



# Vessel Speed Report in Voluntary DMA - United States

01/22/2020 - 03/06/2020

Along the eastern coast of the United States, there are numerous speed restriction zones for maritime vessels, known as Seasonal Management Areas (SMAs) and Dynamic Management Areas (DMAs). These are active throughout different times of the year and have been created to reduce the incidence of North Atlantic right whale ship strikes. Reduced speeds in these critical zones allows for the increased maneuverability around spotted whales, as well as increased survivability in the event of a strike. SMAs observe mandatory speed-restrictions of 10-knots when active, while DMAs observe voluntary 10-knot speed restrictions and are only activated when large aggregations of whales are spotted in a particular area.

## Methods-

Using Global Fishing Watch, Oceana has compiled a list of vessels that exhibited speeds exceeding the voluntary 10-knot limit in active DMAs. The “Pings over 10 knots” column represents the number of distinct AIS signals above the 10-knot speed limit that were transmitted by a vessel inside the DMA on a given day, and the “Maximum speed” column represents the highest speed attained by that vessel on that particular day. In some cases, a vessel may have transmitted speeds in excess of 10 knots on separate days and will appear in the tables below as two entries but in the summary statistics, these are treated as one distinct vessel.

Data for the DMA/SMA report was pulled from Global Fishing Watch’s (GFW) vessel database. The data was filtered to only include vessels that recorded at least two AIS signals in the timeframe of January 22, 2020 – March 6, 2020. Furthermore, the data was analyzed for erroneously high speeds, which were also removed. For example, if a ship’s AIS recorded the following consecutive speeds: 11, 12, 11, 11, 38, 12, then the outlier would be removed from the data as an error. In some cases, a vessel's highest recorded AIS signal was cross-referenced with online resources and could be discounted as an error based on a large discrepancy between the AIS signal and the maximum attainable speed of that vessel.

To obtain the speed compliance value, the number of distinct vessels with at least two AIS signals and at least one AIS signal over 10 knots in the DMA was divided by the number of distinct vessels with at least five AIS signals in the DMA.

## Results-

Number of distinct vessels traveling above 10 knots: **183**

Number of distinct vessels traveling through the DMA: **446**

Percent of vessels relative to all active vessels in the Nantucket DMA with a maximum speed over 10 knots: **41.03%**

Percent of U.S. vessels relative to all active vessels in the Nantucket DMA with a maximum speed over 10 knots: **4.04%**

Fastest observed vessel speed in the Nantucket DMA: **22.2**

### Distinct Speed Events Over 10 Knots

Class	Length (meters)	Flag	Day	Pings over 10 knots	Maximum speed (knots)
cargo	215.48	France	2020-01-22	28	20.3
cargo	204.54	Norway	2020-01-22	36	16.7
cargo	252.68	United Kingdom	2020-01-22	7	15.4
tanker	124.34	Marshall Islands	2020-01-22	29	13.2
tanker	145.41	Denmark	2020-01-22	5	13.0
cargo or tanker	115.02	Norway	2020-01-22	25	11.6
fishing	28.06	United States	2020-01-22	2	10.3
other purse seines	33.05	United States	2020-01-22	2	10.2
cargo	166.61	Panama	2020-01-23	30	19.1
cargo	239.80	Singapore	2020-01-23	31	18.9
cargo	226.62	United Kingdom	2020-01-23	36	17.5
cargo	199.45	Panama	2020-01-23	46	17.0
tanker	183.00	Hong Kong	2020-01-23	71	14.6
cargo	282.97	Japan	2020-01-23	53	13.1



