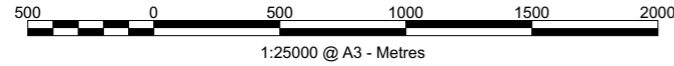


SHIP'S PASSAGE PLANNING

**LOWER PALMERS REACH TO UPPER PORT LIMIT
(Including Palmers Is Wharf, Harwood Slipway, Sugar Mill Wharves)**

This chartlet is for planning purposes only and is not to be used for navigation.



☆ Navigation Light - - - - Navigation Line ● Waypoint ⚓ Anchorage

Indicative Waypoint Table for planning purposes only. To be used in conjunction with Australian Hydrographic Office charts or publications. Position datum WGS 84.

Waypoint	Latitude	Longitude
WP 1	29° 25.1267' S	153° 23.3200' E
WP 2	29° 25.6267' S	153° 22.4150' E
WP 3	29° 25.5933' S	153° 22.1500' E
WP 4	29° 25.6217' S	153° 21.8500' E
WP 5	29° 25.5450' S	153° 21.2817' E
WP 6	29° 25.3500' S	153° 21.0000' E
WP 7	29° 24.6583' S	153° 20.6017' E
WP 8	29° 24.0267' S	153° 20.5767' E
WP 9	29° 23.5133' S	153° 20.1767' E
WP 10	29° 23.0000' S	153° 18.2300' E
WP 11	29° 22.7664' S	153° 17.3008' E
WP 12	29° 23.1648' S	153° 16.9501' E
WP 13	29° 24.7000' S	153° 16.9200' E
WP 14	29° 25.1500' S	153° 16.8000' E
WP 15	29° 25.5400' S	153° 16.3500' E
WP 16	29° 25.5375' S	153° 16.0000' E
WP 17	29° 25.5350' S	153° 15.2966' E
WP 18	29° 25.8117' S	153° 14.5765' E
WP 19	29° 25.8017' S	153° 14.3400' E
Anchorage	Latitude	Longitude
IL	29° 24.66' S	153° 20.63' E
GI - E	29° 23.16' S	153° 18.89' E
GI - W	29° 23.11' S	153° 18.67' E
PI	29° 25.42' S	153° 16.53' E

Waypoint 10 – vicinity of Goodwood Island Wharf
Waypoint 16 – vicinity of Harwood Slipway Wharf

PASSAGE MONITORING

Courses – Masters are to be aware of the courses to be steered and made good, and the helm/engine orders will vary due to a number of factors including but not limited to:

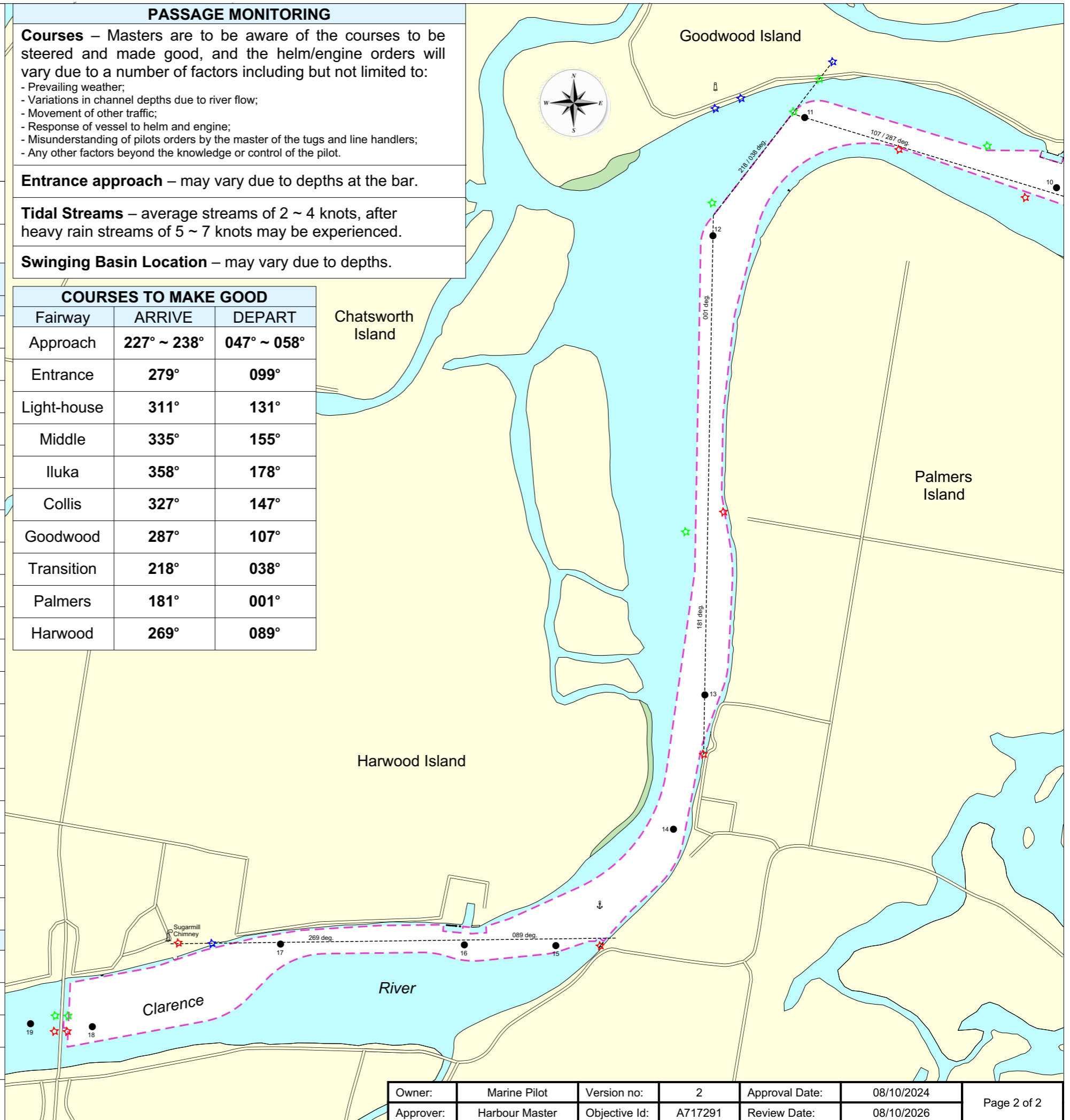
- Prevailing weather;
- Variations in channel depths due to river flow;
- Movement of other traffic;
- Response of vessel to helm and engine;
- Misunderstanding of pilots orders by the master of the tugs and line handlers;
- Any other factors beyond the knowledge or control of the pilot.

Entrance approach – may vary due to depths at the bar.

Tidal Streams – average streams of 2 ~ 4 knots, after heavy rain streams of 5 ~ 7 knots may be experienced.

Swinging Basin Location – may vary due to depths.

COURSES TO MAKE GOOD		
Fairway	ARRIVE	DEPART
Approach	227° ~ 238°	047° ~ 058°
Entrance	279°	099°
Light-house	311°	131°
Middle	335°	155°
Iluka	358°	178°
Collis	327°	147°
Goodwood	287°	107°
Transition	218°	038°
Palmers	181°	001°
Harwood	269°	089°



Owner:	Marine Pilot	Version no:	2	Approval Date:	08/10/2024	Page 2 of 2
Approver:	Harbour Master	Objective Id:	A717291	Review Date:	08/10/2026	