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Volume 8 Additional Information

Appendix 13: Ornithology Apportioning Results (Caledonia OWF)

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Acronyms and Abbreviations

MD-LOT	Marine Directorate – Licensing Operations Team
OWF	Offshore Wind Farm
RIAA	Report to Inform Appropriate Assessment
SPA	Special Protection Area

1 Introduction

- 1.1.1.1 This appendix provides the updated information on the seasonal apportioning of seabirds (breeding season) for the full lists of colonies and non-designated sites for the Proposed Development (Offshore), located in the Moray Firth, Scotland. This includes designated colonies, specifically those associated with Special Protection Areas (SPAs) and non-designated colonies and forms part of the addendums submitted in response to the Marine Directorate – Licensing Operations Team (MD-LOT) request for Additional Information (dated 17 July 2025).
- 1.1.1.2 The approach by which distributional response (see Volume 7B, Appendix 6-2: Offshore Ornithology Distributional Responses Technical Report) and collision (see Volume 7B, Appendix 6-3: Offshore Ornithology Collision Risk Modelling Technical Report) mortalities are apportioned to relevant sites is detailed within Volume 8, Appendix 10: Ornithology Apportioning Technical Report (Caledonia OWF).

2 Results

2.1 Kittiwake

2.1.1.1 Table 2-1 provides the kittiwake breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-1: Kittiwake breeding season apportioning calculations based on the NatureScot Apportionment methodology.

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Designated Sites Screened in for Assessment								
East Caithness - Cliffs SPA*		48,958	53.90	2,904.82	63.44	0.02	3.039	0.483
North Caithness SPA	Duncansby Head	1,176	59.54	3,545.25	77.94	0.01	0.049	0.008
	Dunnet Head 2	146	80.11	6,416.81	77.63	0.01	0.003	0.001
	Dunnet Head 3	6,826	81.41	6,627.91	77.36	0.01	0.152	0.024
	Holburn Head 2	74	92.81	8,612.77	75.75	0.01	0.001	<0.001
	Holburn Head 3	2	93.71	8,782.13	75.65	0.01	<0.001	<0.001
	Little Clett	10	78.57	6,173.09	77.62	0.01	<0.001	<0.001
	Melvich 1	510	111.50	12,433.14	74.12	0.01	0.006	0.001
	Melvich 2	178	112.30	12,610.84	73.92	0.01	0.002	<0.001
	Melvich 3	3,644	113.24	12,824.20	73.85	0.01	0.044	0.007
	Sandside Head 1	3,168	109.52	11,993.97	74.38	0.01	0.041	0.006
	Sandside Head 2	1,024	110.66	12,246.30	74.34	0.01	0.013	0.002
	Skirza Head	1,138	56.22	3,160.80	77.57	0.01	0.053	0.008

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
	Stacks of Duncansby	564	57.96	3,359.01	76.23	0.01	0.025	0.004
	Stroma Island	148	66.14	4,374.37	78.37	0.01	0.005	0.001
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	4,786	61.81	3,820.85	65.40	0.02	0.219	0.035
	Crovie to Collie Head	1,516	59.40	3,528.60	64.28	0.02	0.076	0.012
	More Head-Crovie Pier (+Craigandargity skerry)	224	59.87	3,584.54	63.64	0.02	0.011	0.002
	Pennan Head	1,110	61.14	3,737.49	65.10	0.02	0.052	0.008
	Troup & Lion's Head RSPB (Coast & Reserve)	19,706	59.63	3,555.38	64.65	0.02	0.981	0.156
	West Quarry Head	2	62.26	3,876.56	65.45	0.02	<0.001	<0.001
Copinsay SPA	-	670	80.66	6,505.71	81.91	0.01	0.014	0.002

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Hoy SPA	Hoy RSPB Reserve	76	96.10	9,234.25	80.09	0.01	0.001	<0.001
	HOY17	456	82.72	6,843.26	79.12	0.01	0.010	0.002
	HOY8	18	97.69	9,543.53	80.40	0.01	<0.001	<0.001
	Old Man of Hoy to Rora Head	58	95.73	9,163.28	80.11	0.01	0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	27,094	103.83	10,781.29	64.67	0.02	0.445	0.071
Rousay SPA	Rousay 1 - RSPB	464	123.20	15,177.50	83.59	0.01	0.004	0.001
	Rousay 11	108	121.42	14,743.30	83.99	0.01	0.001	<0.001
	Rousay 12	60	120.14	14,433.38	84.04	0.01	0.001	<0.001
	Rousay 4	306	125.63	15,782.65	83.86	0.01	0.003	<0.001
	Rousay 7	12	124.09	15,397.58	84.11	0.01	<0.001	<0.001
	Rousay 8	12	123.42	15,231.51	84.11	0.01	<0.001	<0.001
Marwick Head SPA	-	2,878	117.52	13,810.48	82.40	0.01	0.029	0.005

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Calf of Eday SPA	Calf of Eday	286	119.24	14,217.22	85.16	0.01	<0.001	<0.001
	Eday 1	6	117.89	13,897.34	85.16	0.01	<0.001	<0.001
	Eday 20	32	121.12	14,670.05	85.26	0.01	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	2,972	134.14	17,993.27	85.46	0.01	0.022	0.004
	West Westray 1	24	135.06	18,240.66	85.53	0.01	<0.001	<0.001
	West Westray 4	3,166	132.31	17,505.41	85.41	0.01	0.024	0.004
	West Westray 5	990	131.07	17,178.30	85.33	0.01	0.008	0.001
	West Westray 6	852	134.14	17,993.27	85.46	0.01	0.022	0.004
Fowlsheugh SPA	Fowlsheugh RSPB	30,966	161.48	26,075.79	53.88	0.02	0.252	0.040
	Swallow Cove - Crawton	4,312	163.22	26,641.42	53.65	0.02	0.035	0.005
	Thornyhive Bay	3,342	160.10	25,631.05	54.00	0.02	0.028	0.004
	Tremuda/Old Hall Bay	1,536	159.37	25,399.75	54.09	0.02	0.013	0.002

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Cape Wrath SPA	An Garbh-Eilean	72	169.08	28,588.05	76.55	0.01	<0.001	<0.001
	Cape Wrath 3	24	175.59	30,832.90	76.82	0.01	<0.001	<0.001
	Cape Wrath 4	586	176.10	31,010.86	76.95	0.01	0.003	<0.001
	Clo Mor 10	918	172.48	29,749.70	76.50	0.01	0.005	0.001
	Clo Mor 11	654	173.88	30,232.86	76.43	0.01	0.003	0.001
	Clo Mor 5	196	169.12	28,602.25	76.47	0.01	0.001	<0.001
	Clo Mor 7	1,360	169.69	28,795.71	76.47	0.01	0.007	0.001
	Clo Mor 8	510	170.71	29,140.20	76.43	0.01	0.003	<0.001
	Clo Mor 9	2,296	171.68	29,474.37	76.39	0.01	0.012	0.002
	Sandwood Bay - Geodha Ruadh na Fola	40	184.6	34,078.27	76.25	0.01	<0.001	<0.001
Fair Isle SPA	-	896	161.00	25,919.71	90.74	0.01	0.004	0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Sumburgh Head SPA	Geo of Parks to Jarlshof	294	202.45	40,986.81	94.27	0.01	0.001	<0.001
	Grutness Pier to Greystane Geo	141	202.98	41,199.26	94.28	0.01	<0.001	<0.001
	Sandwick to Virkie: Boddam to Virkie within SPA	2	205.71	42,315.37	94.42	0.01	<0.001	<0.001
	Sumburgh Head	254	201.97	40,791.88	94.22	0.01	0.001	<0.001
Foula SPA	-	1,193	222.53	49,512.93	94.43	0.01	0.003	<0.001
North Rona and Sula Sgeir SPA	North Rona	894	234.43	54,955.08	84.51	0.01	0.002	<0.001
	Sula Sgeir	530	252.62	63,814.84	85.23	0.01	0.001	<0.001
Forth Islands SPA	Bass Rock	1,346	261.70	68,484.80	40.24	0.02	0.006	0.001
	Craighleith	1,320	263.34	69,349.01	39.10	0.03	0.006	0.001
	Fidra	664	264.61	70,017.39	38.29	0.03	0.003	<0.001
	Isle of May	10,886	248.45	61,724.92	42.45	0.02	0.048	0.008
Noss SPA	-	154	239.58	57,396.18	95.55	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
St Abb's Head to Fast Castle SPA	Broadhaven to Moorburn Point	886	272.19	74,087.40	44.72	0.02	0.003	<0.001
	Moorburn Point to Fast Castle	264	271.77	73,861.11	44.38	0.02	0.001	<0.001
	St Abb's Head NNR	10,842	273.36	74,725.69	44.99	0.02	0.037	0.006
Handa SPA	-	9,178	209.44	43,865.53	72.68	0.01	0.033	0.005
Shiant Isles SPA	Eilean an Taighe	248	291.10	84,739.21	69.00	0.01	<0.001	<0.001
	Eilean Mhuire	1,364	289.34	83,714.74	68.95	0.01	0.003	<0.001
	Galta Beag Group	386	292.18	85,367.98	69.07	0.01	0.001	<0.001
	Galta Mor Group	134	292.88	85,779.28	69.26	0.01	<0.001	<0.001
	Garbh Eilean	186	290.85	84,593.72	69.07	0.01	<0.001	<0.001
Hermaness, Saxa Vord and Valla Field SPA	Hermaness	154	319.56	102,118.59	98.57	0.01	<0.001	<0.001
	Muckle Flugga	12	318.31	101,321.89	98.74	0.01	<0.001	<0.001
	Norwick Hevda to Hols Hellier	24	321.00	103,039.72	98.72	0.01	<0.001	<0.001
	Saxavord	188	321.04	103,068.61	98.73	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Additional Colonies and Non-designated Sites								
Berwick to Scottish Border	Berwick 3	2,120	287.29	82,536.69	45.03	0.02	0.007	0.001
	Berwick 4	934	283.47	80,357.51	45.28	0.02	0.003	<0.001
Bigton to Maywick	Griskerry to Taing of Maywick	44	217.09	47,126.33	94.95	0.01	<0.001	<0.001
Bressay	HU5139 ÔÇô SKUA/GBBG	54	236.18	55,779.10	94.81	0.01	<0.001	<0.001
	The Ord	92	232.86	54,221.45	94.61	0.01	<0.001	<0.001
Brough of Birsay	Brough of Birsay	2	120.42	14,500.74	82.84	0.01	<0.001	<0.001
Burn of Daff	Black Slough to Burn of Daff	606	145.92	21,292.35	56.56	0.02	0.006	0.001
	Burn of Daff to Newtonhill	1,580	147.85	21,859.62	56.17	0.02	0.015	0.002

