

# **Vattenfall Wind Power Ltd**

## **Thanet Extension Offshore Wind Farm**

Appendix 25, Annex G to Deadline 1 Submission:  
Vessel Traffic Analysis Plots -Dipping, anchoring and  
inshore route by draught, length and type

Relevant Examination Deadline: 1

Submitted by Vattenfall Wind Power Ltd

Date: January 2019

Revision A

*Vessel Traffic Analysis Plots - Dipping,  
anchoring and inshore route by draught,  
length and type*

Drafted By:	Marico Marine
Approved By:	Daniel Bates
Date of Approval:	January 2019
Revision:	A

Revision A	Original Document submitted to the Examining Authority
N/A	
N/A	
N/A	

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**THANET EXTENSION  
OFFSHORE WIND FARM**


**Anchoring Traffic -  
Ship Draught**

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

**Anchoring Traffic (No. Per Day)**

**Vessel Draught (m) - Max: 8.2m**

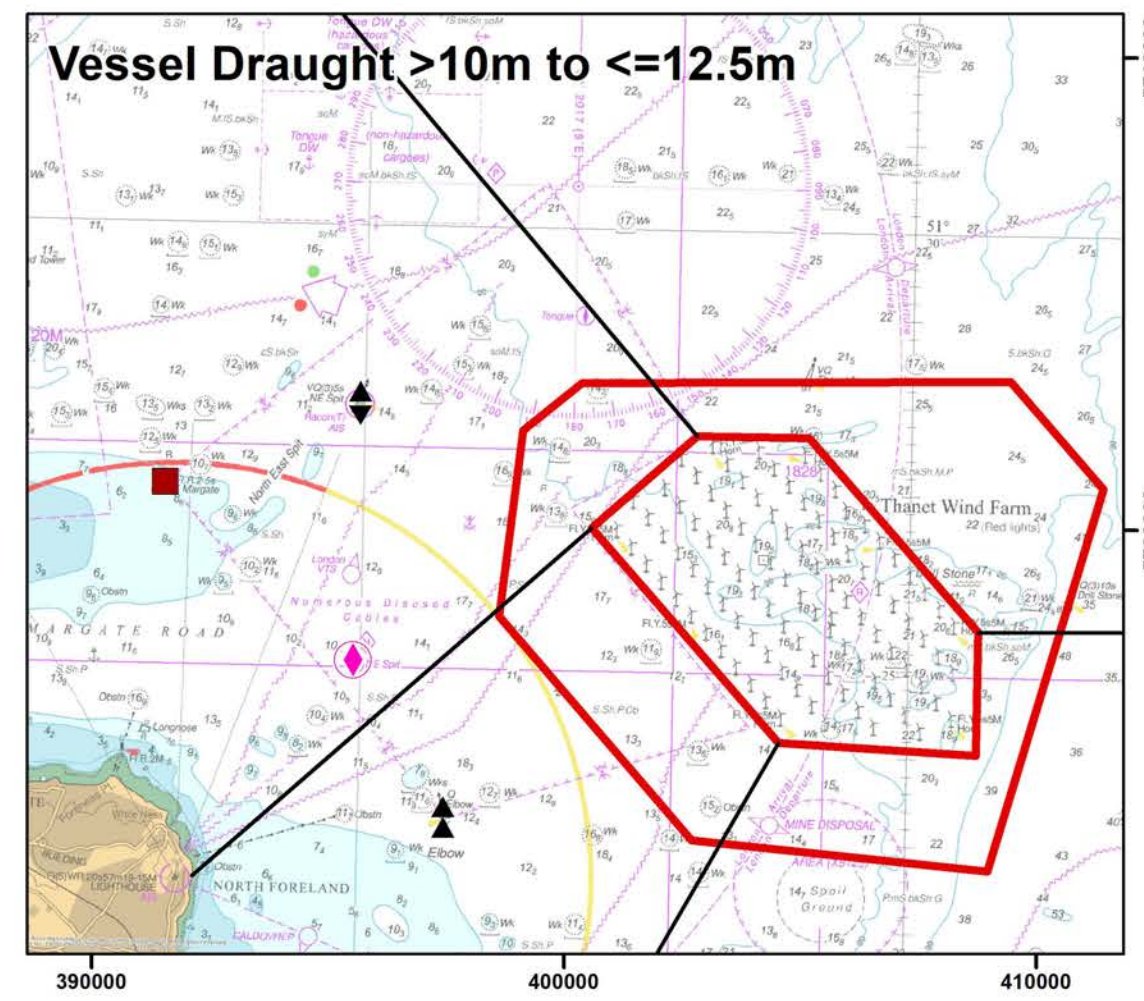
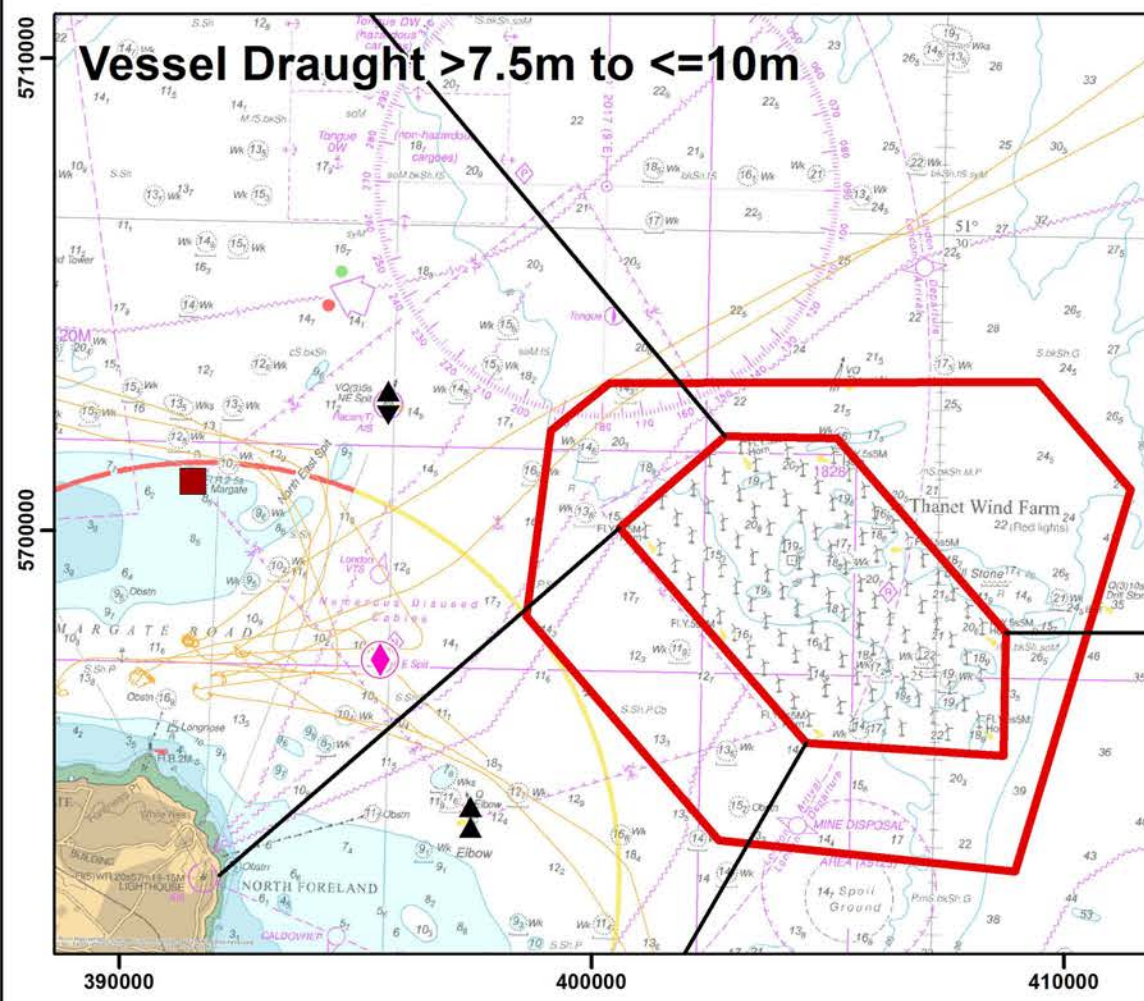
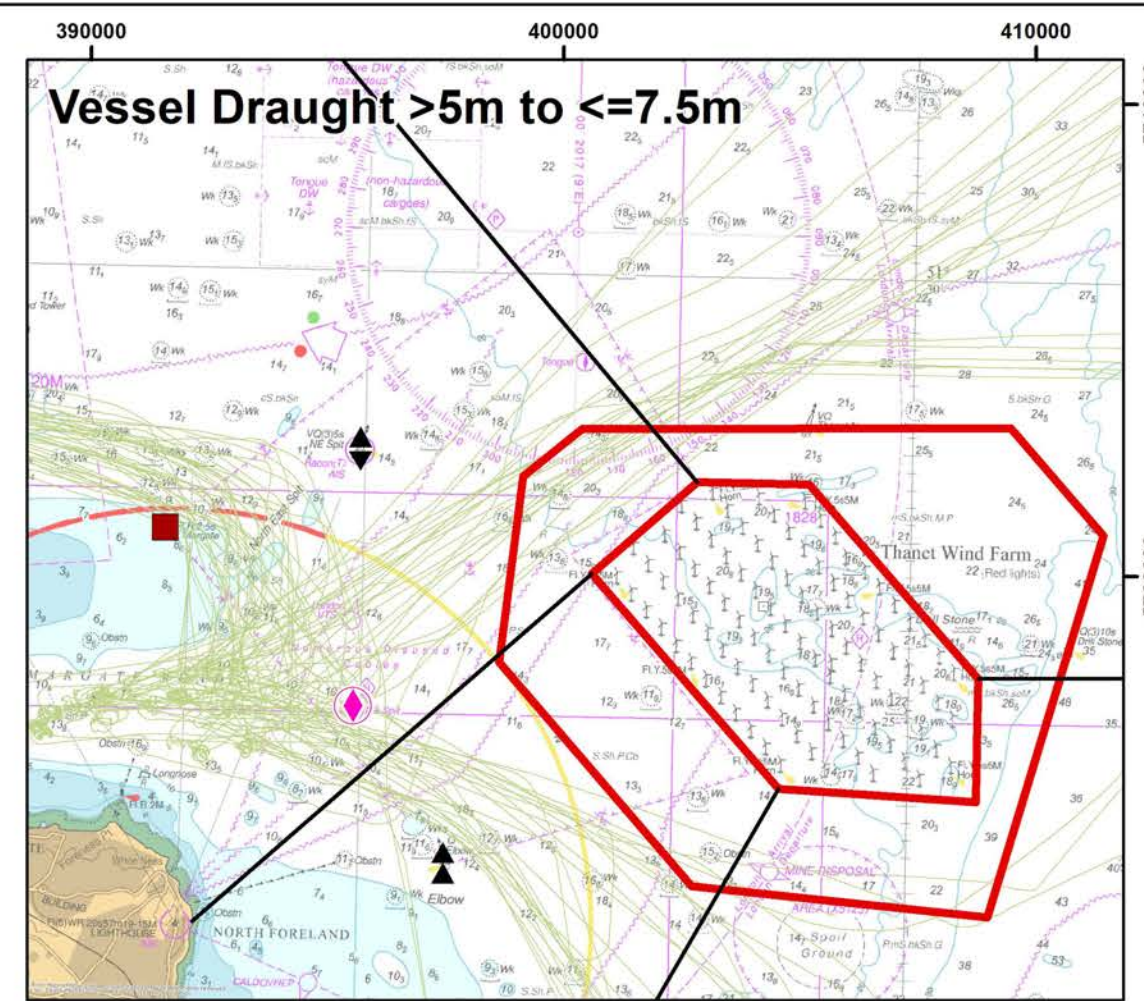
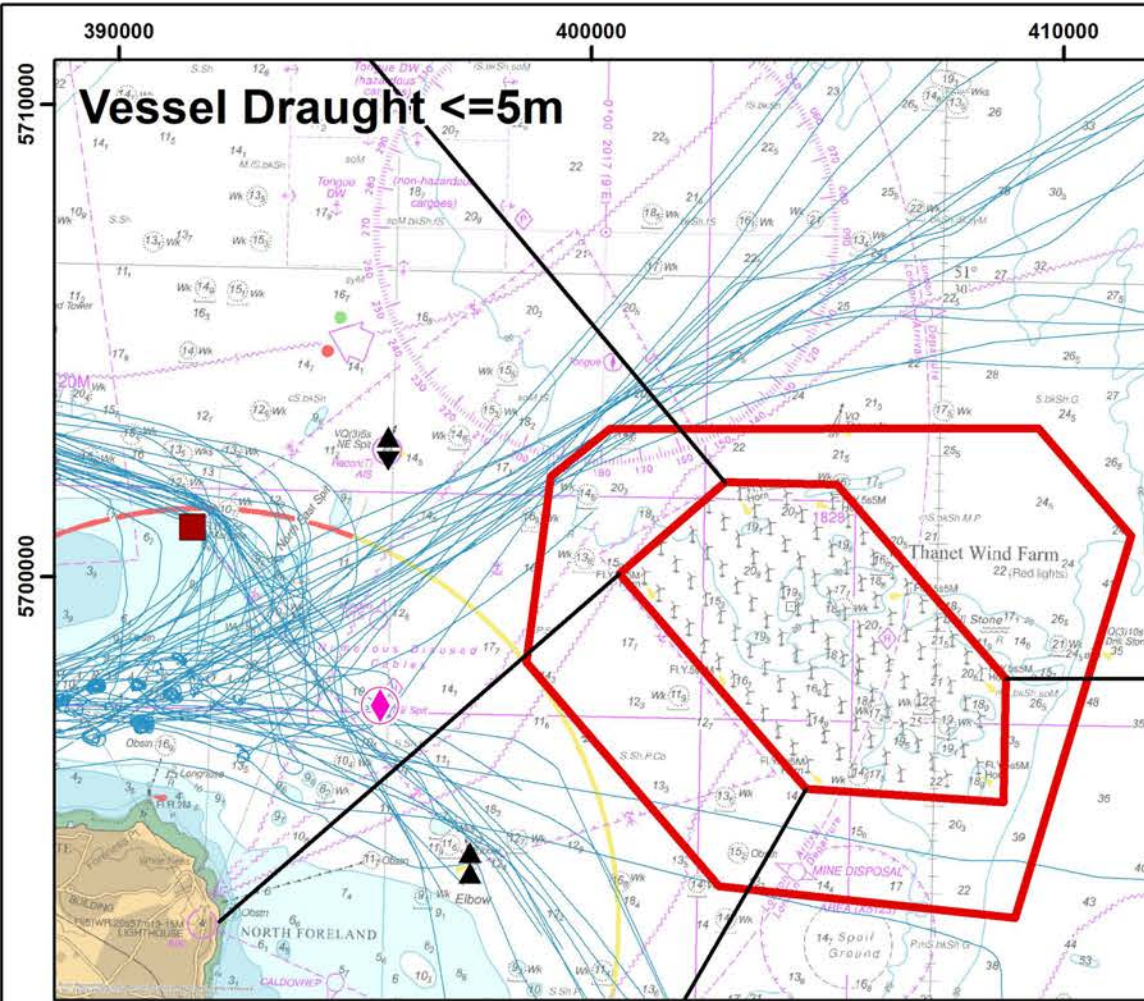
-  0 - 5 (2.8 Vessels)
-  5 - 7.5 (2.5 Vessels)
-  7.5 - 10 (0.4 Vessels)
-  10 - 12.5 (0 Vessels)