tanker	145.41	Denmark	2020-01-23	9	12.5
tanker	178.95	The Bahamas	2020-01-23	10	11.5
pole and line	33.65	United States	2020-01-23	2	10.6
non fishing	39.96	United States	2020-01-23	13	10.6
other purse seines	33.05	United States	2020-01-23	5	10.5
tanker	158.26	Japan	2020-01-23	3	10.2
cargo	245.76	Panama	2020-01-24	25	20.2
cargo	203.82	Germany	2020-01-24	48	16.9
cargo	226.62	United Kingdom	2020-01-24	14	16.7
tanker	152.16	Liberia	2020-01-24	60	14.5
cargo	214.22	Israel	2020-01-24	16	12.7
cargo	171.16	Marshall Islands	2020-01-24	52	12.3
tanker	152.44	Singapore	2020-01-24	26	12.3
cargo	239.83	Denmark	2020-01-25	39	18.0
cargo	196.19	Malta	2020-01-25	29	17.5
cargo	213.00	China	2020-01-25	3	16.8
cargo	192.86	Panama	2020-01-25	65	16.6
cargo	136.81	Hong Kong	2020-01-25	54	12.0
cargo	120.13	Malta	2020-01-25	20	11.7
cargo	193.23	Panama	2020-01-25	73	10.9
cargo	213.03	Panama	2020-01-25	2	10.2
cargo	187.23	Panama	2020-01-26	32	22.0
cargo	270.68	Denmark	2020-01-26	22	15.1
cargo	191.55	Cyprus	2020-01-26	13	14.5
cargo	212.63	Liberia	2020-01-27	34	18.2
cargo	286.53	United States	2020-01-27	22	17.6
cargo	162.82	Italy	2020-01-27	8	16.8
cargo	227.98	Germany	2020-01-27	37	13.2
tanker	100.74	Germany	2020-01-27	42	12.3
tanker	183.06	Marshall Islands	2020-01-27	33	11.7
tanker	162.51	Marshall Islands	2020-01-27	13	11.1
cargo	214.51	Hong Kong	2020-01-27	7	10.4
cargo	190.00	Singapore	2020-01-27	31	10.4
cargo	208.17	United Kingdom	2020-01-28	10	16.8
cargo	167.84	Panama	2020-01-28	33	16.0
tanker	146.84	Marshall Islands	2020-01-28	70	15.8
cargo	186.64	Liberia	2020-01-28	24	15.3
cargo	212.20	Liberia	2020-01-28	41	12.7
cargo	179.08	Panama	2020-01-28	2	12.2
tanker	145.40	Cayman Islands	2020-01-28	4	11.7
pole and line	33.36	United States	2020-01-28	4	10.9
tanker	138.36	Marshall Islands	2020-01-29	30	14.5
tanker	162.63	Denmark	2020-01-29	3	14.2
cargo	147.21	Liberia	2020-01-29	12	13.8
cargo	179.08	Panama	2020-01-29	3	12.0
tanker	145.40	Cayman Islands	2020-01-29	32	11.8

cargo	167.35	Singapore	2020-01-30	22	15.7
cargo	192.40	Marshall Islands	2020-01-30	32	14.4
cargo	192.87	Panama	2020-01-30	34	12.4
cargo	170.28	Panama	2020-01-31	20	17.8
tanker	152.16	Liberia	2020-01-31	26	14.1
cargo	239.91	Liberia	2020-01-31	2	13.4
tanker	138.12	Marshall Islands	2020-01-31	20	13.2
cargo	217.26	Hong Kong	2020-02-01	52	16.4
cargo	161.66	Panama	2020-02-01	33	12.5
tanker	146.71	Marshall Islands	2020-02-01	40	12.3
tanker	162.51	Marshall Islands	2020-02-01	16	11.2
seismic vessel	70.00	Panama	2020-02-01	3	10.9
cargo	184.86	Liberia	2020-02-02	24	20.8
cargo	335.63	Liberia	2020-02-02	52	18.4
cargo	294.10	Marshall Islands	2020-02-02	20	17.9
tanker	104.66	Malta	2020-02-02	35	16.9
cargo	227.01	Denmark	2020-02-02	36	16.1
cargo	206.79	Liberia	2020-02-02	26	14.7
tanker	150.00	Marshall Islands	2020-02-02	33	12.4
tanker	183.06	Marshall Islands	2020-02-02	11	11.7
cargo	205.91	Taiwan	2020-02-02	67	11.6
tanker	121.18	Marshall Islands	2020-02-02	36	11.6
tanker	138.12	Marshall Islands	2020-02-02	66	11.1
seismic vessel	70.00	Panama	2020-02-02	5	10.3
cargo	214.43	Hong Kong	2020-02-03	46	19.7
cargo	199.96	The Bahamas	2020-02-03	50	11.8
pole and line	33.36	United States	2020-02-03	2	10.6
cargo	253.59	Marshall Islands	2020-02-04	4	18.6
cargo	223.99	United Kingdom	2020-02-04	34	16.6
pots and traps	26.54	United States	2020-02-04	35	12.1
tanker	142.32	Italy	2020-02-05	44	16.9
cargo	242.96	Panama	2020-02-05	65	14.6
cargo	181.73	Panama	2020-02-05	4	11.3
cargo or tanker	126.84	Canada	2020-02-06	40	12.1
tanker	144.16	Marshall Islands	2020-02-06	11	10.2
cargo	181.73	Panama	2020-02-07	62	16.4
tanker	147.72	Barbados	2020-02-07	39	13.9
tanker	178.95	The Bahamas	2020-02-07	25	13.2
cargo or tanker	103.81	Malta	2020-02-07	4	10.8
cargo	191.16	Sweden	2020-02-08	4	15.7
cargo	242.11	Liberia	2020-02-08	17	14.0
cargo or tanker	103.81	Malta	2020-02-08	3	11.3
cargo	242.11	Liberia	2020-02-09	9	17.1
tanker	152.16	Liberia	2020-02-09	8	13.8
cargo	185.71	Liberia	2020-02-09	24	13.5
cargo	293.53	United States	2020-02-09	39	13.2