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Butt of Lewis to Gress - Lewis	Buaile nan Caorach	186	255.43	65,242.44	79.56	0.01	<0.001	<0.001
	Lobaid	42	252.71	63,863.35	76.75	0.01	<0.001	<0.001
	Spainneavaig	196	250.67	62,834.95	79.26	0.01	<0.001	<0.001
	Tom Loch Bacavat	70	250.56	62,782.32	77.85	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	-	90	45.85	2,102.13	74.38	0.01	0.007	0.001
Carr Craig, Eyebroughy and Haystack	Inchcolm	132	291.75	85,120.40	30.04	0.03	0.001	<0.001
	Inchkeith	804	282.91	80,039.20	32.45	0.03	0.004	0.001
Catterline to Inverbervie	Darn Bay	20	169.74	28,811.67	52.53	0.02	<0.001	<0.001
	Kineff	222	168.63	28,434.73	52.76	0.02	0.002	<0.001
	Little John's Haven	12	168.97	28,552.21	52.66	0.02	<0.001	<0.001
	Rouen Bay	348	166.96	27,875.64	53.02	0.02	0.003	<0.001
	Swirl Cove	83	167.41	28,025.10	52.95	0.02	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
	The Slainges	1,934	166.21	27,626.43	53.15	0.02	0.015	0.002
	Whistleberry	862	167.90	28,189.07	52.85	0.02	0.007	0.001
	Yellow Ark	244	170.19	28,963.96	52.42	0.02	0.002	<0.001
Costa Head	-	46	126.64	16,036.93	83.44	0.01	<0.001	<0.001
Dale to Huxter	-	2	242.85	58,978.07	94.72	0.01	<0.001	<0.001
Deerness	-	10	84.40	7,122.85	82.19	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	Am Balg	296	188.04	35,357.91	75.74	0.01	0.001	<0.001
	Droman - Sandwood Bay	5	193.58	37,471.67	74.80	0.01	<0.001	<0.001
	Sandwood Bay Stack	26	187.96	35,330.47	75.46	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Eye Peninsula - Lewis	Bagh a Tuath	48	259.01	67,087.22	73.92	0.01	<0.001	<0.001
	Chicken Head	20	265.70	70,597.02	73.55	0.01	<0.001	<0.001
	Eilean Mor Bayble	30	262.73	69,024.95	73.91	0.01	<0.001	<0.001
	Rubh' a' Chaise	104	261.55	68,405.79	73.99	0.01	<0.001	<0.001
	Rubha Deas	14	256.82	65,953.94	74.00	0.01	<0.001	<0.001
	Stac Shurardail	56	267.08	71,330.66	73.62	0.01	<0.001	<0.001
	Tiumpnan Head	62	255.04	65,043.36	74.27	0.01	<0.001	<0.001
Eyemouth to Burnmouth	Eyemouth to Burnmouth 1	120	278.28	77,436.98	45.21	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 2	342	277.42	76,962.97	45.27	0.02	0.001	<0.001
	Eyemouth to Burnmouth 3	12	277.44	76,972.95	45.25	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 4	124	277.17	76,822.65	45.27	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 5	228	276.97	76,711.83	45.30	0.02	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
	Eyemouth to Burnmouth 6	316	276.75	76,588.35	45.32	0.02	0.001	<0.001
	Eyemouth to Burnmouth 7	276	276.62	76,519.73	45.35	0.02	0.001	<0.001
Eynhallow	-	76	121.54	14,771.73	83.45	0.01	0.001	<0.001
Faraid Head/ Balnakeil	Faraid Head 2	60	164.00	26,897.31	75.52	0.01	<0.001	<0.001
	Faraid Head 3	364	163.43	26,708.38	75.47	0.01	0.002	<0.001
	Faraid Head 4	232	163.20	26,633.59	75.39	0.01	0.001	<0.001
Farne Islands SPA	Farne Islands	5,790	300.95	90,570.90	48.52	0.02	0.015	0.002
Fethaland to North Roe	Lanyar Taing to Lotaki Kame	4	295.01	87,032.08	97.72	0.01	<0.001	<0.001
Fetlar	-	128	296.47	87,896.83	97.68	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Fetlar SPA	Big Holm to Moo Wick	124	287.18	82,474.65	98.01	0.01	<0.001	<0.001
	Funzie Bay to Wick of Aith	12	289.26	83,673.08	97.60	0.01	<0.001	<0.001
	Kliffs to Big Holm	24	288.77	83,386.96	98.01	0.01	<0.001	<0.001
	Lamb Hoga	134	289.89	84,037.37	98.05	0.01	<0.001	<0.001
	Strandburgh Ness	68	293.04	85,870.68	98.02	0.01	<0.001	<0.001
Findon Ness - Hare Ness	Findon Ness to Black Slough	160	143.98	20,728.80	57.00	0.02	0.002	<0.001
	Hare Ness to Seal's Cove	1,624	141.59	20,048.29	57.39	0.02	0.016	0.003
	Seal's Cove to Findon Ness	570	142.91	20,422.98	57.18	0.02	0.006	0.001
Firth of Forth SPA	Dunbar Coast	2,310	267.89	71,762.37	41.02	0.02	0.009	0.001
Fitful	Siggarr Ness	132	203.86	41,557.27	94.24	0.01	<0.001	<0.001
Fraserburgh	Fraserburgh Harbour	162	64.52	4,162.70	67.90	0.01	0.007	0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Girdle Ness to Hare Ness	Cove Bay	2,646	139.08	19,342.69	57.87	0.02	0.027	0.004
	Cove to Hare Ness	722	140.20	19,654.92	57.65	0.02	0.007	0.001
	Greg Ness - Seals Hole	782	136.89	18,738.32	58.32	0.02	0.008	0.001
Green Holms	-	64	108.41	11,752.94	83.89	0.01	0.001	<0.001
Hall Bay to Craigeven Bay	-	158	152.74	23,330.42	55.17	0.02	0.001	<0.001
Heylor to Stenness	Calders Geo	72	267.40	71,500.62	96.92	0.01	<0.001	<0.001
	Ockran Head and Hamnavoe	152	272.43	74,217.56	97.36	0.01	<0.001	<0.001
Holm	-	22	81.89	6,706.63	81.50	0.01	<0.001	<0.001
Hopeman Bay	-	1,398	75.71	5,732.46	50.96	0.02	0.055	0.009
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	-	44	200.45	40,180.20	94.10	0.01	<0.001	<0.001
Horse of Copinsay	-	314	81.79	6,689.11	82.04	0.01	0.007	0.001

