



Regional baselines for marine mammal knowledge across the North Sea and Atlantic areas of Scottish waters: Appendix 5: Supplementary Material – Density Estimates

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Appendix 5: Supplementary Material – Density Estimates

This section details the density estimates for each Draft Plan Options (DPO) site¹ extracted from the data sources. Please note: Waggitt et al (2020) provides monthly estimates for each species, however it was not possible to extract every month for every species in every DPO within the timeframe of this project. Therefore the tables below present only the density estimates for January and July for each species. Likewise, Reid et al (2003) provide monthly distribution maps for minke whales (May-Nov), Risso's and White-beaked dolphins (every month), however only the annual distribution and relative abundance estimates are extracted in the tables below.

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¹ Draft Sectoral Marine Plan for Offshore Wind Energy <https://www.gov.scot/publications/draft-sectoral-marine-plan-offshore-wind-energy/>

Table 1 Marine mammal density estimates using data available within Draft Plan Option site E1

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|-------------------------------------|---------------|--------------|
| Atlantic white-sided dolphin | E1 | East | 0.010 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Atlantic white-sided dolphin | E1 | East | 0.000 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| Atlantic white-sided dolphin | E1 | East | 0.000 - 0.038 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | E1 | East | 0.008 - 0.029 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | E1 | East | 0.014 - 0.045 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | E1 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Atlantic white-sided dolphin | E1 | East | 0.00 - 0.04 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin | E1 | East | 0.030 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Bottlenose dolphin | E1 | East | 0.080 | dolphins/100 km ² | SCANS II Block V design based est | Jul | 2005 |
| Bottlenose dolphin (offshore) | E1 | East | 0.001 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | E1 | East | 0.001 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | E1 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | E1 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | E1 | East | 0.277 - 6.556 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | E1 | East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | E1 | East | 0.599 | porpoise/km ² | SCANS III Block R | Jul | 2016 |
| Harbour porpoise | E1 | East | 0.294 | porpoise/km ² | SCANS II Block V design based est | Jul | 2005 |
| Harbour porpoise | E1 | East | 0.376 - 0.650 | porpoise/km ² | SCANS II Density Surface Model | Jul | 2005 |
| Harbour porpoise | E1 | East | 0.004 - 0.208 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | E1 | East | 0.5-1.2 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | E1 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | E1 | East | 0.09 - 0.26 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | E1 | East | 0.160 - 0.326 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | E1 | East | 0.293 - 0.536 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour seal | E1 | East | 0.001 - 0.034 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | E1 | East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | E1 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

| | | | | | | | |
|-----------------------------|----|------|----------------|-------------------------------|---|--------------|--------------|
| Killer whale | E1 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | E1 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | E1 | East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E1 | East | 0.002 - 0.010 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | E1 | East | 0.006 - 0.024 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E1 | East | 0.039 | whales/km ² | SCANS III Block R | Jul | 2016 |
| Minke whale | E1 | East | 0.028 | whales/km ² | SCANS II Block V design based est | Jul | 2005 |
| Minke whale | E1 | East | 0.040 - 0.102 | whales/km ² | SCANS II Density Surface Model | Jul | 2005 |
| Minke whale | E1 | East | 0.000 - 0.075 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | E1 | East | 0.03 - 0.05 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | E1 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | E1 | East | 0.021 - 0.100 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | E1 | East | 0 - 7 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | E1 | East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | E1 | East | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | E1 | East | 0.005 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | E1 | East | 0.029 - 0.037 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | E1 | East | 0.000 - 0.045 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Sperm whale | E1 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | E1 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E1 | East | 0.043 - 0.052 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | E1 | East | 0.096 - 0.133 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E1 | East | 0.243 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| White-beaked dolphin | E1 | East | 0.049 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| White-beaked dolphin | E1 | East | 0.081 - 0.442 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | E1 | East | 0.000 - 17.967 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | E1 | East | 0.05 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | E1 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | E1 | East | 0.25 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

Table 2 Marine mammal density estimates using data available within Draft Plan Option site E2

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|-------------------------------------|---------------|--------------|
| Atlantic white-sided dolphin | E2 | East | 0.010 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Atlantic white-sided dolphin | E2 | East | 0.000 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| Atlantic white-sided dolphin | E2 | East | 0.011 - 0.020 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | E2 | East | 0.019 - 0.035 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | E2 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Bottlenose dolphin | E2 | East | 0.030 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Bottlenose dolphin | E2 | East | 0.080 | dolphins/100 km ² | SCANS II Block V design based est | Jul | 2005 |
| Bottlenose dolphin (offshore) | E2 | East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | E2 | East | 0.001 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | E2 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | E2 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | E2 | East | 0.525 - 16.186 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | E2 | East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | E2 | East | 0.599 | porpoise/km ² | SCANS III Block R | Jul | 2016 |
| Harbour porpoise | E2 | East | 0.294 | porpoise/km ² | SCANS II Block V design based est | Jul | 2005 |
| Harbour porpoise | E2 | East | 0.039 - 0.176 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | E2 | East | 0.204 - 0.285 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | E2 | East | 0.386 - 0.470 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | E2 | East | 0.3-0.75 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | E2 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | E2 | East | 0.09 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | E2 | East | 0.001 - 0.004 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | E2 | East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | E2 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | E2 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | E2 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | E2 | East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E2 | East | 0.039 | whales/km ² | SCANS III Block R | Jul | 2016 |
| Minke whale | E2 | East | 0.028 | whales/km ² | SCANS II Block V design based est | Jul | 2005 |
| Minke whale | E2 | East | 0.004 - 0.011 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|-----------------------------|----|------|---------------|-------------------------------|---|--------------|--------------|
| Minke whale | E2 | East | 0.003 - 0.005 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | E2 | East | 0.007 - 0.013 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E2 | East | 0.03 - 0.04 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | E2 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | E2 | East | 0.000 - 0.046 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | E2 | East | 0 - 1 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | E2 | East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | E2 | East | 0.002 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | E2 | East | 0.000 - 0.016 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Short-beaked common dolphin | E2 | East | 0.007 - 0.008 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | E2 | East | 0.034 - 0.041 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | E2 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | E2 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E2 | East | 0.243 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| White-beaked dolphin | E2 | East | 0.049 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| White-beaked dolphin | E2 | East | 0.205 - 0.554 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | E2 | East | 0.000 - 4.984 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | E2 | East | 0.046 - 0.056 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | E2 | East | 0.105 - 0.130 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E2 | East | 0.10 - 0.25 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | E2 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | E2 | East | 0.25 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

Table 3 Marine mammal density estimates using data available within Draft Plan Option site E3

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|------------------------------------|---------------|--------------|
| Atlantic white-sided dolphin | E3 | East | 0.000 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| Atlantic white-sided dolphin | E3 | East | 0.010 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Atlantic white-sided dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| Atlantic white-sided dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Atlantic white-sided dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Atlantic white-sided dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Atlantic white-sided dolphin | E3 | East | 0.000 - 0.015 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | E3 | East | 0.008 - 0.021 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | E3 | East | 0.014 - 0.035 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | E3 | East | present | sightings | Anderwald and Evans 2010 | All | 1973-2010 |
| Atlantic white-sided dolphin | E3 | East | 0.00 - 0.04 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin | E3 | East | 0.080 | dolphins/100 km ² | SCANS II Block V design based est | Jul | 2005 |
| Bottlenose dolphin | E3 | East | 0.030 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Bottlenose dolphin | E3 | East | 0.016 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | E3 | East | 0.032 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | E3 | East | 0.030 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | E3 | East | 0.013 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin | E3 | East | 0.000 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Bottlenose dolphin (offshore) | E3 | East | 0.001 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | E3 | East | 0.001 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | E3 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | E3 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | E3 | East | 2.162 - 16.030 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | E3 | East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |

| | | | | | | | |
|-------------------------|----|------|---------------|--------------------------|---------------------------------------|--------------|--------------|
| Harbour porpoise | E3 | East | 0.387 | porpoise/km ² | SCANS I Block C | Jul | 1994 |
| Harbour porpoise | E3 | East | 0.294 | porpoise/km ² | SCANS II Block V design based est | Jul | 2005 |
| Harbour porpoise | E3 | East | 0.28 - 0.55 | porpoise/km ² | SCANS II density surface model | Jul | 2005 |
| Harbour porpoise | E3 | East | 0.599 | porpoise/km ² | SCANS III Block R | Jul | 2016 |
| Harbour porpoise | E3 | East | 0.05 - 0.16 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | E3 | East | 0.491 | porpoise/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| Harbour porpoise | E3 | East | 0.245 | porpoise/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Harbour porpoise | E3 | East | 0.308 | porpoise/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Harbour porpoise | E3 | East | 0.175 | porpoise/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | E3 | East | 1 | sighting | HiDef 2015 | Aug-Nov | 2014 |
| Harbour porpoise | E3 | East | 0.189 - 0.242 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | E3 | East | 0.323 - 0.417 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | E3 | East | 0.5-0.75 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | E3 | East | 0.6 - 1.2 | porpoise/km ² | Heinanan & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | E3 | East | 0.06 - 0.26 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | E3 | East | 0.003 - 0.030 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | E3 | East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | E3 | East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | E3 | East | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | E3 | East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | E3 | East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E3 | East | 0.0245 | whales/km ² | SCANS I Block C | Jul | 1994 |
| Minke whale | E3 | East | 0.028 | whales/km ² | SCANS II Block V design based est | Jul | 2005 |
| Minke whale | E3 | East | 0.016 - 0.039 | whales/km ² | SCANS II density surface model | Jul | 2005 |
| Minke whale | E3 | East | 0.039 | whales/km ² | SCANS III Block R | Jul | 2016 |
| Minke whale | E3 | East | 0.016 - 0.082 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | E3 | East | 0.05 - 0.27 | whales/standard hour | Reid et al 2003 | Jul | 1979-1997 |
| Minke whale | E3 | East | 0.006 - 0.04 | whales/standard hour | Reid et al 2003 | Aug | 1979-1997 |
| Minke whale | E3 | East | 0.06 | whales/standard hour | Reid et al 2003 | Sep | 1979-1997 |
| Minke whale | E3 | East | 0.001 | whales/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |

| | | | | | | | |
|-----------------------------|----|------|---------------|-------------------------------|---|--------------|--------------|
| Minke whale | E3 | East | 0.004 | whales/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Minke whale | E3 | East | 0.025 | whales/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Minke whale | E3 | East | 0.001 | whales/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Minke whale | E3 | East | 0.003 - 0.009 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | E3 | East | 0.009 - 0.024 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | E3 | East | 0.03 - 0.04 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | E3 | East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | E3 | East | 0.011 - 0.100 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | E3 | East | present | sightings | Anderwald and Evans 2010 | All | 1973-2010 |
| Minke whale | E3 | East | 0 - 4 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| Risso's dolphin | E3 | East | 0.001 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | E3 | East | 0.000 - 0.039 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | E3 | East | 0.100 | dolphins/standard hour | Reid et al 2003 | Jul | 1979-1997 |
| Risso's dolphin | E3 | East | 0.0756 | dolphins/standard hour | Reid et al 2003 | Aug | 1979-1997 |
| Risso's dolphin | E3 | East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | E3 | East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Risso's dolphin | E3 | East | 0.03 - 0.06 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Short-beaked common dolphin | E3 | East | 0.000 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| Short-beaked common dolphin | E3 | East | 0.000 | dolphins/km ² | SCANS III Block R | Jul | 2016 |

