

PLACES.	Mean marked in	Height of the water reobserved in	Fall beneath the original mark in feet.	Number of years.	Fall of the water in 100 years, in feet.
Raholem, parish of Lower Kalix,	1770	1750	2.05	50	4.10
		1775	2.49	75	4.32
Stor Rebben, parish of Pitea,	1751	1785	1.70	34	5.00
		1796	1.90	45	4.22
Ratan, parish of Bygdea,	1749	1785	2.70	36	4.72
		1795	2.50	46	5.43
		1819	2.60	70	3.47
	1774	1785	0.55	11	5.00
		1795	1.16	21	5.52
		1819	1.60	45	3.57
Rönnskat, on the coast of Wasa,	1795	1819	0.65	24	2.71
	1755	1797	1.70	42	4.05
		1821	2.87	65	4.35
Wargön, on the coast of Wasa,	1755	1785	1.45	30	4.83
		1797	1.69	42	4.02
		1821	2.87	65	4.35
Lögfrundet, near Sefle,	1731	1785	2.90	54	5.37
		1796	2.17	65	3.34
Ulfon, in Angermanland,	1795	1822	1.58	27	5.85

It is not demonstrated that the numbers of the last column represent exactly the lowering of the water in a century; for it has not yet been sufficiently determined if this lowering be uniform, or if it vary at different periods, and if it depend upon some local circumstance,—upon the climate,—or upon the state of the atmosphere. Nor is it properly established, that this lowering, which becomes less perceptible from the north of the Baltic, until it disappears entirely at the southern extremity, follows precisely the same law of diminution as the latitude. It appears to be uniform in the whole extent of the Gulf of Bothnia, and it rises about four feet and a quarter in that region; at Calmar (lat. $57^{\circ} 50'$) it is on-