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Volume 8 Additional Information

Appendix 15: Ornithology Apportioning Results (Caledonia South)

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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), specifically to inform the consent application for Caledonia South, 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 12: Ornithology Apportioning Technical Report (Caledonia South).

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 South Site (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	59.62	3,554.54	63.44	0.02	2.573	0.397
North Caithness SPA	Duncansby Head	1,176	67.93	4,614.21	77.94	0.01	0.039	0.006
	Dunnet Head 2	146	88.49	7,830.48	77.63	0.01	0.003	<0.001
	Dunnet Head 3	6,826	89.80	8,063.50	77.36	0.01	0.130	0.020
	Holburn Head 2	74	101.19	10,239.42	75.75	0.01	0.001	<0.001
	Holburn Head 3	2	102.10	10,424.00	75.65	0.01	<0.001	<0.001
	Little Clett	10	86.96	7,561.17	77.62	0.01	<0.001	<0.001
	Melvich 1	510	119.89	14,373.61	74.21	0.01	0.006	0.001
	Melvich 2	178	120.68	14,564.63	73.92	0.01	0.002	<0.001
	Melvich 3	3,644	121.63	14,793.86	73.85	0.01	0.040	0.006
	Sandside Head 1	3,168	117.90	13,900.88	74.38	0.01	0.030	0.006
	Sandside Head 2	1,024	119.05	14,172.66	74.34	0.01	0.012	0.002
	Skirza Head	1,138	64.61	4,174.06	77.57	0.01	0.042	0.006

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
	Stacks of Duncansby	564	66.34	4,401.39	76.23	0.01	0.020	0.003
	Stroma	148	74.52	5,553.83	78.37	0.01	0.004	0.001
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	4,786	53.70	2,883.15	65.40	0.02	0.301	0.043
	Crovie to Collie Head	1,516	51.28	2,630.05	64.28	0.02	0.106	0.016
	More Head-Crovie Pier (+Craigandargit y skerry)	224	51.75	2,678.37	63.64	0.02	0.016	0.002
	Pennan Head	1,110	53.02	2,810.80	65.10	0.02	0.072	0.011
	Troup & Lion's Head RSPB (Coast & Reserve)	19,706	51.51	2,653.18	64.65	0.02	1.361	0.210
	West Quarry Head	2	54.14	2,931.57	65.45	0.02	<0.001	<0.001
Copinsay SPA	Copinsay	670	88.78	7,881.36	81.91	0.05	0.012	0.002

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Hoy SPA	HOY17	456	91.11	8,301.03	79.12	0.01	0.008	0.001
	Old Man of Hoy to Rora Head	58	104.11	10,839.10	80.11	0.01	0.001	<0.001
	Hoy RSPB Reserve	76	104.48	10,916.07	80.09	0.01	0.001	<0.001
	HOY8	18	106.08	11,252.33	80.40	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	27,094	95.45	9,110.32	64.67	0.02	0.545	0.084
Rousay SPA	Rousay 12	60	128.26	16,449.86	84.04	0.01	0.001	<0.001
	Rousay 11	108	129.54	16,780.61	83.99	0.01	0.001	<0.001
	Rousay 1 - RSPB	464	131.32	17,243.63	83.59	0.01	0.004	0.001
	Rousay 8	12	131.53	17,301.19	84.11	0.01	<0.001	<0.001
	Rousay 7	12	132.21	17,478.43	84.11	0.01	<0.001	<0.001
	Rousay 4	306	133.74	17,888.26	83.86	0.01	0.002	<0.001
Marwick Head SPA	-	2,878	125.90	15,851.57	82.40	0.01	0.026	0.004

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Calf of Eday SPA	Eday 20	6	125.91	15,853.33	85.16	0.01	<0.001	<0.001
	Eday 1	286	127.35	16,219.04	85.16	0.01	0.002	<0.001
	Eday 4	32	129.24	16,702.46	85.17	0.01	<0.001	<0.001
West Westray SPA	West Westray 6	852	137.51	18,908.18	85.33	0.01	0.006	0.001
	West Westray 5	990	139.18	19,372.19	85.41	0.01	0.007	0.001
	West Westray 4	3,166	140.43	19,719.46	85.46	0.01	0.022	0.003
	Noup Cliffs RSPB (West Westray 2)	2,972	142.26	20,237.34	85.53	0.01	0.020	0.003
	West Westray 1	24	143.18	20,499.37	85.17	0.01	<0.001	<0.001
Fowlsheugh SPA	Fowlsheugh RSPB	30,966	153.09	23,437.77	53.88	0.02	0.291	0.045
	Swallow Cove - Crawton	4,312	154.84	23,974.50	53.65	0.02	0.040	0.006
	Thornyhive Bay	3,342	151.71	23,016.23	54.00	0.02	0.032	0.005
	Tremuda/Old Hall Bay	1,536	150.99	22,797.07	54.09	0.02	0.015	0.002