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|-----------------------------|----|------|---------------|--------------------------|---|-------------|-----------|
| Short-beaked common dolphin | E3 | East | 0.001 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | E3 | East | 0.001 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| Short-beaked common dolphin | E3 | East | 0.004 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | E3 | East | 0.009 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | E3 | East | 0.000 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Short-beaked common dolphin | E3 | East | 0.005 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | E3 | East | 0.029 - 0.035 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sowerby's beaked whale | E3 | East | 0.000 - 0.012 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Sperm whale | E3 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | E3 | East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E3 | East | 0.0538 | dolphins/km ² | SCANS I Block C | Jul | 1994 |
| White-beaked dolphin | E3 | East | 0.049 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| White-beaked dolphin | E3 | East | 0.243 | dolphins/km ² | SCANS III Block R | Jul | 2016 |
| White-beaked dolphin | E3 | East | 0.029 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | E3 | East | 0.124 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | E3 | East | 0.051 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | E3 | East | 0.038 | dolphins/km ² | Paxton et al 2016 (Firth of Forth) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | E3 | East | 0.000 - 1.725 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | E3 | East | 0.068 - 0.750 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | E3 | East | 0.37 - 2.51 | dolphins/standard hour | Reid et al 2003 | Jul | 1979-1997 |
| White-beaked dolphin | E3 | East | 0.069 - 0.021 | dolphins/standard hour | Reid et al 2003 | Aug | 1979-1997 |
| White-beaked dolphin | E3 | East | 0.742 | dolphins/standard hour | Reid et al 2003 | Sep | 1979-1997 |
| White-beaked dolphin | E3 | East | 0.247 | dolphins/standard hour | Reid et al 2003 | Oct | 1979-1997 |

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|----------------------|----|------|---------------|--------------------------|-------------------------------------|--------------|--------------|
| White-beaked dolphin | E3 | East | 0.042 - 0.055 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | E3 | East | 0.101 - 0.129 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | E3 | East | 0.00 - 0.10 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | E3 | East | 0.25 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | E3 | East | present | sightings | Anderwald and Evans 2010 | All | 1973-2010 |

Table 4 Marine mammal density estimates using data available within Draft Plan Option site NE1

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|------------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE1 | North East | 0.021 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| Atlantic white-sided dolphin | NE1 | North East | 0.000 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | NE1 | North East | 0.000 | dolphins/km travelled | Weir et al 2001 | Annual | 1979-1998 |
| Atlantic white-sided dolphin | NE1 | North East | 0.040 - 0.058 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE1 | North East | 0.069 - 0.095 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | NE1 | North East | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE1 | North East | 0.09 | dolphins/100 km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE1 | North East | 0.000 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| Bottlenose dolphin | NE1 | North East | 0.000 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Bottlenose dolphin (offshore) | NE1 | North East | 0.005 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE1 | North East | 0.005 - 0.006 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE1 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE1 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE1 | North East | 0.072 - 3.087 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |

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|------------------|-----|------------|---------------|--------------------------|--|---------|-----------|
| Grey seal | NE1 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | NE1 | North East | 0.784 | porpoise/km ² | SCANS I Block J | Jul | 1994 |
| Harbour porpoise | NE1 | North East | 0.363 | porpoise/km ² | SCANS I Block D | Jul | 1994 |
| Harbour porpoise | NE1 | North East | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | NE1 | North East | 0.177 | porpoise/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Harbour porpoise | NE1 | North East | 0.260 - 0.396 | porpoise/km ² | SCANS II Density Surface Model | Jul | 2005 |
| Harbour porpoise | NE1 | North East | 0.402 | porpoise/km ² | SCANS III Block T | Jul | 2016 |
| Harbour porpoise | NE1 | North East | 0.012 - 0.091 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE1 | North East | 0.01-0.06 | porpoise/km travelled | Weir et al 2001 | Annual | 1979-1998 |
| Harbour porpoise | NE1 | North East | 0.01 - 1.0+ | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | NE1 | North East | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Nov-Mar | 1979-1999 |
| Harbour porpoise | NE1 | North East | 0.01 - 0.06 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | NE1 | North East | 0.127 - 0.157 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE1 | North East | 0.275 - 0.339 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE1 | North East | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |

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|-------------------------|-----|------------|---------------|------------------------|---|--------------|--------------|
| Harbour porpoise | NE1 | North East | 0.15 - 0.26 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | NE1 | North East | 0.070 - 5.373 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE1 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE1 | North East | 0.002 - 0.003 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE1 | North East | 0.002 - 0.003 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE1 | North East | 0.003 - 0.005 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE1 | North East | 0.001 - 0.003 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE1 | North East | 0.0286 | whales/km ² | SCANS I Block J | Jul | 1994 |
| Minke whale | NE1 | North East | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | NE1 | North East | 0.013 | whales/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Minke whale | NE1 | North East | 0.003 - 0.006 | whales/km ² | SCANS II Density Surface Model | Jul | 2005 |
| Minke whale | NE1 | North East | 0.032 | whales/km ² | SCANS III Block T | Jul | 2016 |
| Minke whale | NE1 | North East | 0.000 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE1 | North East | 0.000 - 0.010 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE1 | North East | 0.000 - 0.049 | whales/standard hour | Reid et al 2003 | Jul | 1979-1997 |

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|-----------------------------|-----|------------|---------------|--------------------------|--|--------|-----------|
| Minke whale | NE1 | North East | 0.005 - 0.015 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE1 | North East | 0.012 - 0.036 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE1 | North East | 0.02 - 0.04 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE1 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Risso's dolphin | NE1 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE1 | North East | 0.003 - 0.004 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE1 | North East | 0.011 - 0.014 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE1 | North East | 0.057 - 0.069 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | NE1 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE1 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE1 | North East | 0.011 | dolphins/km ² | SCANS I Block D | Jul | 1994 |
| White-beaked dolphin | NE1 | North East | 0.018 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE1 | North East | 0.011 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE1 | North East | 0.037 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| White-beaked dolphin | NE1 | North East | 0.000 - 0.076 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|----------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| White-beaked dolphin | NE1 | North East | 0.417 | dolphins/standard hour | Reid et al 2003 | Aug | 1979-1997 |
| White-beaked dolphin | NE1 | North East | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE1 | North East | 0.00-0.03 | dolphins/km travelled | Weir et al 2001 | Annual | 1979-1998 |
| White-beaked dolphin | NE1 | North East | 0.065 - 0.079 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE1 | North East | 0.155 - 0.182 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE1 | North East | 0.00 - 0.05 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE1 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | NE1 | North East | 0.00 - 0 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | NE1 | North East | 0.00 - 0.03 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |

Table 5 Marine mammal density estimates using data available within Draft Plan Option site NE2

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE2 | North East | 0.010 - 0.016 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE2 | North East | 0.019 - 0.030 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | NE2 | North East | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE2 | North East | 0.004 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | NE2 | North East | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin | NE2 | North East | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Bottlenose dolphin (offshore) | NE2 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE2 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE2 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE2 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE2 | North East | 4.537 - 46.658 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE2 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | NE2 | North East | present | sightings | Stone 2016 | All | 1994-2010 |
| Grey seal | NE2 | North East | present | sightings | Pollock et al 2000 | All | 1979-1999 |
| Harbour porpoise | NE2 | North East | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | NE2 | North East | 0.152 | porpoise/km ² | SCANS III Block S | Jul | 2016 |
| Harbour porpoise | NE2 | North East | 0.050 - 0.320 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|-------------------------|-----|------------|---------------|--------------------------|--|--------------|--------------|
| Harbour porpoise | NE2 | North East | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | NE2 | North East | 0.00 - 0.03 | individuals/km | Pollock et al. 2000 | Nov-Mar | 1979-1999 |
| Harbour porpoise | NE2 | North East | 0.01 - 0.03 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | NE2 | North East | 0.207 - 0.236 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE2 | North East | 0.389 - 0.430 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE2 | North East | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE2 | North East | | porpoise/km ² | Heinanan & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE2 | North East | 0.09 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | NE2 | North East | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Harbour seal | NE2 | North East | 0.052 - 0.297 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE2 | North East | 0 | seals per 0.6x0.6 kmcell | Jones et al. 2017 | All | 2003-2015 |
| Harbour seal | NE2 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE2 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE2 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE2 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE2 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE2 | North East | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | NE2 | North East | 0.009 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Minke whale | NE2 | North East | 0.000 - 0.008 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|-----------------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| Minke whale | NE2 | North East | 0.000 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE2 | North East | 0.004 - 0.006 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE2 | North East | 0.010 - 0.015 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE2 | North East | 0.01 - 0.03 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE2 | North East | 0.000 - 0.010 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | NE2 | North East | present | sightings | Weir et al. 2001 | All | 1979–1998 |
| Minke whale | NE2 | North East | present | sightings | Pollock et al. 2000 | All | 1979–1999 |
| Risso's dolphin | NE2 | North East | 0.000 - 0.024 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | NE2 | North East | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | NE2 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE2 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE2 | North East | 0.008 - 0.010 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE2 | North East | 0.041 - 0.049 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | NE2 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE2 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE2 | North East | 0.0182 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE2 | North East | 0.021 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | NE2 | North East | 0.000 - 0.378 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | NE2 | North East | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |

