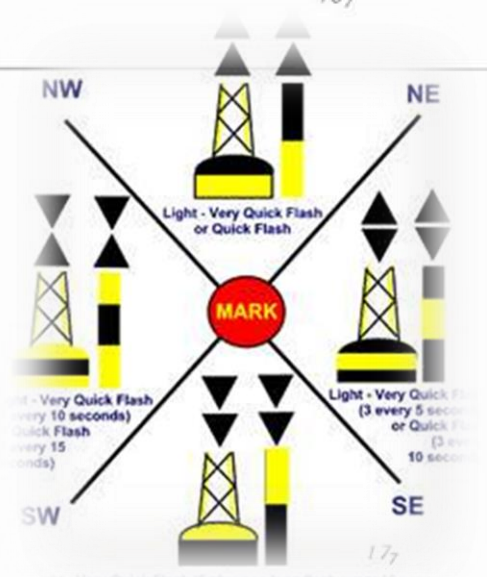


Nav Rally Course Instructions

BMYS Training 2025



What Information do you have?



COURSE INSTRUCTIONS

THE BEAUMARIS MOTOR YACHT SQUADRON

THE COMMODORE, BOATING COMMITTEE & MEMBERS
Present

THE COMMODORES NAV RALLY

On Sunday 23rd February 2020

Members of all clubs are invited to attend this event to be held at the Beaumaris Motor Yacht Squadron

Followed by lunch starting at 12:30 pm
Free to all Skippers & Navigators ---\$10 per head others

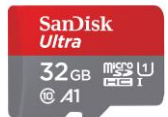
ENTER NOW FOR THIS GREAT EVENT

Entries close on Sunday 16th February 2020

All participating entrants will have the opportunity to win great prizes



LEG	DEGREES (TRUE)	DISTANCE (Nm)	TOTAL DISTANCE (Nm)	LATITUDE	LONGITUDE
Start				37 59.550 S	145 02.750 E
1	55	0.31	0.31	37 59.372 S	145 03.072 E
2	142	0.32	0.63	37 59.624 S	145 03.322 E
3	180	0.41	1.04	38 00.034 S	145 03.322 E
4	168	0.77	1.81	38 00.787 S	145 03.525 E



GPX File



Chart: AUS143 WGS84
Official Time: GPS Satellite Time
Time Is: <https://time.is/>
Start Time: 0900 Hours

- **Course Document has all key info**
- **Chart – AUS 143**
- **Timing - 1194**
- **Datum / Start**
- **Legs / Degrees**
- **Coordinates**
- **Running Sheet Course Timing**

Latitude Fast Facts

- **1 NM = 1852 M**
- **1 degree Lat = 60NM**
- **1 minute Lat = 1 NM**
- **0.1 minute = 185.2M**
- **0.001 minute = 1.852M**
- **0.0001 minute = 0.1852M**