cargo	115.21	Netherlands	2020-02-09	13	13.1
pole and line	33.65	United States	2020-02-09	2	10.3
cargo	195.44	United States	2020-02-10	46	16.5
tanker	152.16	Liberia	2020-02-10	15	14.0
tanker	151.84	NA	2020-02-10	41	12.9
cargo	223.99	United Kingdom	2020-02-11	20	19.2
tanker	206.21	United States	2020-02-11	41	15.7
cargo or tanker	126.84	Canada	2020-02-11	37	13.0
tanker	152.44	Singapore	2020-02-11	53	12.9
cargo	147.21	Liberia	2020-02-11	11	12.2
tanker	146.71	Marshall Islands	2020-02-11	28	11.1
cargo	214.87	Singapore	2020-02-12	10	19.4
cargo	198.14	Malta	2020-02-12	29	16.7
cargo	163.11	Germany	2020-02-13	46	18.9
cargo	164.65	Norway	2020-02-13	20	16.7
cargo	180.17	Panama	2020-02-13	24	13.0
cargo	157.55	Canada	2020-02-13	23	11.9
cargo	228.76	Malta	2020-02-14	36	17.0
cargo	181.10	United Kingdom	2020-02-14	44	16.8
tanker	146.71	Marshall Islands	2020-02-14	39	12.5
cargo	114.80	Philippines	2020-02-14	28	12.2
cargo	233.29	Hong Kong	2020-02-15	23	18.9
cargo	240.95	Marshall Islands	2020-02-15	38	15.3
cargo	170.28	Panama	2020-02-15	24	13.8
tanker	156.02	Liberia	2020-02-15	12	13.6
cargo	253.50	Denmark	2020-02-15	3	13.4
tanker	152.36	Marshall Islands	2020-02-15	9	10.4
cargo	203.73	Liberia	2020-02-16	61	20.5
cargo	204.54	Norway	2020-02-16	48	16.4
cargo	199.90	Panama	2020-02-16	5	16.1
cargo	225.74	United Kingdom	2020-02-16	17	16.1
tanker	156.02	Liberia	2020-02-16	4	13.7
cargo	216.45	Israel	2020-02-16	13	13.3
tanker	131.54	Liberia	2020-02-16	18	13.1
tanker	145.94	Denmark	2020-02-16	2	12.2
cargo	181.20	Cyprus	2020-02-16	23	12.1
cargo	293.53	United States	2020-02-17	18	17.9
cargo	185.23	Marshall Islands	2020-02-17	54	16.1
tanker	145.94	Denmark	2020-02-17	5	12.8
NA	28.00	United States	2020-02-17	3	11.3
pole and line	33.65	United States	2020-02-17	3	10.5
NA	28.00	United States	2020-02-18	2	10.1
cargo	217.77	Singapore	2020-02-19	65	19.4
cargo	116.93	Marshall Islands	2020-02-19	7	10.4
tanker	143.72	Marshall Islands	2020-02-20	11	11.0
cargo	129.15	Panama	2020-02-20	7	10.6