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|----------------------|-----|------------|---------------|-------------------------------|-------------------------------------|--------------|--------------|
| White-beaked dolphin | NE2 | North East | 0.054 - 0.064 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE2 | North East | 0.116 - 0.138 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE2 | North East | 0.05 - 0.15 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE2 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | NE2 | North East | 0.00 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | NE2 | North East | 0.07 - 0.99 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |
| White-beaked dolphin | NE2 | North East | 0.00 - 0.99 | individuals/km travelled | Pollock et al. 2000 | Nov - Apr | 1979-1999 |
| White-beaked dolphin | NE2 | North East | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| White-beaked dolphin | NE2 | North East | 0 - 1 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |

Table 6 Marine mammal density estimates using data available within Draft Plan Option site NE3

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|------------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE3 | North East | 0.010 - 0.018 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE3 | North East | 0.019 - 0.034 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | NE3 | North East | 0.004 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | NE3 | North East | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE3 | North East | 0.080 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE3 | North East | 0.09 | dolphins/100 km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE3 | North East | 0.000 - 0.203 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Bottlenose dolphin | NE3 | North East | 0.0 - 0.1 | dolphins/4x4 km cell | Moray West EIA | All | |
| Bottlenose dolphin | NE3 | North East | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | NE3 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE3 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE3 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE3 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE3 | North East | 3.776 - 41.308 | seals/5x5 km cell | Russell et al 2017 | Annual | |
| Grey seal | NE3 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | NE3 | North East | present | sightings | Stone 2017 | All | 1994-2010 |
| Harbour porpoise | NE3 | North East | 0.152 | porpoise/km ² | SCANS III Block S | Jul | 2016 |

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|-------------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| Harbour porpoise | NE3 | North East | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | NE3 | North East | 0.294 | porpoise/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Harbour porpoise | NE3 | North East | 0.177 | porpoise/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Harbour porpoise | NE3 | North East | 0.052 - 0.057 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE3 | North East | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | NE3 | North East | 0.01 - 0.03 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | NE3 | North East | 1.05 - 9.55 | porpoise/4x4 km cell | Moray West EIA | All | |
| Harbour porpoise | NE3 | North East | 0.206 - 0.238 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE3 | North East | 0.382 - 0.420 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE3 | North East | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE3 | North East | <0.3 - 0.6 | porpoise/km ² | Heinananen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE3 | North East | 0.09 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | NE3 | North East | 0.029 - 0.253 | seals/5x5 km cell | Russell et al 2017 | Annual | |
| Harbour seal | NE3 | North East | 0.0 - 0.5 | seals/4x4 km cell | Moray West EIA | All | |
| Harbour seal | NE3 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE3 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE3 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE3 | North East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE3 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |

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|-----------------------------|-----|------------|---------------|-------------------------------|---|--------------|--------------|
| Minke whale | NE3 | North East | 0.009 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Minke whale | NE3 | North East | 0.028 | whales/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Minke whale | NE3 | North East | 0.013 | whales/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Minke whale | NE3 | North East | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | NE3 | North East | 0.000 - 0.016 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE3 | North East | 0.000 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE3 | North East | 0.004 - 0.006 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE3 | North East | 0.012 - 0.015 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE3 | North East | 0.02 - 0.03 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE3 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | NE3 | North East | 0.000 - 0.010 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | NE3 | North East | present | sightings | Pollock et al. 2000 | All | 1979–1999 |
| Minke whale | NE3 | North East | 0 - 2 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | NE3 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE3 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE3 | North East | 0.008 - 0.010 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE3 | North East | 0.041 - 0.051 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE3 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Sperm whale | NE3 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

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|----------------------|-----|------------|---------------|-------------------------------|---|--------------|--------------|
| Sperm whale | NE3 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE3 | North East | 0.021 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | NE3 | North East | 0.0182 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE3 | North East | 0.011 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE3 | North East | 0.049 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE3 | North East | 0.000 - 0.167 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | NE3 | North East | 0.000 - 0.119 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE3 | North East | 0.056 - 0.066 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE3 | North East | 0.120 - 0.141 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE3 | North East | 0.10 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE3 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | NE3 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | NE3 | North East | 0.01 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | NE3 | North East | 0.01 - 0.99 | individuals/km travelled | Pollock et al. 2000 | Nov - Apr | 1979-1999 |
| White-beaked dolphin | NE3 | North East | 0 - 7 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |

Table 7 Marine mammal density estimates using data available within Draft Plan Option site NE4

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE4 | North East | 0.006 - 0.011 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE4 | North East | 0.011 - 0.022 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | NE4 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Atlantic white-sided dolphin | NE4 | North East | present | sightings | Evans et al. 2011 | All | 1980 - 2010 |
| Bottlenose dolphin | NE4 | North East | 0.004 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | NE4 | North East | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE4 | North East | 0.022 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | NE4 | North East | 0.032 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | NE4 | North East | 0.029 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | NE4 | North East | 0.014 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin | NE4 | North East | 0.0 - 0.1 | dolphins/4x4 km cell | Moray West EIA | All | |
| Bottlenose dolphin (offshore) | NE4 | North East | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE4 | North East | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE4 | North East | 0.000 - 0.001 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Fin whale | NE4 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE4 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE4 | North East | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

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|------------------|-----|------------|----------------|--------------------------|--|--------------|--------------|
| Grey seal | NE4 | North East | 2.983 - 13.588 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE4 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | NE4 | North East | present | sightings | Stone 2018 | All | 1994-2010 |
| Harbour porpoise | NE4 | North East | 0.152 | porpoise/km ² | SCANS III Block S | Jul | 2016 |
| Harbour porpoise | NE4 | North East | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | NE4 | North East | 0.126 - 0.159 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE4 | North East | 1.709 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Harbour porpoise | NE4 | North East | 1.025 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Harbour porpoise | NE4 | North East | 1.139 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Harbour porpoise | NE4 | North East | 0.671 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | NE4 | North East | 3.32 - 11.27 | porpoise/4x4 km cell | Moray West EIA | All | |
| Harbour porpoise | NE4 | North East | 0.224 - 0.268 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE4 | North East | 0.368 - 0.451 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE4 | North East | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE4 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE4 | North East | 1.2 - 2.4 | porpoise/km ² | Heinanen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE4 | North East | 0.09 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | NE4 | North East | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Harbour seal | NE4 | North East | 0.031 - 3.055 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |

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|-------------------------|-----|------------|---------------|------------------------|---|--------------|--------------|
| Harbour seal | NE4 | North East | 0.0 - 1.0 | seals/4x4 km cell | Moray West EIA | All | |
| Harbour seal | NE4 | North East | present | | Stone 2015 | All | 1994-2010 |
| Harbour seal | NE4 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE4 | North East | 0.000 - 0.028 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Killer whale | NE4 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE4 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Killer whale | NE4 | North East | 0.01 - 0.05 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Long-finned pilot whale | NE4 | North East | 0.000 - 0.063 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Long-finned pilot whale | NE4 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE4 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE4 | North East | 0.01 - 0.20 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Long-finned pilot whale | NE4 | North East | present | sightings | Evans et al. 2011 | All | 1980 - 2010 |
| Minke whale | NE4 | North East | 0.009 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Minke whale | NE4 | North East | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | NE4 | North East | 0.000 - 0.009 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE4 | North East | 0.000 - 0.028 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE4 | North East | 0.003 | whales/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Minke whale | NE4 | North East | 0.004 | whales/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Minke whale | NE4 | North East | 0.027 | whales/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |

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|-----------------------------|-----|------------|---------------|-------------------------------|--|--------------|--------------|
| Minke whale | NE4 | North East | 0.003 | whales/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Minke whale | NE4 | North East | 0.003 - 0.007 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE4 | North East | 0.010 - 0.023 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE4 | North East | 0.03 - >0.05 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE4 | North East | 0.000 - 0.010 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | NE4 | North East | 0 - 2 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | NE4 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE4 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE4 | North East | 0.001 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | NE4 | North East | 0.004 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Short-beaked common dolphin | NE4 | North East | 0.011 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | NE4 | North East | 0.025 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | NE4 | North East | 0.007 - 0.009 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE4 | North East | 0.035 - 0.044 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | NE4 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE4 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE4 | North East | 0.021 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | NE4 | North East | 0.0182 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE4 | North East | 0.000 - 0.107 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|----------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| White-beaked dolphin | NE4 | North East | 0.000 - 1.168 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE4 | North East | 0.005 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | NE4 | North East | 0.023 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | NE4 | North East | 0.009 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | NE4 | North East | 0.008 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | NE4 | North East | 0.044 - 0.059 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE4 | North East | 0.091 - 0.123 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE4 | North East | 0.10 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE4 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | NE4 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | NE4 | North East | present | sightings | Evans et al. 2011 | All | 1980-2010 |

Table 8 Marine mammal density estimates using data available within Draft Plan Option site NE5

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE5 | North East | 0.004 - 0.011 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE5 | North East | 0.008 - 0.021 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | NE5 | North East | 0.004 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | NE5 | North East | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE5 | North East | 0.000 - 0.013 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Bottlenose dolphin | NE5 | North East | 0.022 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | NE5 | North East | 0.032 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | NE5 | North East | 0.029 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | NE5 | North East | 0.014 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin | NE5 | North East | 0.0 - 0.1 | dolphins/4x4 km cell | Moray West EIA | All | |
| Bottlenose dolphin | NE5 | North East | 0.43 - 2.05 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | NE5 | North East | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE5 | North East | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE5 | North East | 0.000 - 0.001 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Fin whale | NE5 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE5 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE5 | North East | 0.00 - 0.04 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

