

Waypoint	Breddegrad	Længdegrad	Kurs (oN)	Hastighed, Vs (Knob)	Distance (Sm)
Rute 1: Aarhus - Sælvig					
DOK1 kaj	56°09.27N	10°12.93E			
Indre havn	56°09.37N	10°13.00E	021,3	8	0,1
Indsejling	56°09.69N	10°13.82E	055,0	10	0,6
Aarhus Ø	56°09.75N	10°14.15E	072,0	16	0,2
Aarhus fairway midt	56°09.64N	10°14.57E	116,4	16	0,3
Aarhus fairway	56°08.92N	10°17.26E	115,4	25	1,7
N for Tunø	55°58.50N	10°28.90E	148,0	25	12,3
Sælvig N	55°52.52N	10°32,60E	160,8	25	6,3
Sælvig mole	55°51.95N	10°32.95E	161,0	10	0,6

Rute 2: Aarhus - Tunø - Sælvig					
DOK1 kaj	56°09.27N	10°12.93E			
Indre havn	56°09.37N	10°13.00E	021,3	8	0,1
Indsejling	56°09.69N	10°13.82E	055,0	10	0,6
Aarhus Ø	56°09.75N	10°14.15E	072,0	16	0,2
Aarhus fairway midt	56°09.64N	10°14.57E	116,4	16	0,3
Aarhus fairway	56°08.92N	10°17.26E	115,4	25	1,7
Tunø Røn	55°57.10N	10°28.20E	233,7	10	0,5
Tunø mole	55°56.94N	10°27.35E	251,5	10	0,5
Tunø havn ind/ud	-	-	-	-	-
Tunø mole	55°56.94N	10°27.35E			
Tunø SØ	55°56.95N	10°27.60E	085,9	10	0,1
Sælvig N	55°52.52N	10°32,60E	147,6	25	5,3
Sælvig mole	55°51.95N	10°32.95E	161,0	10	0,6

Rute 3: Aarhus - Sælvig (Nødrute - vest om Tunø)					
DOK1 kaj	56°09.27N	10°12.93E			
Indre havn	56°09.37N	10°13.00E	021,3	8	0,1
Indsejling	56°09.69N	10°13.82E	055,0	10	0,6
Aarhus Ø	56°09.75N	10°14.15E	072,0	16	0,2
Aarhus fairway midt	56°09.64N	10°14.57E	116,4	16	0,2
Aarhus fairway midt1	56°09.27N	10°15.92E	115,9	25	0,8
Aarhus SØ	56°07.89N	10°16.11E	175,6	25	1,4
Norsminde NØ	56°02.45N	10°20.89E	153,8	25	6,0
Tunø NV	55°58.24N	10°23.96E	157,8	25	4,5
Tunø SV	55°56.95N	10°23.23E	197,6	25/18 *	1,4
Tunø S	55°55.78N	10°25.89E	128,1	25	1,9
Sælvig N	55°52.52N	10°32,60E	130,9	25	5,0
Sælvig mole	55°51.95N	10°32.95E	161,0	10	0,6

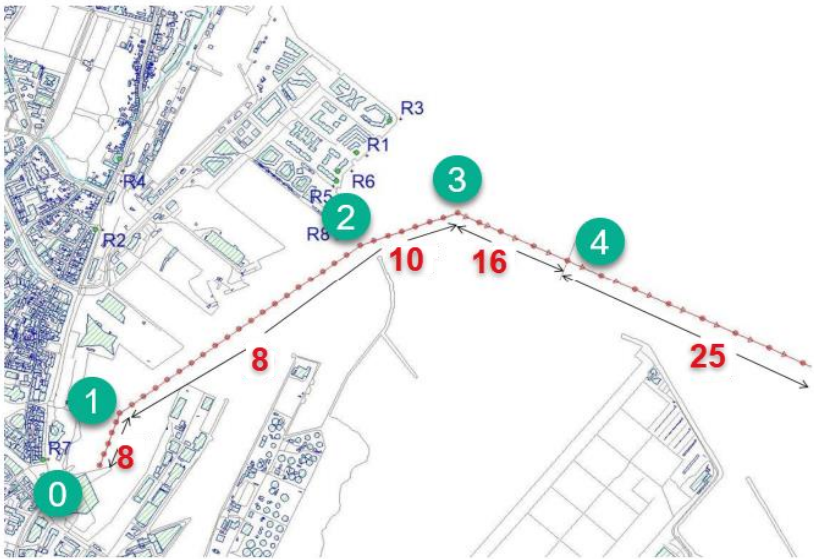
* ved aften/nat-sejlad er farten 18 knob

Alle-ruter-2023_v2.xlsx 02-10-2023

WP nr.
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12



Figur 1 Hastigheder for Lilleø ved afgang fra Aarhus havn.

