FRANCE - WEST COAST

ENTRANCE TO LA LOIRE AND APPROACHES TO St NAZAIRE

FROM THE FRENCH GOVERNMENT CHART OF 1898.

With corrections to 1954

8t Nazaire Mole 12 — Lat. 47° 16' 17" N. Long. 2° 11' 50" W.

Bearings refer to the True Compass and are given from Seaward (thus:— 126° etc.)

Underlined Figures on the drying banks and rocks express the Heights in Feet above the datum to which the soundings are reduced.

All other Heights are expressed in Feet above High Water Springs.

For Abbreviations see Admiralty Chart 5011.

Natural Scale $\frac{1}{25000}$

Projection — Gnomonic

SOUNDINGS IN FATHOMS

BRITISH UNITS — METRES

FATHOMS	1	2	3	4	5	6	7	8	9	10
FEET	6	12	18	24	30	36	42	48	54	60
Metres	1.8	3.6	5.5	7.3	9.1	10.9	12.8	14.6	16.4	18.2
1	2.1	3.9	5.8	7.6	9.4	11.3	13.1	14.9	16.7	18.4
2	2.4	4.2	6.1	7.9	9.7	11.6	13.4	15.2	17.0	18.9
3	2.7	4.5	6.4	8.2	10.0	11.9	13.7	15.5	17.3	19.2
4	3.0	4.9	6.7	8.5	10.3	12.2	14.0	15.8	17.7	19.5
5	3.3	5.2	7.0	8.8	10.6	12.5	14.3	16.1	18.0	19.8