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|------------------|-----|------------|----------------|--------------------------|--|--------------|--------------|
| Grey seal | NE5 | North East | 1.790 - 61.444 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE5 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | NE5 | North East | present | sightings | Stone 2019 | All | 1994-2010 |
| Harbour porpoise | NE5 | North East | 0.152 | porpoise/km ² | SCANS III Block S | Jul | 2016 |
| Harbour porpoise | NE5 | North East | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | NE5 | North East | 1 | sighting | HiDef 2015 | Aug-Nov | 2014 |
| Harbour porpoise | NE5 | North East | 0.027 - 0.146 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE5 | North East | 1.709 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Harbour porpoise | NE5 | North East | 1.025 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Harbour porpoise | NE5 | North East | 1.139 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Harbour porpoise | NE5 | North East | 0.671 | porpoise/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | NE5 | North East | 3.33 - 14.19 | porpoise/4x4 km cell | Moray West EIA | All | |
| Harbour porpoise | NE5 | North East | 0.238 - 0.299 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE5 | North East | 0.401 - 0.481 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE5 | North East | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE5 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE5 | North East | 1.5 - 3.0 | porpoise/km ² | Heinanen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE5 | North East | 0.03 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | NE5 | North East | present | sightings | HiDef 2015 | Aug - Nov | 2014 |

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|-------------------------|-----|------------|---------------|------------------------|---|--------------|--------------|
| Harbour seal | NE5 | North East | 0.028 - 0.453 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE5 | North East | 0.0 - 4.0 | seals/4x4 km cell | Moray West EIA | All | |
| Harbour seal | NE5 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE5 | North East | 0.000 - 0.028 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Killer whale | NE5 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE5 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Killer whale | NE5 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Killer whale | NE5 | North East | 0.01 - 0.05 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Long-finned pilot whale | NE5 | North East | 0.000 - 0.063 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Long-finned pilot whale | NE5 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE5 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE5 | North East | 0.01 - 0.20 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | NE5 | North East | 0.009 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Minke whale | NE5 | North East | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | NE5 | North East | 0.000 - 0.009 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE5 | North East | 0.000 - 0.797 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE5 | North East | 0.003 | whales/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Minke whale | NE5 | North East | 0.004 | whales/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Minke whale | NE5 | North East | 0.027 | whales/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |

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|-----------------------------|-----|------------|---------------|--------------------------|--|--------------|--------------|
| Minke whale | NE5 | North East | 0.003 | whales/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Minke whale | NE5 | North East | 0.002 - 0.007 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE5 | North East | 0.008 - 0.019 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE5 | North East | >0.05 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE5 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | NE5 | North East | 0.000 - 0.010 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | NE5 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE5 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE5 | North East | 0.001 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | NE5 | North East | 0.004 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| Short-beaked common dolphin | NE5 | North East | 0.011 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | NE5 | North East | 0.025 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | NE5 | North East | 0.005 - 0.009 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE5 | North East | 0.024 - 0.042 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | NE5 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE5 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE5 | North East | 0.021 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | NE5 | North East | 0.0182 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE5 | North East | 0.000 - 0.109 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|----------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| White-beaked dolphin | NE5 | North East | 0.000 - 0.179 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE5 | North East | 0.005 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | NE5 | North East | 0.023 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | NE5 | North East | 0.009 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | NE5 | North East | 0.008 | dolphins/km ² | Paxton et al 2016 (Moray Firth) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | NE5 | North East | 0.032 - 0.059 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE5 | North East | 0.070 - 0.122 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE5 | North East | 0.10 - 0.15 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE5 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

Table 9 Marine mammal density estimates using data available within Draft Plan Option site NE6

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|------------------------------|-----------------------------------|---------------|--------------|
| Atlantic white-sided dolphin | NE6 | North East | 0.021 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| Atlantic white-sided dolphin | NE6 | North East | 0.05 - 0.12 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Atlantic white-sided dolphin | NE6 | North East | 0.014 - 0.024 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE6 | North East | 0.026 - 0.042 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | NE6 | North East | 0.080 | dolphins/100 km ² | SCANS II Block V design based est | Jul | 2005 |
| Bottlenose dolphin | NE6 | North East | 0.000 - 0.020 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Bottlenose dolphin | NE6 | North East | 0.0 - 0.1 | dolphins/4x4 km cell | Moray West EIA | All | |
| Bottlenose dolphin | NE6 | North East | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | NE6 | North East | 0.002 - 0.004 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE6 | North East | 0.002 - 0.004 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE6 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE6 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE6 | North East | 2.157 - 9.514 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE6 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | NE6 | North East | 0.294 | porpoise/km ² | SCANS II Block V design based est | Jul | 2005 |
| Harbour porpoise | NE6 | North East | 0.402 | porpoise/km ² | SCANS III Block T | Jul | 2016 |
| Harbour porpoise | NE6 | North East | 0.016 - 0.198 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|-------------------------|-----|------------|---------------|--------------------------|---------------------------------------|--------------|--------------|
| Harbour porpoise | NE6 | North East | 0.00 - 27.24 | porpoise/4x4 km cell | Moray West EIA | All | |
| Harbour porpoise | NE6 | North East | 0.177 - 0.205 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE6 | North East | 0.316 - 0.387 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE6 | North East | 0.3-.05 | porpoise/km2 | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE6 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE6 | North East | <0.3 - 0.9 | porpoise/km2 | Heinanen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE6 | North East | 0.03 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | NE6 | North East | 0.006 - 0.030 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE6 | North East | 0.0 - 0.5 | seals/4x4 km cell | Moray West EIA | All | |
| Harbour seal | NE6 | North East | present | | Stone 2015 | All | 1994-2010 |
| Harbour seal | NE6 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE6 | North East | 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE6 | North East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE6 | North East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE6 | North East | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE6 | North East | 0.032 | whales/km ² | SCANS III Block T | Jul | 2016 |
| Minke whale | NE6 | North East | 0.028 | whales/km ² | SCANS II Block V design based est | Jul | 2005 |
| Minke whale | NE6 | North East | 0.040 - 0.102 | whales/km ² | SCANS II Density Surface Model | Jul | 2005 |
| Minke whale | NE6 | North East | 0.000 - 0.011 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|-----------------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| Minke whale | NE6 | North East | 0.000 - 0.218 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | NE6 | North East | 0.004 - 0.011 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE6 | North East | 0.010 - 0.027 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE6 | North East | 0.02 - 0.03 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE6 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | NE6 | North East | 0.000 - 0.020 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | NE6 | North East | 0.000 - 0.010 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | NE6 | North East | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | NE6 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE6 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Risso's dolphin | NE6 | North East | 0.03 - 0.06 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Short-beaked common dolphin | NE6 | North East | 0.009 - 0.010 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE6 | North East | 0.044 - 0.051 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE6 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Sperm whale | NE6 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE6 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE6 | North East | 0.049 | dolphins/km ² | SCANS II Block V design based est | Jul | 2005 |
| White-beaked dolphin | NE6 | North East | 0.037 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| White-beaked dolphin | NE6 | North East | 0.283 - 0.730 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|----------------------|-----|------------|---------------|--------------------------|---|--------------|--------------|
| White-beaked dolphin | NE6 | North East | 0.000 - 0.423 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE6 | North East | 0.058 - 0.069 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE6 | North East | 0.128 - 0.151 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE6 | North East | 0.05 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE6 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | NE6 | North East | 0.25 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

Table 10 Marine mammal density estimates using data available within Draft Plan Option site NE7

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE7 | North East | 0.021 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| Atlantic white-sided dolphin | NE7 | North East | 0.022 - 0.060 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE7 | North East | 0.037 - 0.086 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | NE7 | North East | present | sightings | MARINELife | All | 2008-2019 |
| Atlantic white-sided dolphin | NE7 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Atlantic white-sided dolphin | NE7 | North East | 0.00 - 0.04 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin | NE7 | North East | 0.08 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE7 | North East | 0.09 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE7 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Bottlenose dolphin (offshore) | NE7 | North East | 0.003 - 0.005 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE7 | North East | 0.003 - 0.005 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE7 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE7 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE7 | North East | 0.229 - 5.614 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE7 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | NE7 | North East | 0.402 | porpoise/km ² | SCANS III Block T | Jul | 2016 |
| Harbour porpoise | NE7 | North East | 0.177 | porpoise/km ² | SCANS II Block T Design based estimate | Jul | 2005 |

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|-------------------------|-----|------------|---------------|--------------------------|--|--------------|--------------|
| Harbour porpoise | NE7 | North East | 0.294 | porpoise/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Harbour porpoise | NE7 | North East | 0.000 - 0.118 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE7 | North East | 0.129 - 0.195 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE7 | North East | 0.279 - 0.380 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE7 | North East | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE7 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE7 | North East | 0.06 - 0.08 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | NE7 | North East | 0.002 - 0.006 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE7 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE7 | North East | 0.002 - 0.004 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE7 | North East | 0.001 - 0.004 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | NE7 | North East | 0.002 - 0.005 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE7 | North East | 0.001 - 0.003 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE7 | North East | 0.032 | whales/km ² | SCANS III Block T | Jul | 2016 |
| Minke whale | NE7 | North East | 0.028 | whales/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Minke whale | NE7 | North East | 0.013 | whales/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Minke whale | NE7 | North East | 0.000 - 0.067 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE7 | North East | 0.003 - 0.006 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE7 | North East | 0.006 - 0.014 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |

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|-----------------------------|-----|------------|---------------|-------------------------------|---|--------------|--------------|
| Minke whale | NE7 | North East | 0.02 - 0.04 | whales/km2 | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE7 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | NE7 | North East | 0 - 1 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |
| Risso's dolphin | NE7 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE7 | North East | 0.002 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE7 | North East | 0.007 - 0.009 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE7 | North East | 0.042 - 0.049 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | NE7 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE7 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE7 | North East | 0.037 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| White-beaked dolphin | NE7 | North East | 0.049 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE7 | North East | 0.011 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE7 | North East | 0.000 - 0.496 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | NE7 | North East | 0.000 - 0.502 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE7 | North East | 0.048 - 0.060 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE7 | North East | 0.129 - 0.149 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE7 | North East | 0.10 - 0.20 | dolphins/km2 | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE7 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | NE7 | North East | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |

Table 11 Marine mammal density estimates using data available within Draft Plan Option site NE8