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Howick - Cullornose Point - Dunstanburgh Castle Point	Cullernose Point	184	320.67	102,829.25	47.31	0.02	<0.001	<0.001
	Dunstanburgh Castle	628	317.40	100,741.49	47.53	0.02	0.002	<0.001
	Howick	1,280	321.27	103,214.41	47.26	0.02	0.003	<0.001
Hoy and Southwalls	-	66	77.01	5,931.16	79.65	0.01	0.002	<0.001
Huxter to Brindister	Brough Skerries to Corn Head	1	251.15	63,077.83	94.43	0.01	<0.001	<0.001
	Neap of Norby to The Kamer	38	248.66	61,833.78	96.67	0.01	<0.001	<0.001
	Staraster to Shaabers Head	42	255.24	65,145.93	95.77	0.01	<0.001	<0.001
	The Kamer to Bay of Garth	8	249.85	62,423.52	94.56	0.01	<0.001	<0.001
Lunan Bay to Arbroath	Auchmithie	7	203.31	41,335.36	46.19	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 1	204	207.43	43,028.03	45.48	0.02	0.001	<0.001
	Whiting Ness to Ethie Haven 4	864	204.71	41,907.00	45.97	0.02	0.005	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Heylor to Stenness	-	65	265.66	70,574.70	97.25	0.01	<0.001	<0.001
Vaila	-	44	237.05	56,190.81	93.41	0.01	<0.001	<0.001
Maryick to Scalloway	-	10	220.49	48,614.96	95.22	0.01	<0.001	<0.001
Maywick to St. Ninians Isle	-	84	215.93	46,624.47	95.00	0.01	<0.001	<0.001
Montrose to Lunan Bay	-	740	196.06	38,441.09	47.10	0.02	0.005	0.001
Newton Hill	-	4	151.75	23,027.46	55.38	0.02	<0.001	<0.001
Newtonhill - Hall Bay	May Craig - Muchalls	128	296.47	87,896.83	97.68	0.01	<0.001	<0.001
	Newtonhill - May Craig	124	287.18	82,474.65	98.01	0.01	<0.001	<0.001
No Ness to Levenwick and Boddam to Virkie	Noness	12	289.26	83,673.08	97.60	0.01	<0.001	<0.001
	Troswick Beach to Boddam	24	288.77	83,386.96	98.01	0.01	<0.001	<0.001
	Troswick Ness	134	289.89	84,037.37	98.05	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
North Mainland 22 - Black Hill to Boat Geo South	HU 3066 - SKUA/GBBG	68	293.04	85,870.68	98.02	0.01	<0.001	<0.001
North Sutherland Islands	Eilean Iosal	141	140.74	19,808.59	74.11	0.01	0.001	<0.001
	Eilean Nan Ron 6	300	140.93	19,861.83	73.86	0.01	0.002	<0.001
North Sutor to Shandwick	-	904	105.51	11,132.36	40.17	0.02	0.023	0.004
Old Hill - Lewis	Old Hill Whole Island	186	299.76	89,855.46	78.98	0.01	<0.001	<0.001
	Old Hill/South East Side	32	299.86	89,915.42	78.97	0.01	<0.001	<0.001
	Old Hill/West Side	1,326	299.18	89,511.07	78.89	0.01	0.002	<0.001
Out Skerries	-	48	269.44	72,598.45	97.09	0.01	<0.001	<0.001
Papa Stour SPA	-	50	248.49	61,745.29	96.57	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Muckle Skerry	352	60.77	3,692.63	78.89	0.01	0.014	0.002
	Swona	1	69.74	4,863.53	79.19	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Peterhead	Peterhead South Harbour (urban)	66	91.87	8,440.46	67.29	0.01	0.001	<0.001
Portknockie	Portknockie	62	60.69	3,682.91	58.15	0.02	0.003	0.001
Portsoy to Cullen	Findlater	158	59.77	3,571.97	59.00	0.02	0.009	0.001
	Garron Point	434	60.24	3,628.38	59.13	0.02	0.023	0.004
	Redhythe Point	440	60.51	3,660.98	59.35	0.02	0.023	0.004
Ramna Stacks and Gruney SPA	Fladda	156	292.68	85,663.34	98.14	0.01	<0.001	<0.001
	Outer Stack	4	293.10	85,905.85	98.17	0.01	<0.001	<0.001
Ronas Hill - North Roe and Tingon – Cliff nesters only	Galti Stack	102	276.64	76,530.80	97.47	0.01	<0.001	<0.001
Rosehearty to Bay of Cullen	Head of Garness	6	59.30	3,516.02	62.67	0.02	<0.001	<0.001
	Snow Craig	50	59.81	3,577.24	63.11	0.02	0.003	<0.001
Rousay - South East	-	254	118.30	13,995.13	83.39	0.01	0.002	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Rubha Hunish	An t-Iasgair Group	160	312.39	97,587.51	68.05	0.01	<0.001	<0.001
	Creag na h-Eiginn - The Aird	418	306.60	94,002.95	66.93	0.01	0.001	<0.001
	Fladda Chuain to Gearran Island	928	307.82	94,750.07	68.47	0.01	0.002	<0.001
	Flodigarry - Creag na h-Eiginn	400	308.01	94,871.39	66.36	0.02	0.001	<0.001
	South Lub Score	98	313.62	98,360.01	67.58	0.01	<0.001	<0.001
	The Aird - Rubha Hunish	16	306.86	94,163.67	67.33	0.01	<0.001	<0.001
Sanday - Stove to Kettleoft	-	102	114.59	13,129.72	84.90	0.01	0.001	<0.001
Sandvoe to Uyea	-	8	289.24	83,658.62	97.56	0.01	<0.001	<0.001
Scapa Bay to St. Marys	-	46	89.38	7,989.32	81.39	0.01	0.001	<0.001
SE Lewis	-	22	278.78	77,719.40	71.17	0.01	<0.001	<0.001
Seahouses	Seahouses 1	412	306.27	93,800.70	47.77	0.02	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Shapinsay (Coastal)	Shapinsay 8	26	98.07	9,618.31	82.71	0.01	<0.001	<0.001
	Shapinsay 9	8	97.89	9,581.47	82.83	0.01	<0.001	<0.001
Skeld, Westerwick and Culswick	Burga Stacks to Caves	2	233.90	54,710.61	95.41	0.01	<0.001	<0.001
	Scarvister to West Mouli Geo	26	232.41	54,013.01	93.97	0.01	<0.001	<0.001
	Skeld, Westerwick and Culswick	30	240.34	57,764.76	95.37	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	54	233.40	54,477.43	95.13	0.01	<0.001	<0.001
	Westerwick to West of The Nev	100	232.56	54,085.55	94.99	0.01	<0.001	<0.001
Skye	Biod a' Choltraiche to Creag an Fhithich	138	325.98	106,264.26	68.40	0.01	<0.001	<0.001
	Rubha Riadhain	78	325.33	105,840.26	65.95	0.02	<0.001	<0.001
	Vaternish Point to Waterfall	190	327.94	107,543.33	68.87	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Smoo to Melvich	Cleit An t-Seabhaig	50	151.66	22,999.54	74.94	0.01	<0.001	<0.001
	Rubha Thormaid	50	148.70	22,110.80	74.83	0.01	<0.001	<0.001
South Ronaldsay	Quindry - Hoxa - Dam of Hoxa	2	77.90	6,068.25	79.68	0.01	<0.001	<0.001
	The Altar - Quindry	68	77.66	6,031.70	80.04	0.01	0.002	<0.001
	Windwick - Burwick	32	70.96	5,035.75	79.54	0.01	0.001	<0.001
South Sutor	-	132	107.77	11,614.80	39.64	0.03	0.003	0.001
St. Ninian's Isle	Hich Holm	56	213.25	45,474.71	94.76	0.01	<0.001	<0.001
	St. Ninian's Isle	78	213.46	45,565.17	94.79	0.01	<0.001	<0.001
Stoer Headland	Point of Stoer - Cluas Deas	514	234.47	54,978.06	63.80	0.02	0.002	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	534	158.17	25,018.70	54.23	0.02	0.005	0.001
	Strathlethan Bay	148	157.40	24,773.50	54.28	0.02	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Stronsay	Burgh Head 1	21	100.49	10,098.04	84.17	0.01	<0.001	<0.001
	Carlin Geo 1	188	100.27	10,053.07	84.00	0.01	0.003	<0.001
	Rothiesholm Head 2	98	102.98	10,605.70	84.10	0.01	0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	332	154.32	23,813.43	82.17	0.01	0.002	<0.001
	Sule Stack	102	155.41	24,153.51	81.54	0.01	0.001	<0.001
Sumburgh Head Quarries	-	70	203.45	41,393.12	94.27	0.01	<0.001	<0.001
Sumburgh to Peerie Voe of Spiggie	Broad Stack to Stack of Barons Geo	113	203.96	41,598.05	94.25	0.01	<0.001	<0.001
	Corbie Geo to Whale Stack	2	209.62	43,939.71	94.51	0.01	<0.001	<0.001
	Landvillas to Scarfi Taing	282	208.41	43,435.98	94.44	0.01	0.001	<0.001
	The Nev to The Kame	28	206.93	42,821.27	94.37	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
The Taing - The Nev	Hinda Stack - The Nev	56	312.37	97,571.89	98.66	0.01	<0.001	<0.001
	The Taing - Hinda Stack	100	314.96	99,196.65	98.65	0.01	<0.001	<0.001
Toe Head - Harris	Toe Head 3	150	347.20	120,545.06	75.49	0.01	<0.001	<0.001
	Toe Head 4	224	347.80	120,966.93	75.47	0.01	<0.001	<0.001
Uyea	-	24	285.60	81,564.50	97.58	0.01	<0.001	<0.001
Walls to Dales	Dogs Head to Treawick	16	238.34	56,803.57	94.33	0.01	<0.001	<0.001
	Point of Hus to Hevdigarth	20	236.81	56,077.56	93.84	0.01	<0.001	<0.001
	Treawick to Burrier Head	3	238.55	56,907.53	94.44	0.01	<0.001	<0.001
West Burra - Shetland	Kettlaness (KI & SA only)	72	222.52	49,513.82	93.37	0.01	<0.001	<0.001
	West Burra	130	224.98	50,617.35	93.27	0.01	<0.001	<0.001
	Whale Wick to Sandwick (incl. Ramna Geo)	58	225.35	50,781.72	93.18	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Westray	-	758	124.20	15,425.14	84.85	0.01	0.007	0.001
Whalsay	-	64	257.79	66,455.17	97.53	0.01	<0.001	<0.001
Yell - East Coast	-	154	281.30	79,130.25	97.97	0.01	<0.001	<0.001
Yesnaby - Ness Point, Stromness	-	12	103.78	10,769.46	81.52	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	-	2	110.72	12,257.81	82.19	0.01	<0.001	<0.001
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	-	946	112.56	12,668.63	62.41	0.02	0.014	0.002
* Colony counts from Burnell <i>et al.</i> (2023 ²).								

2.2 Guillemot

- 2.2.1.1 Table 2-2 provides the guillemot breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-2: Guillemot breeding season apportioning calculations based on the NatureScot Apportionment methodology.

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Designated Sites Screened in for Assessment								
East Caithness Cliffs SPA**	-	199,966	53.80	2,894.35	50.10	0.02	2.171	0.707
North Caithness Cliffs SPA	Auckengill within SPA	47	55.18	3,044.61	76.76	0.01	<0.001	<0.001
	Duncansby Head	15,146	59.54	3,545.25	79.61	0.01	0.084	0.027
	Dunnet Head 1	3,453	79.51	6,321.84	69.66	0.01	0.012	0.004
	Dunnet Head 2	1,300	80.11	6,416.81	69.84	0.01	0.005	0.001
	Dunnet Head 3	14,709	81.41	6,627.91	69.40	0.01	0.050	0.016
	Dunnet Head 4	55	84.37	7,118.97	66.93	0.01	<0.001	<0.001
	Holburn Head 2	87	92.81	8,612.77	60.03	0.02	<0.001	<0.001
	Holburn Head 3	36	93.71	8,782.13	59.75	0.02	<0.001	<0.001
	Melvich 1	1,017	111.50	12,433.14	50.62	0.02	0.003	0.001
	Melvich 2	456	112.30	12,610.84	50.34	0.02	0.001	<0.001
	Melvich 3	1,320	113.24	12,824.20	50.34	0.02	0.003	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Sandside Head 1	986	109.52	11,993.97	51.72	0.02	0.003	0.001
	Sandside Head 2	1,202	110.66	12,246.30	51.52	0.02	0.003	0.001
	Skirza Head	8,804	56.22	3,160.80	78.02	0.01	0.056	0.018
	Stacks of Duncansby	1,273	57.96	3,359.01	79.39	0.01	0.008	0.002
	Stroma Island	12,211	66.14	4,374.37	77.84	0.01	0.056	0.018
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	2,931	61.81	3,820.85	65.86	0.02	0.018	0.006
	Crovie to Collie Head	1,524	59.40	3,528.60	62.86	0.02	0.011	0.004
	More Head-Crovie Pier (+Craigandargity skerry)	235	59.87	3,584.54	61.55	0.02	0.002	0.001
	Pennan Head	1,942	61.14	3,737.49	64.96	0.02	0.013	0.004
	Troup & Lion's Head RSPB (Coast & Reserve)	41,088	59.63	3,555.38	64.18	0.02	0.284	0.092

