#95002

CRUISE REPORT

1) **SHIP NAME:** RV John Dempsey, Connecticut Department of Environmental Protection

2) **CRUISE LEG:** JD95-2 (95002)

3) **PROJECT NUMBER AND NAME:** 9479-61419 Connecticut Cooperative/Long Island Sound Marine Studies

4) **FUNDING AGENCY:** Ship Costs: State of Connecticut, University of New Haven, USGS
Other Costs: Connecticut Cooperative

5) **CONTRACT:** N/A

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

7) **DATES AND PORTS OF CALL:**

8/23/95	Old Lyme, CT
8/24/95 - 8/28/95	Milford, CT
8/29/95	Old Lyme, CT

8) **CHIEF SCIENTIST/BRANCH PRINCIPAL:** L. Poppe

9) **SCIENTIFIC PARTY:**
L. Poppe - Marine Geologist, USGS
D. Blackwood - Photographer, USGS
R. Lewis - LISRC, CT-DEP
R. Zajac - UNH
M. Cohen - LISRC, CT-DEP
D. Toderlund - USCG
S. Wilson - UNH
D. Selger - UNH
R. Reuben - UNH
C. Dodson - UNH
J. Howald - UNH
J. Athey - UNH
A. Gallop - UNH

10) **SHIP'S CAPTAIN:** P. Simpson, CT-DEP

11) **PURPOSE OF CRUISE:** Bottom photography and sedimentological, geochemical, and biological sampling to define sedimentary environments and benthic habitats within areas of Long Island Sound previously covered by sidescan sonar surveys.

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

13) **Scientific Equipment:**
Expanded VanVeen grab sampler
Grab-mounted Osprey video camera system, w/ 8-mm Sony VCR
Grab-mounted still camera

Manually deployable, 12-conductor cable
486 Notebook computer, printer, and cables necessary to interface with the RV John Dempsey's GPS system

14) **TABULATED INFORMATION:**

Days at sea: 6

Stations Occupied:	Norwalk Survey	69
	Milford Survey	75
	Hammonasset Survey	20
		164
Samples Collected:	Textural	27
	Organics (LOI)	92
	Geochemical	48
	Biological	109

Station Locations:

NORWALK SURVEY

Latitude	Longitude	Sample ID
41d01.4274'	-73d16.9630'	NORAUG-35
41d01.4088'	-73d17.0471'	NORAUG-36
41d01.3801'	-73d17.1079'	NORAUG-34
41d01.1113'	-73d17.6003'	NORAUG-31
41d01.1450'	-73d17.7202'	NORAUG-32
41d01.1681'	-73d17.6758'	NORAUG-33
41d01.8189'	-73d17.8911'	NORAUG-75
41d01.6310'	-73d18.2846'	NORAUG-95
41d01.2427'	-73d18.6948'	NORAUG-94
41d00.9962'	-73d18.9369'	NORAUG-78
41d00.9006'	-73d18.4362'	NORAUG-28
41d00.9584'	-73d18.4478'	NORAUG-29
41d00.9694'	-73d18.4331'	NORAUG-30
41d00.5872'	-73d18.1689'	NORAUG-37
41d00.5710'	-73d18.1996'	NORAUG-38
41d00.5072'	-73d18.2838'	NORAUG-39
40d59.9851'	-73d18.1299'	NORAUG-46
41d00.0271'	-73d18.0843'	NORAUG-47
41d00.0169'	-73d18.0883'	NORAUG-48
41d00.1565'	-73d17.1883'	NORAUG-49
41d00.2249'	-73d17.2259'	NORAUG-50
41d00.0061'	-73d17.2544'	NORAUG-51
41d00.3213'	-73d16.5303'	NORAUG-52
41d00.3164'	-73d16.3808'	NORAUG-53
41d00.4255'	-73d16.4588'	NORAUG-54
41d01.2295'	-73d16.4741'	NORAUG-93
41d00.9008'	-73d16.8741'	NORAUG-43

