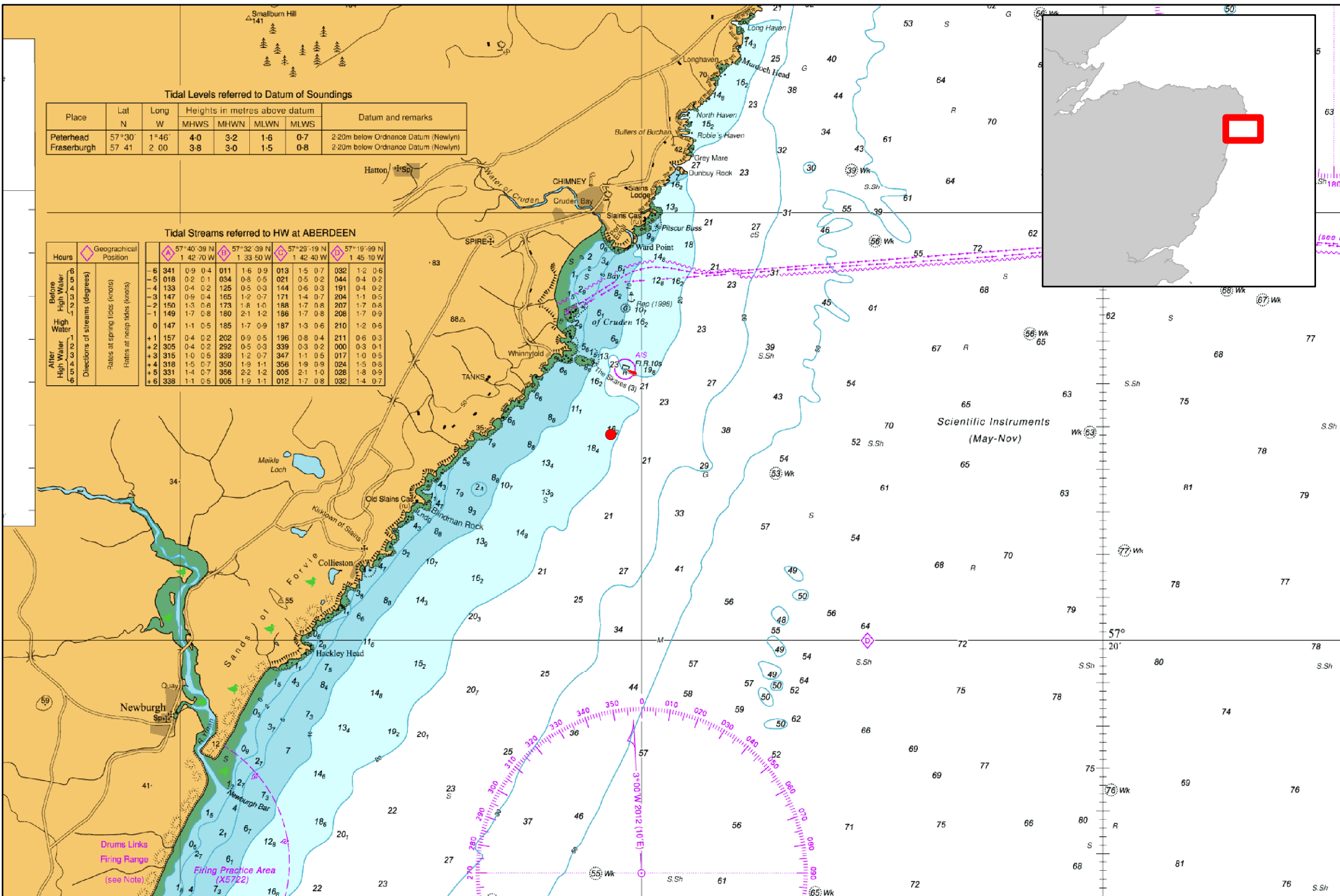


Tidal Levels referred to Datum of Soundings

Place	Lat N	Long W	Heights in metres above datum				Datum and remarks
			MHWS	MHWN	MLWN	MLWS	
Peterhead	57°30'	1°46'	4.0	3.2	1.6	0.7	2.20m below Ordnance Datum (Newlyn)
Fraserburgh	57.41	2.00	3.8	3.0	1.5	0.8	2.20m below Ordnance Datum (Newlyn)

Tidal Streams referred to HW at ABERDEEN

Hours	Geographical Position	57°40'39" N 1°42'70" W		57°32'39" N 1°33'50" W		57°25'19" N 1°42'40" W		57°19'59" N 1°45'10" W	
		Before High Water	After High Water	Before High Water	After High Water	Before High Water	After High Water	Before High Water	After High Water
6 to 5	Directions of streams (degrees)	341	09 04	011	16 09	013	15 07	032	12 06
5 to 4	Rates at spring tides (knots)	018	02 01	034	08 05	021	05 02	044	04 02
4 to 3	Rates at neap tides (knots)	133	04 02	125	05 03	144	06 03	191	04 02
3 to 2		147	09 04	165	12 07	171	14 07	204	11 05
2 to 1		150	13 08	173	18 10	188	17 08	207	17 08
1 to 0		149	17 08	180	21 12	186	17 08	208	17 09
0 to -1		147	11 05	185	17 09	187	13 06	210	12 06
-1 to -2		157	04 02	202	09 05	196	08 04	211	06 03
-2 to -3		305	04 02	292	05 03	339	03 02	000	03 01
-3 to -4		316	10 05	339	12 07	347	11 05	017	10 05
-4 to -5		318	15 07	350	19 11	356	19 09	024	15 08
-5 to -6		331	14 07	356	22 12	005	21 10	028	18 09
-6 to -7		338	11 05	005	19 11	012	17 08	032	14 07



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