WAYPOINTTABELLERNE I NAVIGATIONSPROGRAMI

1

Hovedrute ø om Tunø aar-slv

WP0: Dokk1 kaj

LAT:	56° 09.270' N	CRS:	-	XTD PORT:	-
LON:	010° 12.930' E	DIST:	-	XTD STBD:	-
				RAD:	-
				SPD:	-

WP1: Indre havn

LAT:	56° 09.370' N	CRS:	021.3°	XTD PORT:	50 m
LON:	010° 13.000' E	DIST:	199 m	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	8.0 kt

WP2: Indsejling

LAT:	56° 09.690' N	CRS:	055.0°	XTD PORT:	50 m
LON:	010° 13.820' E	DIST:	1036 m	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	10.0 kt

WP3: Aarhus forfyr

LAT:	56° 09.750' N	CRS:	072.0°	XTD PORT:	50 m
LON:	010° 14.150' E	DIST:	359 m	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	16.0 kt

WP4: Aarhus fairway midt

LAT:	56° 09.635' N	CRS:	116.4°	XTD PORT:	50 m
LON:	010° 14.566' E	DIST:	480 m	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	25.0 kt

WP5: Aarhus fairway

LAT:	56° 08.920' N	CRS:	115.4°	XTD PORT:	50 m
LON:	010° 17.260' E	DIST:	1.67 nm	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	25.0 kt

WP6: N for Tunø

LAT:	55° 58.500' N	CRS:	148.0°	XTD PORT:	50 m
LON:	010° 28.900' E	DIST:	12.31 nm	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	25.0 kt

WP7: Sælvig Nord

3

Rute v

WP0: Dokk1 kaj

LAT: 56° 09.270' N

LON: 010° 12.930' E

WP1: Indre havn

LAT: 56° 09.370' N

LON: 010° 13.000' E

WP2: Indsejling

LAT: 56° 09.690' N

LON: 010° 13.820' E

WP3: Aarhus forfyr

LAT: 56° 09.750' N

LON: 010° 14.150' E

WP4: Aarhus fairw

LAT: 56° 09.635' N

LON: 010° 14.566' E

WP5: Aarhus fairw

LAT: 56° 09.270' N

LON: 010° 15.920' E

WP6: Aarhus SØ

LAT: 56° 07.890' N

LON: 010° 16.110' E

WP7: Norsminde N

LAT: 56° 02.450' N

LON: 010° 20.890' E

WP7: Sælvig Nord					
LAT:	55° 52.520' N	CRS:	160.8°	XTD PORT:	50 m
LON:	010° 32.600' E	DIST:	6.34 nm	XTD STBD:	50 m
				RAD:	0.00 nm
				SPD:	25.0 kt
WP8: Sælvig mole					
LAT:	55° 51.950' N	CRS:	161.0°	XTD PORT:	50 m
LON:	010° 32.950' E	DIST:	1118 m	XTD STBD:	50 m
				RAD:	–
				SPD:	10.0 kt

LON:	010° 20.000' E	CD
WP8: Tunø NV		
LAT:	55° 58.240' N	CD
LON:	010° 23.960' E	DI
WP9: Tunø SV		
LAT:	55° 56.950' N	CD
LON:	010° 23.230' E	DI
WP10: Tunø S		
LAT:	55° 55.780' N	CD
LON:	010° 25.890' E	DI
WP11: Sælvig N		
LAT:	55° 52.520' N	CD
LON:	010° 32.600' E	DI
WP12: Sælvig mole		
LAT:	55° 51.950' N	CD
LON:	010° 32.950' E	DI