Draught (m)	Per 24hrs	Per 31 Days	Per Year
0-5	2.8	86.6	1019.9
5-7.5	2.5	78.4	923.2
7.5-10	0.4	10.9	128.8
10-12.5	0.0	0.0	0.0
<b>TOTAL</b>	<b>5.7</b>	<b>176.0</b>	<b>2071.9</b>

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Drg No	16UK1255_Anchoring Traffic Ship Draught v3				



**THANET EXTENSION  
OFFSHORE WIND FARM**

Anchoring Traffic -  
Ship LOA

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

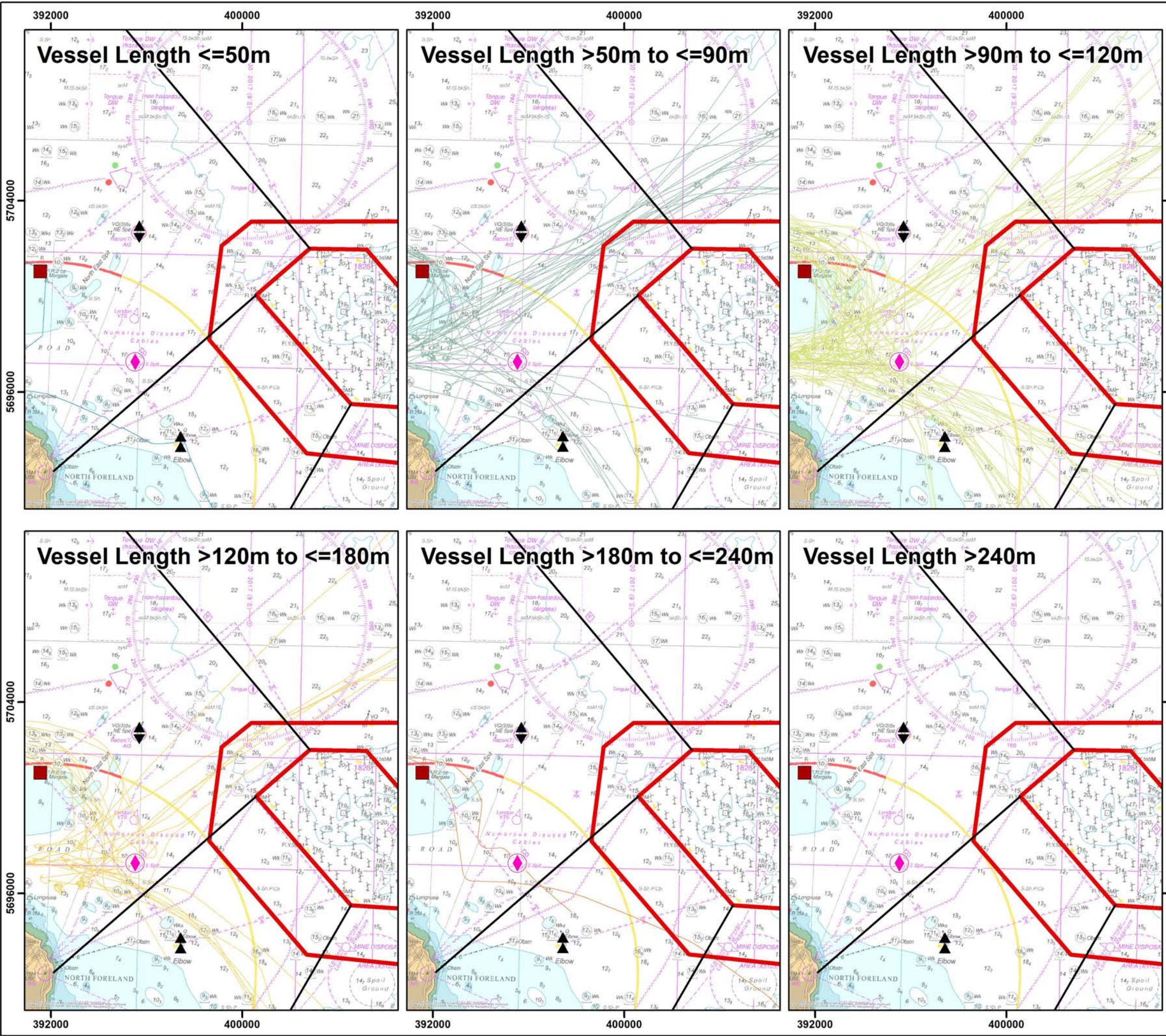
**Anchoring Traffic (No. Per Day)**

**Vessel LOA (m) - Max: 184m**

-  0 - 50 (0.1 Vessels)
-  50 - 90 (2.0 Vessels)
-  90 - 120 (2.4 Vessels)
-  120 - 180 (1.1 Vessels)
-  180 - 240 (0.06 Vessels)
-  > 240 (0 Vessels)

Length (m)	Per 24hrs	Per 31 Days	Per Year
0-50	0.1	1.8	21.5
50-90	2.0	62.0	730.0
90-120	2.4	74.8	880.3
120-180	1.1	32.8	386.5
180-240	0.06	1.8	21.5
>240	0.0	0.0	0.0
<b>TOTAL</b>	<b>5.6</b>	<b>173.2</b>	<b>2039.7</b>

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**THANET EXTENSION  
OFFSHORE WIND FARM**

