Courants en Bretagne nord

Les courants en Bretagne nord et en Manche (en Anglais)

Général (avec fichiers pour OpenCPN)	http://montymariner.co.uk/tide-stream-charts/
La Manche	http://montymariner.co.uk/tide-stream-charts/733-2/
Bretagne Nord (Raz de Sein)	http://montymariner.co.uk/tide-stream-charts/north-britanny/

INSTRUCTIONS

The arrows show the approximate directions, and the figures above or below them the approximate rates of the Tidal Streams at Mean Spring Tides. At Mean Neaps half these rates can be taken, and at Mean Tides the two rates added together and divided by two. Thus if the Mean Spring rate is shown as 4 knots, the Mean Neap rate can be taken as 2 knots, and the rate for Mean Tides as 3 knots.

This method of calculating the Mean Neap and Mean Tide rates is not fully accurate, but gives a sufficiently good approximation in practice; for wind and weather influence the rate, duration and, to a lesser extent, the direction of flow.

Thus strong Westerly winds will increase the average rate and duration of the Easterly flow, and strong easterly winds will have the same effect on the westerly flow. Afterwards, however, the reverse conditions may occur until sea level has again become normal.

If a rather closer approximation is required, the rates of the Tidal Streams can be found by multiplying the relevant figures by the appropriate Tidal Coefficient divided by 100, and a conversion table is included to eliminate this calculation. The Coefficients for each tide can be found in either the Annuaire Des Marées, or the Almanach Du Marin Breton.

Dover time references are also given, but must be looked upon as being less accurate than those on Cherbourg.

		SPEED TIDAL STREAM MARKED IN ARROWS												
		0·5	1·0	1·5	2·0	2·5	3·0	3·5	4·0	4·5	5·0	5·5	6·0	6·5	7·0
TIDAL COEFFICIENTS	30	0·2	0·3	0·5	0·6	0·8	0·9	1·1	1·2	1·4	1·5	1·7	1·8	2·0	2·1
	40	0·2	0·4	0·6	0·8	1·0	1·2	1·4	1·6	1·8	2·0	2·2	2·4	2·6	2·8
	50	0·3	0·5	0·8	1·0	1·3	1·5	1·8	2·0	2·3	2·5	2·8	3·0	3·3	3·5
	60	0·3	0·6	0·9	1·2	1·5	1·8	2·1	2·4	2·7	3·0	3·3	3·6	3·9	4·2
	70	0·4	0·7	1·1	1·4	1·8	2·1	2·5	2·8	3·2	3·5	3·9	4·2	4·6	4·9
	80	0·4	0·8	1·2	1·6	2·0	2·4	2·8	3·2	3·6	4·0	4·4	4·8	5·2	5·6
	90	0·5	0·9	1·4	1·8	2·3	2·7	3·2	3·6	4·1	4·5	5·0	5·4	5·9	6·3
	100	0·5	1·0	1·5	2·0	2·5	3·0	3·5	4·0	4·5	5·0	5·5	6·0	6·5	7·0
	110	0·6	1·1	1·7	2·2	2·8	3·3	3·9	4·4	5·0	5·5	6·1	6·6	7·2	7·7
	120	0·6	1·2	1·8	2·4	3·0	3·6	4·2	4·8	5·4	6·0	6·6	7·2	7·8	8·4

SPEED FOR VARIOUS TIDAL STREAM COEFFICIENTS