cargo	232.10	Hong Kong	2020-02-21	17	20.3
cargo	209.36	Malta	2020-02-21	15	15.9
cargo	163.06	Italy	2020-02-21	56	15.1
tanker	131.54	Liberia	2020-02-21	63	12.4
tanker	143.72	Marshall Islands	2020-02-21	4	10.9
pots and traps	28.00	United States	2020-02-21	4	10.5
cargo	259.87	Liberia	2020-02-21	3	10.1
cargo	174.41	Germany	2020-02-22	7	19.1
cargo	194.12	Liberia	2020-02-22	9	18.1
cargo	198.19	Malta	2020-02-22	13	17.8
cargo	228.15	Germany	2020-02-22	30	13.9
tanker	134.76	Marshall Islands	2020-02-22	19	12.9
cargo	130.79	Cyprus	2020-02-22	17	12.2
pots and traps	28.00	United States	2020-02-22	9	10.7
tanker	152.36	Marshall Islands	2020-02-22	45	10.4
cargo	194.12	Liberia	2020-02-23	43	18.7
cargo	117.09	Netherlands	2020-02-23	8	16.1
cargo	134.25	Portugal	2020-02-23	32	13.9
tanker	145.94	Denmark	2020-02-23	14	13.9
cargo	293.53	United States	2020-02-23	41	13.2
tanker	154.21	Malta	2020-02-23	48	13.0
tanker	110.45	Canada	2020-02-23	8	12.7
pots and traps	28.00	United States	2020-02-23	38	12.6
cargo	204.24	Hong Kong	2020-02-23	33	12.1
cargo	130.79	Cyprus	2020-02-23	8	11.7
tanker	145.81	Hong Kong	2020-02-23	7	10.2
cargo	196.71	Panama	2020-02-24	22	22.2
cargo	200.04	Cyprus	2020-02-24	63	14.7
cargo	293.53	United States	2020-02-24	6	13.7
tanker	110.45	Canada	2020-02-24	37	12.6
cargo	183.43	Japan	2020-02-24	6	12.6
cargo	204.24	Hong Kong	2020-02-24	52	12.3
tanker	178.95	The Bahamas	2020-02-24	40	12.2
NA	28.00	United States	2020-02-24	7	11.1
cargo	186.64	Liberia	2020-02-25	40	16.6
cargo	294.10	Marshall Islands	2020-02-25	33	15.8
cargo	293.53	United States	2020-02-25	17	14.0
cargo	147.21	Liberia	2020-02-25	3	12.2
tanker	144.80	Singapore	2020-02-25	6	11.9
NA	28.00	United States	2020-02-25	3	10.9
pole and line	33.65	United States	2020-02-25	5	10.7
tanker	156.19	Panama	2020-02-25	14	10.3
cargo	199.45	Panama	2020-02-26	45	20.8
cargo	181.64	China	2020-02-26	33	18.4
cargo	276.03	Liberia	2020-02-26	19	18.0
tanker	178.95	The Bahamas	2020-02-26	3	13.7