**Anchoring Traffic -  
Ship Type**

**Legend**

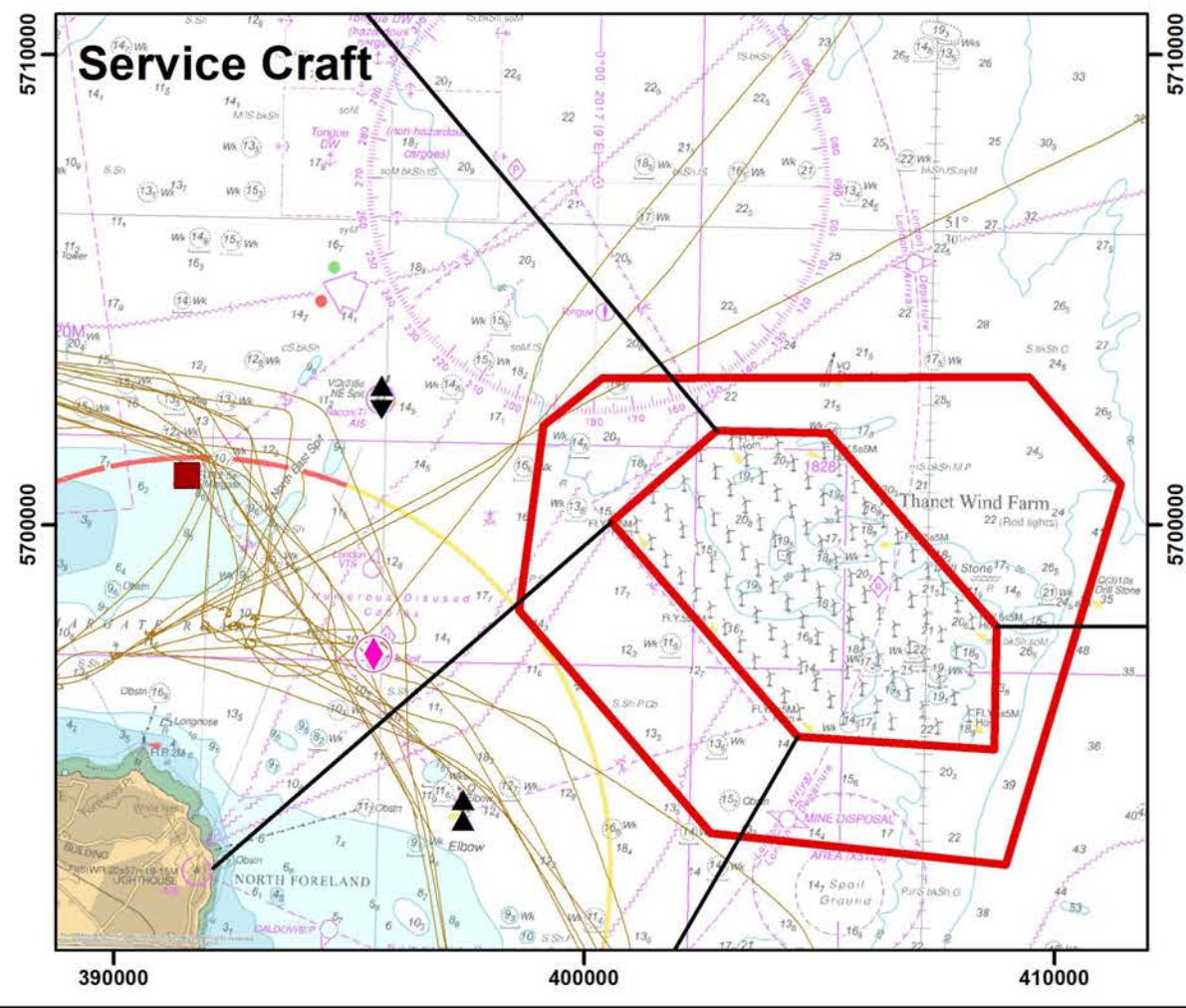
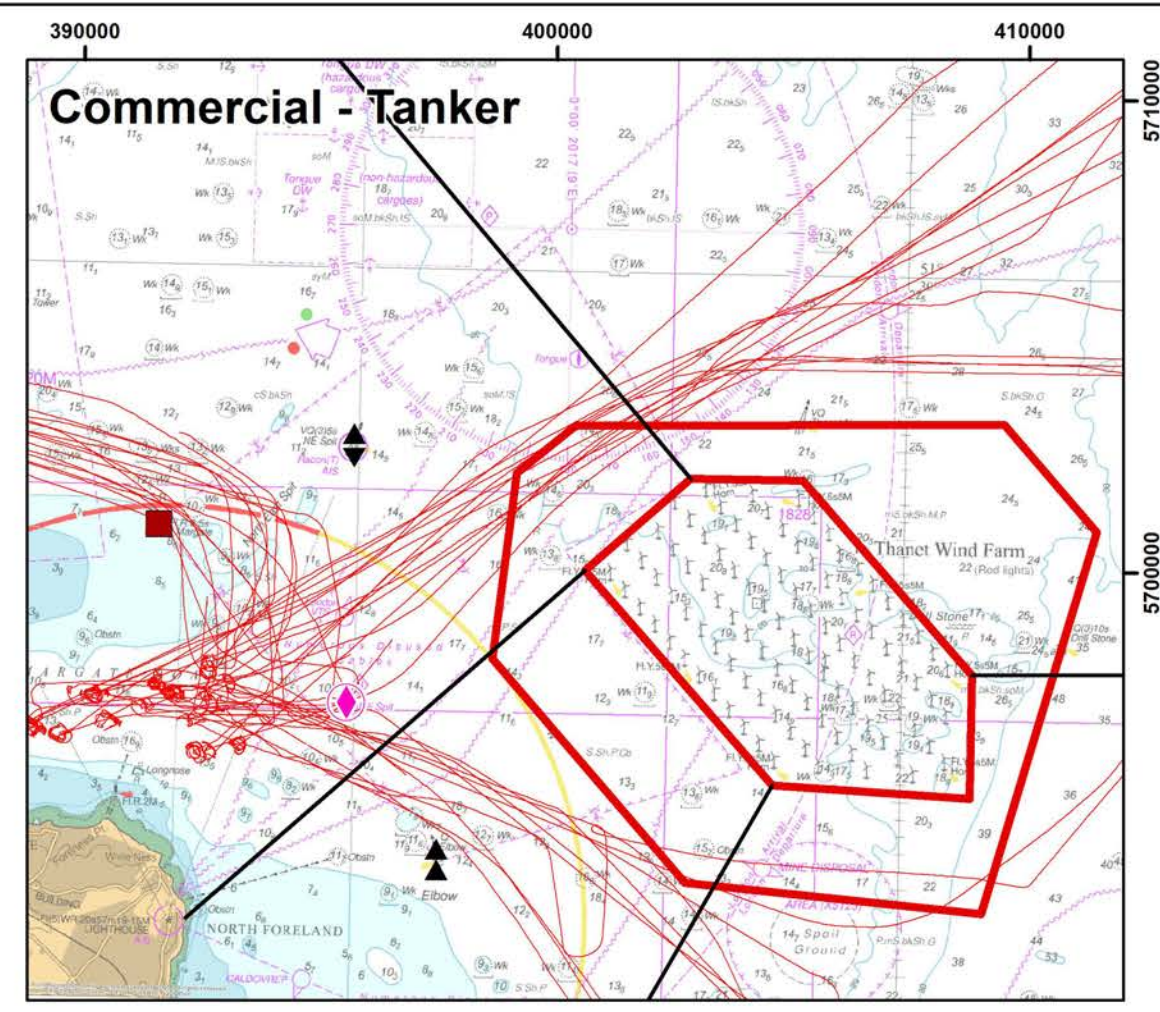
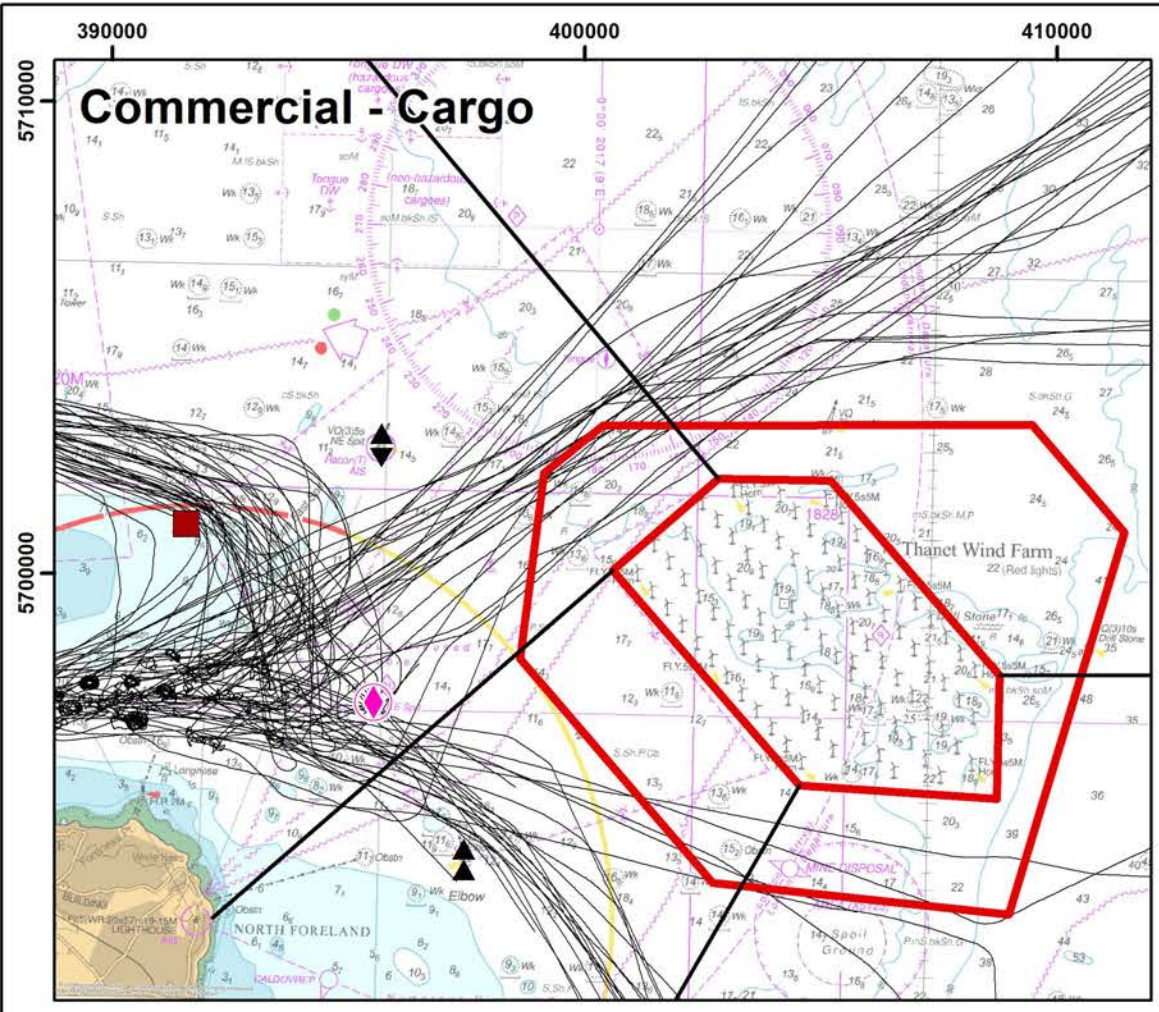
-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

**Anchoring Traffic**

**Ship Category (No. Per Day)**

-  Commercial - Cargo (3.4)
-  Commercial - Tanker (1.5)
-  Service Craft (0.6)

Category	Per 24hrs	Per 31 Days	Per Year
Commercial - Cargo	3.4	104.9	1234.6
Commercial - Tanker	1.5	47.4	558.2
Service Craft	0.6	19.1	225.4
<b>TOTAL</b>	<b>5.5</b>	<b>171.4</b>	<b>2018.2</b>



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Drg No	16UK1255_Anchoring_Traffic_ShipType_v3				

**THANET EXTENSION OFFSHORE WIND FARM**

Dipping Traffic - Ship Draught

**Legend**

-  Pilot Station
-  North East Spit
-  Elbow
-  East Margate
-  Sea Zone Boundary
-  Proposed RLB

