#95001

CRUISE REPORT

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

2) **CRUISE LEG:** JD95-1 (95001)

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:**

4/25/95	Old Lyme, CT
4/26/95 - 5/02/95	Milford, CT
5/03/95	Milford, 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
J. Dogiallo - UNH
C. Dodson - UNH
J. Howald - UNH
N. Zackeo - 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: 7

Stations Occupied:	Norwalk Survey	91
	Milford Survey	97
	Hammonasset Survey	~~60~~ 298
Samples Collected:	Textural	176
	Organics (LOI)	175
	Geochemical	43
	Biological	162

Station Locations:

NORWALK SURVEY

Latitude	Longitude	Sample ID
41d00.6837′	-73d17.4135′	NOR42
41d01.4712′	-73d16.9847	NOR34
41d01.4042′	-73d16.9091′	NOR35
41d01.3405′	-73d17.0038′	NOR36
41d01.4545′	-73d16.4605′	NOR71
41d01.7373′	-73d16.7427′	NOR72
41d01.5322′	-73d17.5465′	NOR74
41d01.2418′	-73d17.6396′	NOR31
41d01.2058′	-73d17.5880′	NOR32
41d01.2034′	-73d17.5926′	NOR33
41d01.384′	-73d18.254′	NOR76
41d01.1483′	-73d18.2534′	NOR77
41d00.9202′	-73d18.4396′	NOR28
41d00.9325′	-73d18.3194′	NOR29
41d00.8952′	-73d18.3580′	NOR30
41d01.0133′	-73d18.9503′	NOR78
41d01.120′	-73d19.228′	NOR79
41d00.7891′	-73d19.3262′	NOR84
41d00.5275′	-73d18.2365′	NOR37
41d00.4869′	-73d18.3262′	NOR38
41d00.4809′	-73d18.2125′	NOR39
41d00.2937′	-73d18.8538′	NOR85
41d00.0488′	-73d18.7064′	NOR86
41d00.0528′	-73d18.2039′	NOR46
41d00.022′	-73d18.177′	NOR47
41d00.0231′	-73d18.1439′	NOR48
40d59.8239′	-73d18.6358′	NOR87

40d59.544′	-73d17.473′	NOR88
41d00.657′	-73d17.472′	NOR40
41d00.642′	-73d17.400′	NOR41
41d00.7766′	-73d17.8501′	NOR89
41d00.8937′	-73d17.7442′	NOR90
41d00.2700′	-73d17.2042′	NOR49
41d00.1895′	-73d17.2410′	NOR50
41d00.1884′	-73d17.2022′	NOR51
41d00.3410′	-73d16.3905′	NOR52
41d00.3091′	-73d16.4743′	NOR53
41d00.2651′	-73d16.5227′	NOR54
41d00.7825′	-73d16.1928′	NOR91
41d00.9821′	-73d16.8031′	NOR43
41d01.0118′	-73d16.7280′	NOR44
41d00.946′	-73d16.717′	NOR45
41d01.8947′	-73d17.2119′	NOR73
41d01.808′	-73d17.913′	NOR75
41d01.4373′	-73d19.0683′	NOR80
41d01.8494′	-73d19.3202′	NOR81
41d02.185′	-73d19.586′	NOR1
41d02.2687′	-73d19.6058′	NOR2
41d02.2473′	-73d19.6574′	NOR3
41d02.1316′	-73d18.9559′	NOR65
41d01.8844′	-73d18.8452′	NOR82
41d01.8069′	-73d18.6665′	NOR83
41d02.6311′	-73d18.1674′	NOR16
41d02.5848′	-73d18.2203′	NOR17
41d02.5973′	-73d18.1639′	NOR18
41d02.1241′	-73d18.1366′	NOR66
41d02.2259′	-73d17.5356′	NOR70
41d02.6582′	-73d17.1056′	NOR68
41d02.7840′	-73d17.6918′	NOR19
41d02.770′	-73d17.680′	NOR20
41d02.6967′	-73d17.6656′	NOR21
41d02.8339′	-73d17.9947′	NOR67
41d03.0042′	-73d17.2983′	NOR57
41d03.284′	-73d17.083′	NOR69
41d03.8102′	-73d18.1663′	NOR25
41d03.7684′	-73d18.1209′	NOR26
41d03.7633′	-73d18.9743′	NOR27
41d03.8823′	-73d17.7058′	NOR55
41d03.625′	-73d17.540′	NOR56
41d03.470′	-73d17.865′	NOR22
41d03.4493′	-73d17.7712′	NOR23
41d03.412′	-73d17.794′	NOR24
41d03.5953′	-73d18.6061′	NOR10
41d03.5403′	-73d18.6072′	NOR11
41d03.5656′	-73d18.6222′	NOR12
41d034467′	-73d19.4473	NOR58
41d03.436′	-73d19.654′	NOR59
41d03.327′	-73d20.132′	NOR60
41d03.101′	-73d20.060′	NOR7