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Cape Wrath SPA	Cape Wrath 3	24	183.98	33,848.27	76.82	0.01	<0.001	<0.001
	Sandwood Bay - Geodha Ruadh na Fola	40	192.99	37,244.37	76.25	0.01	<0.001	<0.001
	An Garbh-Eilean	72	177.47	31,494.18	76.55	0.01	<0.001	<0.001
	Clo Mor 5	196	177.51	31,508.74	76.47	0.01	0.001	<0.001
	Clo Mor 8	510	179.09	32,073.23	76.43	0.01	0.002	<0.001
	Cape Wrath 4	586	184.48	34,034.35	76.95	0.01	0.003	<0.001
	Clo Mor 11	654	182.26	33,219.44	76.43	0.01	0.003	<0.001
	Clo Mor 10	918	180.87	32,712.87	76.50	0.01	0.004	0.001
	Clo Mor 7	1,360	178.08	31,711.77	76.47	0.01	0.007	0.001
	Clo Mor 9	2,296	180.07	32,423.76	76.39	0.01	0.011	0.002
Fair Isle SPA	-	896	167.08	27,917.06	90.74	0.01	0.004	0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (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	208.54	43,488.51	94.27	0.01	0.001	<0.001
	Grutness Pier to Greystane Geo	141	209.06	43,707.76	94.28	0.01	<0.001	<0.001
	Sandwick to Virkie: Boddam to Virkie within SPA	2	211.80	44,857.12	94.42	0.01	<0.001	<0.001
	Sumburgh Head	254	208.06	43,287.72	94.22	0.01	0.001	<0.001
Foula SPA	-	1,193	228.60	52,258.87	94.43	0.01	0.003	<0.001
North Rona and Sula Sgeir SPA	North Rona	894	242.8	55,010.42	84.59	0.01	0.002	<0.001
	Sula Sgeir	530	261.0	63,874.98	85.32	0.01	0.001	<0.001
Forth Islands SPA	Bass Rock	1,346	253.31	64,165.96	40.24	0.02	0.006	0.001
	Craighleith	1,320	254.96	65,002.56	39.10	0.03	0.006	0.001
	Fidra	664	256.22	65,650.23	38.29	0.03	0.003	<0.001
	Isle of May	10,886	240.06	57,628.32	42.45	0.02	0.053	0.008
Noss SPA	-	154	245.66	60,349.82	95.55	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (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	Moorburn Point to Fast Castle	264	263.39	69,373.77	44.38	0.02	0.001	<0.001
	Broadhaven to Moorburn Point	886	263.80	69,592.55	44.72	0.02	0.003	0.001
	St Abb's Head NNR	10,842	264.97	70,211.22	44.99	0.02	0.041	0.006
Handa SPA	-	9,178	217.83	47,448.17	72.68	0.01	0.032	0.005
Hermaness, Saxa Vord and Valla Field SPA	Muckle Flugga	12	324.40	105,234.71	98.74	0.01	<0.001	<0.001
	Hermaness	154	325.65	106,046.62	98.57	0.01	<0.001	<0.001
	Norwick Hevda to Hols Hellier	24	327.09	106,985.25	98.72	0.01	<0.001	<0.001
	Saxavord	188	327.13	107,014.04	98.73	0.01	<0.001	<0.001
Shiant Isles SPA	Eilean Mhuire	1,364	297.72	88,637.20	68.95	0.01	0.003	<0.001
	Garbh Eilean	186	299.24	89,541.59	69.07	0.01	<0.001	<0.001
	Eilean an Taighe	248	299.49	89,691.86	69.00	0.01	<0.001	<0.001
	Galta Beag Group	386	300.56	90,338.12	69.07	0.01	0.001	<0.001
	Galta Mor Group	134	301.27	90,761.20	69.26	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (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	278.91	77,788.56	45.03	0.02	0.007	0.001
	Berwick 4	934	275.09	75,673.41	45.28	0.02	0.003	<0.001
Bigton to Maywick	Griskerry to Taing of Maywick	44	223.17	49,806.19	94.95	0.01	<0.001	<0.001
Bressay	HU5139 ÔÇô SKUA/GBBG	54	242.26	58,691.36	94.81	0.01	<0.001	<0.001
	The Ord	92	238.94	57,093.76	94.61	0.01	<0.001	<0.001
Brough of Birsay	Brough of Birsay 2		128.81	16,590.73	82.84	0.01	<0.001	<0.001
Burn of Daff	Black Slough to Burn of Daff	606	137.53	21,257.93	56.56	0.02	0.007	0.001
	Burn of Daff to Newtonhill	1,580	139.46	21,824.74	56.17	0.02	0.017	0.003
Butt of Lewis to Gress - Lewis	Buaile nan Caorach	186	263.81	69,596.77	79.56	0.01	<0.001	<0.001
	Lobaid	42	261.10	68,171.64	76.75	0.01	<0.001	<0.001
	Spainneavaig	196	259.05	67,108.97	79.26	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
	Tom Loch Bacavat	70	258.95	67,055.10	77.85	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head - Kittiwake	90	53.73	2,886.91	74.38	0.01	0.005	0.001
Carr Craig, Eyebroughy and Haystack	Inchcolm	132	283.37	80,297.99	30.04	0.03	0.001	<0.001
	Inchkeith	804	274.53	75,365.07	32.45	0.03	0.004	0.001
Catterline to Inverbervie	Darn Bay	20	161.36	26,035.44	52.53	0.02	<0.001	<0.001
	Kineff	222	160.24	25,676.86	52.76	0.02	0.002	<0.001
	Little John's Haven	12	160.59	25,788.51	52.66	0.02	<0.001	<0.001
	Rouen Bay	348	158.57	25,145.71	53.02	0.02	0.003	<0.001
	Swirl Cove	83	159.02	25,287.68	52.95	0.02	0.001	<0.001
	The Slainges	1,934	157.83	24,909.05	53.15	0.02	0.017	0.003
	Whistleberry	862	159.51	25,443.44	52.85	0.02	0.008	0.001
	Yellow Ark	244	161.80	26,179.89	52.42	0.02	0.002	<0.001
Costa Head	-	46	135.02	18,231.21	83.44	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Dale to Huxter -		2	248.94	6,1971.62	94.72	0.01	<0.001	<0.001
Deerness	Deerness 10	10	92.52	8,559.03	82.19	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	Am Balg	296	196.42	38,581.60	75.74	0.01	0.001	<0.001
	Droman - Sandwood Bay	5	201.96	40,788.25	74.80	0.01	<0.001	<0.001
	Sandwood Bay Stack	26	196.35	38,553.32	75.46	0.01	<0.001	<0.001
Eye Peninsula - Lewis	Bagh a Tuath	48	267.40	71,501.69	73.92	0.01	0.001	<0.001
	Chicken Head	20	274.09	75,123.68	73.55	0.01	<0.001	<0.001
	Eilean Mor Bayble	30	271.11	73,501.17	73.91	0.01	<0.001	<0.001
	Rubh' a' Chaise	104	269.93	72,862.20	73.99	0.01	<0.001	<0.001
	Rubha Deas	14	265.20	70,331.04	74.00	0.01	<0.001	<0.001
	Stac Shurardail	56	275.46	75,880.42	73.62	0.01	<0.001	<0.001
	Tiumpan Head	62	263.42	69,391.15	74.27	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Eyemouth to Burnmouth	Eyemouth to Burnmouth 1	120	269.89	72,840.61	45.21	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 2	342	269.04	72,380.37	45.27	0.02	0.001	<0.001
	Eyemouth to Burnmouth 3	12	269.05	72,390.05	45.25	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 4	124	268.78	72,244.84	45.27	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 5	228	268.58	72,137.37	45.30	0.02	0.001	<0.001
	Eyemouth to Burnmouth 6	316	268.36	72,017.09	45.32	0.02	0.001	<0.001
	Eyemouth to Burnmouth 7	276	268.24	71,950.55	45.35	0.02	0.001	<0.001
Eynhallow	-	76	129.66	16,810.94	83.45	0.01	0.001	<0.001
Faraid Head/Balnakeil	Faraid Head 2	60	172.39	29,717.97	75.52	0.01	<0.001	<0.001
	Faraid Head 3	364	171.81	29,519.71	75.47	0.01	0.002	<0.001
	Faraid Head 4	232	171.58	29,441.07	75.39	0.01	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Farne Islands SPA	Farne Islands	5,790	292.56	85,593.69	48.52	0.02	0.017	0.003
Fethaland to North Roe	Lanyar Taing to Lotaki Kame	4	301.10	90,660.61	97.72	0.01	<0.001	<0.001
Fetlar	Fetlar RSPB	128	302.56	91,543.76	97.68	0.01	<0.001	<0.001
Fetlar SPA	Big Holm to Moo Wick	124	293.27	86,008.47	98.01	0.01	<0.001	<0.001
	Funzie Bay to Wick of Aith	12	295.35	87,231.62	97.60	0.01	<0.001	<0.001
	Kliffs to Big Holm	24	294.86	86,940.06	98.01	0.01	<0.001	<0.001
	Lamb Hoga	134	295.98	87,604.16	98.05	0.01	<0.001	<0.001
	Strandburgh Ness	68	299.13	89,475.77	98.02	0.01	<0.001	<0.001
Findon Ness - Hare Ness	Findon Ness to Black Slough	160	135.59	18,384.38	57.00	0.02	0.002	<0.001
	Hare Ness to Seal's Cove	1,624	133.21	17,743.84	57.39	0.02	0.019	0.003
	Seal's Cove to Findon Ness	570	134.52	18,096.71	57.18	0.02	0.007	0.001