MET:

om tunø aar-slv					
RS:	—	XTD PORT:	—		
IST:	—	XTD STBD:	—		
		RAD:	—		
		SPD:	—		
RS:	021.3°	XTD PORT:	50 m		
IST:	199 m	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	8.0 kt		
RS:	055.0°	XTD PORT:	50 m		
IST:	1036 m	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	10.0 kt		
RS:	072.0°	XTD PORT:	50 m		
IST:	359 m	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	10.0 kt		
ay midt					
RS:	116.3°	XTD PORT:	50 m		
IST:	480 m	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	16.0 kt		
ay midt1					
RS:	115.8°	XTD PORT:	50 m		
IST:	1557 m	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	16.0 kt		
RS:	175.6°	XTD PORT:	50 m		
IST:	1.39 nm	XTD STBD:	50 m		
		RAD:	0.00 nm		
		SPD:	25.0 kt		
NØ					
RS:	153.8°	XTD PORT:	50 m		
IST:	6.07 nm	XTD STBD:	50 m		
		RAD:	0.00 nm		

0.07 nm		RAD: 0.00 nm	
		SPD: 25.0 kt	
RS:	157.8°	XTD PORT:	50 m
IST:	4.56 nm	XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
RS:	197.6°	XTD PORT:	50 m
IST:	1.36 nm	XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
RS:	128.1°	XTD PORT:	50 m
IST:	1.90 nm	XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
RS:	130.9°	XTD PORT:	50 m
IST:	4.99 nm	XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
e			
RS:	161.0°	XTD PORT:	50 m
IST:	1118 m	XTD STBD:	50 m
		RAD:	-
		SPD:	10.0 kt

Tabel 2 Angivelse af waypoints (WP) lang ruterne fra Samsø samt kurs, hastighed og afstand.

Waypoint	Breddegrad	Længdegrad	Kurs (oN)	Hastighed, Vs (Knob)	Distance (Sm)
Rute 1: Sælvig - Aarhus					
Sælvig mole	55°51.95N	10°32.95E			
Sælvig N	55°52.52N	10°32,60E	341,0	10	0,6
N for Tunø	55°58.50N	10°28.90E	340,8	25	6,3
Aarhus fairway	56°08.92N	10°17.26E	328,0	25	12,3
Aarhus fairway midt1	56°09.60N	10°15.92E	312,2	25	1,0
Aarhus forfyr	56°09.94N	56°14.54N	293,5	25	0,8
Aarhus Ø	56°09.83N	56°14.22N	239,6	16	0,2
Indsejling	56°09.69N	10°13.82E	237,9	10	0,3
Indre havn	56°09.37N	10°13.00E	235,0	8	0,6
DOK1 kaj	56°09.27N	10°12.93E	201,3	8	0,1

Rute 2: Sælvig - Tunø - Aarhus					
Sælvig mole	55°51.95N	10°32.95E			
Sælvig N	55°52.52N	10°32,60E	341,0	10	0,6
Tunø SØ	55°56.95N	10°27.60E	327,6	25	5,3
Tunø mole	55°56.94N	10°27.35E	265,9	10	0,1
Tunø havn ind/ud	-	-	-	-	-
Tunø mole	55°56.94N	10°27.35E			
Tunø Røn	55°57.10N	10°28.20E	071,5	10	0,5
Tunø Knob	55°57.36N	10°28.83E	053,7	10	0,4
Aarhus fairway	56°08.92N	10°17.26E	328,0	25	12,3
Aarhus fairway midt1	56°09.60N	10°15.92E	312,2	25	1,0
Aarhus forfyr	56°09.94N	56°14.54N	293,5	25	0,8
Aarhus Ø	56°09.83N	56°14.22N	239,6	16	0,2
Indsejling	56°09.69N	10°13.82E	237,9	10	0,3
Indre havn	56°09.37N	10°13.00E	235,0	8	0,6
DOK1 kaj	56°09.27N	10°12.93E	201,3	8	0,1