41d03.094′	-73d20.002′	NOR8
41d03.020′	-73d19.980′	NOR9
41d02.333′	-73d19.992′	NOR61
41d02.628′	-73d19.872′	NOR4
41d02.592′	-73d19.798′	NOR5
41d02.645′	-73d19.851′	NOR6
41d02.905′	-73d19.125′	NOR62
41d02.613′	-73d19.095′	NOR63
41d02.442′	-73d19.098′	NOR64
41d03.120′	-73d18.442′	NOR13
41d03.101′	-73d18.517′	NOR14
41d03.110′	-73d18.439′	NOR15

MILFORD SURVEY

Latitude	Longitude	Sample ID
41d04.8688′	-73d02.7285′	MIL37
41d04.4098′	-73d03.0107′	MIL38
41d03.9936′	-73d3.5542′	MIL65
41d03.789′	-73d03.600′	MIL124
41d03.7831′	-73d03.6996′	MIL125
41d03.7429′	-73d03.6833′	MIL126
41d03.6193′	-73d04.1146′	MIL91
41d03.6342′	-73d04.1846′	MIL90
41d03.7022′	-73d04.2153′	MIL89
41d03.5461′	-73d04.5095′	MIL68
41d03.4589′	-73d04.5201′	MIL69
41d03.4706′	-73d04.5010′	MIL70
41d03.3360′	-73d04.3631′	MIL75
41d03.2828′	-73d04.3741′	MIL76
41d03.2726′	-73d04.3266′	MIL77
41d03.1397′	-73d04.3898′	MIL82
41d03.1325′	-73d04.2915′	MIL83
41d03.0814′	-73d04.2781′	MIL84
41d02.774′	-73d04.304′	MIL72
41d02.4334′	-73d04.3165′	MIL73
41d02.6668′	-73d03.4375′	MIL71
41d02.870′	-73d02.570′	MIL67
41d03.3376′	-73d02.7066′	MIL66
41d03.406′	-73d04.062′	MIL96
41d03.3307′	-73d04.0714′	MIL97
41d03.3715′	-73d04.0025′	MIL98
41d03.1145′	-73d04.1625′	MIL103
41d03.1219′	-73d04.0834′	MIL104
41d03.0604′	-73d04.1152′	MIL105
41d03.2741′	-73d03.7251′	MIL110
41d03.2006′	-73d03.7131′	MIL111
41d03.2008′	-73d03.6153′	MIL112
41d03.4580′	-73d03.6531′	MIL117