**Dipping Traffic (No. Per Day)**

**Vessel Draught (m) - Max: 10.2m**

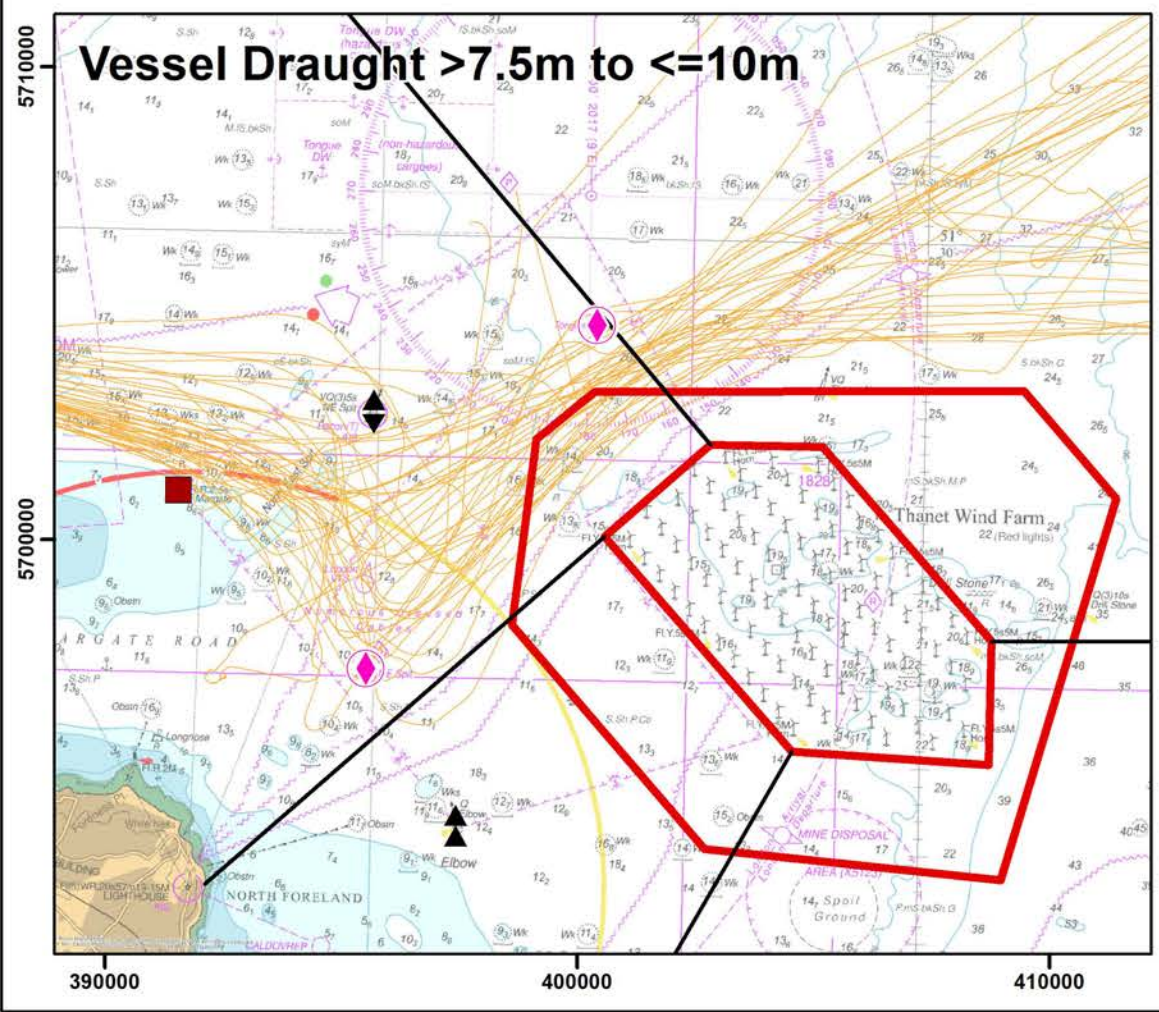
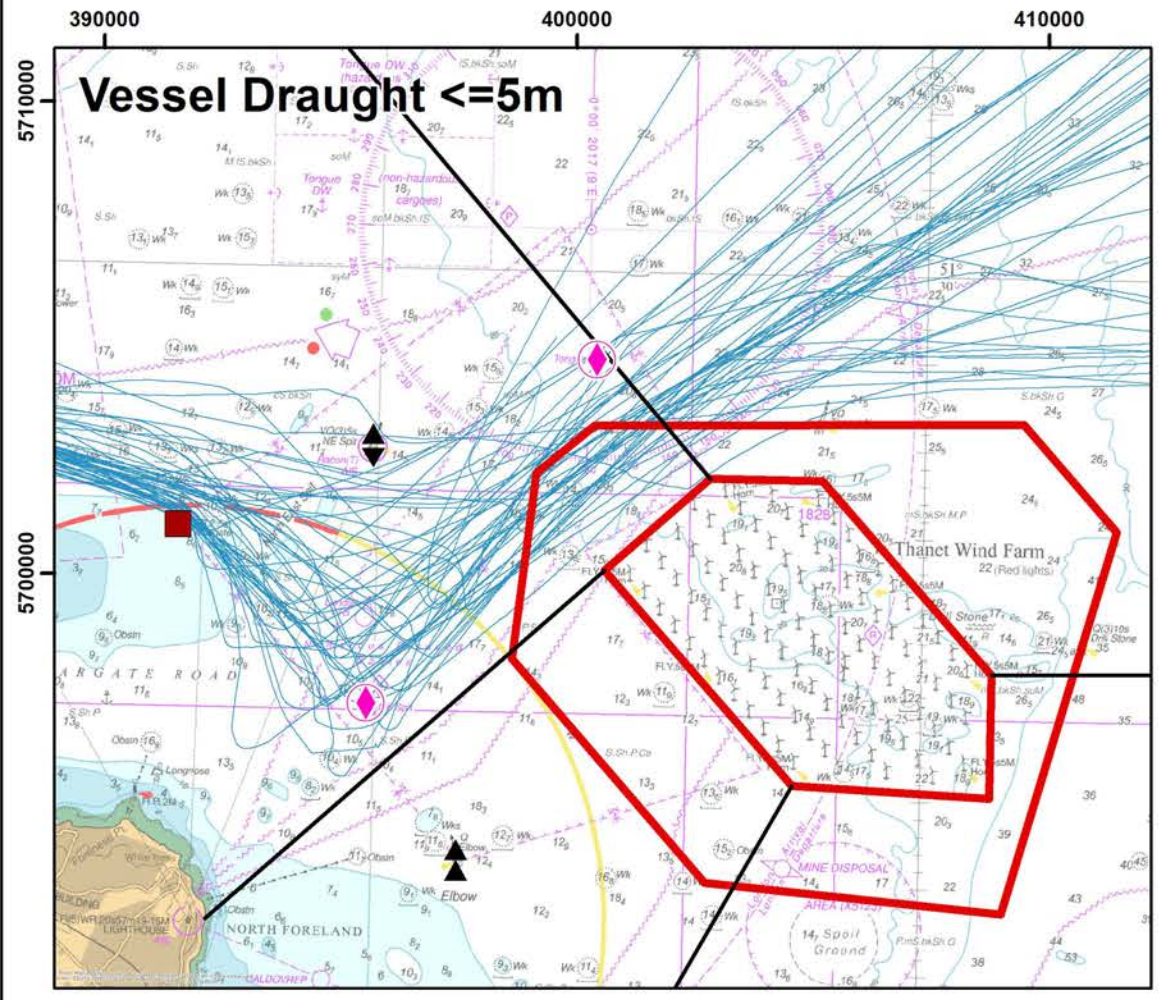
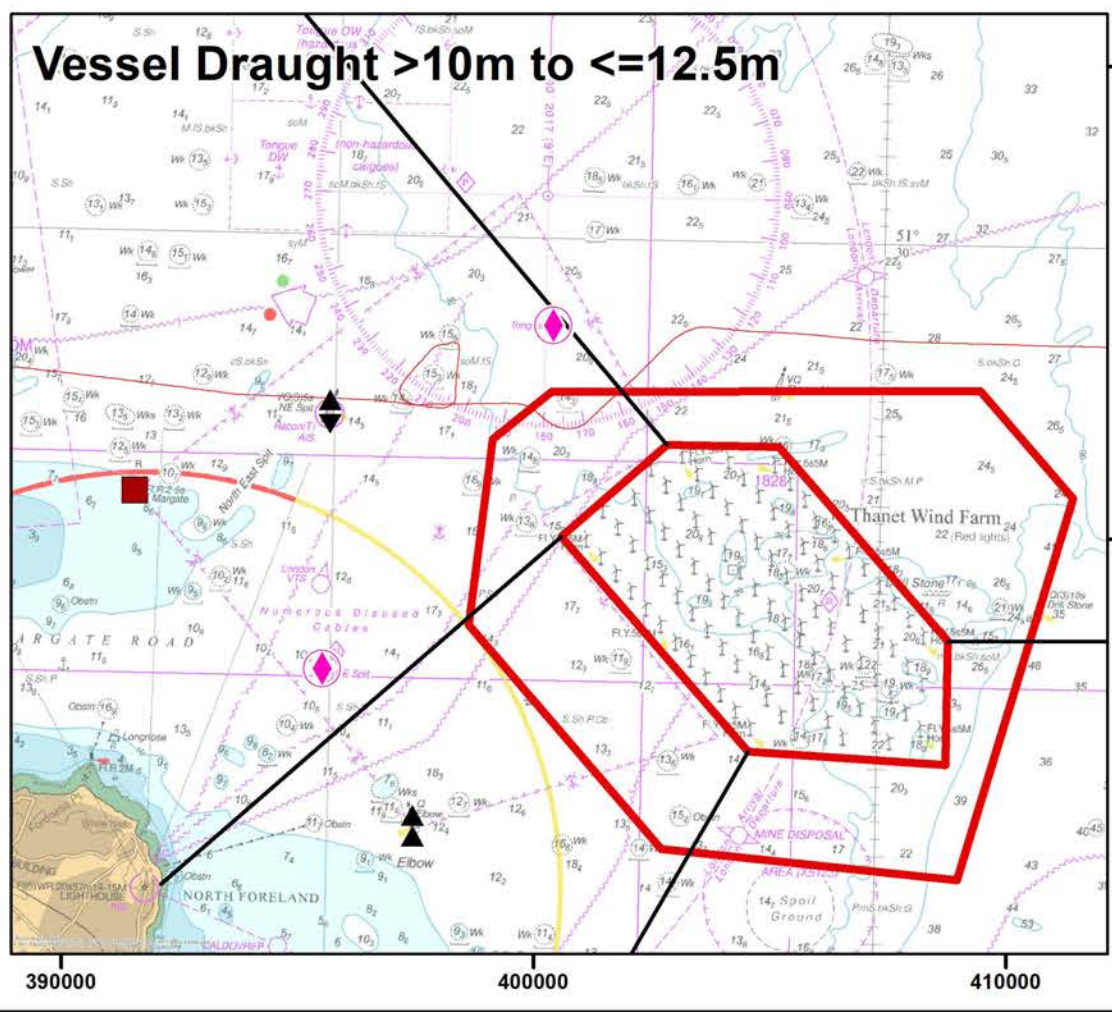
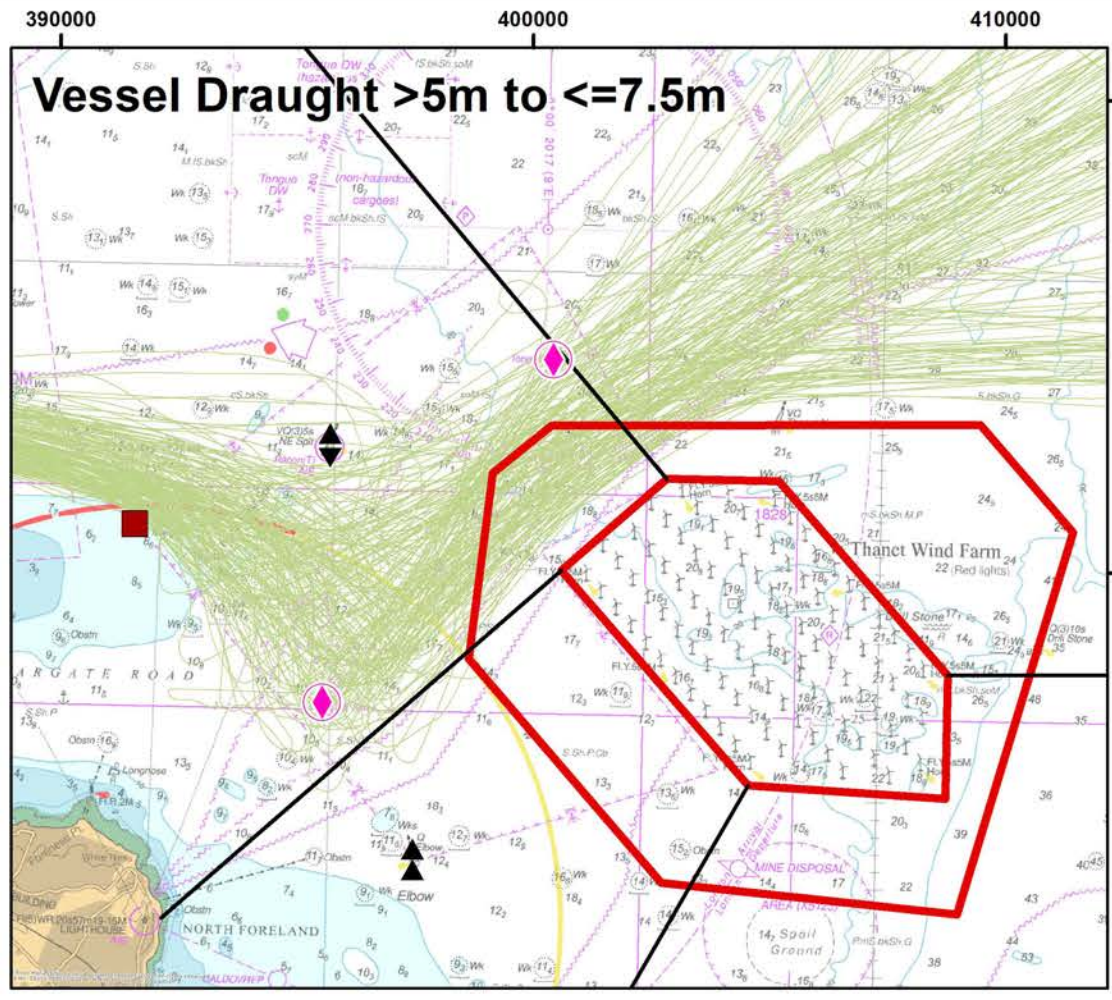
-  0 - 5 (1.4 Vessels)
-  5 - 7.5 (5.2 Vessels)
-  7.5 - 10 (1.3 Vessels)
-  10 - 12.5 (0.03 Vessels)