41d01.0445'	-73d16.7658'	NORAUG-44
41d01.0274'	-73d16.6624'	NORAUG-45
41d00.7466'	-73d16.7543'	NORAUG-92
41d00.6814'	-73d17.3366'	NORAUG-40
41d00.6042'	-73d17.4175'	NORAUG-41
41d00.7137'	-73d17.3497'	NORAUG-42
41d01.1875'	-73d19.4876'	NORAUG-96
41d01.6031'	-73d19.5809'	NORAUG-97
41d01.9361'	-73d19.7181'	NORAUG-98
41d02.2025'	-73d19.5934'	NORAUG-1
41d02.2105'	-73d19.7512'	NORAUG-2
41d02.2157'	-73d19.5948'	NORAUG-3
41d02.5726'	-73d19.7707'	NORAUG-4
41d02.6429'	-73d19.8369'	NORAUG-5
41d02.6049'	-73d19.7638'	NORAUG-6
41d03.0891'	-73d20.0023'	NORAUG-7
41d03.1190'	-73d20.0984'	NORAUG-8
41d03.0409'	-73d20.0828'	NORAUG-9
41d03.7803'	-73d19.2819'	NORAUG-103
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41d03.6449'	-73d18.6558'	NORAUG-11
41d03.5659'	-73d18.6101'	NORAUG-12
41d03.3448'	-73d18.9397'	NORAUG-101
41d03.1243'	-73d18.4776'	NORAUG-13
41d03.1271'	-73d18.3605'	NORAUG-14
41d03.1687'	-73d18.4157'	NORAUG-15
41d02.5892'	-73d18.5055'	NORAUG-100
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41d02.6289'	-73d18.1983'	NORAUG-17
41d02.6506'	-73d18.1728'	NORAUG-18
41d02.7161'	-73d17.5735'	NORAUG-19
41d02.6921'	-73d17.5645'	NORAUG-20
41d02.7995'	-73d17.6687'	NORAUG-21
41d03.4453'	-73d17.7610'	NORAUG-22
41d03.4533'	-73d17.7840'	NORAUG-23
41d03.5379'	-73d17.7857'	NORAUG-24
41d03.8342'	-73d18.1329'	NORAUG-25
41d03.7969'	-73d18.1516'	NORAUG-27
41d03.7244'	-73d18.0116'	NORAUG-26

MILFORD SURVEY

41d04.4620'	-73d03.0092'	MILAUG-38
41d02.4680'	-73d04.3529'	MILAUG-73
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41d03.0778'	-73d04.4196'	MILAUG-83
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41d03.4109'	-73d04.4401'	MILAUG-76
41d03.3541'	-73d04.3692'	MILAUG-77
41d03.4908'	-73d04.4950'	MILAUG-68