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | NE8 | North East | 0.021 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| Atlantic white-sided dolphin | NE8 | North East | 0.000 - 0.271 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | NE8 | North East | 0.023 - 0.035 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | NE8 | North East | 0.039 - 0.057 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | NE8 | North East | 0.05 - 0.12 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin | NE8 | North East | 0.08 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Bottlenose dolphin | NE8 | North East | 0.09 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Bottlenose dolphin (offshore) | NE8 | North East | 0.003 - 0.004 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | NE8 | North East | 0.003 - 0.004 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | NE8 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | NE8 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | NE8 | North East | 1.620 - 7.507 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | NE8 | North East | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | NE8 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE8 | North East | 0.402 | porpoise/km ² | SCANS III Block T | Jul | 2016 |
| Harbour porpoise | NE8 | North East | 0.294 | porpoise/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Harbour porpoise | NE8 | North East | 0.177 | porpoise/km ² | SCANS II Block T Design based estimate | Jul | 2005 |

| | | | | | | | |
|-------------------------|-----|------------|---------------|--------------------------|---------------------------------------|--------------|--------------|
| Harbour porpoise | NE8 | North East | 0.016 - 0.265 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | NE8 | North East | 0.07 - 0.99 | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | NE8 | North East | 0.00 - 0.03 | individuals/km | Pollock et al. 2000 | Nov-Mar | 1979-1999 |
| Harbour porpoise | NE8 | North East | 0.04 - 0.06 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | NE8 | North East | 0.164 - 0.180 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | NE8 | North East | 0.340 - 0.366 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | NE8 | North East | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | NE8 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Harbour porpoise | NE8 | North East | <0.3 | porpoise/km ² | Heinanen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | NE8 | North East | 0.03 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | NE8 | North East | 0.008 - 0.011 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | NE8 | North East | present | | Stone 2015 | All | 1994-2010 |
| Harbour seal | NE8 | North East | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | NE8 | North East | 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | NE8 | North East | 0.002 - 0.003 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Killer whale | NE8 | North East | 0.06 - 0.16 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Long-finned pilot whale | NE8 | North East | 0.002 - 0.003 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | NE8 | North East | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE8 | North East | 0.032 | whales/km ² | SCANS III Block T | Jul | 2016 |

| | | | | | | | |
|-----------------------------|-----|------------|---------------|--------------------------|--|--------------|--------------|
| Minke whale | NE8 | North East | 0.028 | whales/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| Minke whale | NE8 | North East | 0.013 | whales/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| Minke whale | NE8 | North East | 0.000 - 0.086 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | NE8 | North East | 0.004 - 0.007 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | NE8 | North East | 0.010 - 0.017 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | NE8 | North East | 0.02 - 0.03 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | NE8 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | NE8 | North East | 0.000 - 0.010 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | NE8 | North East | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | NE8 | North East | 0.003 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE8 | North East | 0.009 - 0.010 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | NE8 | North East | 0.049 - 0.052 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | NE8 | North East | 0.00 - 0.10 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Sperm whale | NE8 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | NE8 | North East | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE8 | North East | 0.037 | dolphins/km ² | SCANS III Block T | Jul | 2016 |
| White-beaked dolphin | NE8 | North East | 0.049 | dolphins/km ² | SCANS II Block V Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE8 | North East | 0.011 | dolphins/km ² | SCANS II Block T Design based estimate | Jul | 2005 |
| White-beaked dolphin | NE8 | North East | 0.267 - 0.280 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |

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|----------------------|-----|------------|---------------|-------------------------------|---|--------------|--------------|
| White-beaked dolphin | NE8 | North East | 0.000 - 0.859 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | NE8 | North East | 0.059 - 0.066 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | NE8 | North East | 0.144 - 0.152 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | NE8 | North East | 0.15 - 0.25 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | NE8 | North East | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | NE8 | North East | 0.00 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | NE8 | North East | 0.01 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979–1998 |
| White-beaked dolphin | NE8 | North East | 0 - 6 | Number of individuals sighted | NAMMCO | Jun - Aug | 1989-2009 |

Table 12 Marine mammal density estimates using data available within Draft Plan Option site N1

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | N1 | North | 0.000 - 0.083 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | N1 | North | 0.000 | whales/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Atlantic white-sided dolphin | N1 | North | 0.000 | whales/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Atlantic white-sided dolphin | N1 | North | 0.002 | whales/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Atlantic white-sided dolphin | N1 | North | 0.000 | whales/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Atlantic white-sided dolphin | N1 | North | 0.05 - 0.12 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Atlantic white-sided dolphin | N1 | North | 0.01 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979–1998 |
| Atlantic white-sided dolphin | N1 | North | 0.00 - 0.06 | individuals/km travelled | Pollock et al. 2000 | Jun - Nov | 1979–1999 |
| Atlantic white-sided dolphin | N1 | North | 0.009 - 0.025 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | N1 | North | 0.021 - 0.059 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Beaked whale | N1 | North | 0.006 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Beaked whale | N1 | North | 0 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | N1 | North | 0.000 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Bottlenose dolphin | N1 | North | 0.004 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Bottlenose dolphin | N1 | North | 0.75 | dolphins/100 km ² | SCANS II Block Q | Jul | 2005 |
| Bottlenose dolphin | N1 | North | 0.011 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Bottlenose dolphin | N1 | North | 0.002 | dolphins/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | N1 | North | 0.003 | dolphins/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | N1 | North | 0.003 | dolphins/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | N1 | North | 0.002 | dolphins/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Bottlenose dolphin (offshore) | N1 | North | 0.003 - 0.008 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | N1 | North | 0.002 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | N1 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | N1 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | N1 | North | 0.891 - 40884 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | N1 | North | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | N1 | North | 0.308 | porpoise/km ² | SCANS III Block K | Jul | 2016 |
| Harbour porpoise | N1 | North | 0.152 | porpoise/km ² | SCANS III Block S | Jul | 2016 |

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|-------------------------|----|-------|---------------|--------------------------|---|--------------|--------------|
| Harbour porpoise | N1 | North | 0.067 | porpoise/km ² | SCANS II Block Q | Jul | 2005 |
| Harbour porpoise | N1 | North | 0.274 | porpoise/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Harbour porpoise | N1 | North | 0.000 - 0.058 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | N1 | North | 0.810 | porpoise/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Harbour porpoise | N1 | North | 0.529 | porpoise/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Harbour porpoise | N1 | North | 0.579 | porpoise/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Harbour porpoise | N1 | North | 0.347 | porpoise/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | N1 | North | 0.00 - 0.03 | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | N1 | North | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Nov-Mar | 1979-1999 |
| Harbour porpoise | N1 | North | 0.00 - 0.03 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | N1 | North | 0.171 - 0.217 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | N1 | North | 0.356 - 0.410 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | N1 | North | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | N1 | North | <0.3 | porpoise/km ² | Heinanen & Skov 2015 modelled density | Summer | 2009 |
| Harbour porpoise | N1 | North | <0.25 | porpoise/km ² | Heinanen & Skov 2015 predicted density | Summer | 2009 |
| Harbour porpoise | N1 | North | 0.03 - 0.08 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Harbour seal | N1 | North | 0.027 - 0.433 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | N1 | North | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | N1 | North | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | N1 | North | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Killer whale | N1 | North | 0.17 - 0.66 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Long-finned pilot whale | N1 | North | 0.053 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Long-finned pilot whale | N1 | North | 0 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Long-finned pilot whale | N1 | North | 0.000 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | N1 | North | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | N1 | North | 0.009 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Minke whale | N1 | North | 0.009 | whales/km ² | SCANS III Block S | Jul | 2016 |
| Minke whale | N1 | North | 0.012 | whales/km ² | SCANS II Block Q | Jul | 2005 |
| Minke whale | N1 | North | 0.0223 | whales/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Minke whale | N1 | North | 0.000 - 0.041 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | N1 | North | 0.000 - 1.393 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |

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|-----------------------------|----|-------|---------------|--------------------------|---|--------------|--------------|
| Minke whale | N1 | North | 0.005 | whales/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Minke whale | N1 | North | 0.005 | whales/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Minke whale | N1 | North | 0.028 | whales/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Minke whale | N1 | North | 0.002 | whales/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Minke whale | N1 | North | 0.007 - 0.012 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | N1 | North | 0.017 - 0.035 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | N1 | North | 0.02 - 0.04 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | N1 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| Minke whale | N1 | North | 0.011 - 0.100 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Minke whale | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Risso's dolphin | N1 | North | 0.014 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Risso's dolphin | N1 | North | 0 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| Risso's dolphin | N1 | North | 0.000 - 0.195 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | N1 | North | 0.000 | dolphins/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Risso's dolphin | N1 | North | 0.005 | dolphins/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Risso's dolphin | N1 | North | 0.002 | dolphins/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Risso's dolphin | N1 | North | 0.000 | dolphins/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Risso's dolphin | N1 | North | 0.000 - 0.001 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | N1 | North | 0.003 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Risso's dolphin | N1 | North | 0.13 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Short-beaked common dolphin | N1 | North | 0.01 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| Short-beaked common dolphin | N1 | North | 0.013 | dolphins/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | N1 | North | 0.023 | dolphins/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| Short-beaked common dolphin | N1 | North | 0.066 | dolphins/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | N1 | North | 0.167 | dolphins/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | N1 | North | 0.018 - 0.027 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

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|-----------------------------|----|-------|----------------|--------------------------|---|--------------|--------------|
| Short-beaked common dolphin | N1 | North | 0.075 - 0.115 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |
| Sperm whale | N1 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | N1 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Striped dolphin | N1 | North | 0.004 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Striped dolphin | N1 | North | 0 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | N1 | North | 0.0182 | dolphins/km ² | SCANS II Block J Design based estimate | Jul | 2005 |
| White-beaked dolphin | N1 | North | 0.014 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| White-beaked dolphin | N1 | North | 0.217 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N1 | North | 0.021 | dolphins/km ² | SCANS III Block S | Jul | 2016 |
| White-beaked dolphin | N1 | North | 0.000 - 0.590 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | N1 | North | 0.000 - 14.234 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | N1 | North | 0.002 | dolphins/km ² | Paxton et al 2016 (North) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | N1 | North | 0.008 | dolphins/km ² | Paxton et al 2016 (North) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | N1 | North | 0.003 | dolphins/km ² | Paxton et al 2016 (North) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | N1 | North | 0.003 | dolphins/km ² | Paxton et al 2016 (North) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | N1 | North | 0.064 - 0.098 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | N1 | North | 0.110 - 0.167 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | N1 | North | 0.05 - 0.15 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | N1 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | N1 | North | 0.00 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | N1 | North | 0.00 - 0.06 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | N1 | North | 0.01 - 0.99 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |
| White-beaked dolphin | N1 | North | 0.00 - 0.03 | individuals/km travelled | Pollock et al. 2000 | Nov - Apr | 1979-1999 |
| White-beaked dolphin | N1 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |

