



Bowdun Offshore Wind Farm, Offshore EIA Report

Volume 3, Technical Appendix 11.1, Annex A: Raw
Counts of All Bird Observations in the Digital
Aerial Surveys

TWP-BOW-RPS-OFE-RPT-00088 | April 2026



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This annex contains the raw counts of all birds captured in the Digital Aerial Surveys (DAS) for the Proposed Development, in alphabetical order. The numbers are provided for both the DAS Area (E3 POA plus a 12 km buffer) for all months and the Extended DAS Area (DAS Area extended to the Aberdeenshire coastline) for April to August (inclusive) for both years. For the purpose of cross-checking the abundance estimates in other annexes, the raw counts can be divided by the approximate coverage across all surveys, which is 17.5% for both the DAS Area and the Extended DAS Area. To improve readability of the tables, hyphens are used to indicate instances when no individuals of a particular species were observed.

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Table A1.1: First Year Monthly Bird Counts of All Taxa Recorded (Excluding Decreased Birds) Within the DAS Area

Taxon	2022						2023						Total
	March	April	May	June	July	August	September	October	November	December	January	February	
Common Scoter	-	-	-	-	-	-	-	-	-	-	-	-	0
Common Eider	-	1	-	-	-	-	-	-	-	-	-	-	1
Mallard	-	-	-	-	-	-	-	-	-	-	-	-	0
Red-breasted Merganser	-	-	-	-	-	-	-	-	-	-	-	-	0
Canada Goose	-	-	-	-	-	-	-	-	-	-	-	-	0
Great Northern Diver	-	-	-	-	-	-	-	-	-	-	-	-	0
Red-throated Diver	-	-	-	-	-	-	-	-	-	-	-	-	0
Fulmar	122	37	99	516	650	110	111	18	362	165	244	129	2,563
Manx Shearwater	-	4	1	1	3	1	-	-	-	-	-	-	10
Sooty Shearwater	-	-	-	-	-	-	-	1	-	-	-	-	1
European Storm Petrel	-	-	1	-	-	-	-	-	-	-	-	-	1
Leach's Storm Petrel	-	-	-	-	-	-	-	1	-	-	-	-	1
Gannet	126	416	491	794	207	54	417	126	16	49	4	17	2,717
Cormorant	-	-	-	-	-	-	-	-	-	-	-	-	0

Taxon	2022						2023						Total
	March	April	May	June	July	August	September	October	November	December	January	February	
European Shag	-	-	-	-	-	-	-	-	-	-	-	-	0
Great Skua	-	-	-	-	-	1	1	1	-	-	-	-	3
Arctic Skua	-	-	-	-	-	-	-	-	-	-	-	-	0
Kittiwake	373	1,278	359	1,987	2,641	3,636	189	403	173	118	95	306	11,558
Great Black-backed Gull	4	-	-	5	-	2	-	12	22	54	3	2	104
Lesser Black-backed Gull	-	2	-	6	10	5	-	-	-	-	-	-	23
Herring Gull	2	1	13	843	658	805	1	37	5	82	-	9	2,456
Common Gull	-	-	1	1	4	71	2	8	-	-	-	-	89
Black-headed Gull	-	-	-	1	-	-	-	-	-	-	-	-	1
Little Gull	-	-	-	-	-	-	-	2	-	-	-	-	2
Arctic Tern	-	10	1	-	-	153	-	-	-	-	-	-	164
Common Tern	-	-	2	-	-	1	-	-	-	-	-	-	3
Sandwich Tern	-	-	2	-	-	-	-	-	-	-	-	-	2
Guillemot	11,422	3,936	8,871	5,746	11,348	19,250	2,505	2,438	253	797	345	2,204	69,115
Razorbill	318	717	194	521	806	6,426	317	188	108	261	31	408	10,295
Puffin	59	49	31	39	50	591	676	6	7	8	5	79	1,600