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Firth of Forth SPA	Dunbar Coast	2,310	259.50	67,340.25	41.02	0.02	0.010	0.002
Fitful	Siggart Ness	132	209.94	44,076.06	94.24	0.01	<0.001	<0.001
Fraserburgh	Fraserburgh Harbour	162	56.13	3,151.03	67.90	0.01	0.009	0.001
Girdle Ness to Hare Ness	Cove Bay	2,646	130.69	17,080.40	57.87	0.02	0.032	0.005
	Cove to Hare Ness	722	131.81	17,373.88	57.65	0.02	0.009	0.001
	Greg Ness - Seals Hole	782	128.50	16,512.76	58.32	0.02	0.010	0.001
Green Holms	Muckle Green Holm	64	116.53	13,579.24	83.89	0.01	0.001	<0.001
Hall Bay to Craigeven Bay	Perthumie Bay 1	158	144.36	20,838.94	55.17	0.02	0.002	<0.001
Heylor to Stenness	Calders Geo	72	273.48	74,792.95	96.92	0.01	<0.001	<0.001
	Ockran Head and Hamnavoe	152	278.52	77,571.16	97.36	0.01	<0.001	<0.001
	Stenness	65	271.75	73,845.89	97.25	0.01	<0.001	<0.001
Holm	Gultak	22	90.01	8,102.16	81.50	0.01	<0.001	<0.001

