

SUPPLEMENTARY MATERIAL

Supplementary Table 1

Numbers and names of harbour seal counting areas (1–98) of each of the seven coastal sub-areas of Iceland, trend estimates for the abundance in the period 1980–2006 (Hauksson, 2010) and the period 2011–2020 (Granquist, 2021), described by exponential growth rate (R_{est} (SE; standard error and p-value). Significance levels: ns = not significant, * significant at the 5%, ** 1 % and *** 0.1% levels.

#	Counting area	1980-2006	2011-2020
		R_{est} (SE) p -value	R_{est} (SE) p -value
	Faxaflói, total	-0.07 (0.01)*	-0.01 (0.05) ^{ns}
1	Akraós	-0.06 (0.03) ^{ns}	0.06 (0.10) ^{ns}
2	Borgarfjörður	-0.10 (0.05)*	0.03 (0.09) ^{ns}
3	Búðavík	0.03 (0.07) ^{ns}	0.24 (0.08) ^{ns}
4	Haffjörður	-0.05 (0.02)*	-0.02 (0.21) ^{ns}
5	Hvalfjörður	-0.04 (0.02) ^{ns}	0.10 (0.09) ^{ns}
6	Hvalseyjar	-0.17 (0.03)*	-0.05 (0.21) ^{ns}
7	Leirárvogur	-0.06 (0.02)*	-0.23 (0.26) ^{ns}
8	Melar	-0.20 (0.04)*	0.29 (0.19) ^{ns}
9	Mýrar	-0.14 (0.03)*	0.11 (0.04) ^{ns}
10	Hafnarósar	-0.07 (0.02)*	0.04 (0.10) ^{ns}
11	W-Snæfellsnes	-0.12 (0.02)*	-0.15 (0.13) ^{ns}
	Breiðafjörður, total	-0.06 (0.01) ^{ns}	-0.03 (0.01) ^{ns}
12	Álftafjörður	-0.11 (0.02)*	NA
13	Bjarneyjar	-0.20 (0.05)*	-0.21 (0.12) ^{ns}
14	Brimilsvellir	-0.13 (0.02)*	-0.25 (0.10) ^{ns}
15	Bæjarvaðall	-0.02 (0.02) ^{ns}	-0.00 (0.06) ^{ns}
16	Fellsströnd	0.01 (0.03) ^{ns}	0.02 (0.18) ^{ns}
17	Flateyjarlönd	-0.15 (0.04)*	NA
18	Grónes/Hallsteinsnes	-0.10 (0.04)*	NA
19	Hagadrápssker & Flögur	-0.17 (0.04)*	0.25 (0.22) ^{ns}
20	Hergilseyjar & Sandeyjarh.	-0.12 (0.07) ^{ns}	-0.10 (0.18) ^{ns}
21	Hjarðarnes	0.04 (0.06) ^{ns}	0.02 (0.08) ^{ns}
22	Svefneyjar	-0.12 (0.02)*	0.05 (0.06) ^{ns}

23	Kerlingarfjörður	-0.06 (0.04) ^{ns}	-0.23 (0.23) ^{ns}
24	Króksfjarðarnes	-0.06 (0.02)*	-0.15 (0.14) ^{ns}
25	Lækjarskógarfjörur	0.03 (0.02) ^{ns}	0.01 (0.10) ^{ns}
26	Drápsker	-0.10 (0.04)*	-0.31 (0.09) ^{ns}
27	Rauðseyjar	-0.14 (0.03)*	0.25 (0.07) ^{ns}
28	Reykhólalönd	-0.06 (0.03) ^{ns}	-0.20 (0.16) ^{ns}
29	Skarðströnd	-0.17 (0.06)*	0.11 (0.32) ^{ns}
30	Skálanes	-0.05 (0.03) ^{ns}	NA
31	Skálmarnes	-0.07 (0.05) ^{ns}	0.15 (0.07) ^{ns}
32	Skógarströnd	-0.15 (0.08) ^{ns}	-0.28 (0.18) ^{ns}
33	Þórsnes and islands	-0.02 (0.05) ^{ns}	-0.07 (0.23) ^{ns}
Westfjords, total		-0.02 (0.01) ^{ns}	-0.003 (0.02) ^{ns}
34	Aðalvík	-0.03 (0.04) ^{ns}	-0.09 (0.31) ^{ns}
35	Borgarey	-0.07 (0.04) ^{ns}	0.07 (0.05) ^{ns}
36	Laugaból	-0.01 (0.04) ^{ns}	0.13 (0.06) ^{ns}
37	Grænahlíð	-0.05 (0.06) ^{ns}	NA
38	Vogasker	-0.08 (0.02)*	5.88e ⁻⁰⁴ (7.51e ⁻⁰²) ^{ns}
39	Jökulfirðir	-0.09 (0.04)*	0.06 (0.21) ^{ns}
40	Mjóifjörður	-0.01 (0.02) ^{ns}	0.23 (0.08) ^{ns}
41	Patreksfj & Tálknafj	0.07 (0.03) ^{ns}	NA
42	Reykjanes	-0.05 (0.02)*	-0.11 (0.09) ^{ns}
43	Súgandafjörður	-0.05 (0.07) ^{ns}	NA
44	Vatnsfjarðarnes	0.02 (0.03) ^{ns}	-0.10 (0.07) ^{ns}
45	Ögurnes	0.02 (0.02) ^{ns}	-0.01 (0.06) ^{ns}
46	Önundarfjörður	-0.06 (0.04) ^{ns}	NA
Northwest Iceland, total		-0.02 (0.01) ^{ns}	-0.06 (0.05) ^{ns}
47	Eyjar	-0.09 (0.02)*	0.08 (0.22) ^{ns}
48	Suður Bjarnarfjörður	-0.02 (0.04) ^{ns}	0.12 (0.12) ^{ns}
49	Furufjörður	-0.04 (0.03) ^{ns}	0.08 (0.13) ^{ns}
50	Drangar/Drangavík/Bjarnavík	-0.03 (0.02) ^{ns}	-0.11 (0.02)*

