

*Oceanography Branch CTD Data Report*  
*CTD\_REPORT\_2019001C1*

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# Oceans and Climate Branch CTD Data Report

CTD\_REPORT\_2019001C1

NOAA Fisheries Service  
Northeast Fisheries Science Center  
Woods Hole, MA 02543

C1 1901  
2019 Northern Right Whale Survey  
Data Coverage: May 6 - 18, 2019  
Northern Mid Atlantic Bight, 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 2019 Northern Right Whale Survey aboard the UNOLS R/V *Connecticut*. All data was obtained with an NEFSC Seacat 19+V2 (s/n 7143). Salt water samples were collected for the purpose of calibrating the conductivity cell. A total of 31 CTD casts were conducted; which included 19 bongo tows (the first tow was not saved) and 12 vertical CTD/water casts.

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 in an [NODC formatted ASCII file](#)

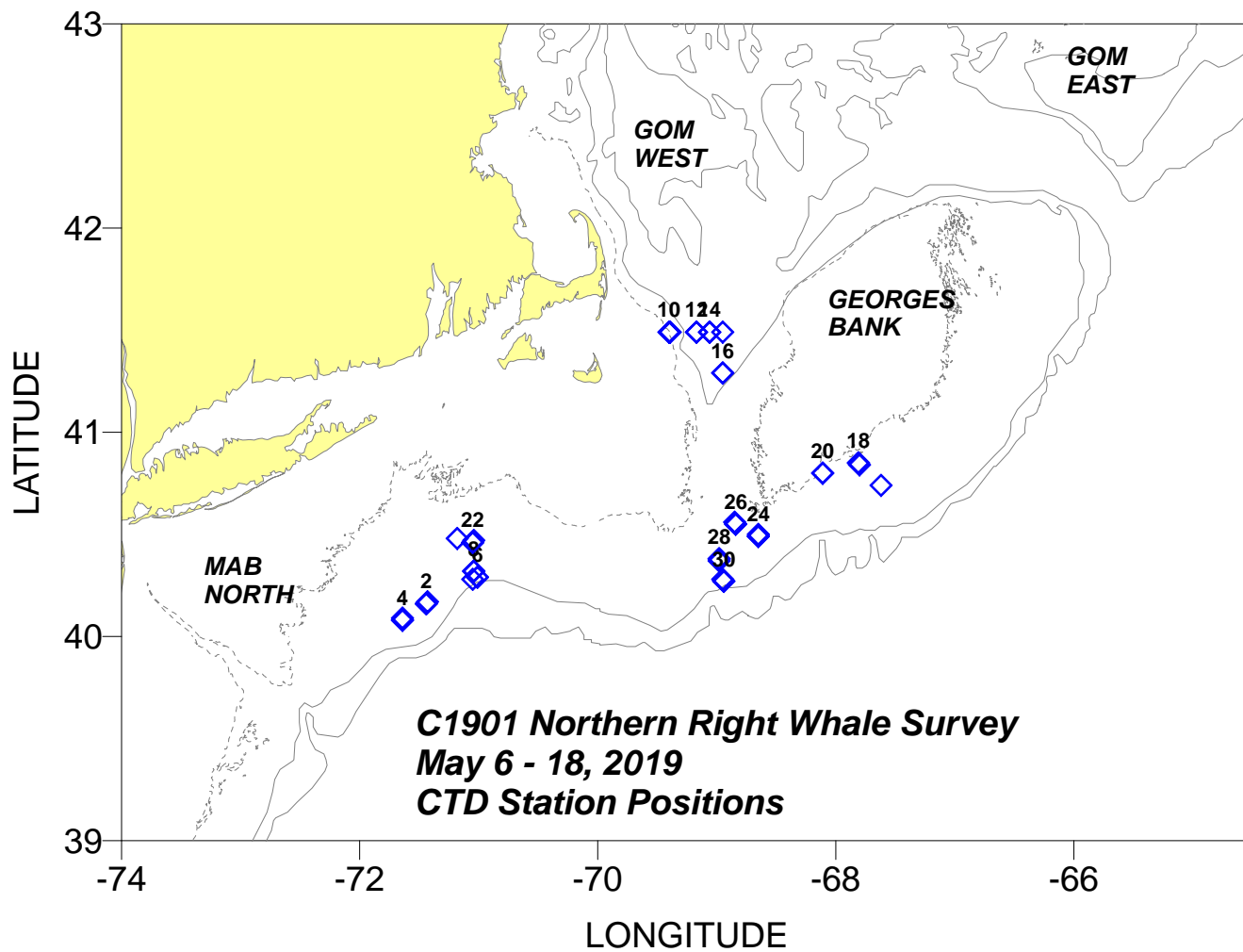
The data is also stored in [comma delimited file](#)

This report may be viewed on the Oceanography Branch website at:

<http://www.nefsc.noaa.gov/HydroAtlas/>

choose: **2019 Cruises**  
**MAY\_WHALE\_C11901**  
**CTD\_REPORT\_2019001C1**

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**C11901 Northern Right Whale Survey  
May 6 - 18, 2019**

