

North Sea. The results of investigations undertaken for this purpose, are now beginning to be collected.

In the course of 1820 and 1821, Mr Bruncrona, assisted by the officers of the Pilotage Establishment, and other qualified persons, undertook the examination of all the authentic measures that had been established upon the west coast of the Baltic, during the last half century. The results of this examination are given in a short memoir, inserted in the Swedish Transactions for 1823. The following table indicates the degree to which the level of the sea has fallen during the last forty years, on the coast of Sweden, at various latitudes. It is proper to remark, that, in some of the places observed, the measures were much older, and in some others much more recent, than the period of forty years. In both these cases, the change of level that must have been effected during this period, has been estimated, by calculating the mean annual depression furnished by the observations.

Latitude.	Fall of surface in forty years.	Latitude.	Fall of surface in forty years.	Latitude.	Fall of surface in forty years.
East Coast.	Feet.	East Coast.	Feet.	East Coast.	Feet.
63° 59'	1.50	59° 17'	2.17	56° 10'	0.00
... ..	2.50	58 44	1.00	56 11	0.00
... ..	0.50	58 42	1.08	55 53	0.00
61 43	2.50	58 45	1.17		
61 37	2.83	58 35	2.00	South-West Coast.	
61 32	2.50	58 28	0.07	55 23	0.00
61 45	2.50	58 11	0.83	55 22	0.00
60 11	2.33	58 8	1.00	57 21	0.00
59 46	0.17	57 50	1.00	57 53	1.00
59 46	2.00	56 41	0.41		

Of the facts collected in the course of this investiga-