51	Drangsnæs	0.04 (0.02) ^{ns}	0.48 (0.07)*
52	Eyjarey	-0.06 (0.02)*	NA
53	Vatnshes	-0.02 (0.03) ^{ns}	-0.04 (0.12) ^{ns}
54	Heggstaðanes	-0.01 (0.03) ^{ns}	0.04 (0.12) ^{ns}
55	Horn - Straumnes	0.01 (0.08) ^{ns}	NA
56	Kollafjörður	-0.02 (0.02) ^{ns}	0.07 (0.09) ^{ns}
57	Munaðarnessker	0.04 (0.05) ^{ns}	0.01 (0.05) ^{ns}
58	Litla Ávík	-0.03 (0.04) ^{ns}	0.01 (0.05) ^{ns}
59	Ófeigsfjörður	-0.04 (0.04) ^{ns}	-0.01 (0.05) ^{ns}
60	Reykjarfjarðarsker	-0.04 (0.05) ^{ns}	-0.01 (0.05) ^{ns}
61	Suður Reykjafjörður	-0.03 (0.04) ^{ns}	NA
62	Siglufjörður	-0.06 (0.04) ^{ns}	NA
63	Sigríðarstaðaós	-0.004 (0.10) ^{ns}	-0.10 (0.04) ^{ns}
64	Skagi	-0.04 (0.02) ^{ns}	-0.06 (0.06) ^{ns}
65	Skjaldarbjarnarvík	-0.02 (0.05) ^{ns}	-0.12 (0.32) ^{ns}
66	Vestur Hnútafjörður	-0.02 (0.03) ^{ns}	-0.09 (0.17) ^{ns}
Northeast, total		-0.04 (0.01) ^{ns}	-0.06 (0.06) ^{ns}
67	Bakkahlaup	-0.02 (0.02) ^{ns}	-0.09 (0.08) ^{ns}
68	Eyjafjörður	0.03 (0.04) ^{ns}	NA
69	Melrakkaslétta	-0.07 (0.03)*	-0.37 (0.11) ^{ns}
70	Skjálíffandaflljót	-0.06 (0.02)*	1.30e ⁻⁰¹ (8.36e ⁻⁰³)**
71	Tjörnes	-0.13 (0.05)*	NA
72	Þistilfjörður	0.03 (0.09) ^{ns}	-0.17 (0.19) ^{ns}
East Iceland, total		-0.01 (0.01)*	0.05 (0.03) ^{ns}
73	Álftafjörður	-0.04 (0.02) ^{ns}	0.10 (0.07) ^{ns}
74	Bakkaflóí	-0.07 (0.02)*	0.21 (0.10) ^{ns}
75	Berufjörður	0.06 (0.04) ^{ns}	0.03 (0.08) ^{ns}
76	Breiðdalsvík	-0.09 (0.02)*	0.13 (0.32) ^{ns}
77	Dalatangi	-0.10 (0.01)*	-0.26 (0.27) ^{ns}
78	Eystrahorn	-0.14 (0.03)*	NA

79	Héraðsflói	-0.01 (0.02) ^{ns}	-0.10 (0.06) ^{ns}
80	Húsavík	0.04 (0.07) ^{ns}	-0.09 (0.04) ^{ns}
81	Jökla	0.02 (0.03) ^{ns}	0.04 (0.02) ^{ns}
82	Loðmundar & Seyðisfj.	-0.11 (0.04)*	NA
South Iceland, total		-0.07 (0.01)*	0.02 (0.07) ^{ns}
83	Skaftárós	-0.11 (0.04)*	-0.04 (0.47) ^{ns}
84	Eyrarbakki/Stokkseyri	-0.03 (0.05) ^{ns}	1.40e ⁻⁰¹ (8.42e ⁻⁰³)* ^{**}
85	Fjallsárós	-0.07 (0.04) ^{ns}	0.01 (0.06) ^{ns}
86	Hestgerðirlón	-0.14 (0.05)*	-0.06 (0.08) ^{ns}
87	Öræfi	0.02 (0.11) ^{ns}	0.02 (0.14) ^{ns}
88	Hornafjörður	-0.19 (0.17) ^{ns}	0.16 (0.15) ^{ns}
89	Hrollaugseyjar-Tvísker	0.02 (0.06) ^{ns}	NA
90	Kúðafliót	-0.06 (0.01)*	0.07 (0.07) ^{ns}
91	Landeyjarsandur	-0.19 (0.04)*	NA
92	Markarfljót	-0.07 (0.02)*	0.10 (0.12) ^{ns}
93	Papós and skerries	-0.07 (0.05) ^{ns}	0.10 (0.34) ^{ns}
94	Vestmannaeyjar	-0.09 (0.05) ^{ns}	NA
95	Vígur í Lóni	-0.15 (0.04)*	0.09 (0.30) ^{ns}
96	Þjórsá	-0.01 (0.02) ^{ns}	5.55e ⁻⁰⁴ (1.45e ⁻⁰¹) ^{ns}
97	Selvogur	-0.05 (0.04) ^{ns}	0.29 (0.01)* ^{**}
98	Ölfusá	-0.01 (0.06) ^{ns}	-0.07 (0.09) ^{ns}