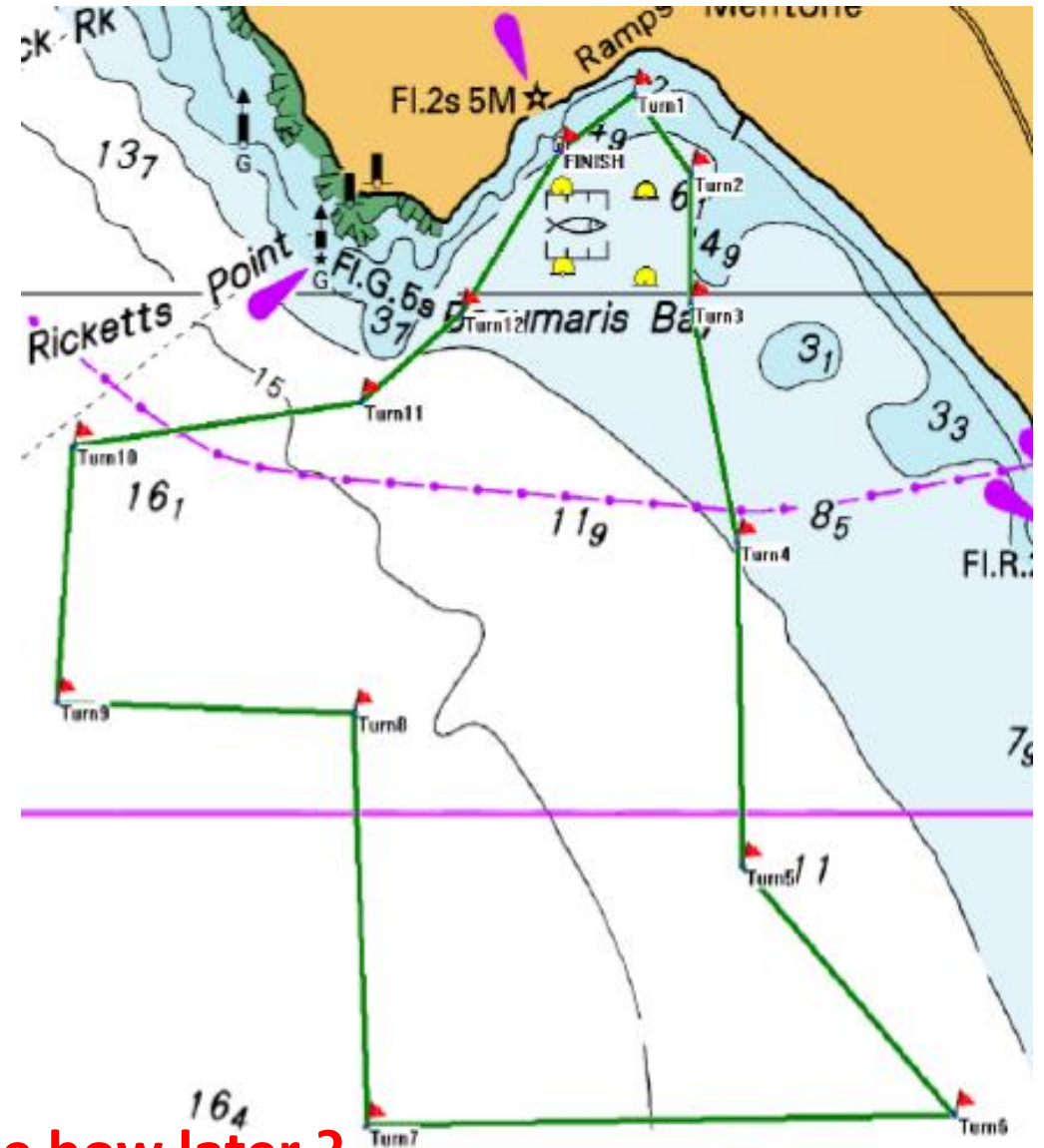
Datum Point: 1.0 Cable 145 degrees True from seaward end of BMYS Jetty
(37 59.550 S 145 02.750 E WGS84)

Start / Finish Line: Line 145 degrees True through flagpole on end of BMYS jetty to three red lights on clubhouse roof

Plotting the Course – Legs and Turns

COURSE INSTRUCTIONS

LEG	DEGREES (TRUE)	DISTANCE (Nm)	TOTAL DISTANCE (Nm)	LATITUDE	LONGITUDE
Start				37 59.550 S	145 02.750 E
1	55	0.31	0.31	37 59.372 S	145 03.072 E
2	142	0.32	0.63	37 59.624 S	145 03.322 E
3	180	0.41	1.04	38 00.034 S	145 03.322 E
4	168	0.77	1.81	38 00.787 S	145 03.525 E
5	179	1.02	2.83	38 01.806 S	145 03.547 E
6	137	1.07	3.90	38 02.588 S	145 04.473 E
7	269	2.02	5.92	38 02.623 S	145 01.910 E
8	358	1.3	7.22	38 01.325 S	145 01.853 E
9	272	1.02	8.24	38 01.289 S	145 00.560 E
10	4	0.81	9.05	38 00.482 S	145 00.632 E
11	82	1.0	10.05	38 00.343 S	145 01.887 E
12	51	0.44	10.49	38 00.066 S	145 02.321 E
Finish	33	0.62	11.11	37 59.550 S	145 02.750 E



Course Instructions becomes Navigation Route – See how later ?