cargo	147.21	Liberia	2020-02-26	22	12.4
cargo	235.36	Japan	2020-02-26	20	12.0
cargo	120.31	Panama	2020-02-26	3	10.6
cargo	349.00	Liberia	2020-02-27	27	16.2
cargo	165.86	Hong Kong	2020-02-27	36	15.1
tanker	178.95	The Bahamas	2020-02-27	13	13.5
tanker	110.45	Canada	2020-02-27	31	12.6
cargo	124.26	Marshall Islands	2020-02-27	54	11.3
cargo	215.48	France	2020-02-28	20	18.3
tanker	145.22	Singapore	2020-02-28	50	13.4
tanker	145.40	Cayman Islands	2020-02-28	39	13.3
cargo	186.11	Singapore	2020-02-28	21	11.6
drifting longlines	23.97	United States	2020-02-28	2	11.2
cargo	227.28	United Kingdom	2020-02-29	4	15.7
cargo	223.69	France	2020-02-29	34	15.7
non fishing	135.65	Malta	2020-02-29	22	13.5
tanker	183.06	Panama	2020-02-29	17	13.1
tanker	143.10	Denmark	2020-02-29	47	13.0
cargo	138.10	Germany	2020-02-29	27	11.9
cargo	123.42	Netherlands	2020-02-29	22	11.7
cargo	230.54	Singapore	2020-03-01	37	17.1
cargo	151.75	Singapore	2020-03-01	38	15.8
cargo	234.28	Hong Kong	2020-03-01	44	13.4
non fishing	135.65	Malta	2020-03-01	21	13.3
tanker	134.39	Marshall Islands	2020-03-01	23	13.1
cargo	293.53	United States	2020-03-01	28	13.0
cargo	142.54	Germany	2020-03-01	16	11.7
tanker	135.99	Liberia	2020-03-01	22	11.2
cargo	191.10	Liberia	2020-03-01	17	11.2
cargo	232.73	Malta	2020-03-02	39	18.8
cargo	161.66	Panama	2020-03-02	24	17.4
tanker	178.95	The Bahamas	2020-03-02	25	14.7
tanker	145.94	Denmark	2020-03-02	11	14.1
tanker	120.87	Malta	2020-03-02	30	12.8
cargo	169.84	Germany	2020-03-02	13	12.1
NA	28.00	United States	2020-03-02	7	10.8
cargo	213.68	Panama	2020-03-03	52	18.0
tanker	145.94	Denmark	2020-03-03	23	13.7
tanker	150.92	Liberia	2020-03-03	36	12.8
cargo	166.26	Panama	2020-03-03	21	12.7
non fishing	69.31	United States	2020-03-03	2	10.2
cargo	206.28	Taiwan	2020-03-04	13	18.4
cargo	238.95	Liberia	2020-03-04	40	16.5
cargo	208.17	United Kingdom	2020-03-04	2	13.1
cargo	166.26	Panama	2020-03-04	6	12.6
cargo	208.17	United Kingdom	2020-03-05	27	13.9

cargo	184.43	Denmark	2020-03-05	8	13.5
tanker	134.39	Marshall Islands	2020-03-05	60	11.5
tanker	103.84	Denmark	2020-03-05	62	11.0
cargo or tanker	126.84	Canada	2020-03-05	8	10.4
tanker	152.44	Singapore	2020-03-06	74	14.7
tanker	147.72	Barbados	2020-03-06	38	13.0
tanker	159.11	Liberia	2020-03-06	32	11.5

### Vessels with Maximum Speeds Between 10-11.99 Knots

Class	Length (meters)	Flag	Maximum speed (knots)
cargo	157.55	Canada	11.9
tanker	144.80	Singapore	11.9
cargo	138.10	Germany	11.9
cargo	199.96	The Bahamas	11.8
cargo	120.13	Malta	11.7
tanker	183.06	Marshall Islands	11.7
cargo	123.42	Netherlands	11.7
cargo	142.54	Germany	11.7
cargo or tanker	115.02	Norway	11.6
cargo	205.91	Taiwan	11.6
tanker	121.18	Marshall Islands	11.6
cargo	186.11	Singapore	11.6
tanker	159.11	Liberia	11.5
cargo or tanker	103.81	Malta	11.3
NA	28.00	United States	11.3
cargo	124.26	Marshall Islands	11.3
tanker	162.51	Marshall Islands	11.2
drifting longlines	23.97	United States	11.2
tanker	135.99	Liberia	11.2
cargo	191.10	Liberia	11.2
tanker	143.72	Marshall Islands	11.0
tanker	103.84	Denmark	11.0
cargo	193.23	Panama	10.9
pole and line	33.36	United States	10.9
seismic vessel	70.00	Panama	10.9
pole and line	33.65	United States	10.7
non fishing	39.96	United States	10.6
cargo	129.15	Panama	10.6
cargo	120.31	Panama	10.6
other purse seines	33.05	United States	10.5
cargo	214.51	Hong Kong	10.4
cargo	190.00	Singapore	10.4
tanker	152.36	Marshall Islands	10.4
cargo	116.93	Marshall Islands	10.4