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Hopeman Bay	Covesea	1,398	75.04	5,631.15	50.96	0.02	0.058	0.009
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	Horse Island (HU30)	44	206.54	42,657.53	94.10	0.01	<0.001	<0.001
Horse of Copinsay	Horse of Copinsay	314	89.91	8,082.91	82.04	0.01	0.006	0.001
Howick - Cullornose Point - Dunstanburgh Castle Point	Cullernose Point	184	312.28	97,521.30	47.31	0.02	<0.001	<0.001
	Dunstanburgh Castle	628	309.01	95,489.03	47.53	0.02	0.002	<0.001
	Howick	1,280	312.89	97,897.02	47.26	0.02	0.003	0.001
Hoy and Southwalls	HOY22	66	85.40	7,292.99	79.65	0.01	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Huxter to Brindister	Brough Skerries to Corn Head	1	257.24	66,172.42	94.43	0.01	<0.001	<0.001
	Neap of Norby to The Kamer	38	254.75	64,897.56	96.67	0.01	<0.001	<0.001
	Staraster to Shaabers Head	42	261.32	68,290.23	95.77	0.01	<0.001	<0.001
	The Kamer to Bay of Garth	8	255.93	65,502.21	94.56	0.01	<0.001	<0.001
Lunan Bay to Arbroath	Auchmithie	7	194.93	37,995.76	46.19	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 1	204	199.05	39,619.31	45.48	0.02	0.001	<0.001
	Whiting Ness to Ethie Haven 4	864	196.33	38,543.90	45.97	0.02	0.006	0.001
Maryick to Scalloway	Holm 4	10	226.58	51,336.23	95.22	0.01	<0.001	<0.001
Maywick to St. Ninians Isle	Ness of Ireland	84	222.01	49,290.22	95.00	0.01	<0.001	<0.001
Montrose to Lunan Bay	Buckiemill	740	187.68	35,223.03	47.10	0.02	0.005	0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Newton Hill	Doonie Point to Hall Bay	4	143.36	20,552.95	55.38	0.02	<0.001	<0.001
Newtonhill - Hall Bay	May Craig - Muchalls	468	141.27	19,956.37	55.84	0.02	0.005	0.001
	Newtonhill - May Craig	596	140.60	19,768.64	55.99	0.02	0.006	0.001
No Ness to Levenwick and Boddam to Virkie	Noness	76	223.08	49,762.90	95.17	0.01	<0.001	<0.001
	Troswick Beach to Boddam	42	216.29	46,780.93	94.52	0.01	<0.001	<0.001
	Troswick Ness	40	217.74	47,409.40	94.63	0.01	<0.001	<0.001
North Mainland 22 - Black Hill to Boat Geo South	HU 3066 - SKUA/GBBG	4	266.88	71,225.47	94.28	0.01	<0.001	<0.001
North Sutherland Islands	Eilean Iosal	141	149.13	22,239.16	74.11	0.01	0.001	<0.001
	Eilean Nan Ron 6	300	149.32	22,295.57	73.86	0.01	0.002	<0.001
North Sutor to Shandwick	North Sutor Of Cromarty/Castle craig	904	104.84	10,991.01	40.17	0.02	0.024	0.004

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Old Hill - Lewis	Old Hill Whole Island	186	308.15	94,953.34	78.98	0.01	<0.001	<0.001
	Old Hill/South East Side	32	308.25	95,014.98	78.97	0.01	<0.001	<0.001
	Old Hill/West Side	1,326	307.57	94,599.30	78.89	0.01	0.002	<0.001
Out Skerries	Housay	44	243.13	59,113.66	93.41	0.01	<0.001	<0.001
Papa Stour SPA	Papa Stour Whole Island	50	254.57	64,807.41	96.57	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Muckle Skerry	352	68.89	4,745.28	78.89	0.01	0.011	0.002
	Swona	1	78.13	6,103.52	79.19	0.01	<0.001	<0.001
Peterhead	Peterhead South Harbour (urban)	66	83.49	6,970.08	67.29	0.01	0.002	<0.001
Portknockie	Portknockie	62	54.92	3,016.21	58.15	0.02	0.004	0.001
Portsoy to Cullen	Findlater	158	53.68	2,881.44	59.00	0.02	0.011	0.002
	Garron Point	434	54.15	2,932.01	59.13	0.02	0.030	0.005
	Redhythe Point	440	54.42	2,961.32	59.35	0.02	0.030	0.005