Recap : Course -> Waypoints / Route -> NavRally -> Runsheet

COURSE INSTRUCTIONS

LEG	DEGREES (TRUE)	DISTANCE (Nm)	TOTAL DISTANCE (Nm)	LATITUDE	LONGITUDE
Start				37 59.550 S	145 02.750 E
1	55	0.31	0.31	37 59.372 S	145 03.072 E
2	142	0.32	0.63	37 59.624 S	145 03.322 E
3	180	0.41	1.04	38 00.034 S	145 03.322 E
4	168	0.77	1.81	38 00.787 S	145 03.525 E
5	179	1.02	2.83	38 01.806 S	145 03.547 E
6	137	1.07	3.90	38 02.588 S	145 04.473 E
7	269	2.02	5.92	38 02.623 S	145 01.910 E
8	358	1.3	7.22	38 01.325 S	145 01.853 E
9	272	1.02	8.24	38 01.289 S	145 00.560 E
10	4	0.81	9.05	38 00.482 S	145 00.632 E
11	82	1.0	10.05	38 00.343 S	145 01.887 E
12	51	0.44	10.49	38 00.066 S	145 02.321 E
Finish	33	0.62	11.11	37 59.550 S	145 02.750 E



New Route ✕

Commodores 20

ON Display

Leg	Waypoint	Distance (NM)	Bearing (°T)
8	C8	1.30	358
9	C9	1.02	272
10	C10	0.81	4
11	C11	1.00	82
12	C12	0.44	51
13	Finish	0.62	33

Remove
Insert...
Save
Cancel



SKIPPER NAME: Roger Hartley		SPEED: 10 KN		BOAT NAME		
NAVIGATOR NAME : Brendan O'Donoghue				TACK-TRACK		
POSITION	DIST	SPEED	TIME	TOTAL DIST	TOTAL TIME	ETA
START HEAD 220 TRUE	0.000	10	0:00:00	0.000	0:00:00	9:30:00
	0.000					
TURN TO 190 TRUE	0.900	10	0:05:24	0.900	0:05:24	9:35:24
Intermediate Position 1A	0.450	10	0:02:42	1.350	0:08:06	9:38:06
Intermediate Position 1B	0.480	10	0:02:53	1.830	0:10:59	9:40:59
Intermediate Position 1C	0.670	10	0:04:01	2.500	0:15:00	9:45:00
	0.000					
TURN TO 138 TRUE	2.220	10	0:13:19	3.120	0:18:43	9:48:43
	0.000					
TURN TO 48 TRUE	0.790	10	0:04:44	3.910	0:23:28	9:53:28

- Navigation Route for the Nav Rally Course.
- Route is a series of connected waypoints.
- Create waypoints for Start, Turns and Finish
- Add series of waypoints to route
- View route on Chart
- Navigate the route for Nav Rally Course
- Use Run Sheet for Position and Time

