

*Oceans and Climate Branch CTD Data Report
CTD_REPORT_2021001SI*

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Oceans and Climate Branch CTD Data Report

CTD_REPORT_2021001S1

NOAA Fisheries Service
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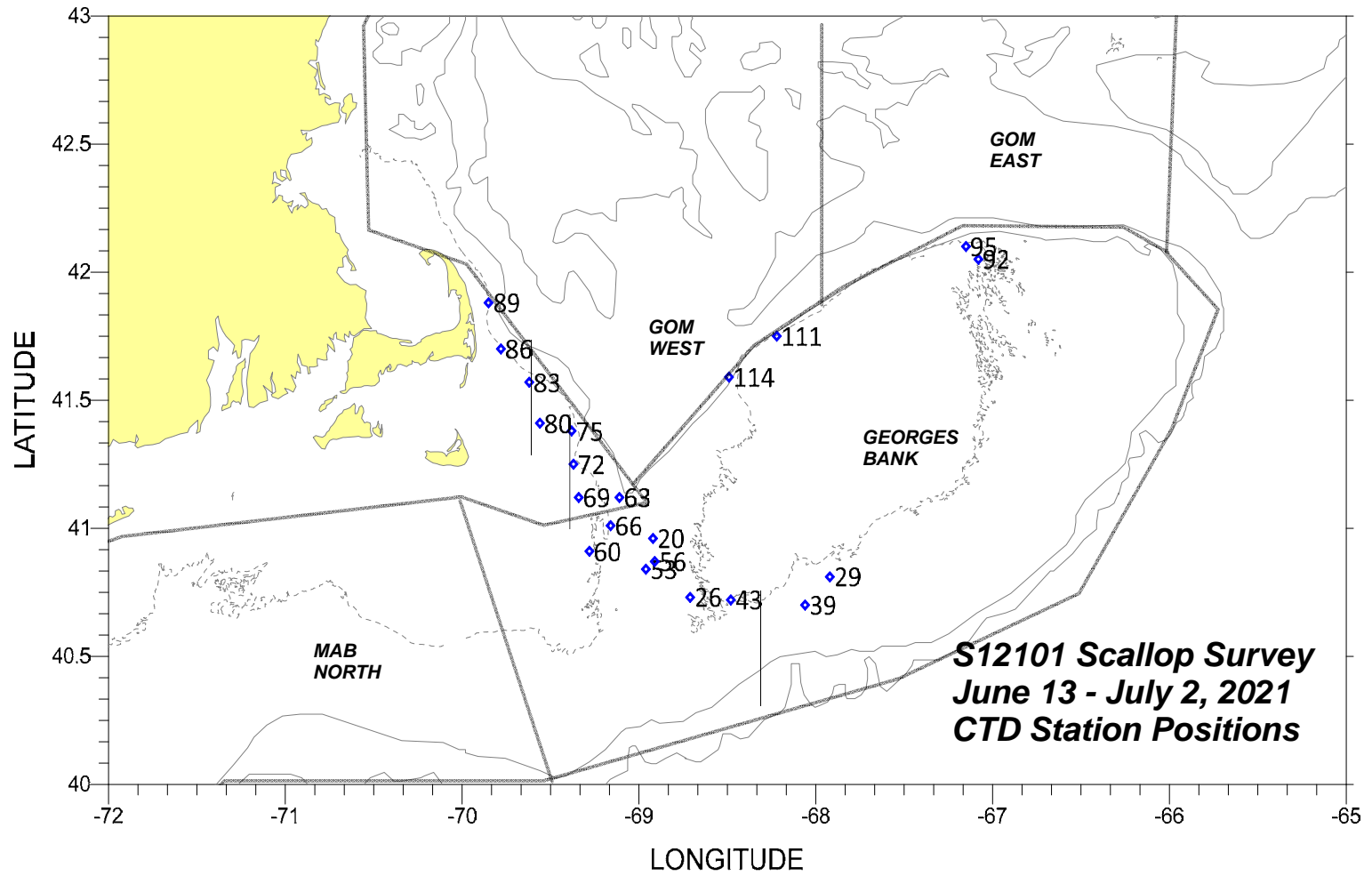
S1 2101
2021 Sea Scallop Survey
Data Coverage: June 13 – July 2, 2021
Great South Channel, Georges Bank

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's S12101 Sea Scallop Survey aboard the UNOLS R/V *Hugh R. Sharp*. Data was obtained with a Sea-Bird Electronics SBE Model 9/11+ CTD. Sea water samples were taken for the purpose of calibrating salinity values. Successful CTD casts were made at 21 stations

Data presented here have been audited, however, corrections and/or updates may be applied at a later time.