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Ramna Stacks and Gruney SPA	Fladda	156	298.77	89,263.51	98.14	0.01	<0.001	<0.001
	Outer Stack	4	299.18	89,511.07	98.17	0.01	<0.001	<0.001
Ronas Hill - North Roe and Tingon – Cliff nesters only	Galti Stack	102	282.73	79,935.12	97.47	0.01	<0.001	<0.001
Rosehearty to Bay of Cullen	Head of Garness	6	51.46	2,648.23	62.67	0.02	<0.001	<0.001
	Snow Craig	50	51.69	2,672.06	63.11	0.02	0.004	0.001
Rousay - South East	Trumland RSPB	254	126.42	15,981.76	83.39	0.01	0.002	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (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	320.78	102,896.60	68.05	0.01	<0.001	<0.001
	Creag na h-Eiginn - The Aird	418	314.98	99,214.92	66.93	0.01	0.001	<0.001
	Fladda Chuain to Gearran Island	928	316.20	99,982.44	68.47	0.01	0.002	<0.001
	Flodigarry - Creag na h-Eiginn	400	316.40	100,107.06	66.36	0.02	0.001	<0.001
	South Lub Score	98	322.01	103,689.80	67.58	0.01	<0.001	<0.001
	The Aird - Rubha Hunish	16	315.25	99,379.41	67.33	0.01	<0.001	<0.001
Sanday - Stove to Kettletoft	Starrie Geo	102	122.70	15,056.03	84.90	0.01	0.001	<0.001
Sandvoe to Uyea	Sandvoe 3	8	295.32	87,216.26	97.56	0.01	<0.001	<0.001
Scapa Bay to St. Marys	Holm 4	46	97.50	9,506.45	81.39	0.01	0.001	<0.001
Seahouses	Seahouses 1	412	297.88	88,734.28	47.77	0.02	0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
SE Lewis	Rubha na Creige Moire	22	287.17	82,465.46	71.17	0.01	<0.001	<0.001
Shapinsay (Coastal)	Shapinsay 8	26	106.19	11,276.53	82.71	0.01	<0.001	<0.001
	Shapinsay 9	8	106.00	11,236.64	82.83	0.01	<0.001	<0.001
Skeld, Westerwick and Culswick	Burga Stacks to Caves	2	239.99	57,595.20	95.41	0.01	<0.001	<0.001
	Scarvister to West Mouli Geo	26	238.49	56,879.39	93.97	0.01	<0.001	<0.001
	Skeld, Westerwick and Culswick	30	246.43	60,727.74	95.37	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	54	239.49	57,355.94	95.13	0.01	<0.001	<0.001
	Westerwick to West of The Nev	100	238.65	56,953.82	94.99	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Skye	Biod a' Choltraiche to Creag an Fhithich	138	334.37	111,800.62	68.40	0.01	<0.001	<0.001
	Rubha Riadhain	78	333.72	111,366.37	65.95	0.02	<0.001	<0.001
	Vaternish Point to Waterfall	190	336.32	113,113.16	68.87	0.01	<0.001	<0.001
Smoo to Melvich	Cleit An t-Seabhaig	50	160.04	25,613.12	74.94	0.01	<0.001	<0.001
	Rubha Thormaid	50	157.08	24,674.75	74.83	0.01	<0.001	<0.001
South Ronaldsay	Quindry - Hoxa - Dam of Hoxa	2	86.02	7,399.10	79.68	0.01	<0.001	<0.001
	The Altar - Quindry	68	85.78	7,358.55	80.04	0.01	0.001	<0.001
	Windwick - Burwick	32	79.08	6,253.80	79.54	0.01	0.001	<0.001
South Sutor	South Sutor 3	132	107.10	11,470.41	39.64	0.03	0.003	0.001
St. Ninian's Isle	Hich Holm	56	219.34	48,107.84	94.76	0.01	<0.001	<0.001
	St. Ninian's Isle	78	219.55	48,201.32	94.79	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Stoer Headland	Point of Stoer - Cluas Deas	514	242.86	58,980.49	63.80	0.02	0.002	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	534	149.79	22,436.15	54.23	0.02	0.005	0.001
	Strathlethan Bay	148	149.01	22,203.98	54.28	0.02	0.001	<0.001
Stromsay	Burgh Head 1	21	108.61	11,795.48	84.17	0.01	<0.001	<0.001
	Carlin Geo 1	188	108.38	11,746.87	84.00	0.01	0.002	<0.001
	Rothiesholm Head 2	98	111.10	12,343.65	84.10	0.01	0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	332	162.70	26,471.62	82.17	0.01	0.002	<0.001
	Sule Stack	102	163.80	26,830.44	81.54	0.01	0.001	<0.001
Sumburgh Head Quarries	Compass Head	70	209.54	43,907.01	94.27	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Sumburgh to Peerie Voe of Spiggie	Broad Stack to Stack of Barons Geo	113	210.04	44,118.06	94.25	0.01	<0.001	<0.001
	Corbie Geo to Whale Stack	2	215.71	46,528.65	94.51	0.01	<0.001	<0.001
	Landvillas to Scarfi Taing	282	214.50	46,010.25	94.44	0.01	0.001	<0.001
	The Nev to The Kame	28	213.02	45,377.95	94.37	0.01	<0.001	<0.001
The Taing - The Nev	Hinda Stack - The Nev	56	318.45	101,411.68	98.66	0.01	<0.001	<0.001
	The Taing - Hinda Stack	100	321.04	103,068.61	98.65	0.01	<0.001	<0.001
Toe Head - Harris	Toe Head 3	150	355.58	126,439.27	75.49	0.01	<0.001	<0.001
	Toe Head 4	224	356.19	126,871.32	75.47	0.01	<0.001	<0.001
Uyea	Uyea	24	291.68	85,078.39	97.58	0.01	<0.001	<0.001
Vaila	Vaila	44	243.13	59,113.66	93.41	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Walls to Dales	Dogs Head to Treawick	16	244.42	59,742.11	94.33	0.01	<0.001	<0.001
	Point of Hus to Hevdigarth	20	242.89	58,997.50	93.84	0.01	<0.001	<0.001
	Treawick to Burrier Head	3	244.64	59,848.24	94.44	0.01	<0.001	<0.001
West Burra - Shetland	Kettlaness (KI & SA only)	72	228.60	52,259.79	93.37	0.01	<0.001	<0.001
	West Burra	130	231.07	53,393.34	93.27	0.01	<0.001	<0.001
	Whale Wick to Sandwick (incl. Ramna Geo)	58	231.44	53,562.16	93.18	0.01	<0.001	<0.001
Westray	Westray 10	758	132.32	17,507.52	84.85	0.01	0.006	0.001
Whalsay	Meo Ness to the Haa	64	263.88	69,631.07	97.53	0.01	<0.001	<0.001
Yell - East Coast	SE Yell (inc. Burravoe)	154	287.39	82,592.44	97.97	0.01	<0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2112	12	112.16	12,580.09	81.52	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Total Weighting	Total Proportion
Yesnaby to Marwick (West Mainland)	Row Head	2	119.10	14,185.05	82.19	0.01	<0.001	<0.001
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	Sands of Forvie	946	104.17	10,851.18	62.41	0.02	0.017	0.003
* 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 South Site (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	59.47	3,536.68	50.10	0.02	2.044	0.652
North Caithness Cliffs SPA	Auckengill within SPA	47	63.56	4,040.25	76.76	0.01	<0.001	<0.001
	Skirza Head	8,804	64.61	4,174.06	78.02	0.01	0.049	0.016
	Stacks of Duncansby	1,273	66.34	4,401.39	79.39	0.01	0.007	0.002
	Duncansby Head	15,146	67.93	4,614.21	79.61	0.01	0.075	0.024
	Stroma Island	12,211	74.52	5,553.83	77.84	0.01	0.051	0.016
	Dunnet Head 1	3,453	87.90	7,725.53	69.66	0.01	0.012	0.004
	Dunnet Head 2	1,300	88.49	7,830.48	69.84	0.01	0.004	0.001
	Dunnet Head 3	14,709	89.80	8,063.50	69.40	0.01	0.048	0.015
	Dunnet Head 4	55	92.76	8,604.23	66.93	0.01	<0.001	<0.001
	Holburn Head 2	87	101.19	10,239.42	60.03	0.02	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Holburn Head 3	36	102.10	10,424.00	59.75	0.02	<0.001	<0.001
	Sandside Head 1	986	117.90	13,900.88	51.72	0.02	0.002	0.001
	Sandside Head 2	1,202	119.05	14,172.66	51.52	0.02	0.003	0.001
	Melvich 1	1,017	119.89	14,373.61	50.62	0.02	0.003	0.001
	Melvich 2	456	120.68	14,564.63	50.34	0.02	0.001	<0.001
	Melvich 3	1,320	121.63	14,793.86	50.34	0.02	0.003	0.001
Troup, Pennan and Lion's Heads SPA	Crovie to Collie Head	1,524	51.28	2,630.05	62.86	0.02	0.017	0.005
	Troup & Lion's Head RSPB (Coast & Reserve)	41,088	51.51	2,653.18	64.18	0.02	0.437	0.139
	More Head-Crovie Pier (+Craigandargity skerry)	235	51.75	2,678.37	61.55	0.02	0.003	0.001
	Pennan Head	1,942	53.02	2,810.80	64.96	0.02	0.019	0.006
	Aberdour Bay	2,931	53.70	2,883.15	65.86	0.02	0.028	0.009

