'
11	101/0358 41°01.60' 72°33.45'	101/0616 41°12.50' 72°30.60'
12	101/0059 41°13.70' 72°32.10'	101/0342 41°00.70' 72°35.55'
13	100/2155 41°00.39' 72°37.40'	101/0040 41°14.08' 72°33.80'
14	100/1903 41°14.00' 72°35.58'	100/2111 41°02.00' 72°39.10'
15	100/1612 41°00.58' 72°40.00'	100/1832 41°12.40' 72°37.20'
16	100/1321 41°11.85' 72°39.60'	100/1545 41°00.60' 72°42.50'
17	100/1024 40°50.20' 72°44.60'	100/1305 41°13.45' 72°39.60'
18	100/0713 41°13.30' 72°42.80'	100/1004 40°59.30' 72°46.40'

Line#	JD/Start	JD/End
19	100/0400 40°59.50' 72°48.06'	100/0700 41°13.30' 72°44.52'
20	100/0041 41°13.30' 72°46.35'	100/0337 41°00.00' 72°49.74'
21	099/2130 40°59.02' 72°51.71'	100/0021 41°12.70' 72°48.00'
22	099/1830 41°13.40' 72°49.75'	099/2100 40°58.70' 72°53.54'
23	099/1445 40°59.10' 72°55.20'	099/1729 41°12.10' 72°51.88'
24	099/1159 41°11.90' 72°53.70'	099/1430 40°59.55' 72°56.90'
25	099/0915 40°59.70' 72°58.50'	099/1141 41°12.05' 72°55.42'
26	099/0604 41°12.60' 72°57.06'	099/0852 40°59.18' 73°00.45'
27	099/0248 40°58.85' 73°02.30'	099/0542 41°12.40' 72°58.80'
28	099/0009 41°10.55' 73°01.45'	099/0230 40°59.20' 73°03.85'

Line#	JD/Start	JD/End
29	98/2102 40°59.20' 73°03.85'	98/2355 41°10.80' 73°01.05'
30A	98/1843 41°09.30' 73°04.90'	98/1915 41°05.09' 73°06.00'
30B	98/1942 41°02.80' 73°06.60'	98/2043 40°59.60' 73°07.30'
31	97/2341 41°06.50' 73°07.25'	98/0100 40°58.80' 73°09.40'
32	98/1510 40°55.94' 73°12.00'	98/1721 41°07.40' 73°08.80'
33	98/1210 41°07.20' 73°10.60'	98/1445 40°55.78' 73°13.75'
34	98/0937 40°56.00' 73°15.40'	98/1148 41°06.60' 73°12.60'
35	98/0723 41°06.30' 73°14.45'	98/0916 40°56.70' 73°17.00'
36	98/0530 40°57.00' 73°18.70'	98/0703 41°06.10' 73°16.30'
37	98/0311 41°05.95' 73°17.95'	98/0443 40°57.54' 73°20.38'

Line#	JD/Start	JD/End
38	97/2003 41°03.60' 73°20.43'	97/2103 40°57.80' 73°22.05'
39	97/1832 40°58.45' 73°23.60'	97/1931 41°03.00' 73°22.40'
40	97/1650 41°02.50' 73°24.20'	97/1758 40°56.60' 73°25.85'
41	97/1527 40°57.20' 73°27.50'	97/1626 41°02.50' 73°26.30'
42	97/1422 41°01.50' 73°28.10'	97/1508 40°57.95' 73°29.00'
43	97/1300 40°56.30' 73°31.20'	97/1340 41°00.50' 73°30.10'
44	97/1234 40°59.80' 73°32.10'	97/1242 40°55.30' 73°33.30'
45	96/2223 41°13.90' 72°12.40'	97/1112 40°58.30' 73°32.65'
46A	98/0115 41°06.10' 73°08.60'	98/0241 41°04.00' 73°19.40'
46B	102/0015 41°07.30' 73°05.40'	102/0506 41°13.80' 72°30.80'



5 0 5 10 15 KILOMETERS

5 0 5 10 15 NAUTICAL MILES

SCALE 1:10,000

Alber's Equal Area Projection

TRACKLINE MAP LONG ISLAND SOUND

ANDERSON 95010