The most recent and complete station data can be found by contacting [Dr. Chris Melrose](#)

Revised: January 11, 2022



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
S12101 Sea Scallop Survey
June 13 - July 2, 2021**

CD	SURFACE						BOTTOM					
	#obs	Temp (degC)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (degC)	Anomaly	SDV1	SDV2	Flag
167	10	12.96	2.79	1.01	1.49	1	10	9.73	1.12	1.09	0.70	1

CD	SURFACE						BOTTOM					
	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
167	10	32.64	-0.10	0.35	0.08	1	10	32.90	-0.03	0.36	0.25	1

"CD": the calendar mid-date of all the stations within a region for a cruise;

"#obs": the number of observations included in each average;

"Temp (degC)"/"Salt": the areal averaged temperature or salinity; "Anomaly": the areal averaged temp/salt anomaly;

"SDV1": the standard deviation associated with the average temp/salt anomaly;

"SDV2": the standard deviation of the individual anomalies from which the average anomaly was derived;

"Flag": a value of "1" indicates that a true areal average could not be calculated due to poor station coverage. The areal averages listed were derived from a simple average of the observations within the region.

**S12101 Sea Scallop Survey
June 13 - July 2, 2021**

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Salt	Deepest Observed Temp (deg C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	20	4057.4	6855.0	13	6	2021	10:33	76	10.00	32.72	10.00	32.72	3	W
2	26	4043.6	6842.5	13	6	2021	18:16	68	12.76	32.69	10.04	32.77	3	W
3	29	4048.6	6755.2	14	6	2021	1:32	73	14.28	32.61	8.68	33.05	2	V
4	39	4042.0	6803.6	14	6	2021	19:24	81	14.17	32.86	9.13	33.42	4	W
5	43	4043.1	6828.7	15	6	2021	2:16	84	13.97	32.84	9.60	33.64	6	V
8	53	4050.2	6857.6	15	6	2021	19:14	75	13.67	32.67	9.57	32.74	4	W
9	56	4052.2	6854.9	15	6	2021	23:54	67	12.24	32.57	10.78	32.70	2	V
10	60	4054.4	6916.7	16	6	2021	6:52	52	11.04	32.42	10.52	32.53	4	W
11	63	4107.1	6906.8	16	6	2021	12:14	101	14.82	32.07	6.96	32.80	3	V
12	66	4100.5	6909.8	16	6	2021	17:31	68	10.24	32.50	8.35	32.67	2	W
13	69	4107.3	6920.1	16	6	2021	22:14	54	10.91	32.32	9.76	32.42	4	V
14	72	4115.1	6922.0	17	6	2021	3:09	54	14.19	32.14	7.09	32.67	3	V
15	75	4122.7	6922.7	17	6	2021	8:53	53	14.07	32.01	7.30	32.54	4	W
16	80	4124.6	6933.7	26	6	2021	18:59	33	11.03	32.19	10.38	32.22	4	W
17	83	4134.4	6937.0	27	6	2021	0:54	49	17.46	31.72	6.95	32.44	2	V
18	86	4142.2	6946.6	27	6	2021	6:52	60	17.03	31.78	6.76	32.53	4	W
19	89	4152.6	6950.9	27	6	2021	12:00	62	15.02	31.86	7.13	32.43	2	V
20	92	4203.2	6704.6	30	6	2021	13:56	58	17.20	32.51	10.65	32.76	4	V
21	95	4206.2	6709.2	30	6	2021	21:34	57	16.00	32.56	10.77	32.76	4	W
22	111	4144.8	6813.3	2	7	2021	12:58	61	15.42	32.58	10.28	32.71	2	W
23	114	4135.2	6829.3	2	7	2021	17:49	98	18.92	31.87	6.65	33.03	2	V

Deployment codes: W=water cast; and V=vertical cast