Draught (m)	Per 24hrs	Per 31 Days	Per Year
0-5	1.4	43.8	515.3
5-7.5	5.2	161.4	1900.1
7.5-10	1.3	40.1	472.4
10-12.5	0.03	0.9	10.7
<b>TOTAL</b>	<b>7.9</b>	<b>246.2</b>	<b>2898.5</b>

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Drg No	16UK1255_Dipping_Traffic_Ship_Draught_v3				



**THANET EXTENSION  
OFFSHORE WIND FARM**





Dipping Traffic -  
Ship LOA

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

**Dipping Traffic (No. Per Day)**

Vessel LOA (m) - Max: 299m

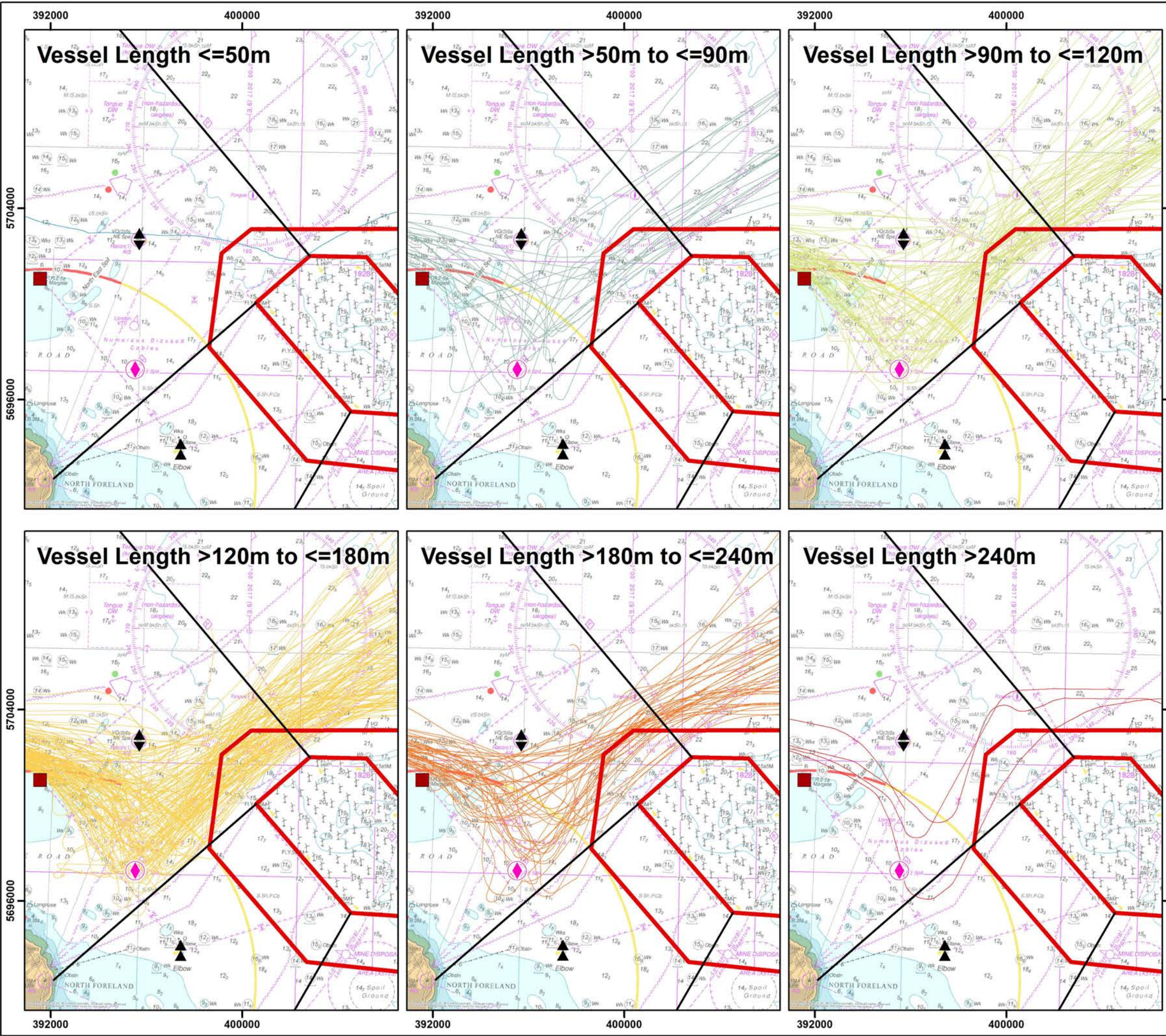
-  0 - 50 (0.03 Vessels)
-  50 - 90 (0.6 Vessels)
-  90 - 120 (1.9 Vessels)
-  120 - 180 (3.8 Vessels)
-  180 - 240 (1.4 Vessels)
-  > 240 (0.1 Vessels)

Length (m)	Per 24hrs	Per 31 Days	Per Year
0-50	0.03	0.9	10.7
50-90	0.6	20.1	236.2
90-120	1.9	59.3	697.8
120-180	3.8	118.5	1395.6
180-240	1.4	43.8	515.3
>240	0.1	3.6	42.9
<b>TOTAL</b>	<b>7.9</b>	<b>246.2</b>	<b>2898.5</b>

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Drg No	16UK1255_Dipping_Traffic_Ship_LOA_v3				



**THANET EXTENSION OFFSHORE WIND FARM**

Dipping Traffic - Ship Type

Legend

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

Dipping Traffic

Ship Category (No. Per Day)