41d03.5253'	-73d04.5508'	MILAUG-69
41d03.5412'	-73d04.5305'	MILAUG-70
41d03.6385'	-73d04.1112'	MILAUG-89
41d03.7477'	-73d04.0426'	MILAUG-90
41d03.6648'	-73d04.1246'	MILAUG-91
41d03.3943'	-73d04.0967'	MILAUG-96
41d03.3424'	-73d04.0262'	MILAUG-97
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41d03.1397'	-73d04.0375'	MILAUG-104
41d03.0798'	-73d04.1644'	MILAUG-105
41d04.1703'	-73d04.3525'	MILAUG-46
41d04.3629'	-73d04.4272'	MILAUG-74
41d04.5596'	-73d04.6127'	MILAUG-78
41d04.5207'	-73d05.3219'	MILAUG-79
41d04.7961'	-73d05.2990'	MILAUG-80
41d03.8103'	-73d03.6157'	MILAUG-124
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41d03.4088'	-73d03.7923'	MILAUG-117
41d03.5102'	-73d03.6127'	MILAUG-118
41d03.4437'	-73d03.6747'	MILAUG-119
41d03.1695'	-73d03.5786'	MILAUG-110
41d03.2194'	-73d03.6188'	MILAUG-111
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41d06.4782'	-73d04.3338'	MILAUG-56
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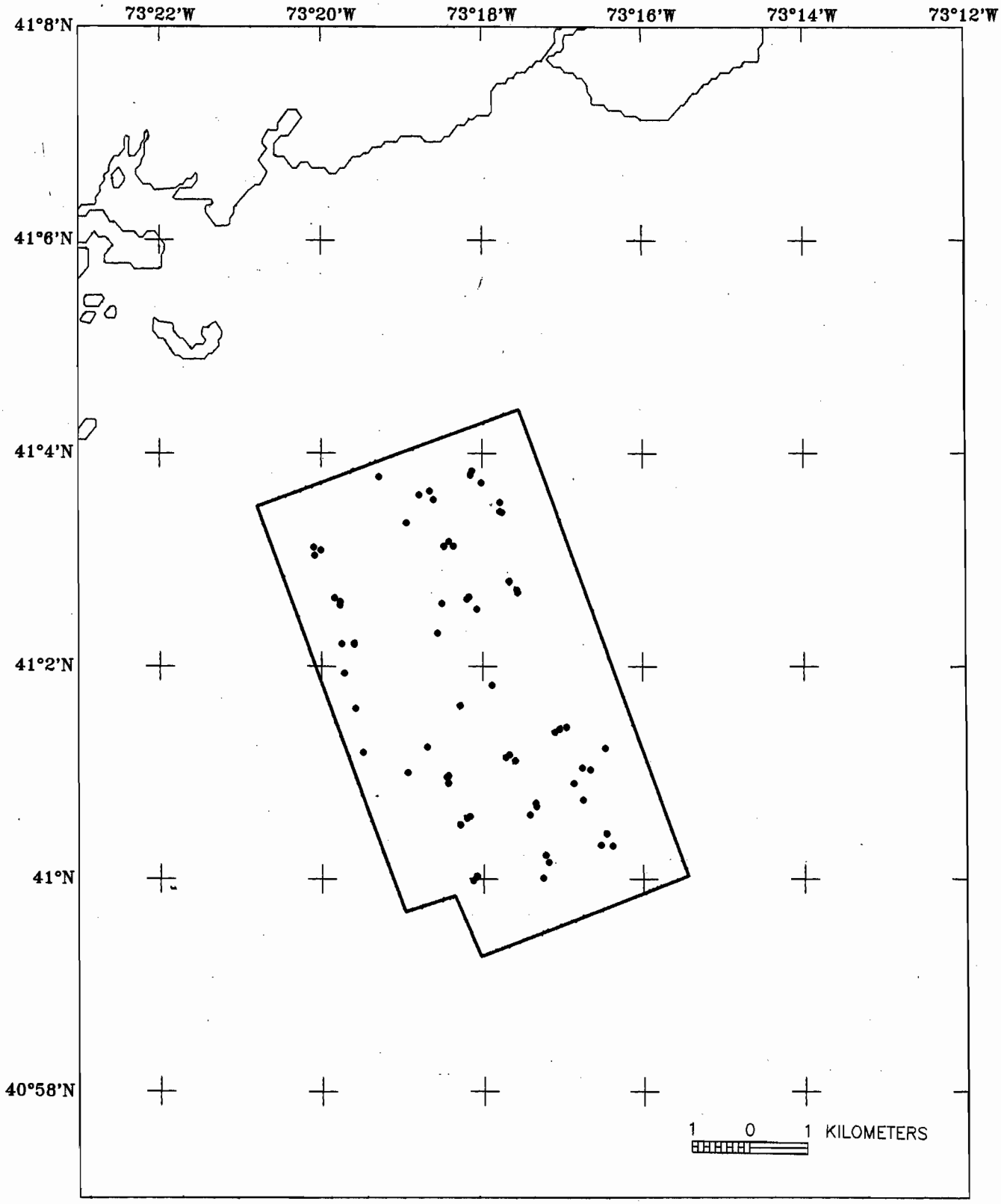
41d06.5269'	-73d05.4350'	MILAUG-27
41d06.4652'	-73d05.5934'	MILAUG-28
41d06.1811'	-73d05.1931'	MILAUG-33
41d06.2683'	-73d05.2380'	MILAUG-34
41d06.2882'	-73d05.1356'	MILAUG-35

41d06.0270'	-73d05.7879'	MILAUG-19
41d06.0251'	-73d05.8152'	MILAUG-20
41d06.1165'	-73d05.9040'	MILAUG-21
41d05.8717'	-73d05.5279'	MILAUG-85
41d06.5209'	-73d05.9885'	MILAUG-7
41d06.426'	-73d05.892'	MILAUG-6
41d06.3954'	-73d05.8486'	MILAUG-5
41d06.2005'	-73d05.6803'	MILAUG-12
41d06.2965'	-73d05.9199'	MILAUG-13
41d06.2311'	-73d05.7692'	MILAUG-14
41d05.6576'	-73d04.1483'	MILAUG-22
41d05.8146'	-73d03.4722'	MILAUG-15
41d06.2063'	-73d03.3595'	MILAUG-93

HAMMONASSET SURVEY

41d14.8074'	-72d35.5600'	HAMAUG-38
41d14.9803'	-72d34.9116'	HAMAUG-39
41d15.1823'	-72d34.8970'	HAMAUG-40
41d15.4864'	-72d34.7619'	HAMAUG-41
41d15.7025'	-72d33.9380'	HAMAUG-50
41d15.5986'	-72d33.9177'	HAMAUG-51
41d15.4307'	-72d33.5985'	MILAUG-58
41d15.3214'	-72d33.8701'	HAMAUG-53
41d15.0870'	-72d33.4701'	HAMAUG-63
41d14.9859'	-72d34.3738'	HAMAUG-47
41d14.5683'	-72d34.9781'	HAMAUG-35
41d14.5199'	-72d33.9941'	HAMAUG-30
41d14.0133'	-72d34.3574'	HAMAUG-37
41d13.6322'	-72d33.7129'	HAMAUG-19
41d14.1086'	-72d33.6928'	HAMAUG-15
41d14.7887'	-72d34.1379'	HAMAUG-28
41d14.6062'	-72d33.1278'	HAMAUG-62
41d14.2535'	-72d32.6627'	HAMAUG-10
41d14.0390'	-72d31.7358'	HAMAUG-8
41d14.3115'	-72d31.6851'	HAMAUG-3