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Copinsay SPA	Black Holm	35	81.70	6,675.05	86.10	0.01	<0.001	<0.001
	Copinsay	1,268	80.66	6,505.71	86.08	0.01	0.004	0.001
	Ward Holm	9	81.08	6,573.48	85.95	0.01	<0.001	<0.001
Hoy SPA	Hoy RSPB Reserve	3,956	96.10	9,234.25	81.43	0.01	0.008	0.003
	HOY13	4	90.04	8,107.92	79.00	0.01	<0.001	<0.001
	HOY14	121	88.41	7,816.68	78.97	0.01	<0.001	<0.001
	HOY16	402	84.97	7,220.58	79.01	0.01	0.001	<0.001
	HOY17	7,907	82.72	6,843.26	78.73	0.01	0.023	0.007
	HOY5	283	99.95	9,990.80	82.39	0.01	0.001	<0.001
	HOY6	1,828	100.30	10,060.49	82.40	0.01	0.003	0.001
	HOY7	391	100.60	10,120.36	82.06	0.01	0.001	<0.001
	HOY8	1,340	97.69	9,543.53	81.33	0.01	0.003	0.001
	Old Man of Hoy to Rora Head	114	95.73	9,163.28	80.53	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Buchan Ness to Collieston Coast SPA	-	40,763	103.83	10,781.29	66.74	0.01	0.089	0.029
Rousay SPA	Rousay 1 - RSPB	367	123.20	15,177.50	86.94	0.01	<0.001	<0.001
	Rousay 11	670	121.42	14,743.30	88.49	0.01	0.001	<0.001
	Rousay 12	38	120.14	14,433.38	88.53	0.01	<0.001	<0.001
	Rousay 2	31	123.46	15,241.38	87.31	0.01	<0.001	<0.001
	Rousay 4	3,752	125.63	15,782.65	87.49	0.01	0.004	0.001
	Rousay 5	2,566	126.40	15,975.70	87.83	0.01	0.003	0.001
	Rousay 6	477	125.11	15,652.76	88.03	0.01	0.001	<0.001
	Rousay 7	7	124.09	15,397.58	88.18	0.01	<0.001	<0.001
	Rousay 8	13	123.42	15,231.51	88.13	0.01	<0.001	<0.001
Marwick Head SPA	-	12,800	117.52	13,810.48	85.54	0.01	0.017	0.006

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Calf of Eday SPA	Calf of Eday	7,375	119.94	14,385.84	90.49	0.01	0.009	0.003
	Eday 20	7	117.84	13,886.27	90.31	0.01	<0.001	<0.001
	Eday 5	11	122.09	14,904.99	90.52	0.01	<0.001	<0.001
	Eday 6	9	122.21	14,936.26	90.44	0.01	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	32,945	134.14	17,993.27	89.33	0.01	0.032	0.010
	West Westray 1	102	135.06	18,240.66	89.48	0.01	<0.001	<0.001
	West Westray 4	2,346	132.31	17,505.41	89.81	0.01	0.002	0.001
	West Westray 5	3,223	131.07	17,178.30	89.71	0.01	0.003	0.001
	West Westray 6	4,403	129.39	16,741.51	89.35	0.01	0.005	0.002
	Westray 13 within SPA	16	137.35	18,864.47	89.70	0.01	<0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	12,861	154.43	23,849.86	83.36	0.01	0.010	0.003
	Sule Stack	1,423	155.53	24,190.51	81.46	0.01	0.001	<0.001
Fair Isle SPA	-	24,515	161.00	25,919.71	95.11	0.01	0.016	0.005

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	122	94.84	8,993.68	89.43	0.01	<0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	-	32	122.91	15,105.64	86.41	0.01	<0.001	<0.001
Brough of Birsay	-	359	120.42	14,500.74	86.64	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	143	45.85	2,102.13	72.66	0.01	0.001	<0.001
	Staxigoe	24	44.53	1,983.01	71.84	0.01	<0.001	<0.001
Costa Head	Costa Head	6,792	126.64	16,036.93	86.70	0.01	0.008	0.002
	Costa Hill Cliffs	9	125.90	15,851.57	86.93	0.01	<0.001	<0.001
Deerness	Deerness 10	127	84.40	7,122.85	86.59	0.01	<0.001	<0.001
	Deerness 3	232	90.54	8,196.59	87.21	0.01	0.001	<0.001
	Deerness 5	212	89.15	7,947.90	87.40	0.01	<0.001	<0.001
	Mull Head - cliff-nesters	1,841	89.67	8,040.53	87.48	0.01	0.004	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
East Caithness Cliffs SPA (South) SPA	Badaidh na Gaoithe	178	57.16	3,267.27	44.99	0.02	0.002	0.001
Flotta & Calf of Flotta	Flotta 5	3	77.58	6,017.88	80.55	0.01	<0.001	<0.001
	Flotta 6	83	77.63	6,025.80	80.20	0.01	<0.001	<0.001
Holm	Gultak	292	81.89	6,706.63	84.88	0.01	0.001	<0.001
	Holm 2	9	82.70	6,839.29	85.04	0.01	<0.001	<0.001
	Holm 6	80	81.21	6,595.39	84.64	0.01	<0.001	<0.001
Horse of Copinsay	-	1,034	81.79	6,689.11	86.56	0.01	0.003	0.001
Hoy and Southwalls	HOY21	306	78.60	6,178.59	78.46	0.01	0.001	<0.001
	HOY22	1,364	77.01	5,931.16	79.06	0.01	0.005	0.001
Papa Westray (North Hill and Holm) SPA	-	162	138.03	19,051.73	90.76	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Pentland Firth Islands SPA	Muckle Skerry	587	60.77	3,692.63	81.84	0.01	0.003	0.001
	Swona	8	69.74	4,863.53	78.72	0.01	<0.001	<0.001
Portknockie	-	66	60.69	3,682.91	44.92	0.02	0.001	<0.001
Shapinsay (Coastal)	Shapinsay 10	8	98.89	9,778.24	87.44	0.01	<0.001	<0.001
	Shapinsay 8	12	98.07	9,618.31	87.48	0.01	<0.001	<0.001
	Shapinsay 9	109	97.89	9,581.47	87.79	0.01	<0.001	<0.001
South Ronaldsay	Burwick - Sandwich	13	71.09	5,054.21	79.35	0.01	<0.001	<0.001
	The Altar - Quindry	868	77.66	6,031.70	80.65	0.01	0.003	0.001
	Windwick - Burwick	3,966	70.96	5,035.75	79.79	0.01	0.016	0.005
Stromness Area, Hundland	-	4	109.57	12,006.46	83.66	0.01	<0.001	<0.001
Stronsay	Carlin Geo 1	993	100.27	10,053.07	90.07	0.01	0.002	0.001
	Rothiesholm Head 2	13	102.98	10,605.70	89.43	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Switha	-	110	76.44	5,843.38	79.67	0.01	<0.001	<0.001
Westray	-	592	124.20	15,425.14	89.46	0.01	0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2113	44	104.95	11,013.87	83.72	0.01	<0.001	<0.001
	Grid Square HY2114	4	105.79	11,192.37	83.83	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	Row Head	5,925	110.72	12,257.81	84.11	0.01	0.009	0.003
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	Sands of Forvie	23	112.56	12,668.63	61.03	0.02	<0.001	<0.001
* Applying Harris <i>et al.</i> (2015 ³) correction factor x 1.34 for total adult breeding numbers. ** Colony counts from Burnell <i>et al.</i> (2023 ²).								

2.3 Razorbill

- 2.3.1.1 Table 2-3 provides the razorbill breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-3: Razorbill breeding season apportioning calculations based on the NatureScot Apportionment methodology.

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Designated Sites Screened in for Assessment								
East Caithness - Cliffs SPA**	-	40,373	53.70	2,883.69	48.11	0.02	2.340	0.724
Fair Isle SPA	-	2,580	161.00	25,919.71	95.23	0.01	0.009	0.003
North Caithness Cliffs SPA	Auckengill within SPA	137	55.18	3,044.61	75.06	0.01	0.005	0.001
	Duncansby Head	1,979	59.54	3,545.25	79.01	0.01	0.058	0.018
	Dunnet Head 1	194	79.51	6,321.84	74.50	0.01	0.003	0.001
	Dunnet Head 2	406	80.11	6,416.81	74.62	0.01	0.007	0.002
	Dunnet Head 3	1,912	81.41	6,627.91	74.43	0.01	0.032	0.010
	Dunnet Head 4	96	84.37	7,118.97	72.48	0.01	0.002	<0.001
	Dunnet Head 5	153	88.19	7,777.30	71.03	0.01	0.002	0.001
	Holburn Head 2	43	92.81	8,612.77	67.03	0.01	0.001	<0.001
	Holburn Head 3	62	93.71	8,782.13	66.86	0.01	0.001	<0.001
	Little Clett	42	78.57	6,173.09	74.32	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Melvich 1	1,112	111.50	12,433.14	59.25	0.02	0.012	0.004
	Melvich 2	529	112.30	12,610.84	58.99	0.02	0.006	0.002
	Melvich 3	496	113.24	12,824.20	59.01	0.02	0.005	0.002
	Ness of Litter	32	98.66	9,734.58	65.92	0.02	<0.001	<0.001
	Sandside Head 1	382	109.52	11,993.97	60.16	0.02	0.004	0.001
	Sandside Head 2	465	110.66	12,246.30	60.22	0.02	0.005	0.002
	Skirza Head	1,432	56.22	3,160.80	76.65	0.01	0.048	0.015
	Stacks of Duncansby	930	57.96	3,359.01	78.27	0.01	0.029	0.009
	Stroma Island	1,927	66.14	4,374.37	79.01	0.01	0.046	0.014
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	508	61.81	3,820.85	63.72	0.02	0.017	0.005
	Crovie to Collie Head	1,124	59.40	3,528.60	60.19	0.02	0.043	0.013
	More Head-Crovie Pier (+Craigandargity skerry)	125	59.87	3,584.54	58.96	0.02	0.005	0.001
	Pennan Head	592	61.14	3,737.49	62.64	0.02	0.021	0.006