41d03.4218′	-73d03.6826′	MIL118
41d03.500′	-73d03.651′	MIL119
41d03.272′	-73d04.964′	MIL64
41d03.5094′	-73d04.8237′	MIL60
41d03.0182′	-73d02.9608′	MIL39
41d04.3113′	-73d02.2789′	MIL36
41d05.0431′	-73d03.2957′	MIL16
41d04.6959′	-73d03.8609′	MIL43
41d05.012′	-73d04.022′	MIL18
41d05.1632′	-73d04.476′	MIL24
41d05.0180′	-73d05.0285′	MIL29
41d05.3726′	-73d04.5351′	MIL23
41d05.005′	-73d04.908′	MIL25
41d05.1733′	-73d05.4228′	MIL32
41d06.2651′	-73d06.1463′	MIL1
41d06.497′	-73d05.909′	MIL5
41d06.476′	-73d05.8610′	MIL6
41d06.396′	-73d05.870′	MIL7
41d06.531′	-73d05.470′	MIL26
41d06.515′	-73d05.441′	MIL27
41d06.442′	-73d05.529′	MIL28
41d06.671′	-73d04.994′	MIL2
41d06.691′	-73d04.165′	MIL47
41d06.705′	-73d04.232′	MIL48
41d06.623′	-73d04.213′	MIL49
41d06.921′	-73d03.682′	MIL3
41d06.367′	-73d03.770′	MIL4
41d06.815′	-73d03.118′	MIL8
41d06.690′	-73d03.018′	MIL9
41d06.4662′	-73d04.2571′	MIL54
41d06.4517′	-73d04.1382′	MIL55
41d06.4314′	-73d04.2370′	MIL56
41d06.1651′	-73d04.2393′	MIL61
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41d06.0753′	-73d04.2917′	MIL63
41d05.6264′	-73d04.1702′	MIL22
41d03.7748′	-73d04.6269′	MIL59
41d03.8996′	-73d04.8714′	MIL58
41d04.1538′	-73d04.7555′	MIL60
41d04.3660′	-73d04.9137′	MIL51
41d04.1716′	-73d04.3998′	MIL46
41d04.541′	-73d04.313′	MIL45
41d04.5944′	-73d03.9542′	MIL44
41d04.5326′	-73d04.3270′	MIL52
41d04.6512′	-73d05.1174′	MIL53
41d04.6411′	-73d05.6349′	MIL57
41d06.2810′	-73d05.4781′	MIL12
41d06.2225′	-73d05.8186′	MIL13
41d06.2514′	-73d05.7510′	MIL14
41d06.109′	-73d05.922′	MIL19
41d06.0449′	-73d05.7947′	MIL20
41d06.0383′	-73d05.8961′	MIL21

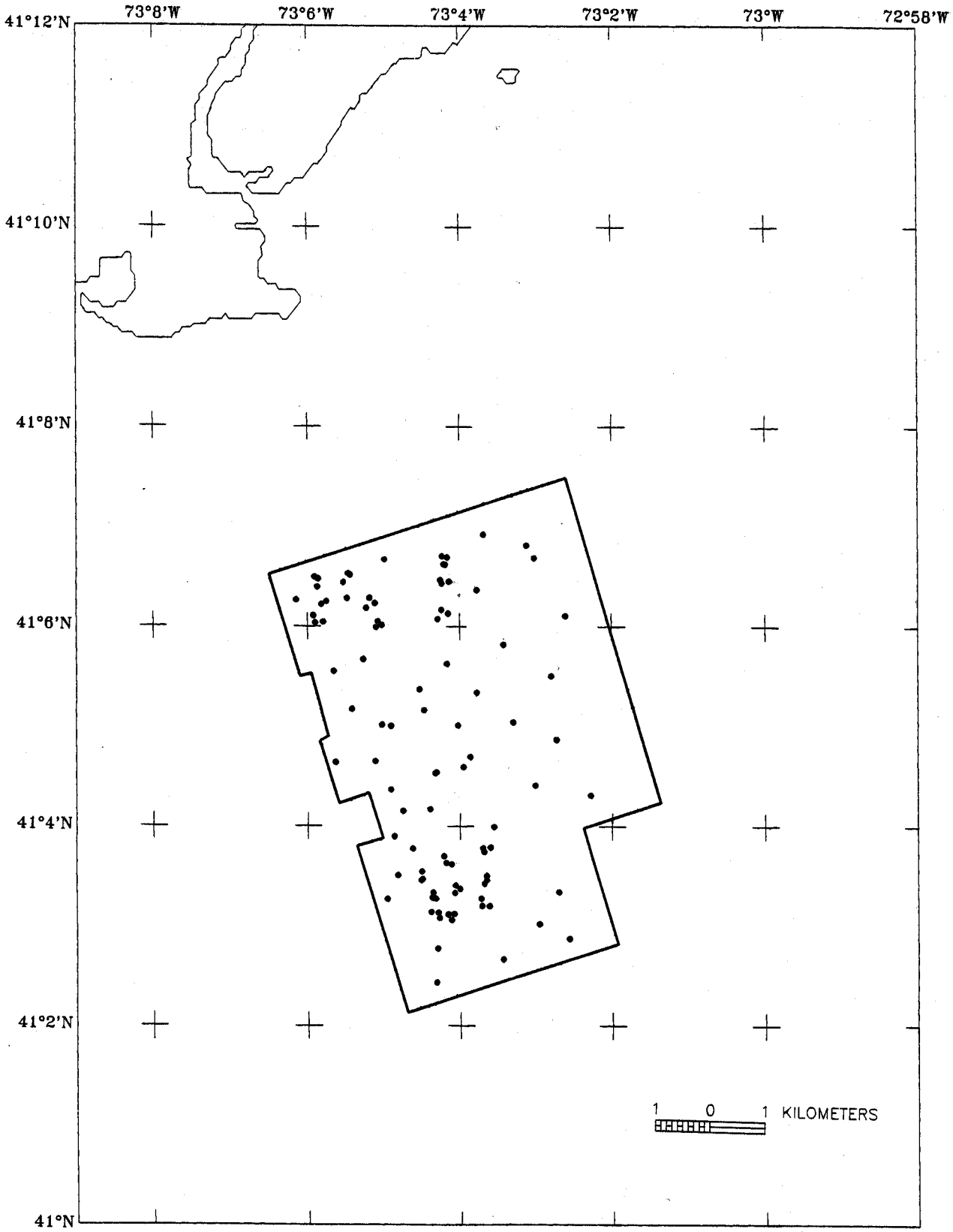
41d05.5522′	-73d05.6595′	MIL31
41d05.6687′	-73d05.2733′	MIL30
41d06.2844′	-73d05.1865′	MIL33
41d06.2317′	-73d05.1167′	MIL34
41d06.1850′	-73d05.2279′	MIL35
41d06.0513′	-73d05.0801′	MIL40
41d06.015′	-73d05.030′	MIL41
41d05.9949′	-73d05.1023′	MIL42
41d06.6199′	-73d04.1894′	MIL49B
41d05.3398′	-73d03.7761′	MIL17
41d05.821′	-73d03.422′	MIL15
41d05.5071′	-73d02.7992′	MIL11
41d06.1101′	-73d02.6091′	MIL10