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Copinsay SPA	Copinsay	1,268	88.78	7,881.36	86.08	0.01	0.003	0.001
	Ward Holm	9	89.20	7,955.75	85.95	0.01	<0.001	<0.001
	Black Holm	35	89.82	8,067.45	86.10	0.01	<0.001	<0.001
Hoy SPA	HOY17	7,907	91.11	8,301.03	78.73	0.01	0.022	0.007
	HOY16	402	93.36	8,715.90	79.01	0.01	0.001	<0.001
	HOY14	121	96.80	9,369.66	78.97	0.01	<0.001	<0.001
	HOY13	4	98.43	9,688.27	79.00	0.01	<0.001	<0.001
	Old Man of Hoy to Rora Head	114	104.11	10,839.10	80.53	0.01	<0.001	<0.001
	Hoy RSPB Reserve	3,956	104.48	10,916.07	81.43	0.01	0.008	0.003
	HOY8	1,340	106.08	11,252.33	81.33	0.01	0.003	0.001
	HOY5	283	108.34	11,737.56	82.39	0.01	0.001	<0.001
	HOY6	1,828	108.69	11,813.08	82.40	0.01	0.003	0.001
	HOY7	391	108.99	11,877.73	82.06	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	95.45	9,110.32	66.74	0.01	0.121	0.039
Rousay SPA	Rousay 12	38	128.26	16,449.86	88.53	0.01	<0.001	<0.001
	Rousay 11	670	129.54	16,780.61	88.49	0.01	0.001	<0.001
	Rousay 1 - RSPB	367	131.32	17,243.63	86.94	0.01	<0.001	<0.001
	Rousay 8	13	131.53	17,301.19	88.13	0.01	<0.001	<0.001
	Rousay 2	31	131.57	17,311.72	87.31	0.01	<0.001	<0.001
	Rousay 7	7	132.21	17,478.43	88.18	0.01	<0.001	<0.001
	Rousay 6	477	133.23	17,750.23	88.03	0.01	0.001	<0.001
	Rousay 4	3,752	133.75	17,888.26	87.49	0.01	0.004	0.001
	Rousay 5	2,566	134.51	18,094.02	87.83	0.01	0.003	0.001
Marwick Head SPA	-	12,800	125.90	15,851.57	85.54	0.01	0.017	0.005

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Calf of Eday SPA	Eday 20	7	125.96	15,865.42	90.31	0.01	<0.001	<0.001
	Calf of Eday	7,375	128.06	16,399.11	90.49	0.01	0.009	0.003
	Eday 5	11	130.20	16,953.08	90.52	0.01	<0.001	<0.001
	Eday 6	9	130.33	16,986.43	90.44	0.01	<0.001	<0.001
West Westray SPA	West Westray 6	4,403	137.51	18,908.18	89.35	0.01	0.005	0.002
	West Westray 5	3,223	139.18	19,372.19	89.71	0.01	0.003	0.001
	West Westray 4	2,346	140.43	19,719.46	89.81	0.01	0.002	0.001
	Noup Cliffs RSPB (West Westray 2)	32,945	142.26	20,237.34	89.33	0.01	0.033	0.011
	West Westray 1	102	143.18	20,499.37	89.48	0.01	<0.001	<0.001
	Westray 13 within SPA	16	145.47	21,160.36	89.70	0.01	<0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	12,861	161.85	26,195.42	83.36	0.01	0.011	0.003
	Sule Stack	1,423	164.58	27,086.58	81.46	0.01	0.001	<0.001
Fair Isle SPA	-	24,515	167.08	27,917.06	95.11	0.01	0.017	0.005