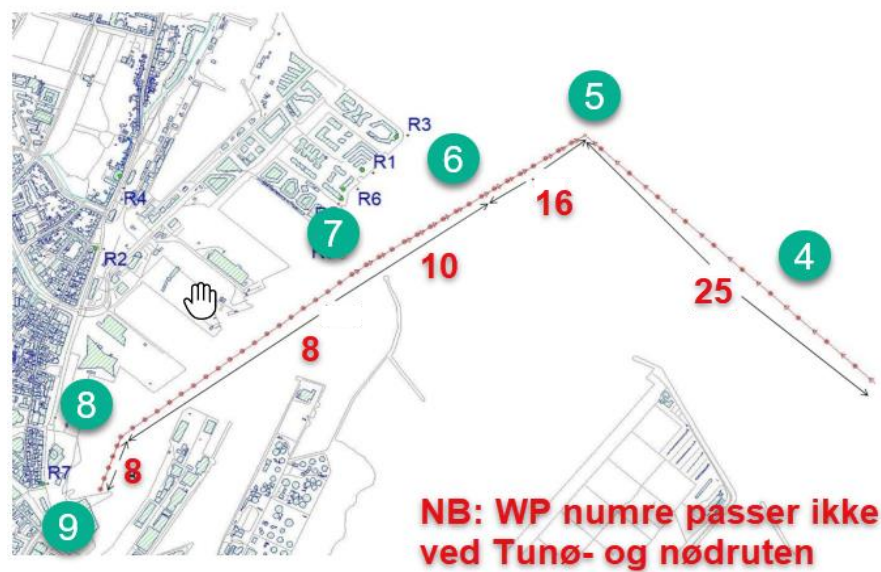
Rute 3: Sælvig - Aarhus (Nødrute - vest om Tunø)					
Sælvig mole	55°51.95N	10°32.95E			
Sælvig N	55°52.52N	10°32,60E	341,0	10	0,6
Tunø S	55°55.78N	10°25.89E	310,9	25	5,0
Tunø SV	55°56.95N	10°23.23E	308,1	25	1,9
Tunø NV	55°58.24N	10°23.96E	377,6	25/18 *	1,4
Norsminde NØ	56°02.45N	10°20.89E	337,8	25	4,6
Aarhus SØ	56°07.89N	10°16.11E	333,8	25	6,1
Aarhus fairway midt1	56°09.60N	10°15.92E	355,6	25	1,7
Aarhus forfyr	56°09.94N	56°14.54N	293,5	25	0,8
Aarhus Ø	56°09.83N	56°14.22N	239,6	16	0,2
Indsejling	56°09.69N	10°13.82E	237,9	10	0,3
Indre havn	56°09.37N	10°13.00E	235,0	8	0,5
DOK1 kaj	56°09.27N	10°12.93E	201,3	8	0,1

* ved aften/nat-sejlad er farten 18 knob

WP nr.
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Figur 2 Hastigheder for Lilleøre ved ankomst til Aarhus havn.

WAYPOINTTABELLERNE I NAVIGATIONSPROGRAMI

1	Hovedrute ø om tunø slv-aar
WP0: Sælvig mole	
LAT: 55° 51.950' N	CRS: - XTD PORT: -
LON: 010° 32.950' E	DIST: - XTD STBD: -
	RAD: - SPD: -
WP1: Sælvig Nord	
LAT: 55° 52.520' N	CRS: 341.0° XTD PORT: 50 m
LON: 010° 32.600' E	DIST: 1118 m XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP2: N for Tunø	
LAT: 55° 58.500' N	CRS: 340.8° XTD PORT: 50 m
LON: 010° 28.900' E	DIST: 6.34 nm XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP3: Aarhus fairway	
LAT: 56° 08.920' N	CRS: 328.0° XTD PORT: 50 m
LON: 010° 17.260' E	DIST: 12.31 nm XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP4: Aarhus fairway midt1	
LAT: 56° 09.599' N	CRS: 312.2° XTD PORT: 50 m
LON: 010° 15.920' E	DIST: 1.01 nm XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP5: Aarhus forfyr	
LAT: 56° 09.935' N	CRS: 293.5° XTD PORT: 50 m
LON: 010° 14.540' E	DIST: 1559 m XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP6: Aarhus Ø	
LAT: 56° 09.830' N	CRS: 239.6° XTD PORT: 50 m
LON: 010° 14.220' E	DIST: 383 m XTD STBD: 50 m
	RAD: 0.00 nm SPD: 25.0 kt
WP7: indsejling	
LAT: 56° 09.690' N	CRS: 237.9° XTD PORT: 50 m
	XTD STBD: 50 m