HAMMONASSET SURVEY

Latitude	Longitude	Sample ID
41d14.5434′	-72d31.3972′	HAM1
41d14.2700′	-72d31.3890′	HAM2
41d14.2918′	-72d31.7435′	HAM3
41d14.381′	-72d32.008′	HAM4
41d14.2763′	-72d32.0699′	HAM5
41d14.2760′	-72d32.0651′	HAM6
41d14.0623′	-72d32.2182′	HAM8
41d13.9410′	-72d32.1959′	HAM9
41d14.2624′	-72d32.5845′	HAM10
41d14.0846′	-72d32.6720′	HAM11
41d13.8370′	-72d32.6573′	HAM12
41d13.7610′	-72d33.1016′	HAM17
41d14.0293′	-72d33.1448′	HAM16
41d14.1899′	-72d33.0932′	HAM14
41d14.4132′	-72d32.8432′	HAM13
41d14.5177′	-72d33.1219′	HAM22
41d14.330′	-72d33.436′	HAM27
41d14.1731′	-72d33.5144′	HAM15
41d13.9468′	-72d33.7002′	HAM18
41d13.6341′	-72d33.6907	HAM19
41d13.9857′	-72d34.3311′	HAM37
41d14.0693′	-72d33.9398′	HAM34
41d14.2585′	-72d33.7807′	HAM31
41d14.5267′	-72d33.4659′	HAM26
41d14.6788′	-72d33.3600′	HAM21
41d14.8188′	-72d33.5142′	HAM20
41d14.597′	-72d33.740′	HAM25
41d14.4805′	-72d33.9016′	HAM30
41d14.2541′	-72d34.2308′	HAM33
41d14.2519′	-72d34.6246′	HAM36
41d14.546′	-72d34.904′	HAM35
41d14.6560′	-72d34.5005′	HAM32
41d14.6145′	-72d34.0395′	HAM29

41d14.7416′	-72d33.8404′	HAM24
41d34.7819′	-72d34.1648′	HAM28
41d14.8564′	-72d33.8333′	HAM23
41d14.966′	-72d34.422′	HAM47
41d14.7861′	-72d35.4276′	HAM38
41d14.9566′	-72d34.8832′	HAM39
41d15.1899′	-72d34.8856′	HAM40
41d15.2818′	-72d35.5240′	HAM44
41d15.3073′	-72d35.6461′	HAM45
41d15.3010′	-72d35.7979′	HAM46
41d15.3160′	-72d35.5181′	HAM46A
41d15.5115′	-72d35.0273′	HAM43
41d15.6511′	-72d34.8394′	HAM42
41d15.4702′	-72d34.7522′	HAM41
41d15.2725′	-72d34.4900′	HAM48
41d15.616′	-72d34.369′	HAM49
41d15.7036′	-72d33.9559′	HAM50
41d15.6246′	-72d33.9555′	HAM51
41d15.519′	-72d34.038′	HAM52
41d15.3222′	-72d33.9356′	HAM53
41d15.1633′	-72d34.0809′	HAM54
41d15.056′	-72d33.761′	HAM55
41d15.4433′	-72d33.7356′	HAM56
41d15.3968′	-72d33.7490′	HAM57
41d15.4457′	-72d33.7233′	HAM58
41d15.314′	-72d33.633′	HAM59
41d15.228′	-72d33.612′	HAM60
41d15.365′	-72d33.520′	HAM61