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	102.95	10,599.32	89.43	0.01	<0.001	<0.001
Badaidh na Gaoithe	-	178	63.14	3,986.41	44.99	0.02	0.002	0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Whitaloo Point to Loop of Cruie	32	131.29	17,237.33	86.41	0.01	<0.001	<0.001
Brough of Birsay	-	359	128.81	16,590.73	86.64	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Staxigoe	24	52.27	2,732.57	71.84	0.01	<0.001	<0.001
	Noss Head	143	53.73	2,886.91	72.66	0.01	0.001	<0.001
Costa Head	Costa Hill Cliffs	9	134.02	17,961.63	86.93	0.01	<0.001	<0.001
	Costa Head	6,792	135.02	18,231.21	86.70	0.01	0.008	0.002

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Deerness	Deerness 10	127	92.52	8,559.03	86.59	0.01	<0.001	<0.001
	Deerness 5	212	97.27	9,461.26	87.40	0.01	<0.001	<0.001
	Mull Head - cliff-nesters	1,841	97.79	9,562.49	87.48	0.01	0.004	0.001
	Deerness 3	232	98.65	9,732.41	87.21	0.01	<0.001	<0.001
Flotta & Calf of Flotta	Flotta 5	3	85.89	7,376.92	80.55	0.01	<0.001	<0.001
	Flotta 6	83	86.01	7,398.06	80.20	0.01	<0.001	<0.001
Holm	Holm 6	80	89.33	7,979.85	84.64	0.01	<0.001	<0.001
	Gultak	292	90.01	8,102.16	84.88	0.01	0.001	<0.001
	Holm 2	9	90.82	8,247.91	85.04	0.01	<0.001	<0.001
Horse of Copinsay	-	1,034	89.91	8,082.91	86.56	0.01	0.003	0.001
Hoy and Southwalls	HOY22	1,364	85.40	7,292.99	79.06	0.01	0.004	0.001
	HOY21	306	86.99	7,567.26	78.46	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Papa Westray (North Hill and Holm) SPA	-	162	146.15	21,358.65	90.76	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Muckle Skerry	587	68.89	47,45.28	81.84	0.01	0.003	0.001
	Swona	8	78.13	6,103.52	78.72	0.01	<0.001	<0.001
Portknockie	-	66	54.92	3,016.21	44.92	0.02	0.001	<0.001
Shapinsay (Coastal)	Shapinsay 9	109	106.00	11,236.64	87.79	0.01	<0.001	<0.001
	Shapinsay 8	12	106.19	11,276.53	87.48	0.01	<0.001	<0.001
	Shapinsay 10	8	107.00	11,449.64	87.44	0.01	<0.001	<0.001
South Ronaldsay	Windwick - Burwick	3,966	79.08	6,253.80	79.79	0.01	0.014	0.005
	Burwick - Sandwick	13	79.21	6,274.38	79.35	0.01	<0.001	<0.001
	The Altar - Quindry	868	85.78	7,358.55	80.65	0.01	0.003	0.001
Stromness Area, Hundland	Yesnaby 2	4	117.96	13,914.56	83.66	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Stronsay	Carlin Geo 1	993	108.38	11,746.87	90.07	0.01	0.002	0.001
	Rothiesholm Head 2	13	111.10	12,343.65	89.43	0.01	<0.001	<0.001
Switha	-	110	84.83	7,195.62	79.67	0.01	<0.001	<0.001
Westray	Westray 10	592	132.32	17,507.52	89.46	0.01	0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2113	44	113.33	12,844.14	83.72	0.01	<0.001	<0.001
	Grid Square HY2114	4	114.18	13,037.07	83.83	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	Row Head	5,925	119.10	14,185.05	84.11	0.01	0.009	0.003
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	Sands of Forvie	23	104.17	10,851.18	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. ** Counts from Seabird Count 2015 -2021 (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 South Site (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	59.39	3,527.17	48.11	0.02	2.184	0.672
Fair Isle SPA	-	2,580	167.08	27,917.06	95.23	0.01	0.009	0.003
North Caithness Cliffs SPA	Auckengill within SPA	137	63.56	4,040.25	75.06	0.01	0.004	0.001
	Skirza Head	1,432	64.61	4,174.06	76.65	0.01	0.041	0.013
	Stacks of Duncansby	930	66.34	4,401.39	78.27	0.01	0.025	0.008
	Duncansby Head	1,979	67.93	4,614.21	79.01	0.01	0.050	0.015
	Stroma Island	1,927	74.52	5,553.83	79.01	0.01	0.040	0.012
	Little Clett	42	86.96	7,561.17	74.32	0.01	0.001	<0.001
	Dunnet Head 1	194	87.90	7,725.53	74.50	0.01	0.003	0.001
	Dunnet Head 2	406	88.49	7,830.48	74.62	0.01	0.006	0.002
	Dunnet Head 3	1,912	89.80	8,063.50	74.43	0.01	0.029	0.009
	Dunnet Head 4	96	92.76	8,604.23	72.48	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Dunnet Head 5	153	96.58	9,326.73	71.03	0.01	0.002	0.001
	Holburn Head 2	43	101.19	10,239.42	67.03	0.01	0.001	<0.001
	Holburn Head 3	62	102.10	10,424.00	66.86	0.01	0.001	<0.001
	Ness of Litter	32	107.05	11,459.70	65.92	0.02	<0.001	<0.001
	Sandside Head 1	382	117.90	13,900.88	60.16	0.02	0.004	0.001
	Sandside Head 2	465	119.05	14,172.66	60.22	0.02	0.005	0.002
	Melvich 1	1,112	119.89	14,373.61	59.25	0.02	0.012	0.004
	Melvich 2	529	120.68	14,564.63	58.99	0.02	0.006	0.002
	Melvich 3	496	121.63	14,793.86	59.01	0.02	0.005	0.002
Troup, Pennan and Lion's Heads SPA	Crovie to Collie Head	1,124	51.28	2,630.05	60.19	0.02	0.065	0.020
	Troup & Lion's Head RSPB (Coast & Reserve)	6,448	51.51	2,653.18	61.52	0.02	0.363	0.112
	More Head-Crovie Pier (+Craigandargity skerry)	125	51.75	2,678.37	58.96	0.02	0.007	0.002