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Troup & Lion's Head RSPB (Coast & Reserve)	6,448	59.63	3,555.38	61.52	0.02	0.241	0.073
	West Quarry Head	4	62.26	3,876.56	64.68	0.02	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	1,280	134.14	17,993.27	89.01	0.01	0.007	0.002
	West Westray 1	91	135.06	18,240.66	89.14	0.01	<0.001	<0.001
	West Westray 4	213	132.31	17,505.41	89.48	0.01	0.001	<0.001
	West Westray 5	781	131.07	17,178.30	89.42	0.01	0.004	0.001
	West Westray 6	705	129.39	16,741.51	89.12	0.01	0.004	0.001
	Westray 13 within SPA	34	137.35	18,864.47	89.34	0.01	<0.001	<0.001
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	60	94.84	8,993.68	87.96	0.01	0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Skipi Geo to Whitaloo Point	3	121.98	14,879.36	86.58	0.01	<0.001	<0.001
	Whitaloo Point to Loop of Cruie	76	122.91	15,105.64	86.60	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Brough of Birsay	-	27	120.42	14,500.74	86.77	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	7,654	103.83	10,781.29	69.84	0.01	0.083	0.025
Caithness - Wick Bay to Freshwick Bay	Ackergillshore	11	48.13	2,316.88	68.52	0.01	0.001	<0.001
	Noss Head	358	45.85	2,102.13	69.45	0.01	0.020	0.006
Calf of Eday SPA	Calf of Eday	94	119.94	14,385.84	90.07	0.01	0.001	<0.001
	Eday 20	23	117.84	13,886.27	89.93	0.01	<0.001	<0.001
	Eday 4	5	121.12	14,670.05	90.21	0.01	<0.001	<0.001
	Eday 5	17	122.09	14,904.99	90.12	0.01	<0.001	<0.001
	Eday 6	11	122.21	14,936.26	90.03	0.01	<0.001	<0.001
Copinsay SPA	Black Holm	79	81.70	6,675.05	84.74	0.01	0.001	<0.001
	Copinsay	389	80.66	6,505.71	84.76	0.01	0.006	0.002
	Corn Holm	29	81.46	6,635.57	84.70	0.01	<0.001	<0.001
	Ward Holm	125	81.08	6,573.48	84.63	0.01	0.002	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Costa Head	Costa Head	762	126.64	16,036.93	86.82	0.01	0.004	0.001
	Costa Hill Cliffs	119	125.90	15,851.57	87.02	0.01	0.001	<0.001
Deerness	Deerness 10	114	84.40	7,122.85	85.17	0.01	0.002	<0.001
	Deerness 2	78	93.08	8,663.51	84.85	0.01	0.001	<0.001
	Deerness 3	155	90.54	8,196.59	85.60	0.01	0.002	0.001
	Deerness 5	134	89.15	7,947.90	85.77	0.01	0.002	<0.001
	Deerness 6	64	88.13	7,766.37	85.43	0.01	0.001	<0.001
	Mull Head - cliff-nesters	84	89.67	8,040.53	85.85	0.01	0.001	<0.001
East Caithness Cliffs SPA (South)	Badaidh na Gaoithe	113	57.16	3,267.27	43.18	0.02	0.007	0.002
Findon Ness - Hare Ness	Findon Ness to Black Slough	60	143.98	20,728.80	58.45	0.02	<0.001	<0.001
	Hare Ness to Seal's Cove	340	141.59	20,048.29	58.96	0.02	0.002	0.001
	Seal's Cove to Findon Ness	844	142.91	20,422.98	58.76	0.02	0.006	0.002

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Flotta & Calf of Flotta	Flotta 5	36	77.58	6,017.88	79.76	0.01	0.001	<0.001
	Flotta 6	322	77.63	6,025.80	79.46	0.01	0.005	0.002
Girdle Ness to Hare Ness	Cove Bay	194	139.08	19,342.69	59.57	0.02	0.001	<0.001
	Cove to Hare Ness	202	140.20	19,654.92	59.28	0.02	0.001	<0.001
	Greg Ness - Seals Hole	1	136.89	18,738.32	60.17	0.02	<0.001	<0.001
Holm	Gultak	512	81.89	6,706.63	83.71	0.01	0.007	0.002
	Holm 2	127	82.70	6,839.29	83.90	0.01	0.002	0.001
	Holm 6	25	81.21	6,595.39	83.49	0.01	<0.001	<0.001
Holm, Deerness and Tankerness	Rerwick Head 1	1	95.05	9,034.31	84.85	0.01	<0.001	<0.001
	Rerwick Head 2	52	94.64	8,955.97	84.91	0.01	0.001	<0.001
Horse of Copinsay	-	310	81.79	6,689.11	85.06	0.01	0.004	0.001
Hoy and Southwalls	HOY22	244	77.01	5,931.16	78.46	0.01	0.004	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Hoy SPA	Hoy RSPB Reserve	1,091	96.10	9,234.25	81.02	0.01	0.012	0.004
	HOY10	54	94.02	8,839.95	79.66	0.01	0.001	<0.001
	HOY11	34	92.61	8,575.69	79.21	0.01	<0.001	<0.001
	HOY12	13	91.29	8,334.23	78.77	0.01	<0.001	<0.001
	HOY13	54	90.04	8,107.92	78.70	0.01	0.001	<0.001
	HOY14	34	88.41	7,816.68	78.62	0.01	<0.001	<0.001
	HOY15	27	86.74	7,523.83	78.25	0.01	<0.001	<0.001
	HOY16	122	84.97	7,220.58	78.57	0.01	0.002	0.001
	HOY17	481	82.72	6,843.26	78.32	0.01	0.007	0.002
	HOY19	19	99.95	6,387.37	77.94	0.01	<0.001	<0.001
	HOY5	75	100.30	9,990.80	81.94	0.01	0.001	<0.001
	HOY6	253	100.60	10,060.49	81.96	0.01	0.003	0.001
	HOY7	320	97.69	10,120.36	81.64	0.01	0.003	0.001
	HOY8	263	88.41	9,543.53	80.96	0.01	0.003	0.001
	Old Man of Hoy to Rora Head	86	95.73	9,163.28	80.21	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Marwick Head SPA	Birsay Bay	8	118.63	14,071.89	86.28	0.01	<0.001	<0.001
	Marwick Head	988	117.52	13,810.48	85.74	0.01	0.007	0.002
Melvich to Duncansby Stacks SSSI	-	62	69.43	4,820.39	76.84	0.01	0.001	<0.001
North Sutherland Islands	Eilean Iosal	38	140.74	19,808.59	57.57	0.02	<0.001	<0.001
	Eilean Nan Ron 6	96	140.93	19,861.83	56.87	0.02	0.001	<0.001
	Eilean nan Ron whole island	11	140.16	19,643.42	56.67	0.02	<0.001	<0.001
	Neave Island 1	7	137.68	18,955.23	56.27	0.02	<0.001	<0.001
North Sutor to Shandwick	-	161	105.51	11,132.36	18.59	0.05	0.006	0.002
Papa Westray (North Hill and Holm) SPA	-	76	138.03	19,051.73	90.28	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Pentland Firth Islands SPA	Muckle Skerry	239	60.77	3,692.63	81.97	0.01	0.006	0.002
	Swona	273	69.74	4,863.53	78.13	0.01	0.006	0.002
Portknockie	-	25	60.69	3,682.91	43.38	0.02	0.001	<0.001
Portsoy to Cullen	Garron Point	21	60.24	3,628.38	45.99	0.02	0.001	<0.001
	Redhythe Point	40	60.51	3,660.98	46.72	0.02	0.002	0.001
Rosehearty to Bay of Cullen	Head of Garness	109	59.30	3,516.02	55.65	0.02	0.005	0.001
Rousay SPA	Rousay 1 - RSPB	44	123.20	15,177.50	86.99	0.01	<0.001	<0.001
	Rousay 11	56	121.42	14,743.30	88.51	0.01	<0.001	<0.001
	Rousay 12	86	120.14	14,433.38	88.55	0.01	0.001	<0.001
	Rousay 13	11	118.73	14,095.63	88.93	0.01	<0.001	<0.001
	Rousay 2	28	123.46	15,241.38	87.31	0.01	<0.001	<0.001
	Rousay 4	193	125.63	15,782.65	87.54	0.01	0.001	<0.001
	Rousay 5	138	126.40	15,975.70	87.87	0.01	0.001	<0.001
	Rousay 6	44	125.11	15,652.76	88.04	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Rousay 7	5	124.09	15,397.58	88.20	0.01	<0.001	<0.001
	Rousay 8	8	123.42	15,231.51	88.15	0.01	<0.001	<0.001
Sanday	-	15	121.17	14,682.17	89.42	0.01	<0.001	<0.001
Scapa Bay to St. Marys	-	204	89.38	7,989.32	79.29	0.01	0.003	0.001
Shapinsay (Coastal)	Shapinsay 10	28	98.89	9,778.24	86.06	0.01	<0.001	<0.001
	Shapinsay 8	74	98.07	9,618.31	85.90	0.01	0.001	<0.001
	Shapinsay 9	121	97.89	9,581.47	86.24	0.01	0.001	<0.001
Smoo to Melvich	Melvich 5	27	117.26	13,750.85	58.55	0.02	<0.001	<0.001
	Skullomie 1	24	140.72	19,800.71	55.45	0.02	<0.001	<0.001
	Strathy 1	83	119.56	14,295.55	59.03	0.02	0.001	<0.001
	Strathy 2	1	121.44	14,746.46	58.61	0.02	<0.001	<0.001
South Ronaldsay	Burwick - Sandwich	21	71.09	5,054.21	78.69	0.01	<0.001	<0.001
	Quindry - Hoxa - Dam of Hoxa	39	77.90	6,068.25	79.53	0.01	0.001	<0.001
	Stews - Windwick	185	70.94	5,032.77	78.29	0.01	0.004	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	The Altar - Quindry	332	77.66	6,031.70	79.87	0.01	0.006	0.002
	Windwick - Burwick	556	70.96	5,035.75	79.11	0.01	0.011	0.003
South Sutor	South Sutor 3	3	107.77	11,614.80	17.98	0.06	<0.001	<0.001
	South Sutor All (2- 4 6)		109.61	12,013.69	17.62	0.06	<0.001	<0.001
Strathlene to Portknockie	-	38	60.79	3,695.30	42.52	0.02	0.002	0.001
Stromness Area, Hundland	Yesnaby 1	1	107.94	11,650.40	83.63	0.01	<0.001	<0.001
	Yesnaby 2	74	109.57	12,006.46	83.43	0.01	0.001	<0.001
Stronsay	Burgh Head 1	3	100.49	10,098.04	89.42	0.01	<0.001	<0.001
	Burgh Head 2	3	99.99	9,998.80	89.40	0.01	<0.001	<0.001
	Rothiesholm Head 2	13	102.98	10,605.70	88.66	0.01	<0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	13	154.43	23,849.86	81.41	0.01	<0.001	<0.001
Switha	-	310	76.44	5,843.38	78.99	0.01	0.005	0.002

