#92028

BRANCH OF ATLANTIC MARINE GEOLOGY
U.S. GEOLOGICAL SURVEY
Woods Hole, MA 02543

CRUISE REPORT

12-4-92

Ship name: NOAA Ship Delaware II

Cruise No.: 92-13

Project: EEZ shelf mapping - Eastern Georges Bank

Funding agency: USGS, NMFS

Area of operations: Northern Edge of Georges Bank

Cruise dates: November 14-21, 1992

Chief Scientist: Page Valentine, USGS

Scientific Party:
Dwight Coleman, USGS
Carol Parmenter, USGS
Dann Blackwood, USGS
Dave Nichols, USGS
Sean Podielsky,USGS (off 11/17/92)

Ship's captain: Gunnar Gudmundsson

Cruise purpose: Collaborative research with USGS and NMFS; echo sounding, side scan sonar surveys, video, and bottom sampling of selected areas on the northern edge of Georges Bank to map sedimentary environments and biological habitats.

Navigation: GPS, Loran-C; recorded on 3.5 diskettes.

Scientific equipment: Klein 100 kHz sidescan sonar; digital collection of sonar data with Q-MIPS system; Simrad EC-810 echo sounder, 38 kHz; Osprey color video system; Van Veen grab.

Days at sea: 8 (6 days in study area).

Continuous data collected: 422 line km of side scan sonar data in one area comprising 66 sq km of continuous coverage (see attached trackline map).

Stations occupied: color video camera (mounted on Van Veen grab) deployed at 73 sites, and 2 sediment samples taken, in the study area; locations listed below.

Sidescan area 3:

Sta. 1:	42°	04.52′ N,	67°	17.35" W	
Sta. 2:	42	05.52	67	17.35	
Sta. 3:	42	05.95	67	17.36	
Sta. 4:	42	06.35	67	17.66	
Sta. 5:	42	06.42	67	16.96	
Sta. 6:	42	06.40	67	16.34	
Sta. 7:	42	06.16	67	17.04	
Sta. 8:	42	05.79	67	16.59	
Sta. 9:	42	05.30	67	16.68	
Sta. 10:	42	04.85	67	16.74	
Sta. 11:	42	04.56	67	15.54	
Sta. 12:	42	05.51	67	15.54	
Sta. 13:	42	05.92	67	15.53	
Sta. 14:	42	06.03	67	15.43	
Sta. 15:	42	06.21	67	16.12	
Sta. 16:	42	06.51	67	15.65	
Sta. 17:	42	06.59	67	14.47	
Sta. 18:	42	06.03	67	14.37	
Sta. 19:	42	06.11	67	14.65	
Sta. 20:	42	05.84	67	14.57	
Sta. 21:	42	05.38	67	14.51	
Sta. 22:	42	05.05	67	14.48	
Sta. 23:	42	04.90	67	14.76	
Sta. 24:	42	06.37	67	13.74	
Sta. 25:	42	06.72	67	13.69	
Sta. 26:	42	06.72	67	13.40	
Sta. 27:	42	06.30	67	13.89	
Sta. 28:	42	05.75	67	13.34	
Sta. 29:	42	05.32	67	13.53	
Sta. 30:	42	04.97	67	13.73	
Sta. 31:	42	04.54	67	13.35	
Sta. 32:	42	04.49	67	12.58	
Sta. 33:	42	05.01	67	12.50	
Sta. 34:	42	05.64	67	12.21	
Sta. 35:	42	05.88	67	12.63	(sediment sample at 42 05.97N, 67 12.65W)
Sta. 36	42	06.12	67	12.67	
Sta. 37:	42	06.39	67	11.65	
Sta. 38:	42	06.05	67	11.84	
Sta. 39:	42	05.94	67	11.35	
Sta. 40:	42	05.88	67	11.58	

Sta. 41:	42	05.85	67 11.20	
Sta. 42:	42	05.53	67 11.47	
Sta. 43:	42	05.17	67 11.50	
Sta. 44:	42	04.91	67 11.62	
Sta. 45:	42	03.84	67 11.24	
Sta. 46:	42	03.92	67 11.53	
Sta. 47:	42	03.91	67 09.89	
Sta. 48:	42	04.54	67 10.68	
Sta. 49:	42	05.22	67 10.19	
Sta. 50:	42	05.88	67 10.45	
Sta. 51:	42	05.82	67 10.06	
Sta. 52:	42	06.23	67 10.27	
Sta. 53:	42	06.15	67 10.72	
Sta. 54:	42	06.20	67 11.23	
Sta. 55:	42	06.37	67 10.98	
Sta. 56:	42	06.49	67 11.03	
Sta. 57:	42	06.46	67 10.49	
Sta. 58:	42	06.53	67 09.60	(sediment sample at 42 06.38N, 67 09.47W)
Sta. 59:	42	06.56	67 09.25	
Sta. 60:	42	06.45	67 09.61	
Sta. 61:	42	04.30	67 09.48	
Sta. 62:	42	03.93	67 08.72	
Sta. 63:	42	04.83	67 08.57	
Sta. 64:	42	05.55	67 08.54	
Sta. 65:	42	05.84	67 08.72	
Sta. 66:	42	06.35	67 08.85	
Sta. 67:	42	06.35	67 07.78	
Sta. 68:	42	05.94	67 07.33	
Sta. 69:	42	05.69	67 07.65	
Sta. 70:	42	04.25	67 07.99	
Sta. 78:	42	04.42	67 13.00	
Sta. 79:	42	03.95	67 12.84	
Sta. 80:	42	04.41	67 11.04	

