**SUPPLEMENTARY MATERIAL I**

**Passive acoustic monitoring reveals year-round marine mammal community composition off Tasiilaq, Southeast Greenland**

Ramona M. Mattmüller1,[[1]](#footnote-1),[[2]](#footnote-2), Karolin Thomisch1, Ilse Van Opzeeland1,[[3]](#footnote-3), Kristin L. Laidre2, Malene Simon3

1Ocean Acoustics Group, Alfred Wegener Institute Helmholtz Center for Polar and Marine Research, Am Handelshafen 12, 27570 Bremerhaven, Germany

2Polar Science Center, Applied Physics Laboratory, University of Washington, 1013 NE 40th Street, Seattle, WA 98105, USA

3Greenland Climate Research Centre, Greenland Institute of Natural Resources, P.O. Box 570, Kivioq 2, 3900 Nuuk, Greenland

TABLE SI.I.Relative acoustic presence per species, per recording period, and recording site in percent. The total amount of days with acoustic presence is given in brackets. Note that the recorder SER-2017/18 was analyzed based on a daily resolution while only every seventh day of the other recorders was analyzed. UTW = Unidentified toothed whales; UBW (categories) = Unidentified baleen whales.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | SER | |  | | KUL | |
|  | 2014/15 | | 2016/17 | | 2017/18 | | 2016/17 | |
| Number of days analyzed per recording period | 54 | | 54 | | 359 | | 53 | |
| Bearded seal | 22% | (12) | 30% | (16) | 24% | (87) | 23% | (12) |
| Narwhal | 2% | (1) | 2% | (1) | 0% | (0) | 0% | (0) |
| Bowhead whale | 0% | (0) | 2% | (1) | 0.3% | (1) | 2% | (1) |
| Humpback whale | 15% | (8) | 30% | (16) | 29% | (105) | 17% | (9) |
| Fin whale | 31% | (17) | 15% | (8) | 45% | (162) | 45% | (24) |
| Sperm whale | 15% | (8) | 30% | (16) | 29% | (104) | 34% | (18) |
| Killer whale | 0% | (0) | 0% | (0) | 0.3% | (1) | 0% | (0) |
| UTW | 13% | (8) | 22% | (12) | 9% | (33) | 15% | (8) |
| UBW-C1 | 8% | (4) | 7% | (4) | 6% | (20) | 4% | (2) |
| UBW-C2 | 13% | (7) | 6% | (3) | 14% | (52) | 11% | (6) |
| UBW-C3 | 15% | (8) | 13% | (7) | 11% | (40) | 13% | (7) |
| UBW-C4 | 0% | (0) | 4% | (2) | 7% | (25) | 2% | (1) |
| UBW-C5 | 6% | (3) | 13% | (7) | 11% | (38) | 0% | (0) |

1. Corresponding author: Ramona.mattmueller@awi.de [↑](#footnote-ref-1)
2. Also at: Department of Animal Behaviour, Bielefeld University, Postfach 100131, 33501, Bielefeld, Germany [↑](#footnote-ref-2)
3. Also at: Helmholtz Institute for Functional Marine Biodiversity, Carl von Ossietzky University Oldenburg, 26382 Wilhelmshaven, Germany [↑](#footnote-ref-3)