Taxon	2022						2023						Total
	March	April	May	June	July	August	September	October	November	December	January	February	
Black Guillemot	1	-	-	-	-	-	-	1	-	-	-	-	2
Little Auk	-	-	-	-	-	-	-	-	-	-	-	1	1
Golden Plover	-	2	-	-	-	-	-	-	-	-	-	-	2
Grey Plover	-	-	-	-	-	-	-	-	-	-	-	-	0
Grey Heron	-	-	-	-	-	2	-	-	-	-	-	-	2
Snipe	-	-	-	-	-	-	-	-	-	-	-	-	0
Curlew	-	-	-	-	-	-	-	-	-	-	-	-	0
Oystercatcher	-	-	-	-	-	1	-	-	-	-	-	-	1
Redshank	-	-	-	-	-	-	-	-	-	-	-	-	0
Diver species	1	-	-	-	-	-	-	-	-	-	-	-	1
Duck species	-	-	-	-	-	-	-	-	-	-	-	-	0
Fulmar/Gull species	-	-	-	1	35	21	3	-	1	3	-	-	64
Small Shearwater species	-	-	-	-	-	1	1	-	-	-	-	-	2
Shearwater species	-	-	-	-	-	1	-	-	-	-	-	-	1
Auk/Shearwater species	0	64	15	13	15	8	3	-	-	-	-	-	118

Taxon	2022						2023						Total
	March	April	May	June	July	August	September	October	November	December	January	February	
Storm Petrel species	-	-	-	-	-	-	-	-	-	-	-	-	0
Cormorant/Shag	-	-	-	-	-	-	-	-	-	-	-	-	0
Skua species	-	-	-	-	-	-	-	-	-	-	-	-	0
Small Gull species	-	-	-	1	1	8	1	5	-	1	-	1	18
Black-backed Gull species	-	-	-	1	2	-	-	-	-	-	-	-	3
Large Gull species	1	-	-	6	1	30	1	1	-	1	-	-	41
Gull species	-	1	1	3	6	33	-	-	-	-	-	2	46
Commic Tern	-	3	3	-	-	199	-	-	-	-	-	-	205
Commic/Roseate Tern	-	-	-	-	-	-	-	-	-	-	-	-	0
Tern species	-	-	1	-	-	-	-	-	-	-	-	-	1
Guillemot/Razorbill	490	384	250	299	366	1,013	1,346	358	76	374	156	118	5,230
Auk species	69	85	44	21	39	40	122	9	19	8	6	37	499
Wader species	-	-	-	-	-	12	-	-	-	-	-	-	12
Passerine species	-	-	-	-	-	-	-	67	-	-	-	-	67

Taxon	2022						2023						Total
	March	April	May	June	July	August	September	October	November	December	January	February	
Unidentified Bird species	8	33	18	3	14	12	15	6	1	1	1	4	116
Grand Total	12,996	7,023	10,398	10,808	16,856	32,487	5,711	3,688	1,043	1,922	891	3,319	107,142

Table A1.2: Second Year Monthly Bird Counts of All Bird Taxa Recorded (Excluding Deceased Birds) Within the DAS Area

Taxon	2023											2024		Total		
	March	April	May	June	July	August	September	October	November	December	January	February	Year 1	Year 2	Overall	
Common Scoter	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
Common Eider	-	1	-	-	-	-	-	-	-	-	-	-	1	1	2	
Mallard	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
Red-breasted Merganser	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
Canada Goose	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	
Great Northern Diver	-	-	-	-	-	-	-	-	1	-	-	-	0	1	1	
Red-throated Diver	-	3	-	-	-	-	5	-	1	1	-	-	0	10	10	
Fulmar	179	717	124	93	82	229	210	72	78	235	183	80	2,563	2,282	4,845	
Manx Shearwater	-	2	-	3	-	1	-	-	-	-	-	-	10	6	16	
Sooty Shearwater	-	-	-	-	-	-	1	2	-	-	-	-	1	3	4	
European Storm Petrel	-	-	-	-	-	15	18	9	-	-	-	-	1	42	43	
Leach's Storm Petrel	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1	
Gannet	5	345	159	200	177	341	354	153	16	-	2	2	2,717	1,754	4,471	
Cormorant	-	-	8	-	7	-	-	-	-	-	-	-	0	0	0	