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Westray	-	150	124.20	15,425.14	89.18	0.01	0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2110	1	102.03	10,409.71	83.20	0.01	<0.001	<0.001
	Grid Square HY2111	9	102.85	10,578.53	83.40	0.01	<0.001	<0.001
	Grid Square HY2112	16	103.78	10,769.46	83.45	0.01	<0.001	<0.001
	Grid Square HY2113	32	104.95	11,013.87	83.40	0.01	<0.001	<0.001
	Grid Square HY2114	74	105.79	11,192.37	83.52	0.01	0.001	<0.001
	Grid Square HY2115/2215	1	106.80	11,405.17	83.77	0.01	<0.001	<0.001
	Grid Square HY2210	23	101.40	10,282.77	83.13	0.01	<0.001	<0.001
	Grid Square HY2217	36	108.99	11,879.04	84.05	0.01	<0.001	<0.001
	Row Head	413	110.72	12,257.81	84.03	0.01	0.003	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Ythan Estuary, - Sands of Forvie and Meikle Loch SPA		84	112.56	12,668.63	65.21	0.02	0.001	<0.001
* Applying Harris <i>et al.</i> (2015³) correction factor x 1.34 for total adult breeding numbers. ** Colony counts from Burnell <i>et al.</i> (2023²).								

2.4 Puffin

- 2.4.1.1 Table 2-4 provides the puffin breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-4: Puffin breeding season apportioning calculations based on the NatureScot Apportionment methodology.

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Designated Sites Screened in for Assessment								
North Caithness Cliffs SPA	Duncansby Head	22	59.54	3,545.25	76.44	0.01	0.001	<0.001
	Dunnet Head 1	66	79.51	6,321.84	75.75	0.01	0.002	0.001
	Dunnet Head 2	386	80.11	6,416.81	75.72	0.01	0.006	0.003
	Dunnet Head 3	396	81.41	6,627.91	75.44	0.01	0.006	0.003
	Dunnet Head 4	158	84.37	7,118.97	74.65	0.01	0.002	0.001
	Dunnet Head 5	276	88.19	7,777.30	74.10	0.01	0.004	0.002
	Holburn Head 2	94	92.81	8,612.77	73.58	0.01	0.001	0.001
	Holburn Head 3	48	93.71	8,782.13	73.47	0.01	0.001	<0.001
	Little Clett	12	78.57	6,173.09	75.69	0.01	<0.001	<0.001
	Melvich 1	538	111.50	12,433.14	71.84	0.01	0.004	0.003
	Melvich 2	2,646	112.30	12,610.84	71.62	0.01	0.021	0.013
	Melvich 3	1,008	113.24	12,824.20	71.56	0.01	0.008	0.005
	Melvich 4	246	114.92	13,206.84	71.68	0.01	0.002	0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Ness of Litter	78	98.66	9,734.58	73.66	0.01	0.001	<0.001
	Sandside Head 1	58	109.52	11,993.97	72.10	0.01	<0.001	<0.001
	Sandside Head 2	14	110.66	12,246.30	72.06	0.01	<0.001	<0.001
	Skirza Head	48	56.22	3,160.80	66.08	0.02	0.002	0.001
	Stacks of Duncansby	152	57.96	3,359.01	76.23	0.01	0.004	0.003
	Stroma Island	520	66.14	4,374.37	76.74	0.01	0.011	0.007
Hoy SPA	Hoy RSPB Reserve	356	96.10	9,234.25	78.85	0.01	0.007	0.004
	HOY17	8	82.72	6,843.26	77.58	0.01	<0.001	<0.001
	HOY29	2	90.08	8,114.77	79.16	0.01	<0.001	<0.001
	HOY5	4	99.95	9,990.80	79.62	0.01	<0.001	<0.001
	HOY7	188	100.60	10,120.36	79.15	0.01	0.003	0.002
	HOY8	156	97.69	9,543.53	79.09	0.01	0.003	0.002
	Old Man of Hoy to Rora Head	8	95.73	9,163.28	78.75	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Cape Wrath SPA	Cape Wrath 4	20	176.10	31,010.86	75.61	0.01	<0.001	<0.001
	Clo Mor 1	16	167.50	28,055.92	74.43	0.01	<0.001	<0.001
	Clo Mor 10	50	172.48	29,749.70	75.03	0.01	<0.001	<0.001
	Clo Mor 11	26	173.88	30,232.86	75.00	0.01	<0.001	<0.001
	Clo Mor 7	16	169.69	28,795.71	74.92	0.01	<0.001	<0.001
	Clo Mor 8	58	170.71	29,140.20	74.91	0.01	<0.001	<0.001
	Clo Mor 9	242	171.68	29,474.37	74.89	0.01	0.002	0.001
Sule Skerry and Sule Stack SPA	-	95,484	154.32	23,813.43	81.36	0.01	0.360	0.213
Fair Isle SPA	-	13,332	161.00	25,919.71	91.93	0.01	0.082	0.048
Foula SPA	-	12,702	222.52	49,512.93	95.51	0.01	0.039	0.023
North Rona and Sula Sgeir SPA	North Rona	5,560	234.43	54,955.08	84.65	0.01	0.009	0.005
	Sula Sgeir	108	252.62	63,814.84	84.59	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Noss SPA	Noss	1,090	239.58	57,396.18	96.31	0.01	0.001	0.001
	SE Bressay = E Bressay (Shetland) Z	104	234.70	55,083.62	97.39	0.01	<0.001	<0.001
Forth Islands SPA	Bass Rock	8	261.70	68,484.80	38.73	0.03	<0.001	<0.001
	Craigleith	10,270	263.34	69,349.01	37.47	0.03	0.058	0.034
	Fidra	1,832	264.61	70,017.39	36.58	0.03	0.010	0.006
	Inchmickery RSPB	56	291.49	84,965.25	28.06	0.04	<0.001	<0.001
	Isle of May	104,208	248.45	61,724.92	41.43	0.02	0.596	0.352
	The Lamb	1,586	264.06	69,725.04	37.06	0.03	0.009	0.005
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	866	94.84	8,993.68	83.64	0.01	0.017	0.010
Bigton to Maywick	-	220	217.09	47,126.33	96.47	0.01	0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Skipi Geo to Whitaloo Point	6	121.98	14,879.36	82.78	0.01	<0.001	<0.001
	Whitaloo Point to Loop of Cruie	70	122.91	15,105.64	82.92	0.01	0.001	<0.001
Bressay	Geos of the Veng	2	232.42	54,016.73	95.77	0.01	<0.001	<0.001
	HU5139 ÔÇô SKUA/GBBG	52	236.18	55,779.10	95.57	0.01	<0.001	<0.001
Brough of Birsay	-	10	120.42	14,500.74	82.53	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	118	103.83	10,781.29	64.84	0.02	0.002	0.001
Burn of Daff	Black Slough to Burn of Daff	14	145.92	21,292.35	56.54	0.02	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	6	45.85	2,102.13	72.56	0.01	0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Calf of Eday SPA	Calf of Eday	2	119.94	14,385.84	85.61	0.01	<0.001	<0.001
	Eday 20	12	117.84	13,886.27	85.35	0.01	<0.001	<0.001
	Eday 4	2	121.12	14,670.05	85.74	0.01	<0.001	<0.001
	Eday 5	78	122.09	14,904.99	85.64	0.01	0.001	0.001
	Eday 6	2	122.21	14,936.26	85.61	0.01	<0.001	<0.001
Carr Craig, Eyebroughy and Haystack	Inchcolm	44	291.75	85,120.40	27.81	0.04	<0.001	<0.001
	Inchkeith	3,778	282.91	80,039.20	30.36	0.03	0.023	0.013
Catterline to Inverbervie	Rouen Bay	4	166.96	27,875.64	53.21	0.02	<0.001	<0.001
	The Slainges	10	166.21	27,626.43	53.35	0.02	<0.001	<0.001
	Whistleberry	6	167.90	28,189.07	53.05	0.02	<0.001	<0.001
Copinsay SPA	Black Holm	134	81.70	6,675.05	81.49	0.01	0.004	0.002
	Copinsay	1,288	80.66	6,505.71	81.46	0.01	0.036	0.021
	Corn Holm	362	81.46	6,635.57	81.47	0.01	0.010	0.006
	Ward Holm	420	81.08	6,573.48	81.42	0.01	0.011	0.007