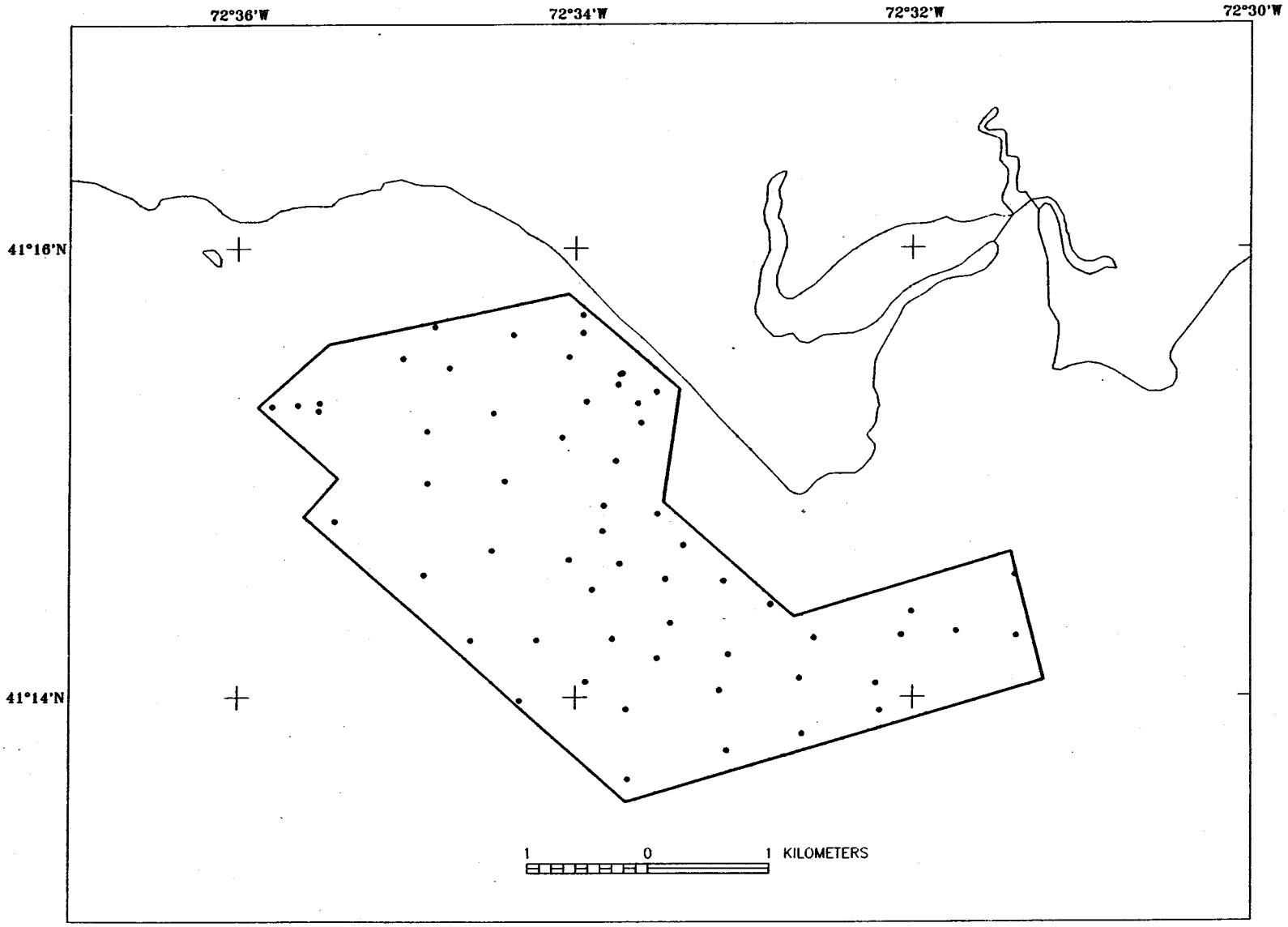
15) **SUBMITTED BY:** L. Poppe



MILFORD SURVEY

Universal Transverse Mercator Projection

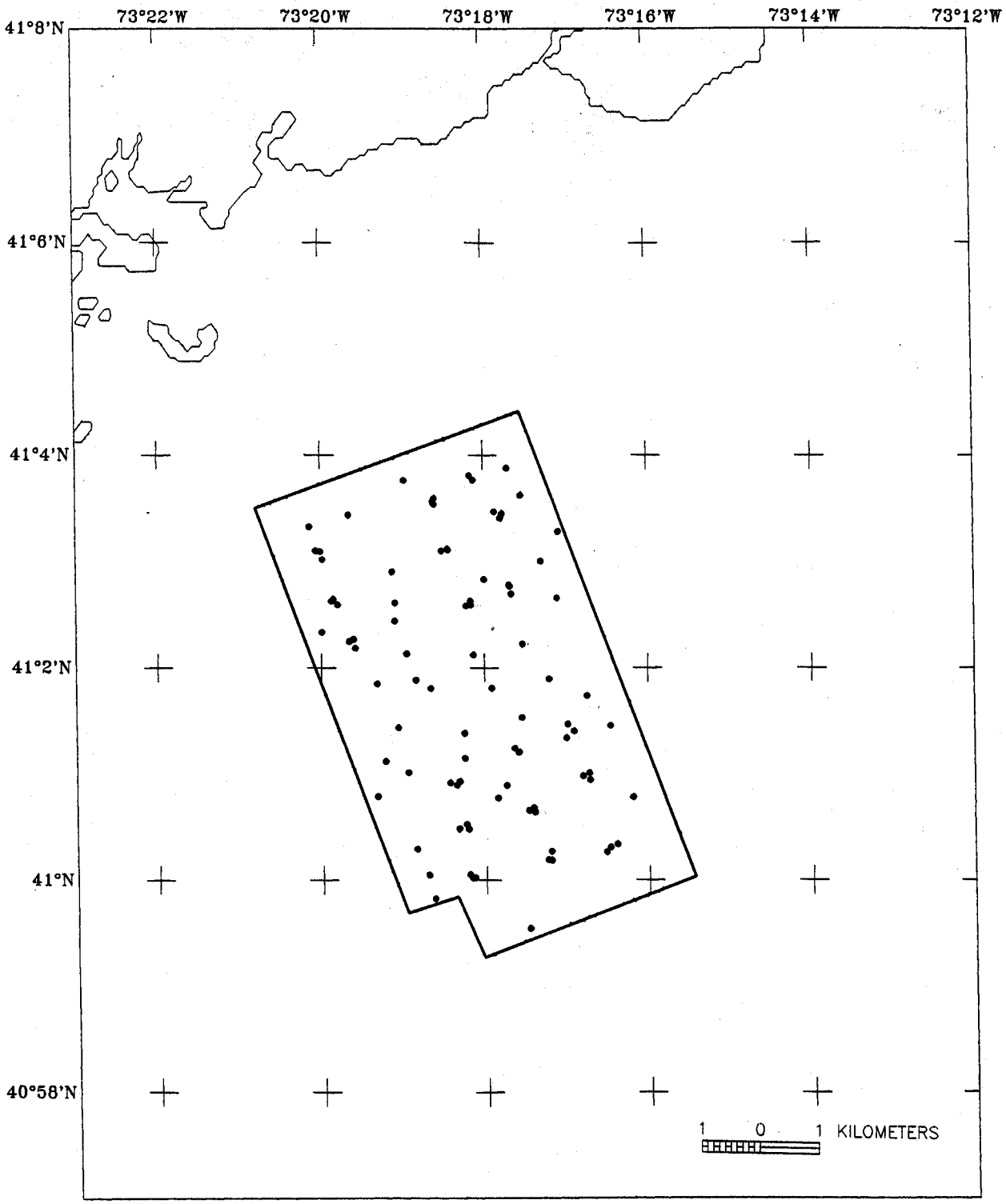
Scale 1:100,000



HAMMONASSET SURVEY

Mercator Projection

Scale 1:40,000



NORWALK SURVEY

Universal Transverse Mercator Projection

Scale 1:100,000