Taxon	2023										2024		Total		
	March	April	May	June	July	August	September	October	November	December	January	February	Year 1	Year 2	Overall
European Shag	-	-	-	2	-	-	-	-	-	-	-	-	0	2	2
Great Skua	-	1	-	-	-	-	-	1	-	-	-	-	3	2	5
Arctic Skua	-	-	1	-	-	2	2	-	-	-	-	-	0	5	5
Kittiwake	494	394	1,026	1,146	253	340	34	41	33	17	19	20	11,558	3,817	15,375
Great Black-backed Gull	4	-	1	6	-	-	-	-	11	27	4	5	104	58	162
Lesser Black-backed Gull	-	24	-	13	-	-	-	-	-	-	-	-	23	37	60
Herring Gull	4	8	9	1,489	-	5	-	-	17	5	15	2	2,456	1,554	4,010
Common Gull	2	-	1	2	3	-	-	5	5	-	20	-	89	38	127
Black-headed Gull	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
Little Gull	-	-	-	-	-	-	-	2	-	-	-	-	2	2	4
Arctic Tern	-	9	7	-	174	168	-	-	-	-	-	-	164	358	522
Common Tern	-	-	-	-	-	-	-	-	-	-	-	-	3	0	3
Sandwich Tern	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
Guillemot	2,425	7,522	8,249	8,664	487	1,011	631	140	299	361	575	101	69,115	30,465	99,580
Razorbill	607	328	414	588	202	217	100	36	56	16	56	59	10,295	2,679	12,974
Puffin	44	86	130	277	59	843	477	382	29	4	21	5	1,600	2,357	3,957

Taxon	2023										2024		Total		
	March	April	May	June	July	August	September	October	November	December	January	February	Year 1	Year 2	Overall
Black Guillemot	-	-	-	1	-	-	-	-	-	-	-	-	2	1	3
Little Auk	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
Grey Plover	-	-	-	-	-	2	-	-	-	-	-	-	0	2	2
Golden Plover	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
Grey Heron	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2
Snipe	-	-	-	-	-	-	-	20	-	-	-	-	0	20	20
Curlew	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Oystercatcher	-	-	-	-	-	8	-	-	-	-	-	-	1	8	9
Redshank	-	-	-	-	-	43	-	-	-	-	-	-	0	43	43
Diver species	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
Duck species	-	-	-	-	-	-	6	-	-	-	-	-	0	6	6
Fulmar/Gull species	6	2	1	4	0	0	1	0	6	9	-	1	64	30	94
Small Shearwater species	-	-	-	-	-	-	1	-	-	-	-	-	2	1	3
Shearwater species	-	-	-	-	-	1	1	-	-	-	-	-	1	2	3
Auk/Shearwater species	-	2	8	16	-	4	9	1	-	-	-	-	118	40	158

Taxon	2023										2024		Total		
	March	April	May	June	July	August	September	October	November	December	January	February	Year 1	Year 2	Overall
Storm Petrel species	-	-	-	3	-	24	3	-	-	-	-	-	0	30	30
Cormorant/Shag	-	1	-	-	-	1	-	-	-	-	-	-	0	2	2
Skua species	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0
Small Gull species	-	4	2	1	-	-	-	-	-	-	6	-	18	13	31
Black-backed Gull species	-	-	-	-	-	-	-	-	-	-	-	-	3	0	3
Large Gull species	-	-	-	9	-	-	-	-	1	1	-	-	41	11	52
Gull species	-	-	-	3	-	1	-	-	11	-	-	-	46	15	61
Commic Tern	-	21	2	-	21	35	-	-	-	-	-	-	205	79	284
Commic/Roseate Tern	-	-	-	-	27	-	-	-	-	-	-	-	0	27	27
Tern species	-	-	-	-	-	-	-	-	-	-	-	-	1	0	1
Guillemot/Razorbill	281	231	517	427	81	35	201	49	87	178	306	116	5,230	2,509	7,739
Auk species	53	22	29	45	24	91	67	12	4	5	29	24	499	405	904
Wader species	-	-	3	-	3	-	-	-	-	-	-	-	12	6	18
Passerine species	-	-	-	-	-	-	-	10	-	-	-	-	67	10	77

Taxon	2023										2024		Total		
	March	April	May	June	July	August	September	October	November	December	January	February	Year 1	Year 2	Overall
Unidentified Bird species	11	7	2	16	10	10	7	11	2	2	1	4	116	83	199
Grand Total	4,115	9,730	10,685	13,008	1,603	3,427	2,128	946	657	861	1,237	419	107,142	48,816	155,958

Table A1.3: Monthly Bird Counts of All Bird Taxa Recorded (Excluding Deceased Birds) for the Extended DAS Area. Only Months (April to August) for Which the Full Extended DAS Area was Flown are Presented