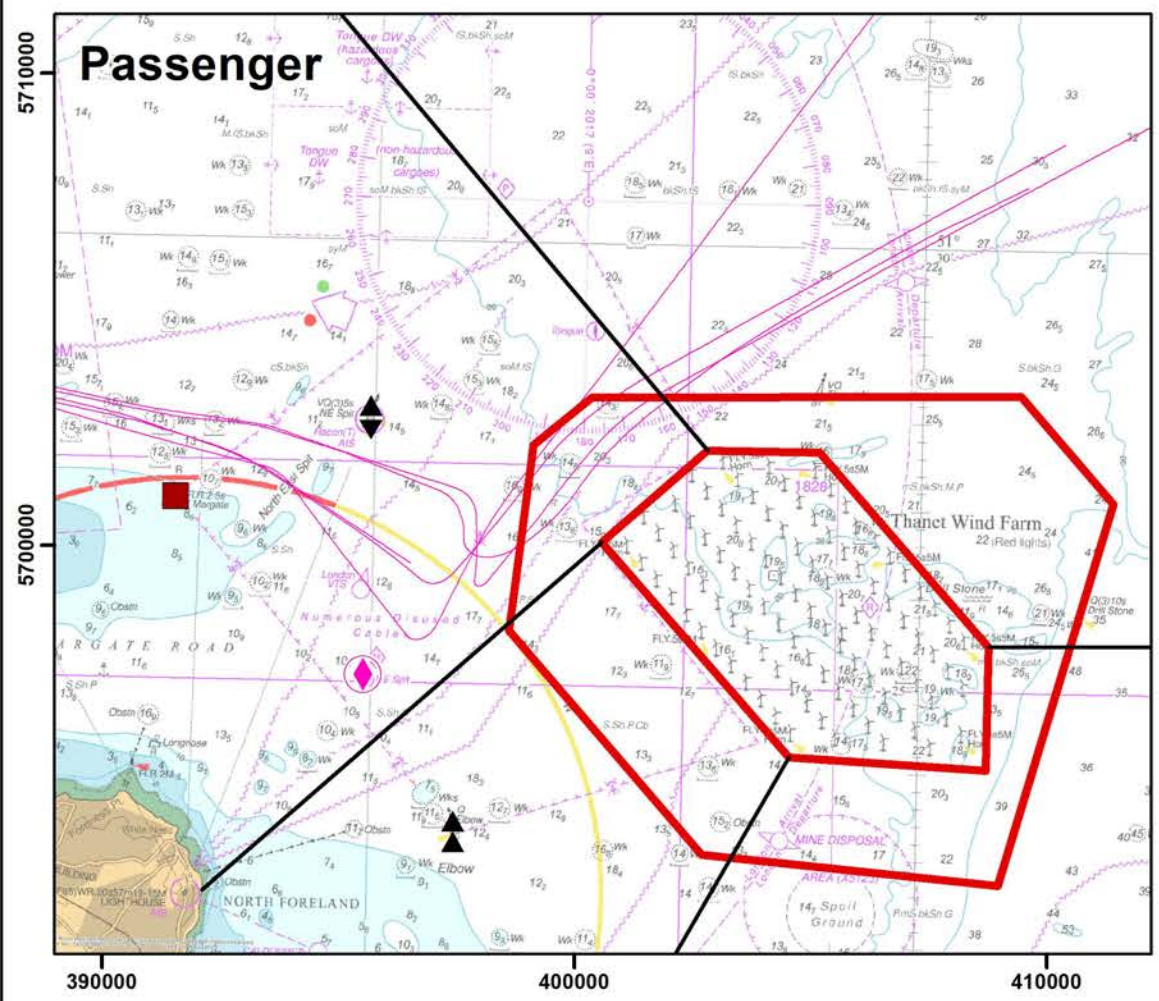
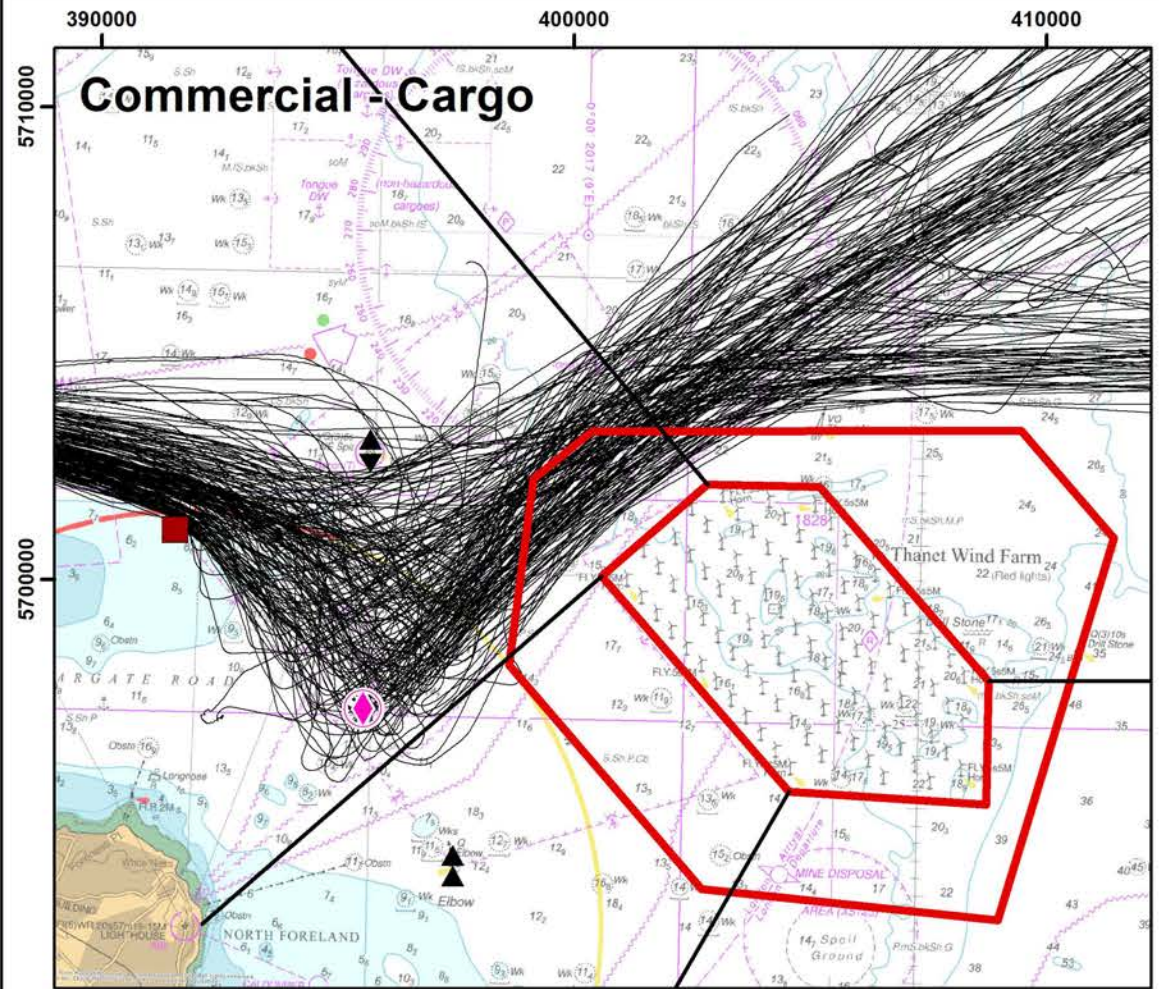
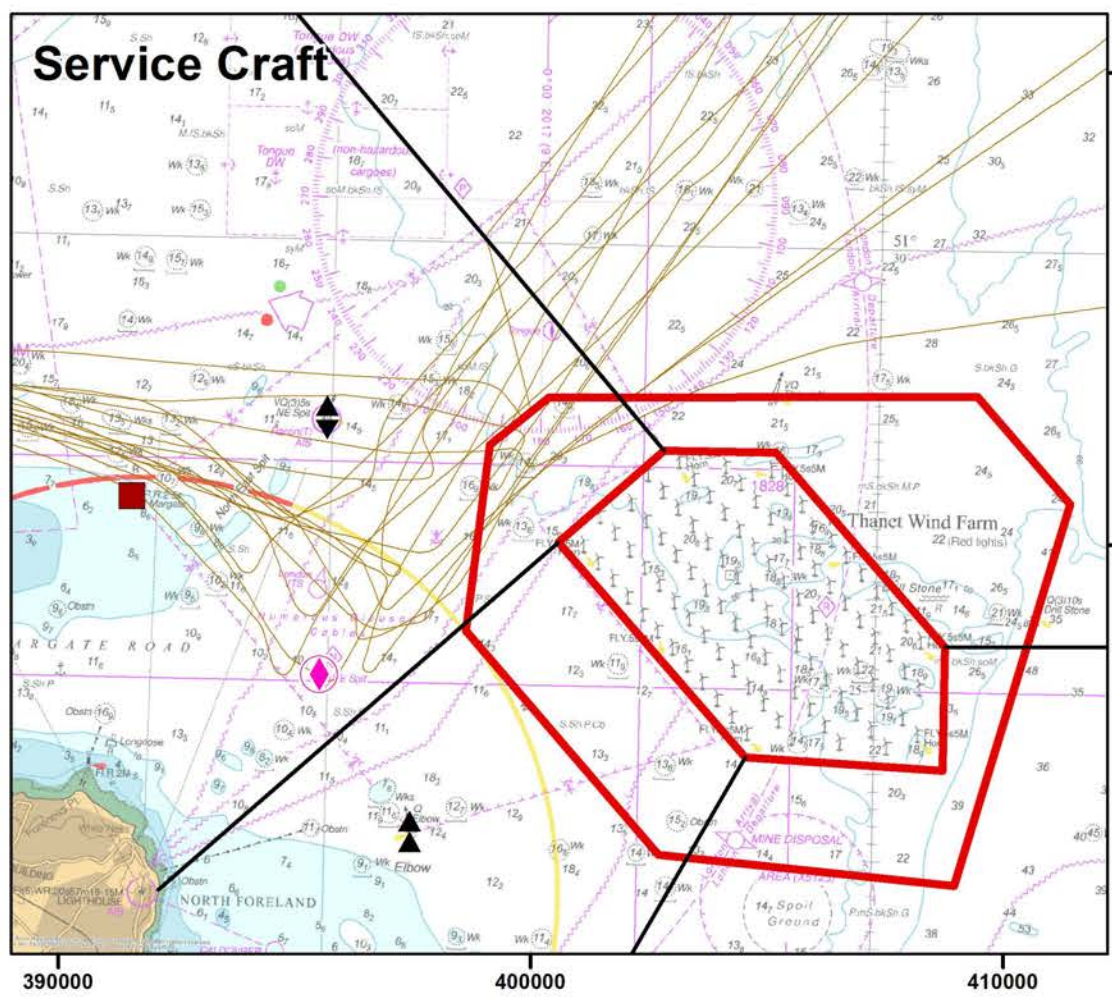
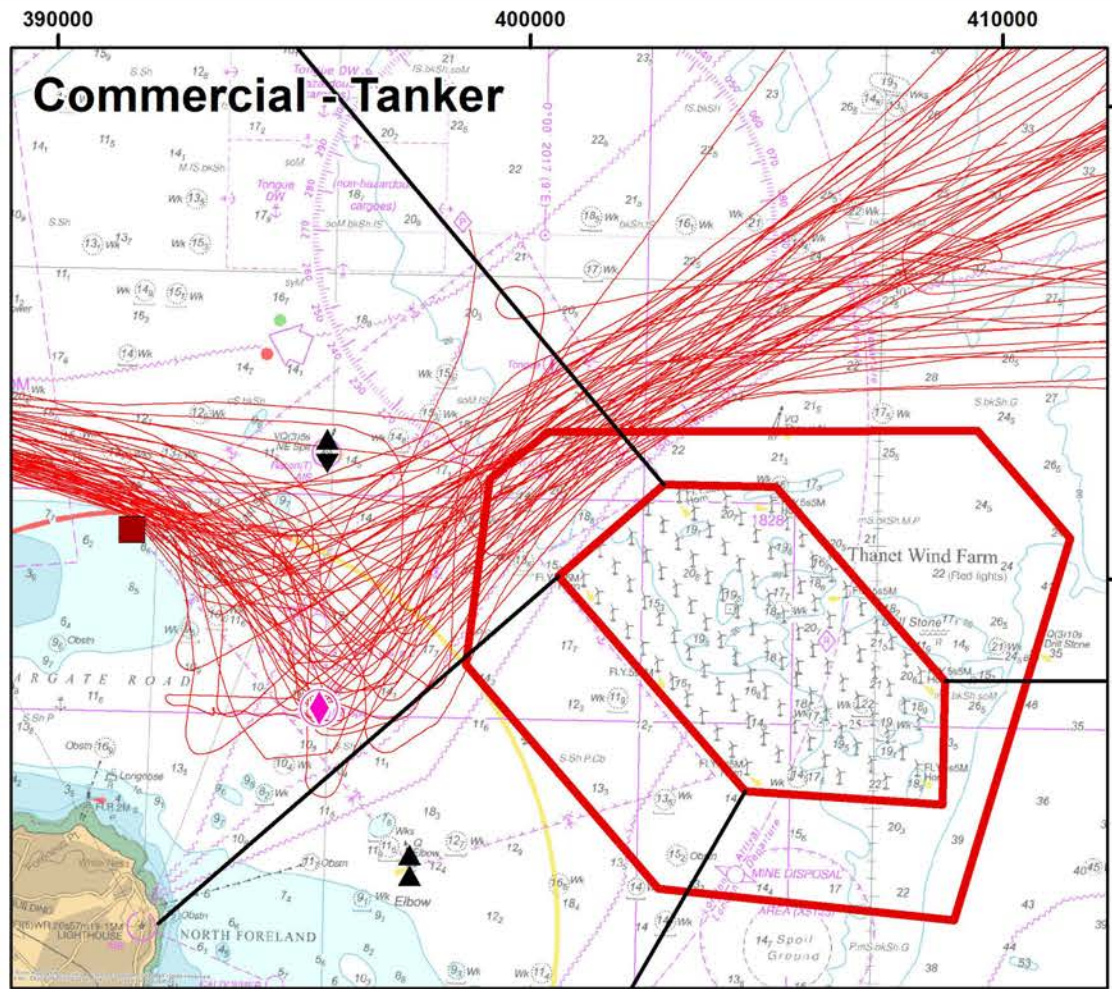
-  Commercial - Cargo (5.5)
-  Commercial - Tanker (1.7)
-  Passenger (0.1)
-  Service Craft (0.4)

