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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		
For and on behalf of Ossian OWFL	Paul Darnbrough	28 June 2024

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CONTENTS

TABLES

1. ORNITHOLOGY DISPLACEMENT DATA

1. 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.
2. 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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