

Oceans and Climate Branch CTD Data Report
CTD_REPORT_2022001S1

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NOAA Fisheries Service
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Woods Hole, MA 02543

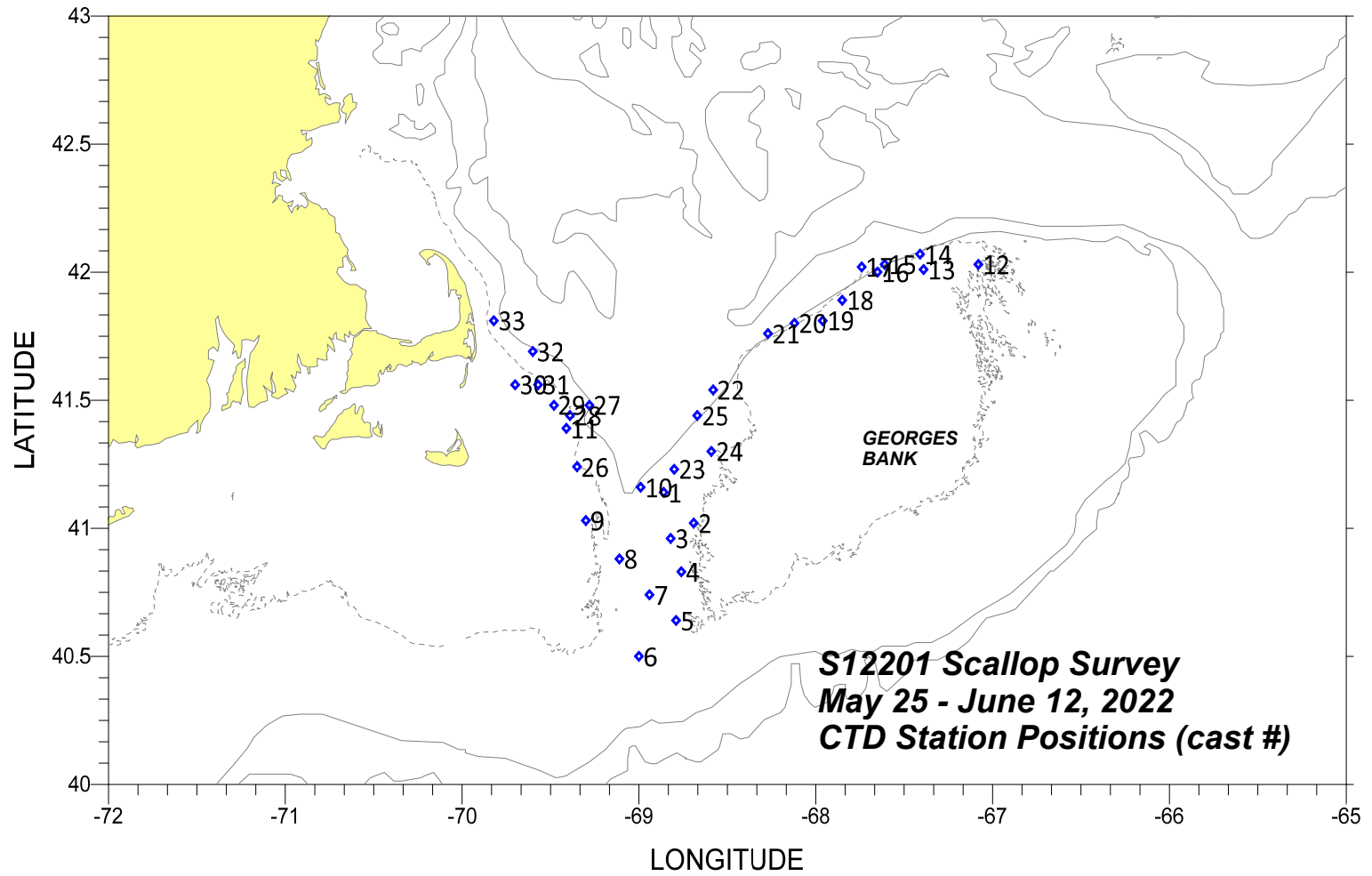
S1 2201
2022 Sea Scallop Survey
Data Coverage: May 25 – June 12, 2022
Great South Channel, Georges Bank

This report presents a summary of surface and bottom temperature and salinity data collected during the Northeast Fisheries Science Center's S12201 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 33 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: February 2, 2023



**Areal average surface and bottom temperature/salinity and temperature/salinity anomalies for the
S12201 Sea Scallop Survey
May 25 - June 12, 2022**

		SURFACE						BOTTOM					
Region	CD	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag	#obs	Temp (°C)	Anomaly	SDV1	SDV2	Flag
GB	150	18	11.05	2.39	0.24	0.69	0	18	10.07	NaN	1.14	1.07	0

		SURFACE						BOTTOM					
Region	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
GB	150	18	33.02	0.26	0.08	0.30	0	18	33.22	NaN	0.35	0.46	0

"Region": GB is Georges Bank;

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

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

"Temp (°C)" and "Salinity": 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.

