



Spiorad na Mara Offshore Wind Farm

Offshore Project

Environmental Impact Assessment Report

Annex 14.2.1: Ornithology Displacement Data, Volume 2c

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1 ORNITHOLOGY DISPLACEMENT DATA

1.1.1.1 **Table 1-1** to **Table 1-6** show the abundance estimates within the Displacement Study Area (as defined in **Appendix 14.2: Displacement Report, Volume 2c**) for each species for each month of survey. The respective seasons are represented by different colours:

- Orange for breeding;
- Blue for post-breeding;
- Green for non-breeding;
- Red for pre-breeding.

1.1.1.2 Hatched cells signify where bio-seasons are split across the month, with the outgoing season represented by base colour and the incoming season represented by hatch colour. Peak abundance counts for each season are outlined in yellow. These peak abundances have been utilised within **Table 2-3** of **Appendix 14.2, Volume 2c**.

1.1.1.3 The MRSea abundance estimate tables use design-based estimates during the months where counts were too low to produce MRSea estimates. These substitute values are shown in **bold** in **Table 1-1** to **Table 1-6**. MRSea modelling was not carried out for red-throated diver or great northern diver however no **bold** numbers are presented as all are design-based for these two species.

Table 1-1: Kittiwake abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	18	27	43	0	26	10	9	354	246	44	951	402
Year 2	230	18	0	0	26	0	0	27	35	74	8	183
MRSea-based abundance estimates												
Year 1	19	30	43	0	29	10	9	367	187	43	996	409
Year 2	319	18	7	0	23	0	0	32	45	66	8	325

Table 1-2: Guillemot abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	1,670	285	330	22	393	111	3,815	316	37	36	205	206
Year 2	499	372	149	142	217	505	1,308	74	23	79	394	309
MRSea-based abundance estimates												
Year 1	1,448	334	318	14	357	121	3,901	333	72	61	248	229

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Year 2	545	396	137	129	171	611	1,421	80	24	100	368	313

Table 1-3: Razorbill abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	964	81	31	0	91	44	595	0	0	0	0	99
Year 2	11	26	0	41	13	666	207	45	0	0	102	406
MRSea-based abundance estimates												
Year 1	908	94	36	0	95	44	613	0	0	0	0	112
Year 2	35	21	6	34	13	725	321	44	0	0	123	389

Table 1-4: Puffin abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	10	81	0	0	7,406	44	462	71	0	0	0	0
Year 2	0	326	31	84	304	524	251	185	20	0	12	0
MRSea-based abundance estimates												
Year 1	10	73	0	0	7,369	33	428	71	0	1	0	0
Year 2	0	283	34	119	280	464	320	201	24	0	12	0

Table 1-5: Red-throated diver abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	0	0	0	8	0	0	0	0	0	0	0	0
Year 2	0	0	0	0	0	0	0	8	0	0	0	8

Table 1-6: Great northern diver abundance estimates within the Displacement Study Area¹

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	37	17	0	0	0	0	0	0	0	26	0	9
Year 2	9	0	17	0	0	0	0	0	9	9	17	0

¹ Great northern diver do not breed in the UK and therefore no breeding season is defined.

Table 1-7: Gannet abundance estimates within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Design-based abundance estimates												
Year 1	18	273	26	114	262	694	106	328	18	0	35	0
Year 2	9	114	90	210	197	36	78	0	0	9	9	0
MRSea-based abundance estimates												
Year 1	17	285	32	116	261	682	124	316	18	0	49	0
Year 2	20	67	76	180	180	60	155	0	0	9	9	0