fishing	28.06	United States	10.3
tanker	156.19	Panama	10.3
tanker	158.26	Japan	10.2
cargo	213.03	Panama	10.2
tanker	144.16	Marshall Islands	10.2
tanker	145.81	Hong Kong	10.2
non fishing	69.31	United States	10.2
cargo	259.87	Liberia	10.1

**Vessels with Maximum Speeds Between 12-13.99 Knots**

Class	Length (meters)	Flag	Maximum speed (knots)
tanker	147.72	Barbados	13.9
cargo	228.15	Germany	13.9
cargo	134.25	Portugal	13.9
cargo	147.21	Liberia	13.8
tanker	156.02	Liberia	13.7
cargo	185.71	Liberia	13.5
non fishing	135.65	Malta	13.5
cargo	184.43	Denmark	13.5
cargo	239.91	Liberia	13.4
cargo	253.50	Denmark	13.4
tanker	145.22	Singapore	13.4
cargo	234.28	Hong Kong	13.4
cargo	216.45	Israel	13.3
tanker	145.40	Cayman Islands	13.3
tanker	124.34	Marshall Islands	13.2
cargo	227.98	Germany	13.2
tanker	138.12	Marshall Islands	13.2
cargo	293.53	United States	13.2
cargo	293.53	United States	13.2
cargo	282.97	Japan	13.1
cargo	115.21	Netherlands	13.1
tanker	131.54	Liberia	13.1
tanker	183.06	Panama	13.1
tanker	134.39	Marshall Islands	13.1
tanker	145.41	Denmark	13.0
cargo or tanker	126.84	Canada	13.0
cargo	180.17	Panama	13.0
tanker	154.21	Malta	13.0
tanker	143.10	Denmark	13.0
cargo	293.53	United States	13.0
tanker	151.84	NA	12.9
tanker	134.76	Marshall Islands	12.9
tanker	120.87	Malta	12.8



tanker	150.92	Liberia	12.8
cargo	214.22	Israel	12.7
cargo	212.20	Liberia	12.7
tanker	110.45	Canada	12.7
cargo	166.26	Panama	12.7
pots and traps	28.00	United States	12.6
cargo	183.43	Japan	12.6
tanker	146.71	Marshall Islands	12.5
cargo	192.87	Panama	12.4
tanker	150.00	Marshall Islands	12.4
cargo	171.16	Marshall Islands	12.3
tanker	100.74	Germany	12.3
cargo	204.24	Hong Kong	12.3
cargo	179.08	Panama	12.2
cargo	114.80	Philippines	12.2
cargo	130.79	Cyprus	12.2
pots and traps	26.54	United States	12.1
cargo	181.20	Cyprus	12.1
cargo	169.84	Germany	12.1
cargo	136.81	Hong Kong	12.0
cargo	235.36	Japan	12.0

#### Vessels with Maximum Speeds Between 14-15.99 Knots

Class	Length (meters)	Flag	Maximum speed (knots)
cargo	209.36	Malta	15.9
tanker	146.84	Marshall Islands	15.8
cargo	151.75	Singapore	15.8
cargo	167.35	Singapore	15.7
cargo	191.16	Sweden	15.7
tanker	206.21	United States	15.7
cargo	227.28	United Kingdom	15.7
cargo	223.69	France	15.7
cargo	252.68	United Kingdom	15.4
cargo	240.95	Marshall Islands	15.3
cargo	270.68	Denmark	15.1
cargo	163.06	Italy	15.1
cargo	165.86	Hong Kong	15.1
cargo	206.79	Liberia	14.7
cargo	200.04	Cyprus	14.7
tanker	178.95	The Bahamas	14.7
tanker	152.44	Singapore	14.7
tanker	183.00	Hong Kong	14.6
cargo	242.96	Panama	14.6

tanker	152.16	Liberia	14.5
cargo	191.55	Cyprus	14.5
tanker	138.36	Marshall Islands	14.5
cargo	192.40	Marshall Islands	14.4
tanker	162.63	Denmark	14.2
tanker	145.94	Denmark	14.1
cargo	293.53	United States	14.0