3	rute v om
WP0: Sælvig mole	
LAT: 55° 51.950' N	CRS: -
LON: 010° 32.950' E	DIST: -
WP1: Sælvig Nord	
LAT: 55° 52.520' N	CRS: -
LON: 010° 32.600' E	DIST: -
WP2: Tunø S	
LAT: 55° 55.780' N	CRS: -
LON: 010° 25.890' E	DIST: -
WP3: Tunø SV	
LAT: 55° 56.950' N	CRS: -
LON: 010° 23.230' E	DIST: -
WP4: Tunø NV	
LAT: 55° 58.240' N	CRS: -
LON: 010° 23.960' E	DIST: -
WP5: Norsminde NØ	
LAT: 56° 02.450' N	CRS: -
LON: 010° 20.890' E	DIST: -
WP6: Aarhus SØ	
LAT: 56° 07.890' N	CRS: -
LON: 010° 16.110' E	DIST: -
WP7: Aarhus fairway r	
LAT: 56° 09.599' N	CRS: -
LON: 010° 15.920' E	DIST: -

LON:	010° 13.820' E	DIST:	488 m	XTD STBD:	50 m	RAD:	0.00 nm	SPD:	10.0 kt
WP8: Indre havn									
LAT:	56° 09.370' N	CRS:	235.0°	XTD PORT:	50 m	XTD STBD:	50 m	RAD:	0.00 nm
LON:	010° 13.000' E	DIST:	1036 m	SPD:	10.0 kt				
WP9: Dokk1									
LAT:	56° 09.270' N	CRS:	201.3°	XTD PORT:	50 m	XTD STBD:	50 m	RAD:	–
LON:	010° 12.930' E	DIST:	199 m	SPD:	8.0 kt				

WP8: Aarhus forfyr	
LAT:	56° 09.935' N
LON:	010° 14.540' E
CRS:	DIST:
WP9: Aarhus Ø	
LAT:	56° 09.830' N
LON:	010° 14.220' E
CRS:	DIST:
WP10: Indsejling	
LAT:	56° 09.690' N
LON:	010° 13.820' E
CRS:	DIST:
WP11: Indre havn	
LAT:	56° 09.370' N
LON:	010° 13.000' E
CRS:	DIST:
WP12: Dokk1 kaj	
LAT:	56° 09.270' N
LON:	010° 12.930' E
CRS:	DIST:

MET:

Tunø slv-aar			
	-	XTD PORT:	-
	-	XTD STBD:	-
		RAD:	-
		SPD:	-
341.0° 1118 m		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
310.9° 4.99 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
308.1° 1.90 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
017.6° 1.36 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
337.8° 4.56 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
333.8° 6.07 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm
		SPD:	25.0 kt
midt1			
356.4° 1.72 nm		XTD PORT:	50 m
		XTD STBD:	50 m
		RAD:	0.00 nm

	SPD:	25.0 kt
293.6° 1559 m	XTD PORT: XTD STBD: RAD: SPD:	50 m 50 m 0.00 nm 25.0 kt
239.5° 384 m	XTD PORT: XTD STBD: RAD: SPD:	50 m 50 m 0.00 nm 25.0 kt
237.9° 488 m	XTD PORT: XTD STBD: RAD: SPD:	50 m 50 m 0.00 nm 10.0 kt
235.0° 1036 m	XTD PORT: XTD STBD: RAD: SPD:	50 m 50 m 0.00 nm 10.0 kt
201.3° 199 m	XTD PORT: XTD STBD: RAD: SPD:	50 m 50 m – 8.0 kt