Table 13 Marine mammal density estimates using data available within Draft Plan Option site N2

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | N2 | North | 0012 - 0.021 | dolphins/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | N2 | North | 0.032 - 0.053 | dolphins/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Beaked whale | N2 | North | 0.006 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Bottlenose dolphin | N2 | North | 0 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Bottlenose dolphin | N2 | North | 0.75 | dolphins/100 km ² | SCANS II Block Q | Jul | 2005 |
| Bottlenose dolphin | N2 | North | 0.04 - 0.22 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | N2 | North | 0.006 - 0.009 | dolphins/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | N2 | North | 0.006 - 0.009 | dolphins/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Fin whale | N2 | North | 0.000 | whales/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Fin whale | N2 | North | 0.000 | whales/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Grey seal | N2 | North | 1.985 - 5.331 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | N2 | North | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | N2 | North | present | sightings | Pollock et al 2000 | All | 1979-1999 |
| Harbour porpoise | N2 | North | 0.308 | porpoise/km ² | SCANS III Block K | Jul | 2016 |
| Harbour porpoise | N2 | North | 0.067 | porpoise/km ² | SCANS II Block Q | Jul | 2005 |
| Harbour porpoise | N2 | North | 0.000 - 0.030 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | N2 | North | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Apr-Oct | 1979-1999 |
| Harbour porpoise | N2 | North | 0.00 - 0.03 | individuals/km | Weir et al. 2001 | All | 1979-1998 |
| Harbour porpoise | N2 | North | 0.171 - 0.226 | porpoise/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | N2 | North | 0.296 - 0.382 | porpoise/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | N2 | North | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | N2 | North | <0.25 | porpoise/km ² | Heinänen & Skov 2015 predicted density | Summer | 2009 |
| Harbour porpoise | N2 | North | 0.02 - 0.05 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | N2 | North | 0.032 - 0.242 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | N2 | North | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | N2 | North | 0.001 | whales/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Killer whale | N2 | North | 0.001 | whales/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | N2 | North | 0.053 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Long-finned pilot whale | N2 | North | 0.002 - 0.004 | whales/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | N2 | North | 0.001 - 0.002 | whales/km ² | Waggit et al 2020 | Jul | 1980-2018 |

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|-----------------------------|----|-------|---------------|--------------------------|---|--------------|--------------|
| Minke whale | N2 | North | 0.012 | whales/km ² | SCANS II Block Q | Jul | 2005 |
| Minke whale | N2 | North | 0.009 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Minke whale | N2 | North | 0.000 - 0.038 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | N2 | North | 0 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | N2 | North | 0.005 - 0.010 | whales/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Minke whale | N2 | North | 0.010 - 0.024 | whales/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Minke whale | N2 | North | 0.01 - 0.03 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | N2 | North | 0.047 - 1.00 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | N2 | North | 0.014 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Risso's dolphin | N2 | North | 0.000 - 0.255 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | N2 | North | 0.00 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | N2 | North | 0.000 - 0.001 | dolphins/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | N2 | North | 0.003 - 0.005 | dolphins/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Risso's dolphin | N2 | North | 0.07 - 0.12 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Short-beaked common dolphin | N2 | North | 0.01 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| Short-beaked common dolphin | N2 | North | 0.024 - 0.032 | dolphins/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | N2 | North | 0.096 - 0.130 | dolphins/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | N2 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| Sperm whale | N2 | North | 0.000 | whales/km ² | Waggit et al 2020 | Jan | 1980-2018 |
| Sperm whale | N2 | North | 0.000 | whales/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| Striped dolphin | N2 | North | 0.004 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N2 | North | 0.014 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| White-beaked dolphin | N2 | North | 0.217 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N2 | North | 0.127 - 0.185 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | N2 | North | 0.000 - 0.569 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | N2 | North | 0.078 - 0.097 | dolphins/km ² | Waggit et al 2020 | Jan | 1980-2018 |

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|----------------------|----|-------|---------------|--------------------------|-------------------------------------|--------------|--------------|
| White-beaked dolphin | N2 | North | 0.121 - 0.154 | dolphins/km ² | Waggit et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | N2 | North | 0.10 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | N2 | North | 0.00 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | N2 | North | 0.01 - 0.99 | individuals/km travelled | Weir et al. 2001 | All | 1979–1998 |
| White-beaked dolphin | N2 | North | 0.01 - 0.99 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |
| White-beaked dolphin | N2 | North | 0.00 - 0.99 | individuals/km travelled | Pollock et al. 2000 | Nov - Apr | 1979-1999 |
| White-beaked dolphin | N2 | North | present | sightings | Evans et al. 2011 | All | 1980-2010 |

Table 14 Marine mammal density estimates using data available within Draft Plan Option site N3

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|------------------------------|--|---------------|--------------|
| Atlantic white-sided dolphin | N3 | North | 0.000 - 0.051 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | N3 | North | 0.011 - 0.035 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | N3 | North | 0.032 - 0.106 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | N3 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| Atlantic white-sided dolphin | N3 | North | 0.00 - 0.49 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Beaked whale | N3 | North | 0.006 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Bottlenose dolphin | N3 | North | 0.75 | dolphins/100 km ² | SCANS II Block Q | Jul | 2005 |
| Bottlenose dolphin | N3 | North | 0.000 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Bottlenose dolphin | N3 | North | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | N3 | North | 0.006 - 0.025 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | N3 | North | 0.005 - 0.019 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | N3 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | N3 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | N3 | North | 0.00 - 0.02 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Grey seal | N3 | North | 0.222 - 2.970 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | N3 | North | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | N3 | North | 0.067 | porpoise/km ² | SCANS II Block Q | Jul | 2005 |
| Harbour porpoise | N3 | North | 0.308 | porpoise/km ² | SCANS III Block K | Jul | 2016 |
| Harbour porpoise | N3 | North | 0.000 - 0.018 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | N3 | North | 0.126 - 0.191 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | N3 | North | 0.350 - 0.420 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | N3 | North | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | N3 | North | <0.25 | porpoise/km ² | Heinänen & Skov 2015 predicted density | Summer | 2009 |
| Harbour porpoise | N3 | North | 0.00 - 0.02 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | N3 | North | 0.026 - 7.201 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | N3 | North | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | N3 | North | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

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|-----------------------------|----|-------|---------------|--------------------------|---|--------------|--------------|
| Killer whale | N3 | North | 0.001 - 0.002 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | N3 | North | 0.053 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Long-finned pilot whale | N3 | North | 0.000 - 0.246 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Long-finned pilot whale | N3 | North | 0.001 - 0.010 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | N3 | North | 0.000 - 0.006 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | N3 | North | 0.01 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979–1998 |
| Long-finned pilot whale | N3 | North | 0.01 - 0.03 | individuals/km travelled | Pollock et al. 2000 | Jun - Nov | 1979–1999 |
| Minke whale | N3 | North | 0.009 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Minke whale | N3 | North | 0.012 | whales/km ² | SCANS II Block Q | Jul | 2005 |
| Minke whale | N3 | North | 0.000 - 0.013 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | N3 | North | 0.000 - 1.252 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | N3 | North | 0.007 - 0.018 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | N3 | North | 0.015 - 0.046 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | N3 | North | 0.01 - 0.02 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | N3 | North | present | sightings | Weir et al. 2001 | All | 1979–1998 |
| Minke whale | N3 | North | present | sightings | Pollock et al. 2000 | All | 1979–1999 |
| Risso's dolphin | N3 | North | 0.014 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Risso's dolphin | N3 | North | 0.000 - 0.765 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | N3 | North | 0.00 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | N3 | North | 0.001 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | N3 | North | 0.004 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Risso's dolphin | N3 | North | 0.13 - 0.14 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Risso's dolphin | N3 | North | present | sightings | Weir et al. 2001 | All | 1979–1998 |
| Risso's dolphin | N3 | North | present | sightings | Pollock et al. 2000 | All | 1979–1999 |
| Short-beaked common dolphin | N3 | North | 0.01 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| Short-beaked common dolphin | N3 | North | 0.036 - 0.071 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | N3 | North | 0.138 - 0.252 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | N3 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

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|----------------------|----|-------|---------------|--------------------------|---|--------------|--------------|
| Sperm whale | N3 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Striped dolphin | N3 | North | 0.004 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N3 | North | 0.014 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| White-beaked dolphin | N3 | North | 0.217 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N3 | North | 0.000 - 0.870 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | N3 | North | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | N3 | North | 0.074 - 0.105 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | N3 | North | 0.104 - 0.147 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | N3 | North | 0.05 - 0.20 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | N3 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| White-beaked dolphin | N3 | North | 0.00 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | N3 | North | 0.01 -0.99 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | N3 | North | 0.01 - 1.00+ | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |
| White-beaked dolphin | N3 | North | 0.01 - 0.06 | individuals/km travelled | Pollock et al. 2000 | Nov - Apr | 1979-1999 |

Table 15 Marine mammal density estimates using data available within Draft Plan Option site N4

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|--------------------------------|---------------------------|----------------------|--------------|
| Atlantic white-sided dolphin | N4 | North | 0.125 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Atlantic white-sided dolphin | N4 | North | 0.003 - 0.009 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | N4 | North | 0.008 - 0.027 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | N4 | North | present | sightings | Stone 2015 | All | 1994-2010 |
| Atlantic white-sided dolphin | N4 | North | 0.00 - 0.04 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Atlantic white-sided dolphin | N4 | North | 0.01 - 0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979–1998 |
| Atlantic white-sided dolphin | N4 | North | 0.01 - 0.03 | individuals/km travelled | Pollock et al. 2000 | Jun - Nov | 1979–1999 |
| Beaked whale | N4 | North | 0.006 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Beaked whale | N4 | North | 0.009 | whales/km ² | SCANS III Block J | Jul | 2016 |
| Bottlenose dolphin | N4 | North | 0.75 | dolphins/100 km ² | SCANS II Block Q | Jul | 2005 |
| Bottlenose dolphin | N4 | North | 0.005 | dolphins/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | N4 | North | 0.011 | dolphins/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | N4 | North | 0.011 | dolphins/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | N4 | North | 0.005 | dolphins/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin | N4 | North | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Bottlenose dolphin | N4 | North | 0.00 - 0.03 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Bottlenose dolphin (offshore) | N4 | North | 0.001 - 0.006 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | N4 | North | 0.001 - 0.006 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | N4 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | N4 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | N4 | North | 1.264 - 8.047 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | N4 | North | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | N4 | North | present | sightings | Pollock et al 2000 | All | 1979-1999 |
| Harbour porpoise | N4 | North | 0.067 | porpoise/km ² | SCANS II Block Q | Jul | 2005 |
| Harbour porpoise | N4 | North | 0.308 | porpoise/km ² | SCANS III Block K | Jul | 2016 |
| Harbour porpoise | N4 | North | 0.058 | porpoise/km ² | SCANS III Block J | Jul | 2016 |
| Harbour porpoise | N4 | North | 0.000 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | N4 | North | 0.760 | porpoise/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |

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|-------------------------|----|-------|----------------|--------------------------------|---|----------------------|--------------|
| Harbour porpoise | N4 | North | 0.597 | porpoise/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| Harbour porpoise | N4 | North | 0.760 | porpoise/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| Harbour porpoise | N4 | North | 0.434 | porpoise/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | N4 | North | 0.01 - 0.03 | individuals/km | Pollock et al. 2000 | Nov-Mar | 1979-1999 |
| Harbour porpoise | N4 | North | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Harbour porpoise | N4 | North | 0.218 - 0.254 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | N4 | North | 0.371 - 0.463 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | N4 | North | 0.1-0.3 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | N4 | North | 0.51 - 1.0 | porpoise/km ² | Heinänen & Skov 2015 predicted density | Summer | 2009 |
| Harbour porpoise | N4 | North | 0.06 - 0.08 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | N4 | North | top 50% | predicted density | Booth et al 2013 acoustic data | Apr - Sep | 2004 - 2010 |
| Harbour seal | N4 | North | 0.128 - 10.185 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | N4 | North | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Humpback whale | N4 | North | absent | presence/absence | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Killer whale | N4 | North | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Killer whale | N4 | North | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | N4 | North | 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | N4 | North | 0.053 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Long-finned pilot whale | N4 | North | 0.002 | whales/km ² | SCANS III Block J | Jul | 2016 |
| Long-finned pilot whale | N4 | North | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | N4 | North | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | N4 | North | 0.012 | whales/km ² | SCANS II Block Q | Jul | 2005 |
| Minke whale | N4 | North | 0.009 | whales/km ² | SCANS III Block K | Jul | 2016 |
| Minke whale | N4 | North | 0.018 | whales/km ² | SCANS III Block J | Jul | 2016 |
| Minke whale | N4 | North | 0.000 - 0.463 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | N4 | North | 0.011 | whales/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |
| Minke whale | N4 | North | 0.011 | whales/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| Minke whale | N4 | North | 0.054 | whales/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| Minke whale | N4 | North | 0.005 | whales/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| Minke whale | N4 | North | 0.00 - 0.03 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Minke whale | N4 | North | 0.005 - 0.009 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |

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|-----------------------------|----|-------|---------------|--------------------------------|---|----------------------|-----------|
| Minke whale | N4 | North | 0.015 - 0.028 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | N4 | North | 0.01 - 0.02 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Risso's dolphin | N4 | North | 0.014 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Risso's dolphin | N4 | North | 0.192 | dolphins/km ² | SCANS III Block J | Jul | 2016 |
| Risso's dolphin | N4 | North | 0.183 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Risso's dolphin | N4 | North | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | N4 | North | 0.000 | dolphins/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |
| Risso's dolphin | N4 | North | 0.011 | dolphins/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| Risso's dolphin | N4 | North | 0.005 | dolphins/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| Risso's dolphin | N4 | North | 0.000 | dolphins/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| Risso's dolphin | N4 | North | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Risso's dolphin | N4 | North | 0.001 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | N4 | North | 0.003 - 0.006 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | N4 | North | 0.01 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| Short-beaked common dolphin | N4 | North | 0.00 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| Short-beaked common dolphin | N4 | North | 0.133 | dolphins/km ² | SCANS III Block J | Jul | 2016 |
| Short-beaked common dolphin | N4 | North | 0.038 | dolphins/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | N4 | North | 0.049 | dolphins/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| Short-beaked common dolphin | N4 | North | 0.109 | dolphins/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | N4 | North | 0.320 | dolphins/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | N4 | North | 0.00 - 0.05 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Short-beaked common dolphin | N4 | North | 0.017 - 0.030 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | N4 | North | 0.066 - 0.113 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | N4 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | N4 | North | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Striped dolphin | N4 | North | 0.004 | dolphins/km ² | SCANS III Block K | Jul | 2016 |

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|----------------------|----|-------|---------------|--------------------------------|---|----------------------|--------------|
| Striped dolphin | N4 | North | 0.000 | dolphins/km ² | SCANS III Block J | Jul | 2016 |
| White-beaked dolphin | N4 | North | 0.014 | dolphins/km ² | SCANS II Block Q | Jul | 2005 |
| White-beaked dolphin | N4 | North | 0.217 | dolphins/km ² | SCANS III Block K | Jul | 2016 |
| White-beaked dolphin | N4 | North | 0.053 | dolphins/km ² | SCANS III Block J | Jul | 2016 |
| White-beaked dolphin | N4 | North | 0.38 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | N4 | North | 0.000 - 3.484 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | N4 | North | 0.043 | dolphins/km ² | Paxton et al 2016 (Lewis) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | N4 | North | 0.185 | dolphins/km ² | Paxton et al 2016 (Lewis) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | N4 | North | 0.076 | dolphins/km ² | Paxton et al 2016 (Lewis) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | N4 | North | 0.054 | dolphins/km ² | Paxton et al 2016 (Lewis) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | N4 | North | 0.00 - 0.14 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| White-beaked dolphin | N4 | North | 0.030 - 0.070 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | N4 | North | 0.044 - 0.098 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | N4 | North | 0.05 - 0.10 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | N4 | North | 0.25 - 0.93 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | N4 | North | 0.01-0.03 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | N4 | North | 0.01 - 0.03 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |

Table 16 Marine mammal density estimates using data available within Draft Plan Option site W1

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|--------|-------------------|--------------------------------|------------------------------------|----------------------|--------------|
| Atlantic white-sided dolphin | W1 | West | 0.002 - 0.007 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | W1 | West | 0.005 - 0.024 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Atlantic white-sided dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Islay | All | 2010 |
| Atlantic white-sided dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | All | 2010 |
| Bottlenose dolphin | W1 | West | 0.008 | dolphins/km ² | SCANS II Block N | Jul | 2005 |
| Bottlenose dolphin | W1 | West | 0.121 | dolphins/km ² | SCANS III Block G | Jul | 2016 |
| Bottlenose dolphin | W1 | West | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Bottlenose dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Islay | All | 2010 |
| Bottlenose dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | All | 2010 |
| Bottlenose dolphin (offshore) | W1 | West | 0.002 - 0.008 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | W1 | West | 0.001 - 0.009 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Common dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Islay | Winter | 2010 |
| Common dolphin | W1 | West | 0.01 | dolphins/km ² | Paxton et al (2016) Islay | Spring | 2010 |
| Common dolphin | W1 | West | 0.02 | dolphins/km ² | Paxton et al (2016) Islay | Summer | 2010 |
| Common dolphin | W1 | West | 0.09 | dolphins/km ² | Paxton et al (2016) Islay | autumn | 2010 |
| Common dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | Winter | 2010 |
| Common dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | Spring | 2010 |
| Common dolphin | W1 | West | 0.02 | dolphins/km ² | Paxton et al (2016) Sound of Islay | Summer | 2010 |
| Common dolphin | W1 | West | 0.03 | dolphins/km ² | Paxton et al (2016) Sound of Islay | autumn | 2010 |
| Dolphin species | W1 | West | 1.2 | mean DPH | MarPAMM - Colonsay | May-Oct | 2019 |
| Dolphin species | W1 | West | 0 | min DPH | MarPAMM - Colonsay | May-Oct | 2019 |

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|------------------|----|------|-----------------|--|--|----------------------|--------------|
| Dolphin species | W1 | West | 9 | Max DPD | MarPAMM - Colonsay | May-Oct | 2019 |
| Dolphin species | W1 | West | 1.23 | average detection positive hours per day | MarPAMM Colonsay | May-Nov | 2019 |
| Fin whale | W1 | West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | W1 | West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | W1 | West | 1.003 - 179.817 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | W1 | West | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Harbour porpoise | W1 | West | 0.193 - 0.271 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | W1 | West | 0.353 - 0.461 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | W1 | West | 0.394 | porpoise/km ² | SCANS II Block N | Jul | 2005 |
| Harbour porpoise | W1 | West | 0.336 | porpoise/km ² | SCANS III Block G | Jul | 2016 |
| Harbour porpoise | W1 | West | 0.000 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | W1 | West | 12.7 | mean DPH | MarPAMM - Colonsay | May-Oct | 2019 |
| Harbour porpoise | W1 | West | 0 | min DPH | MarPAMM - Colonsay | May-Oct | 2019 |
| Harbour porpoise | W1 | West | 23 | Max DPD | MarPAMM - Colonsay | May-Oct | 2019 |
| Harbour porpoise | W1 | West | 0.00 - 0.23 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Harbour porpoise | W1 | West | 0.1-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | W1 | West | 1.51 - 3.0 | porpoise/km ² | Heinanan & Skov 2015 predicted density | Summer | 2009 |
| Harbour porpoise | W1 | West | 0.00 - 0.02 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour porpoise | W1 | West | 12.7 | average detection positive hours per day | MarPAMM Colonsay | May-Nov | 2019 |
| Harbour porpoise | W1 | West | 0.62 | porpoise/km ² | Paxton et al (2016) Islay | Winter | 2010 |
| Harbour porpoise | W1 | West | 0.38 | porpoise/km ² | Paxton et al (2016) Islay | Spring | 2010 |
| Harbour porpoise | W1 | West | 0.53 | porpoise/km ² | Paxton et al (2016) Islay | Summer | 2010 |
| Harbour porpoise | W1 | West | 0.29 | porpoise/km ² | Paxton et al (2016) Islay | autumn | 2010 |
| Harbour porpoise | W1 | West | 0.87 | porpoise/km ² | Paxton et al (2016) Sound of Islay | Winter | 2010 |
| Harbour porpoise | W1 | West | 0.52 | porpoise/km ² | Paxton et al (2016) Sound of Islay | Spring | 2010 |