Running Sheet – Combines Position / Time

SKIPPER NAME: Roger Hartley		SPEED: 10 KN				BOAT NAME: Black Pearl					
NAVIGATOR NAME : Brendan O'Donoghue						TACK-TRACKER No: BMYS 1		RACE No: 9			
POSITION	DIST	SPEED	TIME	TOTAL DIST	TOTAL TIME	ETA	LAT.	LONG.	TURNNo.		
START HEAD 220 TRUE	0.000	10	0:00:00	0.000	0:00:00	9:30:00	37:59:550	S 145:02:750	E	START	
	0.000										
TURN TO 190 TRUE	0.900	10	0:05:24	0.900	0:05:24	9:35:24	38:00:239	S 145:02:017	E	1	
Intermediate Position 1A	0.450	10	0:02:42	1.350	0:08:06	9:38:06	38:00:685	S 145:01:912	E		
Intermediate Position 1B	0.480	10	0:02:53	1.830	0:10:59	9:40:59	38:01:160	S 145:01:805	E		
Intermediate Position 1C	0.670	10	0:04:01	2.500	0:15:00	9:45:00	38:01:825	S 145:01:659	E		
	0.000										
TURN TO 138 TRUE	2.220	10	0:13:19	3.120	0:18:43	9:48:43	38:02:423	S 145:01:528	E	2	
	0.000										
TURN TO 48 TRUE	0.790	10	0:04:44	3.910	0:23:28	9:53:28	38:03:010	S 145:02:198	E	3	
	0.000										
TURN TO 133 TRUE	1.000	10	0:06:00	4.910	0:29:28	9:59:28	38:02:342	S 145:03:141	E	4	
	0.000										
TURN TO 68 TRUE	0.750	10	0:04:30	5.660	0:33:58	10:03:58	38:02:853	S 145:03:837	E	5	
	0.000										
TURN TO 314 TRUE	0.910	10	0:05:28	6.570	0:39:25	10:09:25	38:02:512	S 145:04:908	E	6	
	0.000										
TURN TO 358 TRUE	1.090	10	0:06:32	7.660	0:45:58	10:15:58	38:01:755	S 145:03:913	E	7	
	0.000										
TURN TO 18 TRUE	0.770	10	0:04:37	8.430	0:50:35	10:20:35	38:00:987	S 145:03:879	E	8	
	0.000										
TURN TO 28 TRUE	0.500	10	0:03:00	8.930	0:53:35	10:23:35	38:00:511	S 145:04:075	E	9	
	0.000										
TURN TO 309 TRUE	0.400	10	0:02:24	9.330	0:55:59	10:25:59	38:00:158	S 145:04:313	E	10	
Intermediate Position 10A	0.350	10	0:02:06	9.680	0:58:05	10:28:05	37:59:945	S 145:03:968	E		
Intermediate Position 10B	0.520	10	0:03:07	10.200	1:01:12	10:31:12	37:59:610	S 145:03:461	E		
	0.000										
TURN TO 236 TRUE	1.250	10	0:07:30	10.580	1:03:29	10:33:29	37:59:372	S 145:03:081	E	11	
	0.000										
FINISH	0.316	10	0:01:54	10.896	1:05:23	10:35:23	37:59:550	S 145:02:750	E	END	

- Up to now emphasis on position.
- Be at known position at target time.
- Run sheet combines position and time
- Combination of position and time needed
- When running course need to be at each point at target time
- Keep it simple !

Enter NavRally – How?

- Assemble crew – Skipper and Navigator
- Email entry to Brendan – week before
- You will receive Running Sheet, event details, start time
- Prepare navigation / GPS – Keep it simple
- Plenty of Help Available with Course
- Setup Boat – Clock, GPS, Coffee
- More details from Event Manager - Brendan

MAIL, or Email TO:
Postal Address:
Beaumaris Motor Yacht Squadron
Po Box 45, Black Rock 3193
Email: bodco@bigpond.com
BMYS: bmys@bigpond.com

OR:
Enter Online:
Beaumaris Motor Yacht Squadron
<https://www.bmys.com.au/nav-rally-entry-form/>

Entries must be received by Sunday 16th February 2020

Boat Name: Race No. Reg No.

Club: Radio: VHF 27 MHZ

Use of electronic navigational aids in this Nav. Rally Yes No

HULL TYPE: Planing or Displacement

BOAT LENGTH: (Meters) BOAT COLOUR:

DESCRIPTION OF BOAT

MOTOR:

SPEED: 5 6 7.5 10 12 Other (Please Tick one)

SKIPPER: Phone No. Mobile No.

E-mail address Fax No.

Nav Rally Questions