Taxon	2022					2023					Total		
	April	May	June	July	August	April	May	June	July	August	Year 1	Year 2	Overall
Common Scoter	-	-	15	-	-	-	-	-	-	-	15	0	15
Common Eider	46	24	70	42	44	13	37	77	86	83	226	296	522
Mallard	-	-	-	-	-	-	-	-	-	6	0	6	6
Red-breasted Merganser	1	-	-	-	-	-	-	-	-	2	1	2	3
Canada Goose	-	-	-	-	-	-	5	-	-	-	0	5	5
Great Northern Diver	-	-	-	-	-	1	-	-	-	-	0	1	1
Red-throated Diver	1	9	-	1	-	9	9	1	2	-	11	21	32
Fulmar	100	178	556	712	153	781	184	140	119	276	1,699	1,500	3,199
Manx Shearwater	4	2	16	7	1	6	11	3	-	5	30	25	55
Sooty Shearwater	-	-	-	-	-	-	-	-	-	3	0	3	3
European Storm Petrel	-	1	-	-	-	-	-	-	-	15	1	15	16
Leach's Storm Petrel	-	-	-	-	-	-	-	-	-	-	0	0	0
Gannet	461	1,035	1,282	308	104	422	313	223	325	485	3,190	1,768	4,958
Cormorant	-	-	4	-	1	-	5	-	5	-	5	10	15
European Shag	-	-	3	1	-	-	-	5	-	-	4	5	9
Great Skua	-	1	-	2	1	1	-	-	3	-	4	4	8
Arctic Skua	-	-	-	1	-	-	1	-	1	2	1	4	5

Taxon	2022					2023					Total		
	April	May	June	July	August	April	May	June	July	August	Year 1	Year 2	Overall
Kittiwake	2,529	2,728	6,258	4,574	9,382	2,001	3,052	1,965	1,432	922	25,471	9,372	34,843
Great Black-backed Gull	10	6	19	4	16	9	9	14	5	5	55	42	97
Lesser Black-backed Gull	3	4	13	15	12	26	-	16	-	-	47	42	89
Herring Gull	279	1,941	2,158	1,640	1,572	738	553	1,987	700	588	7,590	4,566	12,156
Common Gull	31	18	15	8	186	68	27	18	8	-	258	121	379
Black-headed Gull	-	3	13	7	95	38	3	2	-	-	118	43	161
Little Gull	-	-	-	-	-	-	-	-	-	-	0	0	0
Arctic Tern	10	3	-	5	157	16	8	4	348	328	175	704	879
Common Tern	-	5	0	-	1	-	-	2	1	-	6	3	9
Sandwich Tern	3	9	-	8	5	-	15	6	0	7	104	31	135
Guillemot	10,885	24,156	15,146	16,698	23,984	17,487	20,557	15,006	1,688	2,332	90,869	57,070	147,939
Razorbill	2,891	2,178	1,430	1,582	9,117	1,835	1,665	2,740	1,308	1,367	17,309	9,014	26,323
Puffin	146	84	118	91	651	165	215	403	131	1,910	1,090	2,824	3,914
Black Guillemot	3	-	-	-	-	-	-	5	-	-	3	5	8
Little Auk	-	-	-	-	-	-	-	-	-	-	0	0	0
Grey Plover	-	-	-	-	-	-	-	-	-	2	0	2	2
Golden Plover	2	-	-	-	-	-	-	-	-	-	2	0	2
Grey Heron	-	-	-	-	2	-	-	-	-	-	2	0	2

Taxon	2022					2023					Total		
	April	May	June	July	August	April	May	June	July	August	Year 1	Year 2	Overall
Snipe	-	-	-	-	-	-	-	-	-	-	0	0	0
Curlew	-	-	-	-	1	-	-	-	-	-	1	0	1
Oystercatcher	-	-	-	-	8	-	-	-	1	8	8	9	17
Redshank	-	-	-	-	-	-	-	-	-	43	0	43	43
Diver species	-	-	-	-	-	-	-	-	-	-	0	0	0
Duck species	-	1	47	-	2	-	-	-	-	-	50	0	50
Fulmar/Gull species	-	-	3	41	26	4	5	34	1	1	70	45	115
Small Shearwater species	-	-	-	-	1	-	-	-	3	-	1	3	4
Shearwater species	-	-	-	-	-	-	-	-	-	1	1	1	2
Auk/Shearwater species	103	72	73	26	10	8	17	54	47	13	284	139	423
Storm Petrel species	-	-	-	-	-	-	-	3	-	25	0	28	28
Cormorant/Shag	43	11	5	10	5	12	4	40	9	38	74	103	177
Skua species	-	-	-	2	-	-	-	-	-	-	2	0	2
Small Gull species	5	5	2	3	21	11	7	9	1	-	53	28	81
Black-backed Gull species	-	-	2	2	-	2	-	-	-	-	4	2	6
Large Gull species	5	3	12	4	48	-	-	15	2	3	72	20	92
Gull species	9	14	7	14	81	1	3	10	2	1	125	17	142
Commic Tern	4	7	5	2	212	22	9	-	34	87	230	152	382