RUTE 1 - SÆLVIG - AARHUS

ØST OM TUNØ

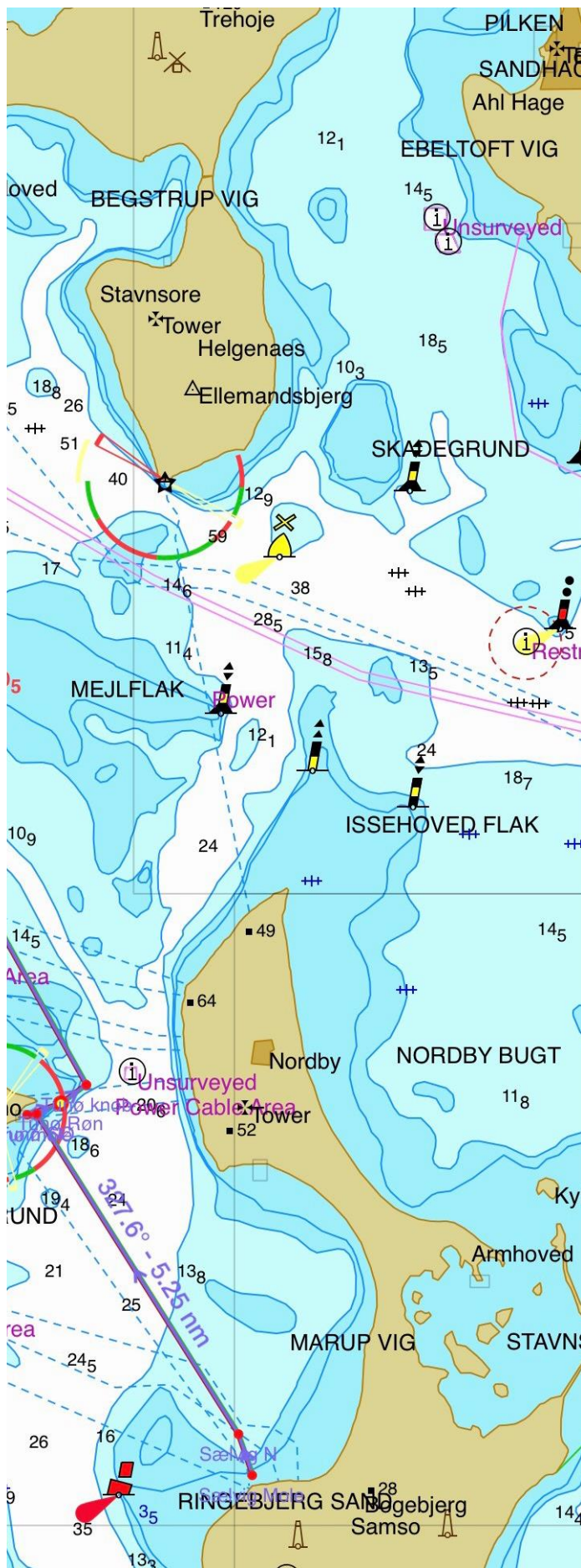


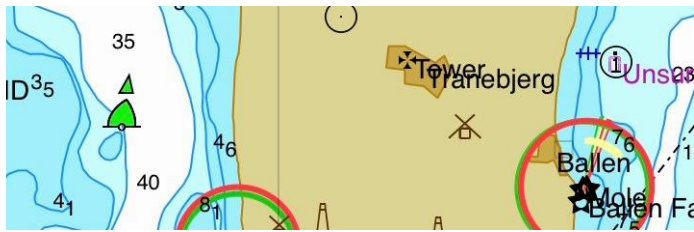




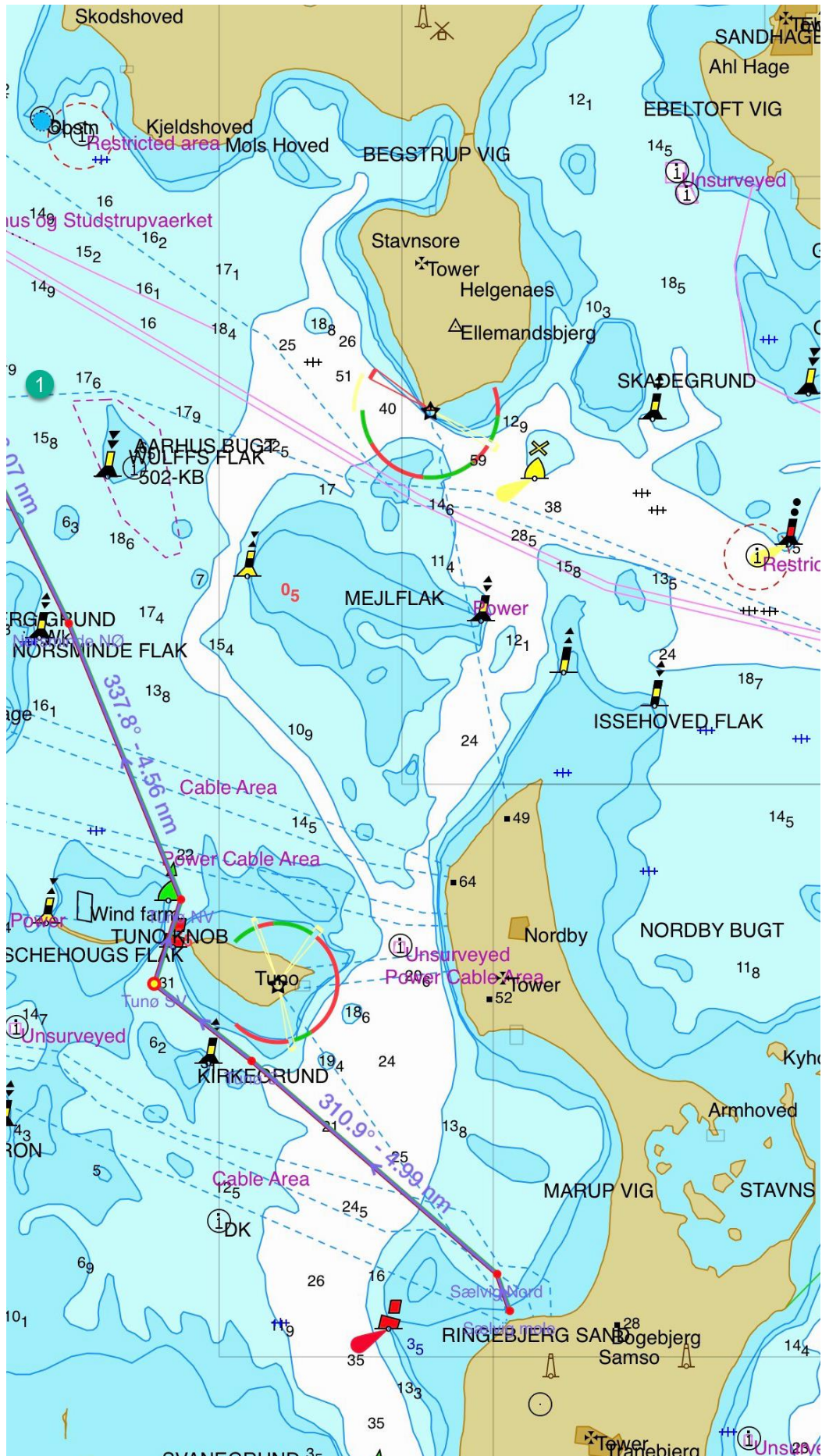


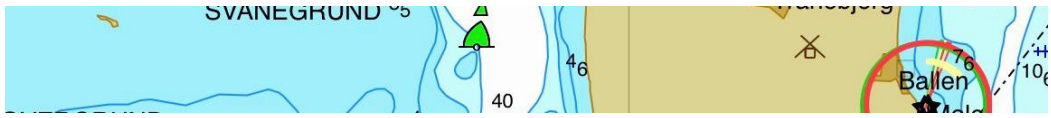
RUTE 3 - SÆLVIG - AARHUS



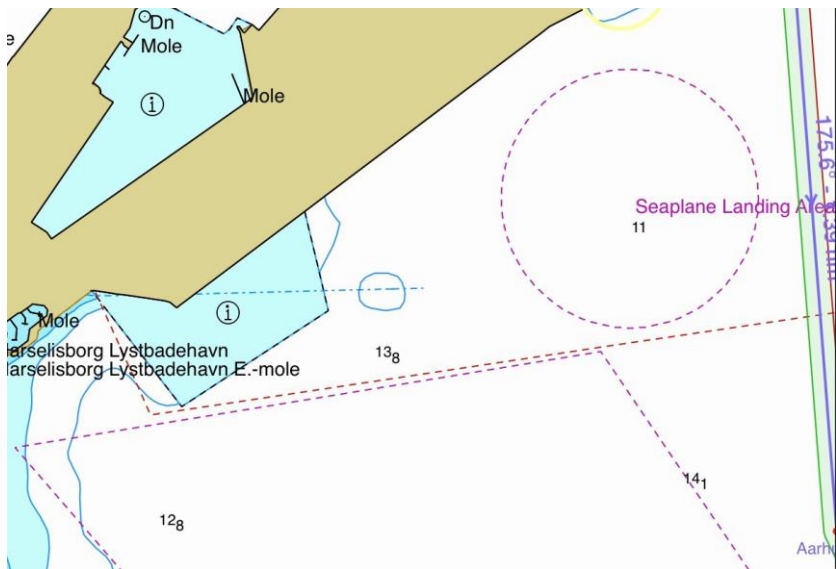