Category	Per 24hrs	Per 31 Days	Per Year
Commercial - Cargo	5.5	170.5	2007.5
Commercial - Tanker	1.7	53.8	633.4
Passenger	0.1	4.6	53.7
Service Craft	0.4	13.7	161.0
<b>TOTAL</b>	<b>7.8</b>	<b>242.5</b>	<b>2855.6</b>

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**THANET EXTENSION  
OFFSHORE WIND FARM**

Inshore Traffic -  
Ship Draught

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

**Inshore Through Traffic (No. Per Day)**

**Vessel Draught (m) - Max: 10.1m**

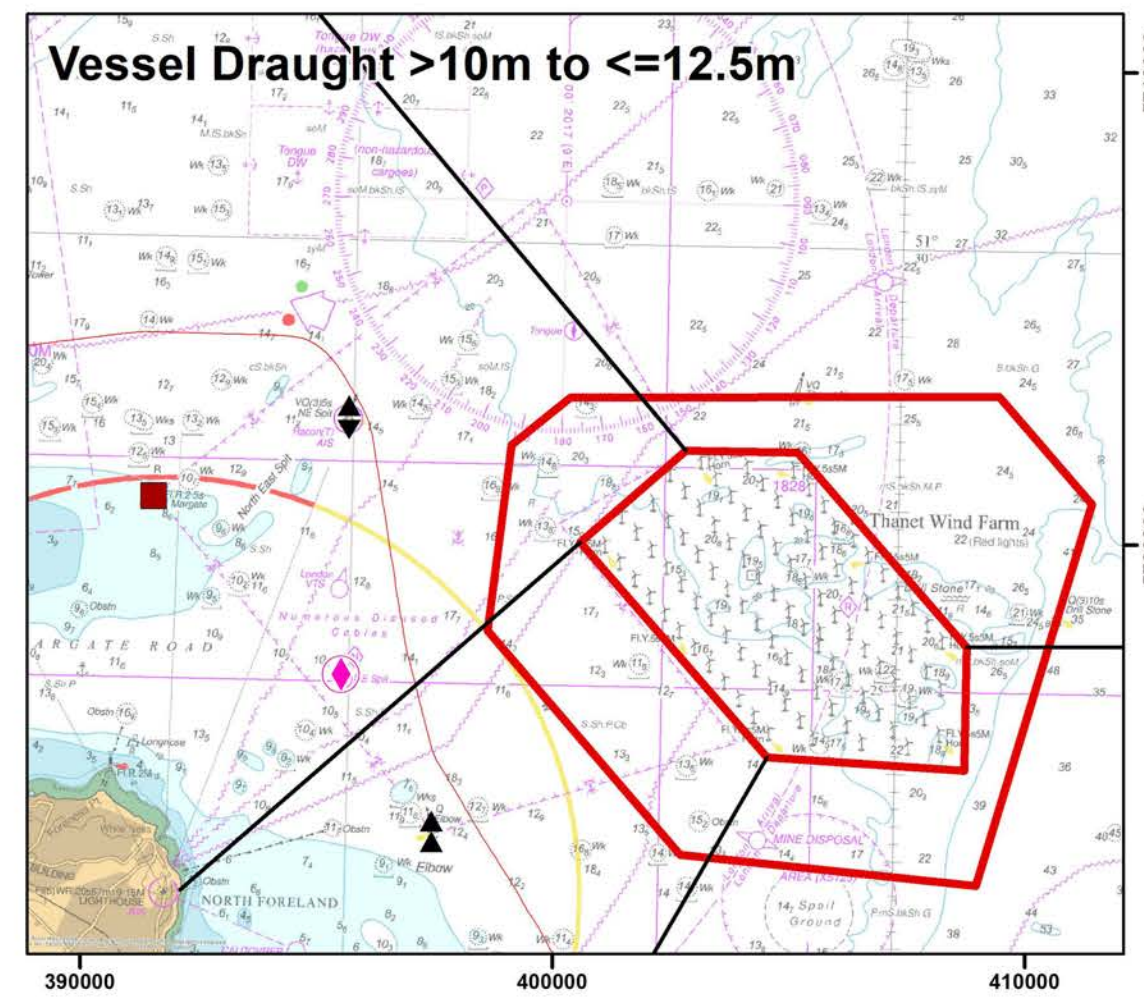
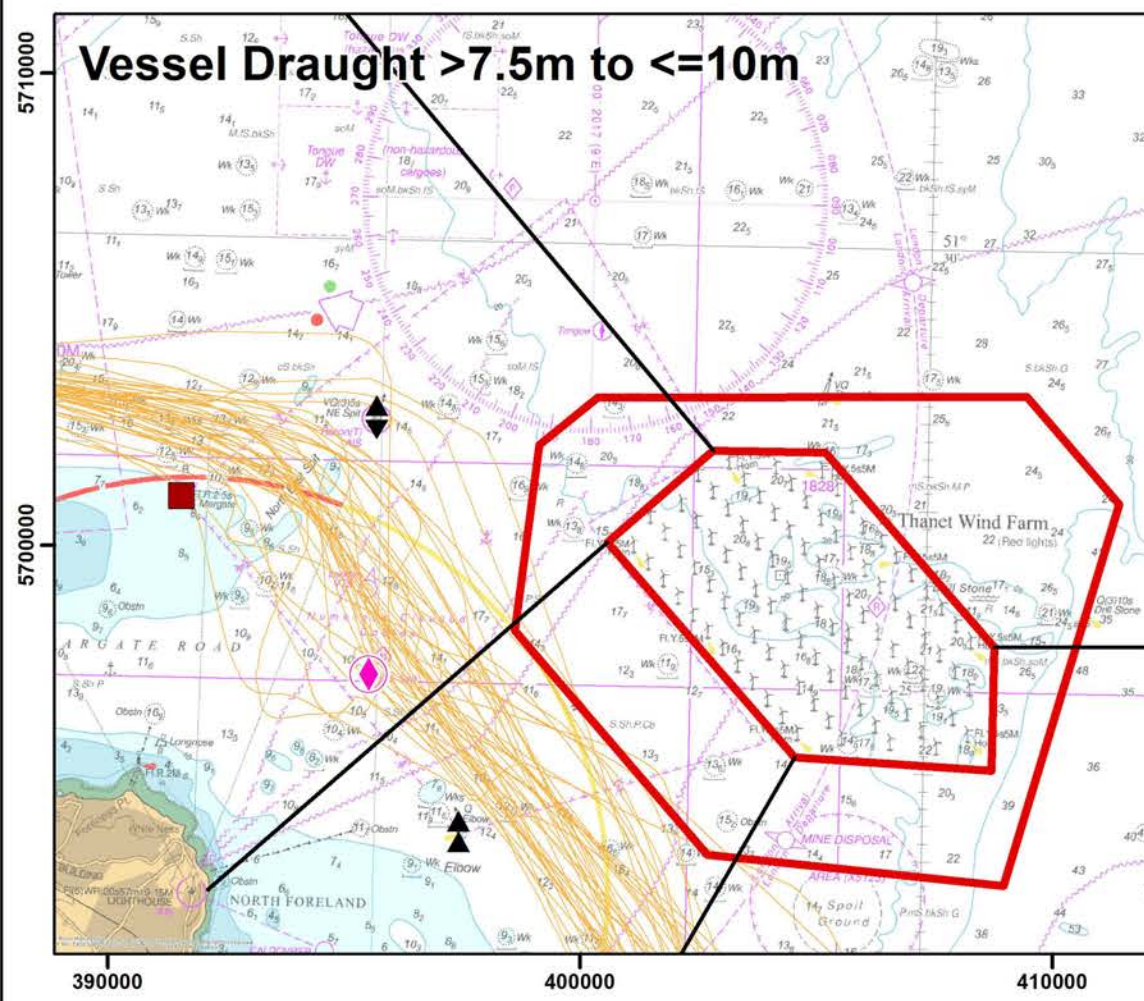
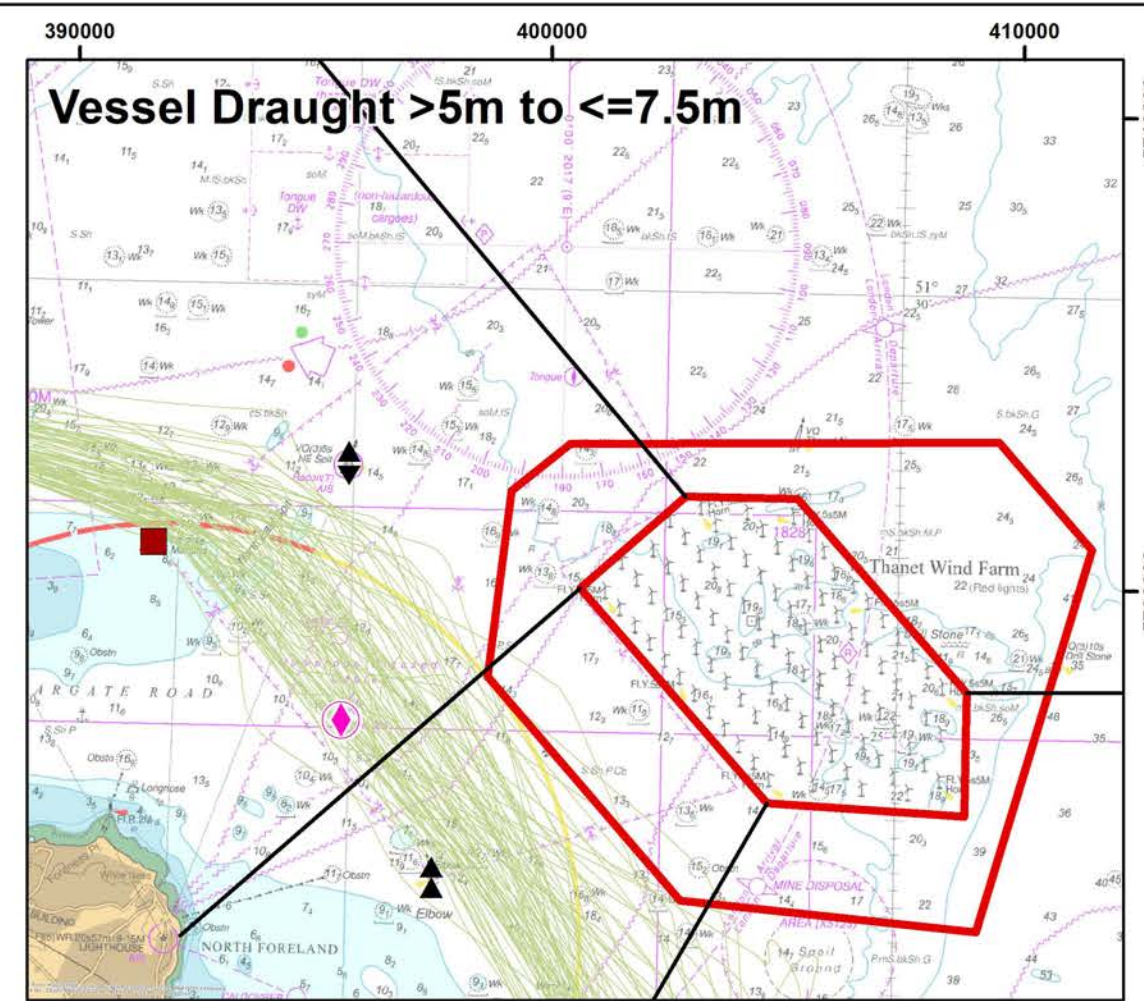
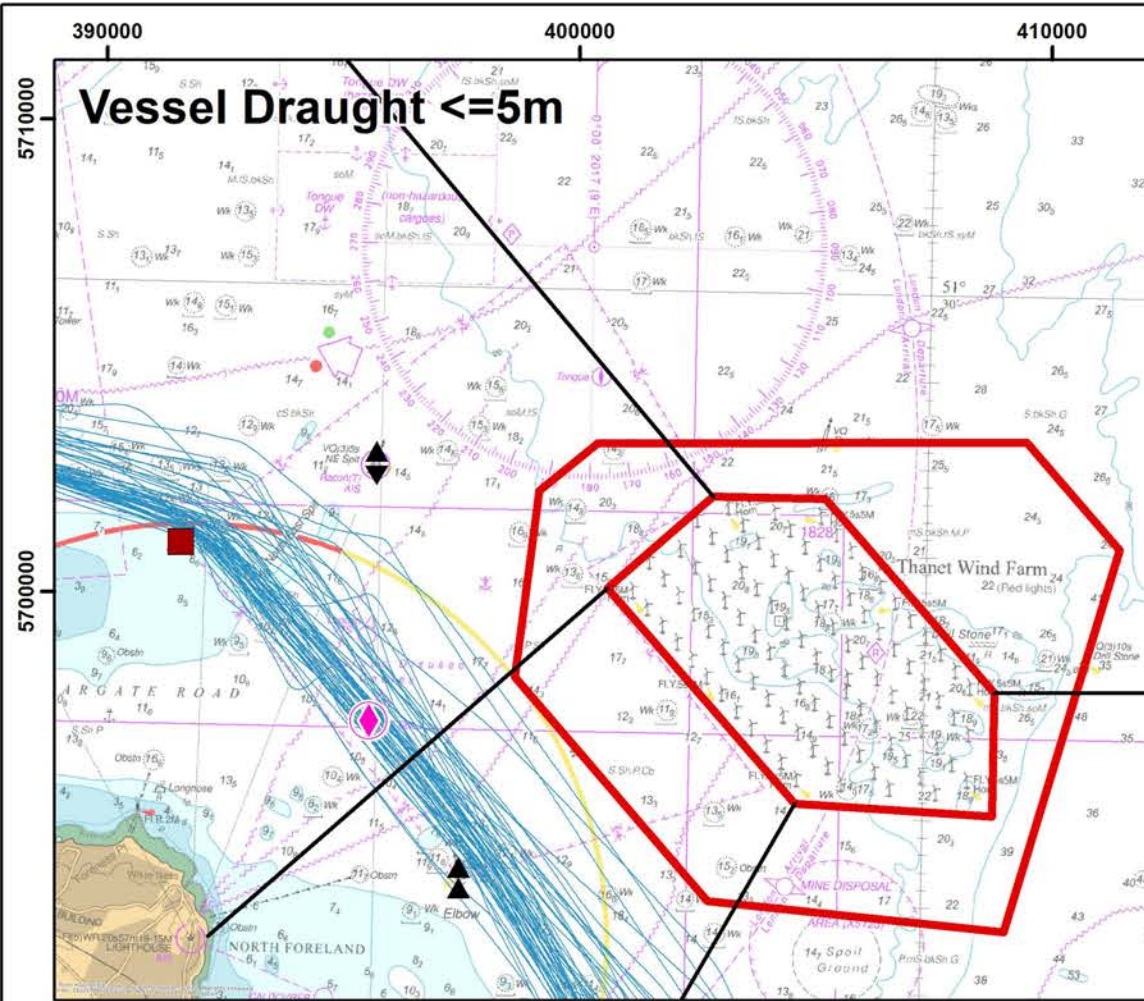
-  0 - 5 (1.6 Vessels)
-  5 - 7.5 (2.5 Vessels)
-  7.5 - 10 (1.3 Vessels)
-  10 - 12.5 (0.03 Vessels)