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Costa Head	Costa Head	38	126.64	16,036.93	83.20	0.01	<0.001	<0.001
	Costa Hill Cliffs	8	125.90	15,851.57	83.26	0.01	<0.001	<0.001
Deerness	Mull Head - cliff-nesters	4	89.67	8,040.53	82.31	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	-	792	188.04	35,357.91	74.33	0.01	0.004	0.003
East Caithness Cliffs SPA**	-	378	51.90	2,693.61	62.30	0.02	0.033	0.019
East Mainland - Orkney - Tysties	-	986	81.15	6,585.81	81.49	0.01	0.027	0.016
Eynhallow	-	174	121.54	14,771.73	83.33	0.01	0.002	0.001
Faraid Head/Balnakeil	Faraid Head 2	10	164.00	26,897.31	73.90	0.01	<0.001	<0.001
	Faraid Head 3	24	163.43	26,708.38	73.83	0.01	<0.001	<0.001
	Faraid Head 4	184	163.20	26,633.59	73.75	0.01	0.001	0.001
	Faraid Head 5	20	163.36	26,687.47	73.61	0.01	<0.001	<0.001
	Smoo 2	24	162.51	26,410.15	73.71	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Fetlar SPA	Big Holm to Moo Wick	250	287.18	82,474.65	98.25	0.01	<0.001	<0.001
	Horn of Rams Ness to Rams Ness	2	285.40	81,453.16	98.23	0.01	<0.001	<0.001
	HU610870 - SKUA/GBBG	2	285.42	81,466.29	98.22	0.01	<0.001	<0.001
	Klifts to Big Holm	16	288.77	83,386.96	98.26	0.01	<0.001	<0.001
	Moo Wick to Horn of Rams Ness	46	285.97	81,775.98	98.26	0.01	<0.001	<0.001
	Rams Ness to Corbie Head	98	287.46	82,632.68	98.33	0.01	<0.001	<0.001
Findon Ness - Hare Ness	Findon Ness to Black Slough	4	143.98	20,728.80	56.98	0.02	<0.001	<0.001
	Hare Ness to Seal's Cove	20	141.59	20,048.29	57.36	0.02	<0.001	<0.001
	Seal's Cove to Findon Ness	14	142.91	20,422.98	57.17	0.02	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Flotta & Calf of Flotta	Flotta 5	4	77.58	6,017.88	78.98	0.01	<0.001	<0.001
	Flotta 6	8	77.63	6,025.80	78.56	0.01	<0.001	<0.001
Fowlsheugh SPA	Fowlsheugh RSPB	32	161.48	26,075.79	54.01	0.02	<0.001	<0.001
	Swallow Cove - Crawton	242	163.22	26,641.42	53.81	0.02	0.002	0.001
	Thornyhive Bay	8	160.10	25,631.05	54.09	0.02	<0.001	<0.001
	Tremuda/Old Hall Bay	14	159.37	25,399.75	54.16	0.02	<0.001	<0.001
Green Holms	-	66	108.41	11,752.94	83.94	0.01	0.001	0.001
Gulberwick to Fladdabister	Leea Geo to Gardie Taing	26	228.54	52,231.45	94.17	0.01	<0.001	<0.001
	Ness of Setter to Broch of Burriland	10	231.98	53,816.11	94.55	0.01	<0.001	<0.001
	Scarf Taing to Leea Geo	30	229.64	52,735.45	93.99	0.01	<0.001	<0.001
Handa SPA	-	1,444	209.44	43,865.53	70.94	0.01	0.007	0.004

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Heylor to Stenness	Calders Geo	6	267.40	71,500.62	97.54	0.01	<0.001	<0.001
	Dore Holm	4	264.82	70,131.75	97.89	0.01	<0.001	<0.001
	Ockran Head and Hamnavoe	2	272.43	74,217.56	98.00	0.01	<0.001	<0.001
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	Stack o' da Noup	186	208.97	43,666.37	96.13	0.01	0.001	<0.001
Horse of Copinsay	-	10	81.79	6,689.11	81.66	0.01	<0.001	<0.001
Housabister to Catfirth	Hoo Stack	6	248.42	61,712.99	97.74	0.01	<0.001	<0.001
	Little Loch to Eswick Holm	8	249.19	62,095.66	97.79	0.01	<0.001	<0.001
Hoy and South Walls - Tysties	HOY 01 - Tysties	142	77.51	6,007.49	78.44	0.01	0.004	0.003
	HOY 02 - Tysties	232	77.81	6,053.93	77.92	0.01	0.007	0.004
	HOY 03 - Tysties	10	79.71	6,353.05	77.93	0.01	<0.001	<0.001
	HOY 04 - Tysties	2	80.30	6,448.09	77.78	0.01	<0.001	<0.001
	HOY 05 - Tysties	2	81.22	6,597.01	77.41	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	HOY 06 - Tysties	16	82.02	6,726.79	77.55	0.01	<0.001	<0.001
Huxter to Brindister	-	52	255.24	65,145.93	96.28	0.01	<0.001	<0.001
Ireland to Maywick	-	16	218.06	47,551.47	96.73	0.01	<0.001	<0.001
Laxo to Housabister (Nesting)	Hog Island to Dringa Neap	6	254.57	64,805.38	97.95	0.01	<0.001	<0.001
	Teistie Geo to Wick of Neap	18	255.44	65,250.10	97.96	0.01	<0.001	<0.001
	Wick of Neap to Hog Island	2	254.89	64,970.44	97.96	0.01	<0.001	<0.001
Lerwick to Gulberwick	Ruggen to Holm of Sound	4	234.08	54,792.04	97.30	0.01	<0.001	<0.001
	The Knab	4	236.07	55,727.16	95.08	0.01	<0.001	<0.001
Loch of Vaara (Twatt)	Aith Ness	4	263.81	69,596.24	95.18	0.01	<0.001	<0.001
	HU3259 - SKUA/GBBG	4	263.10	69,220.03	95.37	0.01	<0.001	<0.001
	HU3455 ÔÇô SKUA/GBBG	30	268.27	71,966.65	91.43	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Lunan Bay to Arbroath	Auchmithie	10	203.31	41,335.36	46.39	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 4	24	204.71	41,907.00	46.14	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 7	12	200.71	40,286.11	46.86	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 8	6	199.70	39,878.49	47.05	0.02	<0.001	<0.001
Marwick Head SPA	-	24	117.52	13,810.48	81.96	0.01	<0.001	<0.001
Maywick to Scalloway	Maywick to Holms Geo	10	220.79	48,747.34	96.86	0.01	<0.001	<0.001
	South Havra	82	220.49	48,614.96	96.69	0.01	<0.001	<0.001
Melvich to Duncansby Stacks SSSI	Dunnet Head RSPB	408	81.23	6,598.48	75.44	0.01	0.012	0.007
	St Johns Point	26	69.43	4,820.39	76.02	0.01	0.001	0.001
	Ushat Head 1	8	90.41	8,174.51	74.80	0.01	<0.001	<0.001
Mousa SPA	-	40	219.03	47,974.58	96.79	0.01	<0.001	<0.001
Muckle Roe	-	30	266.01	70,759.72	97.84	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Muckle Roe to Ura Firth	Egilsay, whole island	4	263.99	69,690.19	97.87	0.01	<0.001	<0.001
	Gunnister to Ness Head of Hamar	2	268.02	71,834.72	96.25	0.01	<0.001	<0.001
	North Point of Mill Geos to Nibon	4	264.98	70,216.52	95.62	0.01	<0.001	<0.001
Newton Hill	-	4	151.75	23,027.46	55.31	0.02	<0.001	<0.001
Newtonhill - Hall Bay	-	6	148.99	22,196.83	55.94	0.02	<0.001	<0.001
No Ness to Levenwick and Boddam to Virkie	Quinni Geo to Boats Noost	16	213.08	45,403.09	96.35	0.01	<0.001	<0.001
North Sutherland Islands	Eilean Nan Ron 6	26	140.93	19,861.83	71.81	0.01	<0.001	<0.001
	Eilean nan Ron whole island	4	140.16	19,643.42	71.48	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Out Skerries	Bound Skerry	120	272.52	74,264.43	97.82	0.01	<0.001	<0.001
	Bruray	208	274.16	75,165.35	97.64	0.01	<0.001	<0.001
	Filla	64	268.25	71,956.45	97.25	0.01	<0.001	<0.001
	North Benelip	2	269.44	72,598.45	97.34	0.01	<0.001	<0.001
Papa Westray - Tysties	-	56	134.04	17,967.79	86.39	0.01	<0.001	<0.001
Papa Westray (North Hill and Holm) SPA	Holm Of Papa Westray	8	133.69	17,872.48	86.75	0.01	<0.001	<0.001
	North Hill RSPB, Papa Westray	52	138.03	19,051.73	86.90	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Swona	968	69.74	4,863.53	77.87	0.01	0.019	0.011
Portsoy to Cullen	-	32	60.24	3,628.38	57.35	0.02	0.001	0.001
Ramna Stacks and Gruney SPA	Gruney	10	292.86	85,765.22	98.57	0.01	<0.001	<0.001
Rerwick Head to Mirkady Point	Deerness 4	2	97.79	9,563.67	81.61	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Ronas Hill - North Roe and Tingon - CLIFF NESTERS ONLY	Gruna Stack	522	279.47	78,104.60	98.07	0.01	<0.001	<0.001
Ronas Hill - North Roe and Tingon SPA - INLAND	Ketligill Head to Point of Djubi Geo	2	280.33	78,582.11	98.05	0.01	<0.001	<0.001
Rousay SPA	Rousay 1 - RSPB	26	123.20	15,177.50	83.50	0.01	<0.001	<0.001
	Rousay 11	36	121.42	14,743.30	84.08	0.01	<0.001	<0.001
	Rousay 12	38	120.14	14,433.38	84.17	0.01	<0.001	<0.001
	Rousay 13	4	118.73	14,095.63	84.34	0.01	<0.001	<0.001
	Rousay 2	6	123.46	15,241.38	83.63	0.01	<0.001	<0.001
	Rousay 4	90	125.63	15,782.65	83.82	0.01	<0.001	<0.001
	Rousay 5	16	126.40	15,975.70	84.03	0.01	<0.001	<0.001
	Rousay 6	20	125.11	15,652.76	84.13	0.01	<0.001	<0.001
	Rousay 7	40	124.09	15,397.58	84.25	0.01	<0.001	<0.001
	Rousay 8	2	123.42	15,231.51	84.24	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Rysa Little and Cava	-	2	87.65	7,682.35	79.52	0.01	<0.001	<0.001
Sanday	-	16	121.17	14,682.17	85.93	0.01	<0.001	<0.001
Sandness	-	20	242.45	58,783.94	95.14	0.01	<0.001	<0.001
Sandvoe to Fethaland	-	28	291.59	85,025.89	98.46	0.01	<0.001	<0.001
Scalloway Islands	Sanda Stour	2	233.43	54,487.70	97.15	0.01	<0.001	<0.001
	The Nev (Island)	2	234.00	54,757.40	97.17	0.01	<0.001	<0.001
Scalloway Islands South	Cheynies	2	230.49	53,125.64	94.10	0.01	<0.001	<0.001
	Oxna	8	229.38	52,614.27	94.06	0.01	<0.001	<0.001
Shapinsay (Coastal)	Shapinsay 10	6	98.89	9,778.24	82.70	0.01	<0.001	<0.001
	Shapinsay 9	12	97.89	9,581.47	82.62	0.01	<0.001	<0.001
Shiant Isles SPA	Eilean Mhuire	12,584	289.34	83,714.74	66.50	0.02	0.017	0.010
	Galta Beag Group	11,256	292.18	85,367.98	66.71	0.01	0.014	0.009
	Galta Mor Group	22,030	292.88	85,779.28	66.94	0.01	0.028	0.017
	Garbh Eilean	83,520	290.85	84,593.72	66.64	0.02	0.108	0.064