Taxon	2022					2023					Total		
	April	May	June	July	August	April	May	June	July	August	Year 1	Year 2	Overall
Commic/Roseate Tern	-	-	-	-	-	-	-	-	27	-	0	27	27
Tern species	-	6	-	-	-	-	-	-	-	-	7	0	7
Guillemot/Razorbill	1,433	1,216	651	621	1,659	1,024	1,428	1,282	269	109	5,580	4,112	9,692
Auk species	190	136	99	65	55	59	71	120	78	177	545	505	1,050
Wader species	-	-	-	-	12	-	3	-	3	-	12	6	18
Passerine species	-	-	-	-	-	-	-	-	-	-	0	0	0
Unidentified Bird species	135	59	23	24	17	12	4	145	32	17	258	210	468
Grand Total	19,331	33,914	28,044	26,519	47,643	24,771	28,220	24,328	6,665	8,861	155,451	92,845	248,296

Table A1.4: Deceased Birds Recorded During Digital Aerial Surveys Within the DAS Area

Taxon	2022									2023						2024		Total
	March	April	May	June	July	August	September	November	January	May	June	July	August	September	October	January	February	
Common Eider	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fulmar	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Gannet	1	3	33	116	51	95	3	-	-	-	3	-	-	-	-	-	305	
Great Skua	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
Kittiwake	-	-	-	-	-	4	-	-	-	1	-	76	11	-	-	-	92	
Herring Gull	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	5	
Fulmar/ Gull species	-	-	-	-	9	16	2	-	1	-	15	81	45	-	-	-	169	
Small Gull species	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	
Large Gull species	-	-	-	-	2	2	-	-	-	-	-	5	-	-	-	-	9	
Gull species	1	-	-	-	1	6	-	-	-	-	-	-	-	-	-	-	8	
Guillemot/Razorbill	-	1	1	-	2	62	-	-	-	1	2	98	39	133	21	-	360	
Auk species	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	
Swan species	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Unidentified Bird species	3	1	1	-	3	17	2	-	-	2	2	94	25	98	3	2	254	
Grand Total	5	6	37	116	70	206	7	1	1	4	22	354	122	231	24	2	1,209	

Table A1.5: Deceased Birds Recorded During Digital Aerial Surveys Within the Extended DAS Area. Only Months (April to August) for Which the Full Extended DAS Area was Flown are Presented

Taxon	2022					2023					Grand Total
	April	May	June	July	August	April	May	June	July	August	
Common Eider	1	1	0	0	0	0	0	0	0	0	2
Fulmar	0	0	0	0	7	0	1	1	108	14	131
Gannet	0	1	0	2	2	0	0	0	8	0	13
Great Skua	3	40	140	60	106	0	1	4	2	0	356
Kittiwake	0	1	0	0	0	0	1	0	0	0	2
Herring Gull	0	0	5	1	11	0	0	0	1	0	18
Fulmar/ Gull species	0	0	0	13	25	0	1	24	111	83	257
Small Gull species	0	0	0	1	1	0	0	0	0	0	2
Large Gull species	0	0	4	3	3	0	0	1	3	0	14
Gull species	2	1	0	3	68	0	4	3	132	69	282
Guillemot/Razorbill	0	0	0	0	0	0	0	0	0	1	1
Auk species	0	0	0	0	0	0	0	0	1	1	2
Swan species	2	4	3	6	20	1	5	3	128	49	221
Unidentified Bird species	0	0	0	0	0	0	0	0	1	1	2
Grand Total	8	48	152	89	243	1	13	36	494	217	1,301