

Shepherd reef with only 5 feet water over it is a dangerous obstruction lying N.E. $\frac{1}{4}$ E. distant $1\frac{1}{2}$ miles from the north point of Sulphur island; within the depth of 3 fathoms the shoal is 400 yards in diameter, the whole of which may be cleared by attention to the following ranges:—

To pass southward of Shepherd reef keep Chippewa point of Drummond island in line or closed with the north-west point of Sulphur island bearing S.W. by W. $\frac{1}{2}$ W. The whole of Maggs island open north-west of Sulphur island S.W. $\frac{1}{2}$ S. leads north-west. The south point of Cedar island in line with the south-west extreme of Thessalon island N.W. $\frac{3}{4}$ W. leads 300 yards north east, and the same part of Thessalon island touching the north point of Cedar island N.W. $\frac{1}{4}$ N. leads the same distance south-west of the shoal.

In thick weather when in the vicinity of the reef, a vessel will be clear of it on the east and south sides by not shoaling to less than 12 fathoms. If approaching the reef from the westward a ship will be in close proximity to it with a less depth than 9 fathoms.

Gull island, small, round, partially wooded and 23 feet high, lies over three-quarters of a mile N.N.W. $\frac{1}{2}$ W. from the north point of Sulphur island and its eastern side is steep-to.

Sam Smith rock with 11 feet over it lies West rather more than half a mile from Gull island.

A rock with 12 feet over it lies S.W. by S. nearly a quarter of a mile from the west side of the same, and to pass south-west of both these shoals keep the light-house point of Sulphur island open south of Maggs island S.E. $\frac{1}{4}$ S. The north side of Gull island may be approached to 200 yards. By keeping mid-distance between Sulphur and Gull islands a vessel will find a depth of 8 fathoms.

In thick weather a vessel will keep southward of Sulphur and Gull island shoals by not standing into less than 10 fathoms.

Thessalon island is situated 3 miles south-westward of the mainland point of that name already described. It is thickly wooded, over a mile in maximum length and is fringed by shoal water on all sides. On its north-east side isolated rocks with a depth of 12 to 13 feet over them prevent a nearer approach than a third of a mile, while from its northern coast shallow water extends 300 yards. Its western shore including the detached island may be approached to 200 yards.

Kangaroo rock consisting of a few blocks of stone, 7 feet high, lies a third of a mile southward from the south-west point of Thessalon island. Its west and south sides are fairly steep-to being approachable to 200 yards. A reef extends 300 yards from its eastern side and a detached rock with 4 feet over it lies 200 yards north-eastward from it, while from this detached rock a bank with 12 feet on it runs to the south-west point