NØDRUTE / VEST OM TUNØ

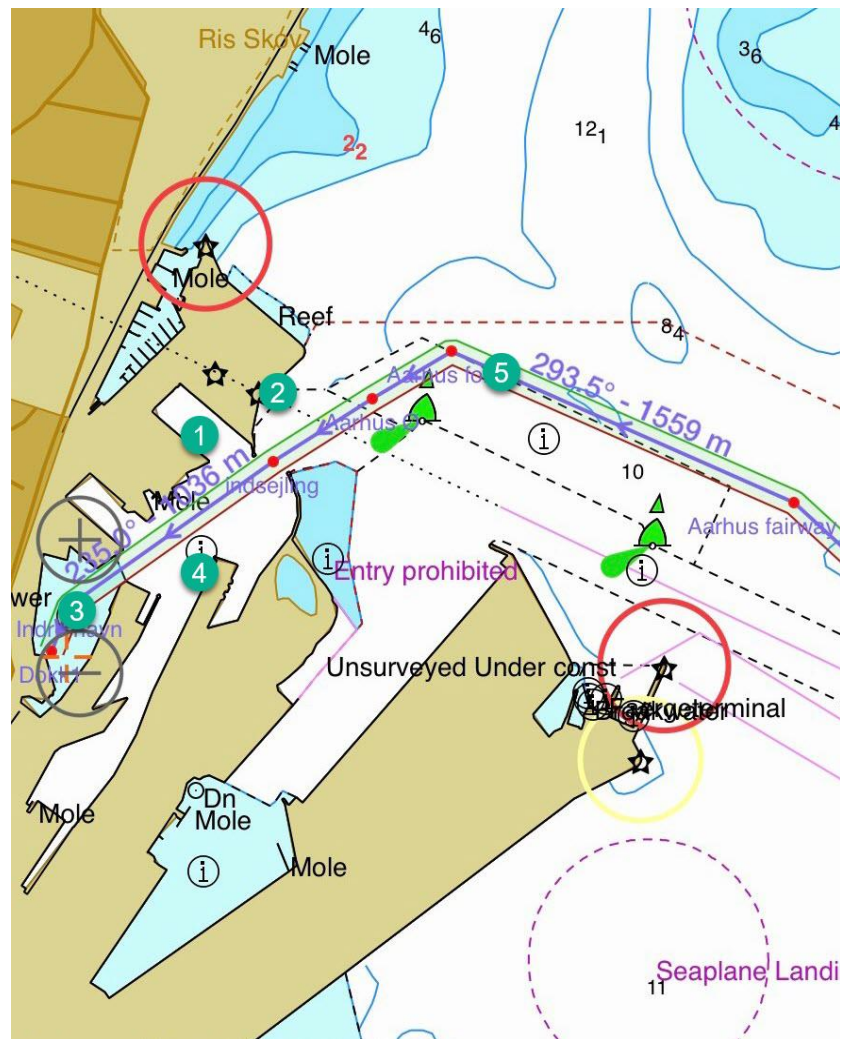
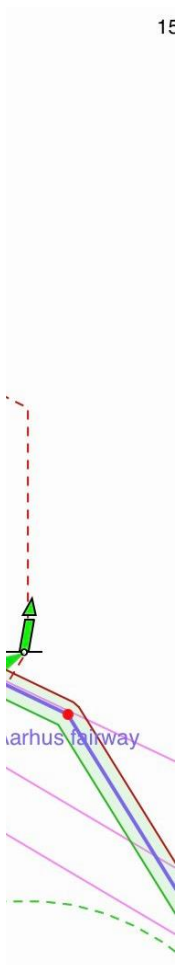




The map shows the Aarhus fairway area with the proposed Aarhus fairway midline (red line) and the Aarhus fairway midline (green line). The map includes various navigational markers such as buoys, lights, and depth soundings. Key features include the Aarhus fairway midline, the Aarhus fairway midline, and the Aarhus fairway midline. The map also shows the Aarhus fairway midline and the Aarhus fairway midline.



RUTE 1 + 2. INDGÅENDE AARHUS



RUTE 3. INDGÅENDE AARHUS