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Skeld, Westerwick and Culswick	Burga Stacks to Caves	14	233.90	54,710.61	96.27	0.01	<0.001	<0.001
	Giltarump Stack	2	232.03	53,836.53	96.83	0.01	<0.001	<0.001
	Skeld, Westerwick and Culswick	14	240.34	57,764.76	96.19	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	34	233.40	54,477.43	96.00	0.01	<0.001	<0.001
	Westerwick to West of The Nev	6	232.56	54,085.55	95.86	0.01	<0.001	<0.001
Smoo to Melvich	Melvich 5	12	117.26	13,750.85	71.60	0.01	<0.001	<0.001
	Strathy 1	22	119.56	14,295.55	71.88	0.01	<0.001	<0.001
South Ronaldsay	Burwick - Sandwick	4	71.09	5,054.21	78.09	0.01	<0.001	<0.001
	Hoxa Head (inland)	2	78.36	6,139.98	78.76	0.01	<0.001	<0.001
	Stews - Windwick	12	70.94	5,032.77	78.69	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	The Altar - Quindry	32	77.66	6,031.70	78.90	0.01	<0.001	<0.001
	Windwick - Burwick	38	70.96	5,035.75	78.36	0.01	0.001	<0.001
South Ronaldsay (West)	-	6	75.33	5,673.86	78.62	0.01	<0.001	<0.001
South Walls	-	2	78.24	6,121.50	78.31	0.01	<0.001	<0.001
St. Ninian's Isle	Hich Holm	16	213.25	45,474.71	96.34	0.01	<0.001	<0.001
	St. Ninian's Isle	128	213.46	45,565.17	96.37	0.01	<0.001	<0.001
Stenness to Hillswick	Sandwick to Zoar Burn	10	267.83	71,733.44	97.30	0.01	<0.001	<0.001
	Zoar Burn to Braewick	8	267.82	71,729.16	97.42	0.01	<0.001	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	2	158.17	25,018.70	54.27	0.02	<0.001	<0.001
Stromness Area, Hundland	Yesnaby 1	10	107.94	11,650.40	81.02	0.01	<0.001	<0.001
	Yesnaby 2	34	109.57	12,006.46	80.85	0.01	<0.001	<0.001
Stronsay	-	2	99.99	9,998.80	84.36	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Sumburgh Head Quarries	-	42	203.45	41,393.12	95.93	0.01	<0.001	<0.001
Sumburgh Head SPA	Grutness Pier to Greystane Geo	2	202.98	41,199.26	95.93	0.01	<0.001	<0.001
	Sandwick to Virkie: Boddam to Virkie within SPA	82	205.71	42,315.37	96.06	0.01	<0.001	<0.001
	Sumburgh Head	908	201.97	40,791.88	95.88	0.01	0.002	0.001
Sumburgh to Peerie Voe of Spiggie	Burn of Garth to Broad Stack	12	204.12	41,665.38	95.93	0.01	<0.001	<0.001
	Cloki Stack to Peerie Voe	4	211.40	44,688.27	96.23	0.01	<0.001	<0.001
	Colsay	186	211.50	44,730.14	96.27	0.01	<0.001	<0.001
	Kame to Corbie Geo	14	209.42	43,855.48	96.14	0.01	<0.001	<0.001
	Landvillas to Scarfi Taing	194	208.41	43,435.98	96.06	0.01	<0.001	<0.001
	Scarfi Taing to Noup o' Noss	332	208.90	43,639.63	96.09	0.01	0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Stack o' da Noup to Kame	160	209.34	43,821.14	96.12	0.01	<0.001	<0.001
	Stack of Barons Geo to The Nev	6	205.39	42,183.41	95.95	0.01	<0.001	<0.001
	The Kame to Landvillas	116	207.65	43,116.86	96.03	0.01	<0.001	<0.001
	The Nev to The Kame	174	206.93	42,821.27	95.99	0.01	<0.001	<0.001
	Whale Stack to Cloki Stack	68	209.95	44,077.74	96.14	0.01	<0.001	<0.001
Switha	-	42	76.44	5,843.38	78.41	0.01	0.001	<0.001
Troup, Pennan and Lion's Heads SPA	More Head-Crovie Pier (+Craigandargity skerry)	2	59.87	3,584.54	62.68	0.02	<0.001	<0.001
	Pennan Head	42	61.14	3,737.49	64.34	0.02	0.001	0.001
	Troup & Lion's Head RSPB (Coast & Reserve)	18	59.63	3,555.38	63.84	0.02	0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Ulsta to Whalefirth (Yell)	Fogla Lee to Ern Stack	22	296.76	88,064.12	98.60	0.01	<0.001	<0.001
Walls to Dales	Footabrough to Dogs Head (cliffs-nesters)	16	237.73	56,515.55	94.59	0.01	<0.001	<0.001
	Point of Hus to Hevdigarth	6	236.81	56,077.56	94.36	0.01	<0.001	<0.001
	Quinni Geo to Uskie Geo	8	235.78	55,594.09	94.23	0.01	<0.001	<0.001
West Burra - Shetland	-	4	222.80	49,639.39	94.58	0.01	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	34	134.14	17,993.27	85.90	0.01	<0.001	<0.001
	West Westray 1	2	135.06	18,240.66	86.00	0.01	<0.001	<0.001
	West Westray 4	38	132.31	17,505.41	85.83	0.01	<0.001	<0.001
	West Westray 5	16	131.07	17,178.30	85.74	0.01	<0.001	<0.001
	West Westray 6	22	129.39	16,741.51	85.54	0.01	<0.001	<0.001
	West Westray 7	2	128.22	16,441.14	85.43	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Westray - Rapness	-	3,068	125.92	15,856.35	85.70	0.01	0.017	0.010
Westray and adjacent Holms - Tysties	-	142	132.72	17,613.27	86.27	0.01	0.001	<0.001
Whalsay	Colvigirts to Veeda Stack	2	260.26	67,736.31	97.84	0.01	<0.001	<0.001
	Kirni Geo to Croo Geos	38	263.12	69,230.56	97.95	0.01	<0.001	<0.001
	Meo Ness to the Haa	18	257.79	66,455.17	98.06	0.01	<0.001	<0.001
	Sandwick to Symbister Pier	14	259.54	67,362.05	96.22	0.01	<0.001	<0.001
Yell - East Coast	SE Yell (inc. Burravoe)	214	281.30	79,130.25	98.39	0.01	<0.001	<0.001
Yell Sound Islands	Bigga	4	281.66	79,331.23	97.67	0.01	<0.001	<0.001
	Lunna Holm	100	271.71	73,826.32	98.16	0.01	<0.001	<0.001
	Uynarey	16	282.60	79,859.93	97.84	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Yesnaby to Marwick (West Mainland)	Grid Square HY2217	10	108.99	11,879.04	81.49	0.01	<0.001	<0.001
	Grid Square HY2221	6	113.01	12,771.26	81.79	0.01	<0.001	<0.001
* Applying correction factor x 2.00 for total adult breeding numbers (Hughes <i>et al.</i> 2019 ⁴ ; Mitchell <i>et al.</i> 2004 ⁵). ** Counts from Swann (2016 ⁶) SNH report.								

2.5

Gannet

2.5.1.1

Table 2-5 provides the gannet breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-5: Gannet breeding season apportioning calculations based on the NatureScot Apportionment methodology.

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting weight	Proportional weight
Designated Sites Screened in for Assessment								
Sule Skerry and Sule Stack SPA	Sule Skerry	6,548	154.32	23,813.43	87.16	0.01	0.042	0.025
	Sule Stack	9,100	155.41	24,153.51	86.77	0.01	0.057	0.034
Fair Isle SPA	-	11,184	161.00	25,919.71	84.01	0.01	0.068	0.040
Forth Islands SPA	-	162,000	261.70	68,484.80	47.61	0.02	0.658	0.391
North Rona and Sula Sgeir SPA	-	18,990	252.62	63,814.84	86.89	0.01	0.045	0.027
Noss SPA	-	24,670	239.58	57,396.18	83.20	0.01	0.068	0.041
Hermaness, Saxa Vord and Valla Field SPA	-	39,606	319.56	102,118.59	85.91	0.01	0.060	0.036
Additional Colonies and Non-designated Sites								
Flannan Isles SPA	-	10,560	339.48	115,244.63	81.50	0.01	0.015	0.009
Foula SPA	-	4,227	222.52	49,512.93	86.88	0.01	0.013	0.008

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia OWF (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting weight	Proportional weight
Marwick Head - SPA	-	58	117.52	13,810.48	86.40	0.01	0.001	<0.001
Mingulay and Berneray SPA	-	30	438.40	192,192.81	69.23	0.01	<0.001	<0.001
Rockall	-	56	408.91	167,209.84	80.05	0.01	<0.001	<0.001
St Abb's Head to Fast Castle SPA	-	236	273.36	74,725.69	47.50	0.02	0.001	0.001
St Kilda SPA	-	120,580	402.55	162,046.50	81.97	0.01	0.120	0.071
Troup, Pennan and Lion's Heads SPA	-	8,752	59.63	3,555.38	69.26	0.01	0.470	0.280
West Westray SPA	-	2,772	134.14	17,993.27	86.94	0.01	0.023	0.014

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