**Vessels with Maximum Speeds Between 16-17.99Knots**

Class	Length (meters)	Flag	Maximum speed (knots)
cargo	294.10	Marshall Islands	17.9
cargo	293.53	United States	17.9
cargo	170.28	Panama	17.8
cargo	198.19	Malta	17.8
cargo	286.53	United States	17.6
cargo	226.62	United Kingdom	17.5
cargo	196.19	Malta	17.5
cargo	161.66	Panama	17.4
cargo	242.11	Liberia	17.1
cargo	230.54	Singapore	17.1
cargo	228.76	Malta	17.0
cargo	203.82	Germany	16.9
tanker	104.66	Malta	16.9
tanker	142.32	Italy	16.9
cargo	213.00	China	16.8
cargo	162.82	Italy	16.8
cargo	208.17	United Kingdom	16.8
cargo	181.10	United Kingdom	16.8
cargo	204.54	Norway	16.7
cargo	198.14	Malta	16.7
cargo	164.65	Norway	16.7
cargo	192.86	Panama	16.6
cargo	186.64	Liberia	16.6
cargo	195.44	United States	16.5
cargo	238.95	Liberia	16.5
cargo	217.26	Hong Kong	16.4
cargo	181.73	Panama	16.4

cargo	349.00	Liberia	16.2
cargo	227.01	Denmark	16.1
cargo	199.90	Panama	16.1
cargo	225.74	United Kingdom	16.1
cargo	185.23	Marshall Islands	16.1
cargo	117.09	Netherlands	16.1
cargo	167.84	Panama	16.0

#### Vessels with Maximum Speeds Between 18-19.99 knots

Class	Length (meters)	Flag	Maximum speed (knots)
cargo	214.43	Hong Kong	19.7
cargo	214.87	Singapore	19.4
cargo	217.77	Singapore	19.4
cargo	223.99	United Kingdom	19.2
cargo	166.61	Panama	19.1
cargo	174.41	Germany	19.1
cargo	239.80	Singapore	18.9
cargo	163.11	Germany	18.9
cargo	233.29	Hong Kong	18.9
cargo	232.73	Malta	18.8
cargo	194.12	Liberia	18.7
cargo	253.59	Marshall Islands	18.6
cargo	335.63	Liberia	18.4
cargo	181.64	China	18.4
cargo	206.28	Taiwan	18.4
cargo	212.63	Liberia	18.2
cargo	239.83	Denmark	18.0
cargo	276.03	Liberia	18.0
cargo	213.68	Panama	18.0

#### Vessels with Maximum Speeds Greater Than or Equal to 20 knots

Class	Length (meters)	Flag	Maximum speed (knots)
cargo	196.71	Panama	22.2
cargo	187.23	Panama	22.0
cargo	184.86	Liberia	20.8
cargo	199.45	Panama	20.8
cargo	203.73	Liberia	20.5
cargo	215.48	France	20.3



cargo	232.10	Hong Kong	20.3
cargo	245.76	Panama	20.2

**Vessel Classification with Speed Events over 10 Knots**

Vessel class	10-11.99 knots	12-13.99 knots	14-15.99 knots	16-17.99 knots	18-19.99 knots	Greater than or equal to 20 knots	Total	Percentage of Vessels
Cargo	18	30	17	32	19	8	124	67.76
Tanker	13	20	9	2	0	0	44	24.04
Fishing	2	1	0	0	0	0	3	3.83
Cargo or tanker	2	1	0	0	0	0	3	1.64
Non fishing	2	1	0	0	0	0	3	1.64
Seismic vessel	1	0	0	0	0	0	1	0.55
N/A	1	0	0	0	0	0	1	0.55