

Axe Yacht Club

RYA Yachtmaster Shorebased Course 2021

Further Plotting Examples

Chart RYA4 Plan F
Take Variation as 6°W
Use the Deviation Card in the Training Almanac

The following are extracts from a fishing boat's log.

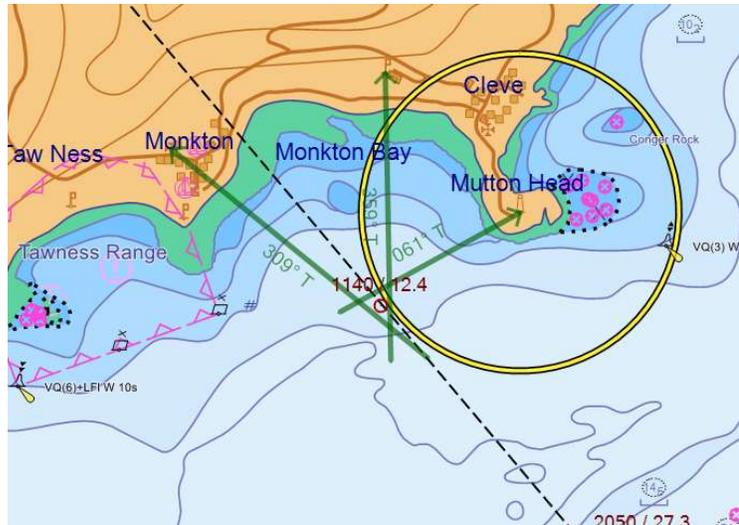
Time	Course	Log	Wind	L/W	Narrative
1140	145C	12.4	N	-	Monkton Church Spire 309M Cleve Golf Club Flag Pole 004M Lt on Mutton Hd 067M Depth (reduced to soundings) 16.5m <i>1. Plot and record the position of the vessel at 1140.</i>
1158	200C	15.0	N	-	Hinder Island - Fl(4) 15s light in transit with chimney on bearing of 136M. NE Groats Buoy range 0.45nm by radar on approximate bearing 253M. <i>2. Plot and record the vessel's position at 1158.</i>
Later that day.....					
2020	091C	24.3	N	-	Calf of Synka Lt in transit with Leslie Hd Lt on a bearing of 186M. SMP Platform (Oc 10s / Racon A) bears 285M. <i>3. Plot the boat's position at 2020.</i>
2050	091C	27.3	N	-	<i>4. Using the 2020 fix as the departure point, find the vessel's EP at 2050, if the tidal stream between 2020 and 2050 is 049T / 1.1 kn.</i> <i>5. Is it safe for the boat to trawl the bottom here?</i>

Solutions

Time	Course	Log	Wind	L/W	Narrative
1140	145C	12.4	N	-	Monkton Church Spire 309M Cleve Golf Club Flag Pole 004M Lt on Mutton Hd 067M Depth (reduced to soundings) 16.5m 1. Plot and record the position of the vessel at 1140.

M	V	T
309	6W	303
004	6W	358
067	6W	061

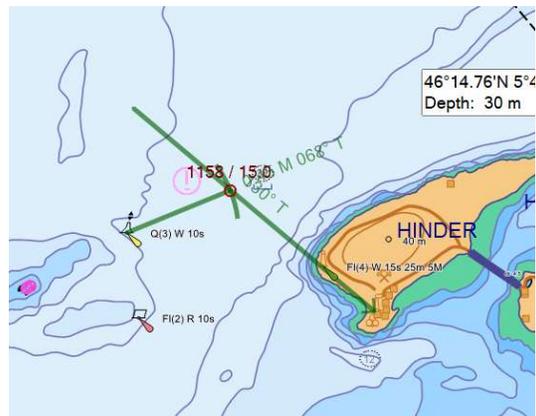
Position: 49° 15.75'N / 005° 50.23W



1158	200C	15.0	N	-	Hinder Island - Fl(4) 15s light in transit with chimney on bearing of 136M. NE Groats Buoy range 0.45nm by radar on approximate bearing 253M. 2. Plot and record the vessel's position at 1158.
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136M = 130T & 253M = 247T

1158 Position = 46° 14.22'N / 005° 50.89'W



2020	091C	24.3	N	-	Calf of Synka Lt in transit with Leslie Hd Lt on a bearing of 186M. SMP Platform (Oc 10s / Racon A) bears 285M. 3. Plot the boat's position at 2020.
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186M = 180T & 285M = 279T

2020 Position: 46° 14.61'N / 005° 53.81W



2050	091C	27.3	N	-	4. Using the 2020 fix as the departure point, find the vessel's EP at 2050, if the tidal stream between 2020 and 2050 is 049T / 1.1 kn. 5. Is it safe for the boat to trawl the bottom here?
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C	D	M	V	T
091	4E	095	6W	089



4. 2050 EP: 46° 15.02'N / 005° 48.90W

5. There are two "dangerous" wrecks close to this position which could entangle trawling equipment.