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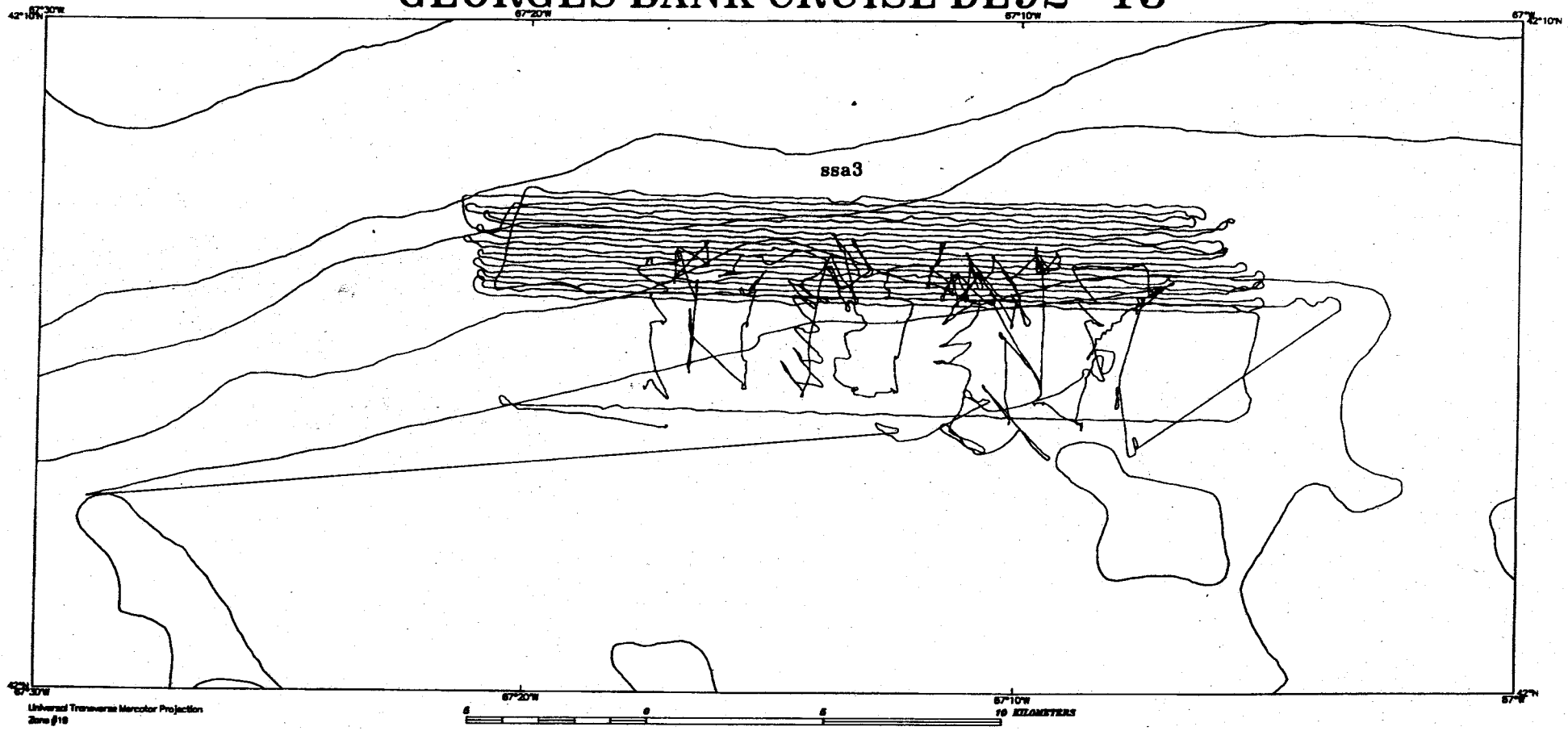
GEORGES BANK CRUISE DE92-13