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|-------------------------|----|------|---------------|--------------------------------|---|----------------------|-----------|
| Harbour porpoise | W1 | West | 0.7 | porpoise/km2 | Paxton et al (2016) Sound of Islay | Summer | 2010 |
| Harbour porpoise | W1 | West | 0.35 | porpoise/km2 | Paxton et al (2016) Sound of Islay | autumn | 2010 |
| Harbour seal | W1 | West | 0.456 - 3.866 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | W1 | West | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Humpback whale | W1 | West | absent | presence/absence | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Killer whale | W1 | West | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Killer whale | W1 | West | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | W1 | West | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | W1 | West | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | W1 | West | 0.000 - 0.001 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | W1 | West | 0.003 - 0.012 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | W1 | West | 0.011 - 0.032 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | W1 | West | 0.027 | whales/km ² | SCANS III Block G | Jul | 2016 |
| Minke whale | W1 | West | 0.000 - 0.013 | whales/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Minke whale | W1 | West | 0.000 - 2.923 | whales/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Minke whale | W1 | West | 0.00 - 0.12 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Minke whale | W1 | West | 0.01 - 0.02 | whales/km2 | SCANS III predicted density surface | Jul | 2016 |
| Minke whale | W1 | West | 0 | whales/km ² | Paxton et al (2016) Islay | Winter | 2010 |
| Minke whale | W1 | West | 0.01 | whales/km ² | Paxton et al (2016) Islay | Spring | 2010 |
| Minke whale | W1 | West | 0.05 | whales/km ² | Paxton et al (2016) Islay | Summer | 2010 |
| Minke whale | W1 | West | 0 | whales/km ² | Paxton et al (2016) Islay | autumn | 2010 |
| Minke whale | W1 | West | 0 | whales/km ² | Paxton et al (2016) Sound of Islay | Winter | 2010 |
| Minke whale | W1 | West | 0 | whales/km ² | Paxton et al (2016) Sound of Islay | Spring | 2010 |
| Minke whale | W1 | West | 0.02 | whales/km ² | Paxton et al (2016) Sound of Islay | Summer | 2010 |
| Minke whale | W1 | West | 0 | whales/km ² | Paxton et al (2016) Sound of Islay | autumn | 2010 |
| Risso's dolphin | W1 | West | 0.000 - 0.001 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | W1 | West | 0.002 - 0.005 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |

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|-----------------------------|----|------|---------------|--------------------------------|---|----------------------|--------------|
| Risso's dolphin | W1 | West | 0.000 - 0.237 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | W1 | West | 0.00 - 0.01 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Risso's dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Islay | All | 2010 |
| Risso's dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | All | 2010 |
| Short-beaked common dolphin | W1 | West | 0.076 | dolphins/km ² | SCANS II Block N | Jul | 2005 |
| Short-beaked common dolphin | W1 | West | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| Short-beaked common dolphin | W1 | West | 0.023 - 0.056 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | W1 | West | 0.063 - 0.178 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | W1 | West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | W1 | West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | W1 | West | 0.027 - 0.054 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | W1 | West | 0.017 - 0.061 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | W1 | West | 0.318 | dolphins/km ² | SCANS II Block N | Jul | 2005 |
| White-beaked dolphin | W1 | West | 0.000 - 0.116 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| White-beaked dolphin | W1 | West | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | W1 | West | 0.00 | sightings per unit effort (km) | HWDT | All (mainly Apr-Oct) | 2003-2019 |
| White-beaked dolphin | W1 | West | 0.00 - 0.10 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |
| White-beaked dolphin | W1 | West | 0.00 - 0.24 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| White-beaked dolphin | W1 | West | 0.00 - 0.01 | individuals/km travelled | Weir et al. 2001 | All | 1979-1998 |
| White-beaked dolphin | W1 | West | 0.00 - 0.03 | individuals/km travelled | Pollock et al. 2000 | May-Oct | 1979-1999 |
| White-beaked dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Islay | All | 2010 |
| White-beaked dolphin | W1 | West | 0 | dolphins/km ² | Paxton et al (2016) Sound of Islay | All | 2010 |

Table 17 Marine mammal density estimates using data available within Draft Plan Option site SW1

| Species | Draft Plan Option | Region | Density/sightings | Density/sightings unit | Density source | Data Month(s) | Data year(s) |
|-------------------------------|-------------------|------------|-------------------|--------------------------|----------------------------------|---------------|--------------|
| Atlantic white-sided dolphin | SW1 | South West | 0.000 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Atlantic white-sided dolphin | SW1 | South West | 0.001 - 0.010 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Bottlenose dolphin | SW1 | South West | 0.0052 | dolphins/km ² | SCANS II Block O | Jul | 2005 |
| Bottlenose dolphin | SW1 | South West | 0.008 | dolphins/km ² | SCANS III Block E | Jul | 2016 |
| Bottlenose dolphin | SW1 | South West | 0.004 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| Bottlenose dolphin | SW1 | South West | 0.004 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |
| Bottlenose dolphin | SW1 | South West | 0.004 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| Bottlenose dolphin | SW1 | South West | 0.004 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| Bottlenose dolphin (offshore) | SW1 | South West | 0.000 - 0.003 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Bottlenose dolphin (offshore) | SW1 | South West | 0.001 - 0.005 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Fin whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Fin whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Grey seal | SW1 | South West | 0.696 - 9.905 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Grey seal | SW1 | South West | present | telemetry tracks | SMRU telemetry data | All | 1988-2018 |
| Grey seal | SW1 | South West | present | sightings | MARINELife | All | 2008-2019 |
| Harbour porpoise | SW1 | South West | 0.335 | porpoise/km ² | SCANS II Block O | Jul | 2005 |
| Harbour porpoise | SW1 | South West | 0.239 | porpoise/km ² | SCANS III Block E | Jul | 2016 |

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|-------------------------|-----|------------|---------------|--------------------------|-------------------------------------|--------------|--------------|
| Harbour porpoise | SW1 | South West | 0.041 - 0.124 | porpoise/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Harbour porpoise | SW1 | South West | 0.523 | porpoise/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| Harbour porpoise | SW1 | South West | 0.262 | porpoise/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |
| Harbour porpoise | SW1 | South West | 0.349 | porpoise/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| Harbour porpoise | SW1 | South West | 0.218 | porpoise/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| Harbour porpoise | SW1 | South West | 0.309 - 0.377 | porpoise/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Harbour porpoise | SW1 | South West | 0.432 - 0.463 | porpoise/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Harbour porpoise | SW1 | South West | 0.3-0.5 | porpoise/km ² | SCANS III predicted density surface | Jul | 2016 |
| Harbour porpoise | SW1 | South West | present | sightings | MARINELife | All | 2008-2019 |
| Harbour porpoise | SW1 | South West | 0.03 - 0.05 | average encounter rate | Baxter et al. 2011 | Not reported | Not reported |
| Harbour seal | SW1 | South West | 0.075 - 3.866 | seals/5x5 km cell | Russell et al 2017 | Annual | 1991-2015 |
| Harbour seal | SW1 | South West | present | | MARINELife | All | 2008-2019 |
| Harbour seal | SW1 | South West | present | telemetry tracks | SMRU telemetry data | All | 2001-2018 |
| Killer whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Killer whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Long-finned pilot whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Long-finned pilot whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | SW1 | South West | 0.0236 | whales/km ² | SCANS II Block O | Jul | 2005 |
| Minke whale | SW1 | South West | 0.017 | whales/km ² | SCANS III Block E | Jul | 2016 |

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|-----------------------------|-----|------------|---------------|--------------------------|---|-------------|-----------|
| Minke whale | SW1 | South West | 0.000 | whales/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| Minke whale | SW1 | South West | 0.004 | whales/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |
| Minke whale | SW1 | South West | 0.013 | whales/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| Minke whale | SW1 | South West | 0.000 | whales/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| Minke whale | SW1 | South West | 0.002 - 0.006 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Minke whale | SW1 | South West | 0.010 - 0.021 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Minke whale | SW1 | South West | 0.02 - 0.04 | whales/km ² | SCANS III predicted density surface | Jul | 2016 |
| Risso's dolphin | SW1 | South West | 0.031 | dolphins/km ² | SCANS III Block E | Jul | 2016 |
| Risso's dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| Risso's dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| Risso's dolphin | SW1 | South West | 0.004 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |
| Risso's dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| Risso's dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| Risso's dolphin | SW1 | South West | 0.000 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Risso's dolphin | SW1 | South West | 0.001 - 0.002 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Short-beaked common dolphin | SW1 | South West | 0.000 - 0.046 | dolphins/standard hour | Reid et al 2003 | Annual | 1979-1997 |
| Short-beaked common dolphin | SW1 | South West | 0.0081 | dolphins/km ² | SCANS II Block O | Jul | 2005 |
| Short-beaked common dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| Short-beaked common dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |

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|-----------------------------|-----|------------|---------------|--------------------------|---|-------------|-----------|
| Short-beaked common dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| Short-beaked common dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| Short-beaked common dolphin | SW1 | South West | 0.015 - 0.031 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Short-beaked common dolphin | SW1 | South West | 0.046 - 0.099 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| Sperm whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| Sperm whale | SW1 | South West | 0.000 | whales/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | SW1 | South West | 0.0016 | dolphins/km ² | SCANS II Block O | Jul | 2005 |
| White-beaked dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2014 Observed adjusted densities | Annual | 1994-2012 |
| White-beaked dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Winter 2010 | 1994-2010 |
| White-beaked dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Spring 2010 | 1994-2010 |
| White-beaked dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Summer 2010 | 1994-2010 |
| White-beaked dolphin | SW1 | South West | 0.000 | dolphins/km ² | Paxton et al 2016 (Solway Firth) | Autumn 2010 | 1994-2010 |
| White-beaked dolphin | SW1 | South West | 0.010 - 0.028 | dolphins/km ² | Waggitt et al 2020 | Jan | 1980-2018 |
| White-beaked dolphin | SW1 | South West | 0.011 - 0.031 | dolphins/km ² | Waggitt et al 2020 | Jul | 1980-2018 |
| White-beaked dolphin | SW1 | South West | 0.00 - 0.05 | dolphins/km ² | SCANS III predicted density surface | Jul | 2016 |