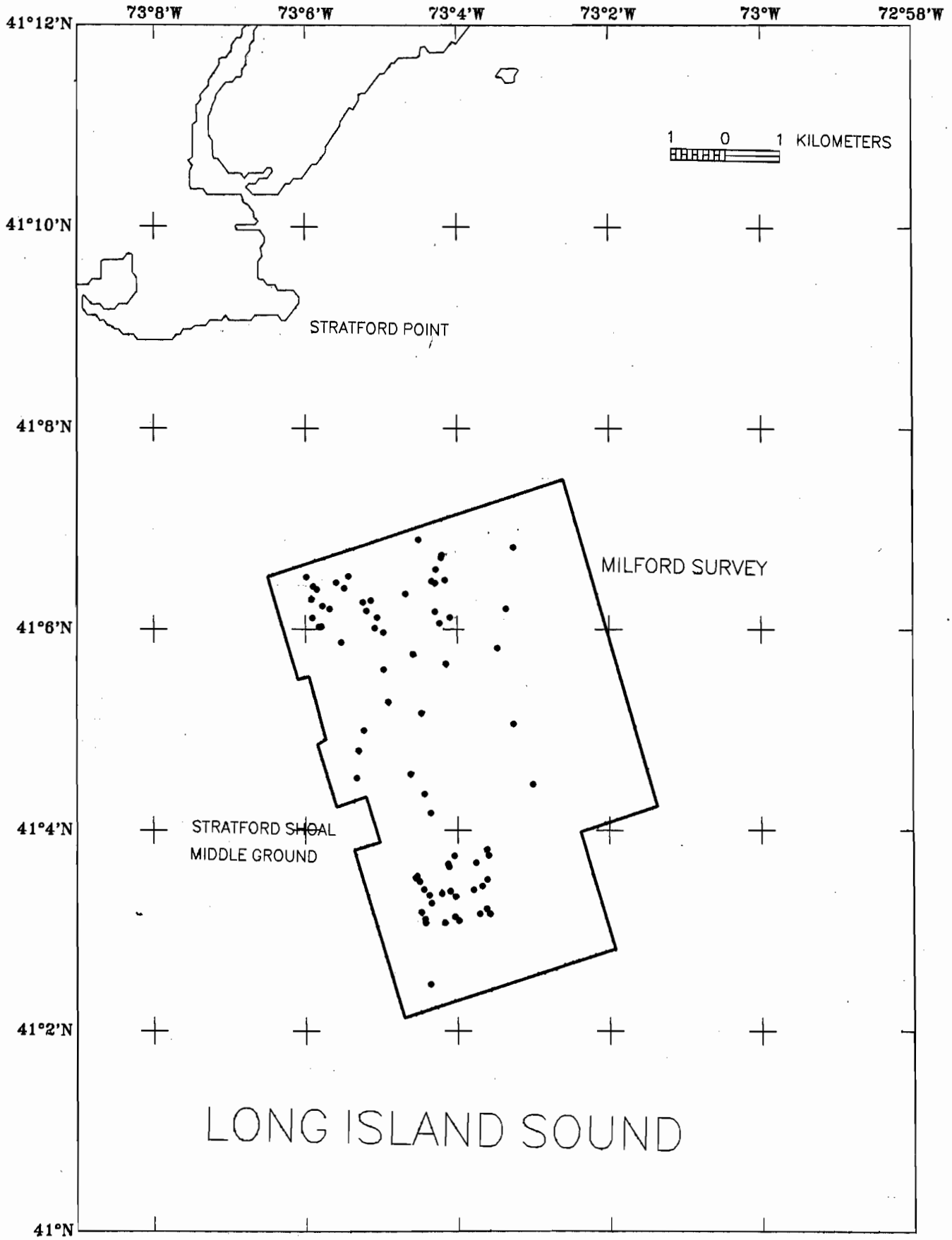
15) **SUBMITTED BY:** L. Poppe



NORWALK SURVEY

Universal Transverse Mercator Projection

Scale 1:100,000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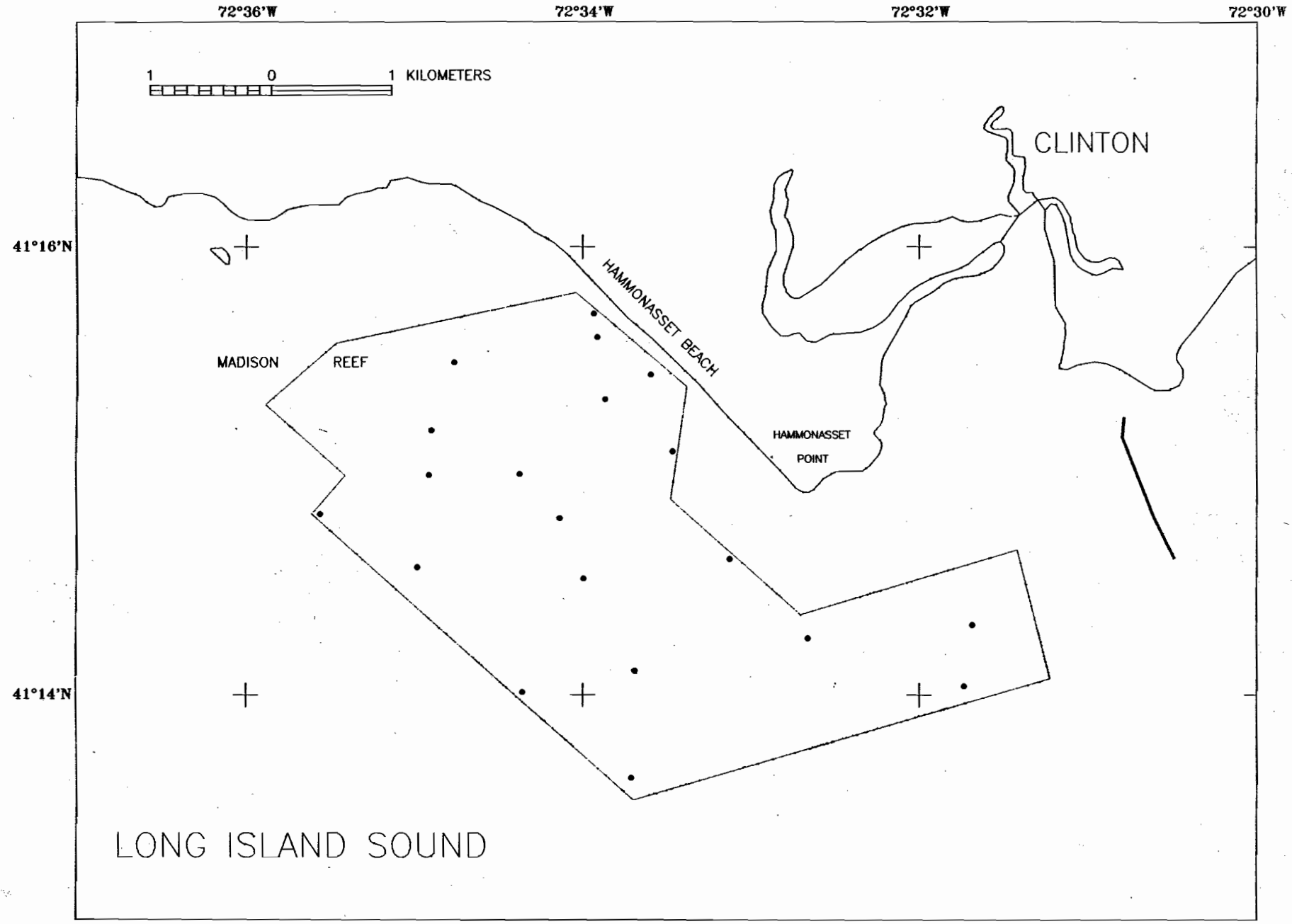
73°6'W
73°4'W
73°2'W
73°W
72°58'W
41°12'N
41°10'N
41°8'N
41°6'N
41°4'N
41°2'N
41°N
1 0 1 KILOMETERS
STRATFORD POINT
MILFORD SURVEY
STRATFORD SHOAL
MIDDLE GROUND
LONG ISLAND SOUND


72°36'W
72°34'W
72°32'W
72°30'W
41°16'N
41°14'N
1 0 1 KILOMETERS
CLINTON
HAMMONASSET BEACH
HAMMONASSET POINT
MADISON REEF
LONG ISLAND SOUND