**S12201 Sea Scallop Survey
May 25 - June 12, 2022**

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
1	17	4108.3	6851.9	26	5	2022	0:14	85	9.65	33.04	9.67	33.04	3	W
2	20	4101.0	6841.2	26	5	2022	8:26	61	9.86	33.06	9.86	33.07	1	W
3	22	4057.5	6849.4	26	5	2022	12:32	85	9.77	33.10	9.76	33.12	1	V
4	25	4049.6	6845.3	26	5	2022	18:41	61	10.42	33.06	9.75	33.06	1	W
5	28	4038.3	6847.1	27	5	2022	1:12	65	12.80	33.69	11.96	34.37	3	V
6	31	4030.0	6900.0	27	5	2022	5:47	74	12.47	33.56	11.64	34.34	3	W
7	34	4044.3	6856.5	27	5	2022	11:28	70	11.24	33.37	10.40	33.61	4	V
8	37	4053.0	6906.7	27	5	2022	17:01	83	9.00	32.65	9.11	32.90	4	V
9	40	4101.9	6917.7	27	5	2022	21:38	55	9.17	32.41	8.65	32.46	3	V
10	44	4109.3	6859.2	28	5	2022	9:46	101	11.82	32.23	7.00	33.00	2	W
11	46	4123.2	6924.5	28	5	2022	21:52	42	8.94	31.99	7.14	32.50	2	W
12	48	4201.8	6704.8	31	5	2022	10:38	60	10.41	33.04	10.30	33.06	4	W
13	63	4200.5	6723.4	1	6	2022	13:45	54	10.89	33.10	10.86	33.10	7	W
14	66	4204.0	6724.6	1	6	2022	18:58	55	11.16	33.12	10.65	33.05	6	W
15	69	4202.0	6736.4	1	6	2022	23:07	67	11.41	32.89	8.22	33.10	4	V
16	73	4200.1	6739.2	2	6	2022	3:19	55	11.02	32.95	9.93	33.02	5	V
17	76	4201.0	6744.2	2	6	2022	7:34	92	11.76	32.84	7.70	33.19	4	W
18	79	4153.2	6751.1	2	6	2022	12:48	50	11.23	32.87	8.98	33.02	3	V
19	82	4148.6	6757.4	2	6	2022	17:10	47	11.29	33.00	11.32	33.02	6	W
20	85	4148.3	6807.3	2	6	2022	21:47	67	11.52	32.87	8.86	33.06	4	V

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Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (° C)	Sfc Salt	Deepest Observed Temp (° C)	Deepest Observed Salt	Meters from Bottom	Method of Deployment
21	87	4145.6	6816.3	3	6	2022	0:53	80	11.74	32.94	8.59	33.07	5	V
22	90	4132.6	6834.6	3	6	2022	6:32	117	11.54	32.27	6.91	33.12	5	W
23	93	4113.5	6847.9	8	6	2022	2:26	83	13.48	31.96	6.91	33.01	4	W
24	96	4117.8	6835.2	8	6	2022	6:33	68	12.33	32.73	10.15	32.98	3	W
25	99	4126.3	6840.3	8	6	2022	12:13	100	14.34	32.00	6.99	33.08	5	V
26	115	4114.2	6920.9	10	6	2022	19:54	53	14.05	31.83	6.86	32.70	4	W
27	120	4129.0	6917.0	11	6	2022	4:21	99	14.57	31.94	6.39	32.88	3	W
28	123	4126.5	6923.6	11	6	2022	9:42	50	12.82	31.94	7.26	32.45	5	V
29	126	4128.5	6928.6	11	6	2022	15:05	42	13.19	32.03	7.33	32.46	3	V
30	129	4133.7	6942.0	11	6	2022	19:27	27	13.62	31.63	7.67	32.23	2	W
31	132	4133.6	6934.0	11	6	2022	23:12	50	15.21	31.70	7.31	32.46	5	V
32	135	4141.3	6936.1	12	6	2022	3:33	130	15.94	31.49	6.62	33.11	4	W
33	139	4148.5	6949.1	12	6	2022	8:32	88	16.00	31.51	6.53	32.54	1	W

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