Cast #	Station #	Lat (DDMM.M)	Long (DDMM.M)	Day	Mo	Year	Time (GMT)	Btm Depth (m)	Sfc Temp (deg C)	Sfc Temp Anomaly (deg C)	Sfc Salt	Sfc Salt Anomaly	Deepest Observed Temp (deg C)	Deepest Observed Temp Anomaly (deg C)	Deepest Observed Salt	Deepest Observed Salt Anomaly	Meters from Bottom	Method of Deployment
2	2	4009.9	7126.1	7	5	2019	17:07	87	10.15	2.20	32.55	-0.40	8.10	-1.39	33.67	-1.15	6	B
3	2	4010.3	7126.0	7	5	2019	17:48	85	9.76	1.80	32.53	-0.42	7.91	-1.27	33.60	-1.08	3	W
4	3	4004.8	7138.5	7	5	2019	21:28	87	10.19	2.10	32.61	-0.40	8.75	-0.82	33.81	-1.03	6	B
5	3	4005.1	7138.7	7	5	2019	21:50	88	9.38	1.27	32.56	-0.45	8.73	-0.82	33.81	-1.02	6	W
6	4	4017.5	7100.6	8	5	2019	18:58	105	9.55	1.25	32.44	-0.83	11.91	0.67	35.16	0.26	5	B
7	4	4017.0	7102.9	8	5	2019	20:18	101	9.82	1.49	32.53	-0.74	12.12	0.95	35.25	0.35	4	W
8	5	4019.3	7102.1	9	5	2019	12:11	95	9.17	0.75	32.44	-0.81	6.59	-4.63	33.13	-1.76	5	B
9	5	4019.4	7102.6	9	5	2019	12:35	95	9.12	0.70	32.44	-0.80	6.74	-4.47	33.20	-1.70	3	W
10	6	4129.3	6923.8	11	5	2019	12:37	61	6.95	-0.38	32.32	0.04	5.45	0.90	32.63	-0.20	4	B
11	6	4129.3	6923.7	11	5	2019	13:12	61	7.53	0.20	32.25	-0.03	5.41	0.86	32.65	-0.17	3	W
12	7	4129.3	6910.4	11	5	2019	14:40	159	7.94	0.79	32.24	-0.28	5.57	0.78	33.02	-0.25	6	B
13	8	4129.4	6903.8	11	5	2019	16:38	136	7.88	0.68	32.20	-0.42	5.39	0.60	32.93	-0.34	3	B
14	8	4129.4	6903.8	11	5	2019	17:11	137	7.92	0.72	32.19	-0.43	5.39	0.59	32.93	-0.34	5	W
15	9	4129.4	6857.0	11	5	2019	18:28	153	8.10	0.79	32.39	-0.25	5.41	0.62	32.98	-0.29	6	B
16	10	4117.4	6857.1	11	5	2019	22:07	133	8.39	1.48	32.50	-0.20	5.46	0.73	32.94	-0.26	5	B
17	11	4044.4	6737.4	12	5	2019	11:12	77	7.13	-0.72	32.42	-0.49	5.86	-0.65	32.57	-0.78	4	B
18	12	4050.9	6748.3	12	5	2019	13:16	67	7.20	0.10	32.39	-0.42	6.57	0.31	32.40	-0.59	5	B
19	12	4050.5	6748.1	12	5	2019	13:31	68	7.22	0.11	32.39	-0.42	6.57	0.29	32.40	-0.60	4	W
20	13	4048.3	6806.8	12	5	2019	16:29	62	6.96	-0.04	32.40	-0.48	6.98	0.71	32.42	-0.48	4	B
21	14	4028.2	7102.5	15	5	2019	15:41	80	8.42	-0.83	32.37	-0.64	5.90	-2.57	32.83	-1.09	7	B
22	14	4027.6	7103.1	15	5	2019	16:08	81	8.54	-0.71	32.39	-0.63	5.90	-2.67	32.83	-1.12	6	W
23	15	4029.9	6839.2	16	5	2019	18:04	76	7.69	-0.58	32.32	-0.65	6.63	0.03	32.41	-0.98	5	B
24	15	4029.6	6838.8	16	5	2019	18:23	77	7.70	-0.57	32.32	-0.64	6.62	0.02	32.41	-0.99	6	W
25	16	4033.5	6851.1	18	5	2019	16:27	68	8.38	0.17	32.40	-0.51	6.87	-0.13	32.41	-0.82	7	B
26	16	4033.1	6850.5	18	5	2019	16:46	68	8.36	0.10	32.39	-0.52	6.87	-0.12	32.41	-0.83	6	W
27	17	4022.3	6858.8	18	5	2019	22:54	86	8.89	-0.30	32.38	-0.58	6.78	-0.57	32.76	-0.43	3	B
28	17	4022.5	6859.0	18	5	2019	23:14	86	8.67	-0.52	32.39	-0.56	6.78	-0.58	32.76	-0.43	3	W
29	18	4016.7	6856.8	19	5	2019	22:00	100	9.02	-0.90	32.34	-0.90	10.75	3.47	34.66	1.45	4	B
30	18	4016.5	6856.4	19	5	2019	22:18	101	9.01	-0.94	32.35	-0.92	9.62	2.31	34.28	1.04	6	W
31	19	4029.0	7110.6	22	5	2019	15:04	77	11.06	0.43	32.44	-0.46	5.89	-0.23	32.82	-0.16	6	B

Deployment codes: B=bongo cast; W=water cast