

The logo for Ossian, featuring the word "Ossian" in a white, serif font. To the right of the text is a stylized graphic consisting of three concentric, curved lines that resemble a signal or a wave.

Marubeni

CIP
Copenhagen Infrastructure Partners

Appendix 11.3, Annex A: Offshore Ornithology Displacement Data

Array EIA Report

2024

Revision	Comments	Author	Checker	Approver
FINAL	Final	RPS/NIRAS	RPS	RPS

Approval for Issue		
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1. ORNITHOLOGY DISPLACEMENT DATA

- Table 1.1 to Table 1.6 show the abundance estimates for each month of survey. Each season is shown in a different colour (green for pre-breeding, blue for breeding, red for post-breeding, and yellow for non-breeding) and peak counts are shown in a darker shade of that colour. Hatched cells are split across two seasons, with the respective seasons used for the base and hatch colour.
- Please note: 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 *italic* in Table 1.1 to Table 1.6.

Table 1.1: Kittiwake Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	187	480	3,239	1,322	30	30	60	80	129	175	70	102
Year 2	291	40	338	311	2,094	201	11	62	1,181	41	41	189
MRSea Abundance Estimates												
Year 1	893	220	3,829	1,140	30	30	60	80	129	175	70	102
Year 2	268	40	402	469	2,536	757	11	62	958	41	41	181

Table 1.2: Guillemot Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	1,995	16,342	12,034	2,092	5,535	2,549	14,409	1,572	2,945	2,512	1,880	5,753
Year 2	3,816	7,976	4,851	3,185	41,466	77,377	783	3,073	9,554	2,007	1,095	1,330
MRSea Abundance Estimates												
Year 1	1,818	13,494	11,270	2,471	9,711	2,649	11,301	1,835	3,232	2,488	1,995	7,245
Year 2	4,184	8,466	6,051	3,349	40,999	85,380	1,057	3,276	10,079	2,144	1,132	1,360

Table 1.3: Razorbill Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	266	1,323	224	640	607	32	0	2	0	49	42	35
Year 2	134	310	77	145	3,119	3,038	0	248	226	0	0	135
MRSea Abundance Estimates												
Year 1	313	713	307	605	1,231	32	0	2	0	49	42	35
Year 2	134	344	146	145	3,984	2,953	0	260	226	0	0	135

Table 1.4: Puffin Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	1,053	766	2,188	848	288	83	416	105	0	15	64	461
Year 2	455	960	708	179	900	2,494	796	257	121	141	0	376
MRSea Abundance Estimates												
Year 1	993	516	1,833	1,150	257	83	266	105	0	15	64	334
Year 2	280	753	649	179	590	2,023	641	206	121	141	0	376

Table 1.5: Fulmar Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	18	275	496	1,314	481	446	616	122	509	492	182	249
Year 2	90	210	80	954	3,197	169	402	87	361	883	367	181
MRSea Abundance Estimates												
Year 1	18	188	265	1,031	375	375	850	122	587	415	182	266
Year 2	90	258	104	887	2,833	169	368	87	297	927	282	180

Table 1.6: Gannet Abundance Estimates Within the Displacement Study Area

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Design Based Abundance Estimates												
Year 1	31	319	1,006	586	2,267	211	453	682	21	0	0	30
Year 2	91	192	774	419	284	395	89	152	62	30	0	10
MRSea Abundance Estimates												
Year 1	31	529	826	516	1,962	177	556	1,382	21	0	0	30
Year 2	54	188	824	353	247	423	89	169	62	30	0	10

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