Tidal Streams referred to H.W. at BREST

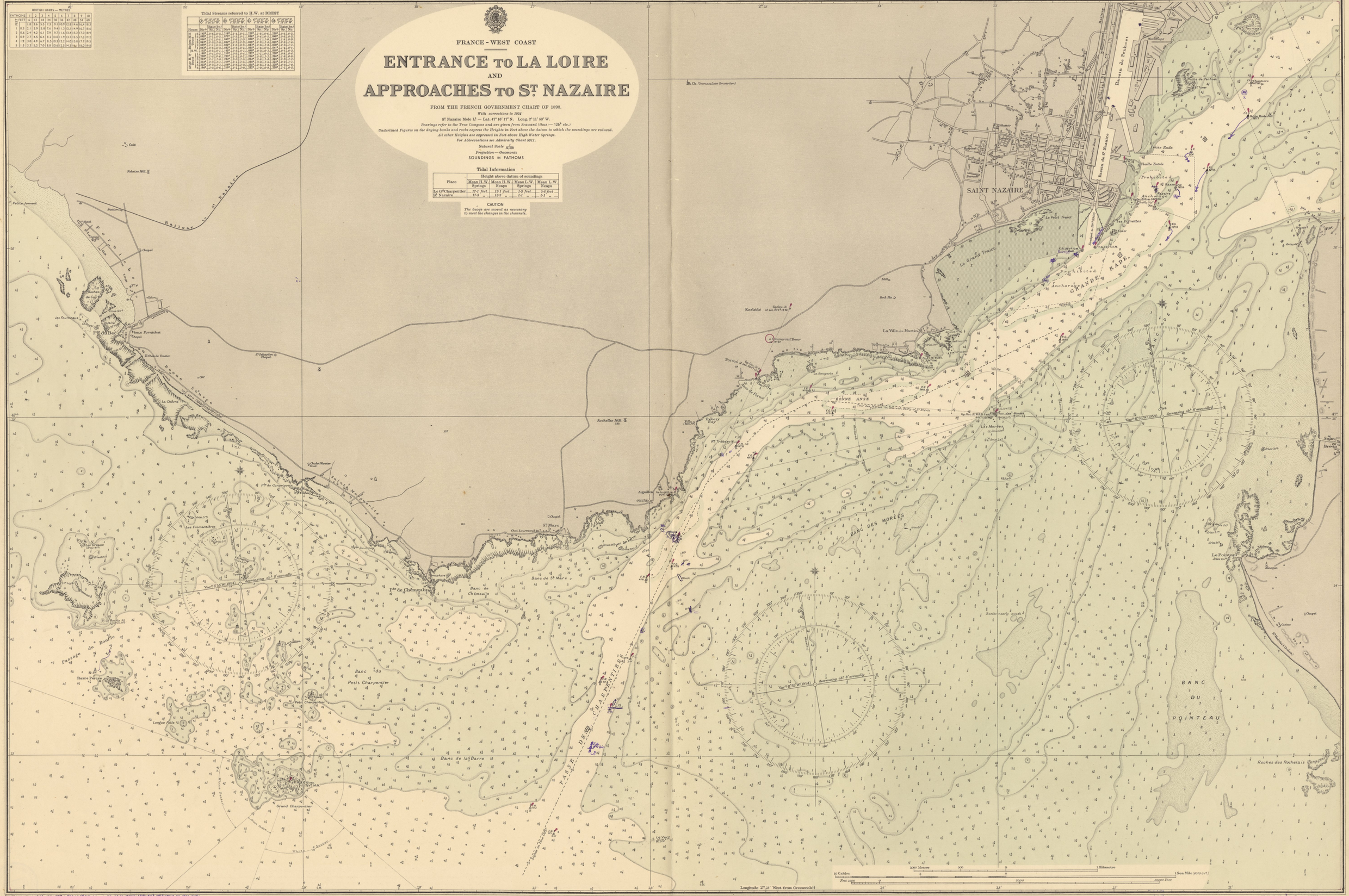
Hours	47° 13' 10" N. 2° 22' 30" W. Diurn	Rate (kns) Sp.	Rate (kns) Np.	47° 16' 10" N. 2° 22' 30" W. Diurn	Rate (kns) Sp.	Rate (kns) Np.	47° 16' 10" N. 2° 11' 50" W. Diurn	Rate (kns) Sp.	Rate (kns) Np.	47° 18' 30" N. 2° 11' 50" W. Diurn	Rate (kns) Sp.	Rate (kns) Np.
Mins. before H.W.	145°	2·6	0·5	318°	1·4	0·7	328°	1·6	0·6	338°	1·6	0·5
6	206°	2·7	0·6	264°	2·0	0·9	318°	1·7	0·7	348°	1·7	0·6
5	236°	2·7	0·6	252°	2·4	1·1	264°	2·1	0·9	318°	1·8	0·8
4	252°	2·7	0·6	242°	2·6	1·2	252°	2·4	1·1	288°	2·1	0·9
3	262°	2·7	0·6	232°	2·6	1·2	242°	2·6	1·2	264°	2·4	1·1
2	272°	2·7	0·6	222°	2·6	1·2	232°	2·6	1·2	252°	2·6	1·2
1	286°	2·7	0·6	212°	2·6	1·2	222°	2·6	1·2	242°	2·6	1·2
Mins. after H.W.	228°	2·7	0·6	232°	2·6	1·2	232°	2·6	1·2	232°	2·6	1·2
1	228°	2·7	0·6	252°	2·4	1·1	252°	2·4	1·1	232°	2·6	1·2
2	228°	2·7	0·6	272°	2·0	0·9	272°	2·1	0·9	232°	2·6	1·2
3	228°	2·7	0·6	292°	1·4	0·7	292°	1·6	0·7	232°	2·6	1·2
4	228°	2·7	0·6	312°	1·4	0·7	312°	1·6	0·7	232°	2·6	1·2
5	228°	2·7	0·6	332°	1·4	0·7	332°	1·6	0·7	232°	2·6	1·2
6	228°	2·7	0·6	352°	1·4	0·7	352°	1·6	0·7	232°	2·6	1·2

Tidal Information

Place	Height above datum of soundings			
	Mean H.W. Springs	Mean H.W. Neaps	Mean L.W. Springs	Mean L.W. Neaps
Le Cd Charpentier	17·1 feet	13·1 feet	1·3 feet	3·6 feet
St Nazaire	17·3 "	13·2 "	1·1 "	3·1 "

CAUTION

The buoys are moved as necessary to meet the changes in the channels.



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