Draught (m)	Per 24hrs	Per 31 Days	Per Year
0-5	1.6	50.1	590.4
5-7.5	2.5	77.5	912.5
7.5-10	1.3	41.0	483.1
10-12.5	0.03	0.9	10.7
<b>TOTAL</b>	<b>5.5</b>	<b>169.6</b>	<b>1996.8</b>

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Drg No	16UK1255_Inshore_Traffic_Ship_Draught_v3				



**THANET EXTENSION  
OFFSHORE WIND FARM**



Inshore Traffic -  
Ship LOA

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

Inshore Through Traffic (No. Per Day)

Vessel LOA (m) - Max: 299m

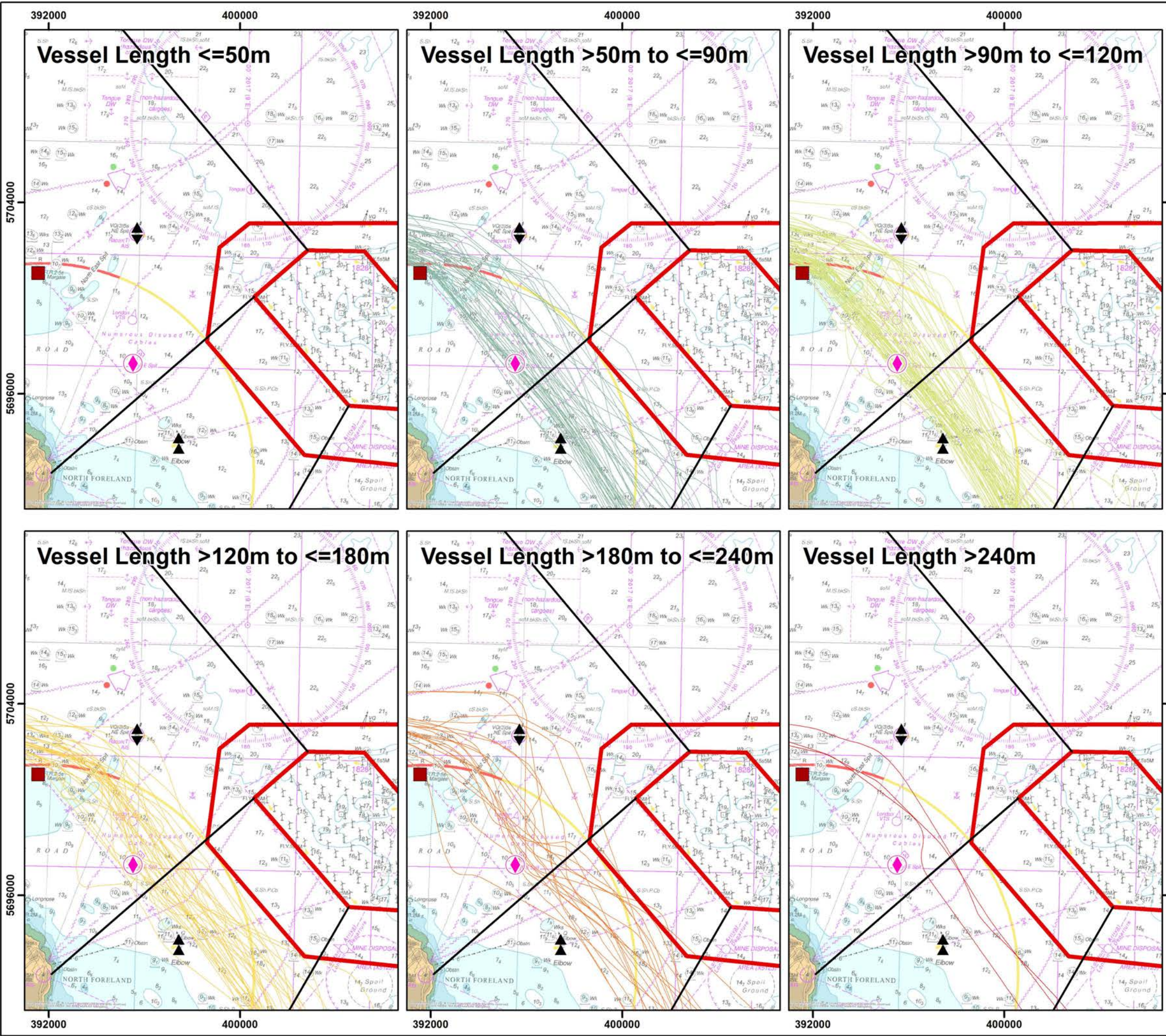
-  0 - 50 (0 Vessels)
-  50 - 90 (1.5 Vessels)
-  90 - 120 (2.2 Vessels)
-  120 - 180 (1.1 Vessels)
-  180 - 240 (0.6 Vessels)
-  > 240 (0.09 Vessels)

Length (m)	Per 24hrs	Per 31 Days	Per Year
0-50	0.0	0.0	0.0
50-90	1.5	46.5	547.5
90-120	2.2	69.3	815.9
120-180	1.1	32.8	386.5
180-240	0.6	18.2	214.7
>240	0.09	2.7	32.2
<b>TOTAL</b>	<b>5.5</b>	<b>169.6</b>	<b>1996.8</b>

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**THANET EXTENSION  
OFFSHORE WIND FARM**


**Inshore Traffic -  
Ship Type**

**Legend**

-  North East Spit
-  Elbow
-  East Margate
-  Pilot Station
-  Sea Zone Boundary
-  Proposed RLB

**Inshore Through Traffic**

**Ship Category (No. Per Day)**

-  Commercial - Cargo (3.6)
-  Commercial - Tanker (0.2)
-  Passenger (0.03)
-  Service Craft (1.6)

Category	Per 24hrs	Per 31 Days	Per Year
Commercial - Cargo	3.6	113.1	1331.2
Commercial - Tanker	0.2	5.5	64.4
Passenger	0.03	0.9	10.7
Service Craft	1.6	49.2	579.7
<b>TOTAL</b>	<b>5.4</b>	<b>168.7</b>	<b>1986.0</b>

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