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Pennan Head	592	53.02	2,810.80	62.64	0.02	0.031	0.010
	Aberdour Bay	508	53.70	2,883.15	63.72	0.02	0.025	0.008
	West Quarry Head	4	54.14	2,931.57	64.68	0.02	<0.001	<0.001
West Westray SPA	West Westray 6	705	137.51	18,908.18	89.12	0.01	0.004	0.001
	West Westray 5	781	139.18	19,372.19	89.42	0.01	0.004	0.001
	West Westray 4	213	140.43	19,719.46	89.48	0.01	0.001	<0.001
	Noup Cliffs RSPB (West Westray 2)	1,280	142.26	20,237.34	89.01	0.01	0.007	0.002
	West Westray 1	91	143.18	20,499.37	89.14	0.01	<0.001	<0.001
	Westray 13 within SPA	34	145.47	21,160.36	89.34	0.01	<0.001	<0.001
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	60	102.95	10,599.32	87.96	0.01	0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Skipi Geo to Whitaloo Point	3	130.37	16,995.55	86.58	0.01	<0.001	<0.001
	Whitaloo Point to Loop of Cruie	76	131.29	17,237.33	86.60	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Brough of Birsay	-	27	128.81	16,590.73	86.77	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	7,654	95.45	9,110.32	69.84	0.01	0.110	0.034
Caithness - Wick Bay to Freshwick Bay	Ackergillshore	11	56.08	3,145.42	68.52	0.01	<0.001	<0.001
	Noss Head	358	53.73	2,886.91	69.45	0.01	0.016	0.005
Calf of Eday SPA	Eday 20	23	125.96	15,865.42	89.93	0.01	<0.001	<0.001
	Calf of Eday	94	128.06	16,399.11	90.07	0.01	<0.001	<0.001
	Eday 4	5	129.24	16,702.46	90.21	0.01	<0.001	<0.001
	Eday 5	17	130.20	16,953.08	90.12	0.01	<0.001	<0.001
	Eday 6	11	130.33	16,986.43	90.03	0.01	<0.001	<0.001
Copinsay SPA	Copinsay	389	88.78	7,881.36	84.76	0.01	0.005	0.002
	Ward Holm	125	89.20	7,955.75	84.63	0.01	0.002	0.001
	Corn Holm	29	89.58	8,024.22	84.70	0.01	<0.001	<0.001
	Black Holm	79	89.82	8,067.45	84.74	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Costa Head	Costa Hill Cliffs	119	134.02	17,961.63	87.02	0.01	0.001	<0.001
	Costa Head	762	135.02	18,231.21	86.82	0.01	0.004	0.001
Deerness	Deerness 10	114	92.52	8,559.03	85.17	0.01	0.001	<0.001
	Deerness 6	64	96.25	9,263.10	85.43	0.01	0.001	<0.001
	Deerness 5	134	97.27	9,461.26	85.77	0.01	0.002	<0.001
	Mull Head - cliff-nesters	84	97.79	9,562.49	85.85	0.01	0.001	<0.001
	Deerness 3	155	98.65	9,732.41	85.60	0.01	0.002	0.001
	Deerness 2	78	101.20	10,240.63	84.85	0.01	0.001	<0.001
East Caithness Cliffs SPA (South)	Badaidh na Gaoithe	113	63.14	3,986.41	43.18	0.02	0.006	0.002
Findon Ness - Hare Ness	Hare Ness to Seal's Cove	340	133.21	17,743.84	58.96	0.02	0.003	0.001
	Seal's Cove to Findon Ness	844	134.52	18,096.71	58.76	0.02	0.007	0.002
	Findon Ness to Black Slough	60	135.59	18,384.38	58.45	0.02	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	85.89	7,376.92	79.76	0.01	0.001	<0.001
	Flotta 6	322	86.01	7,398.06	79.46	0.01	0.005	0.002
Girdle Ness to Hare Ness	Greg Ness - Seals Hole	1	128.50	16,512.76	60.17	0.02	<0.001	<0.001
	Cove Bay	194	130.69	17,080.40	59.57	0.02	0.002	0.001
	Cove to Hare Ness	202	131.81	17,373.88	59.28	0.02	0.002	0.001
Holm	Holm 6	25	89.33	7,979.85	83.49	0.01	<0.001	<0.001
	Gultak	512	90.01	8,102.16	83.71	0.01	0.007	0.002
	Holm 2	127	90.82	8,247.91	83.90	0.01	0.002	0.001
Holm, Deerness and Tankerness	Rerwick Head 2	52	102.76	10,558.59	84.91	0.01	0.001	<0.001
	Rerwick Head 1	1	103.17	10,643.43	84.85	0.01	<0.001	<0.001
Horse of Copinsay	-	310	89.91	8,082.91	85.06	0.01	0.004	0.001
Hoy and Southwalls	HOY22	244	85.40	7,292.99	78.46	0.01	0.004	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Hoy SPA	HOY19	19	88.31	7,798.13	77.94	0.01	<0.001	<0.001
	HOY17	481	91.11	8,301.03	78.32	0.01	0.007	0.002
	HOY16	122	93.36	8,715.90	78.57	0.01	0.002	0.001
	HOY15	27	95.13	9,048.77	78.25	0.01	<0.001	<0.001
	HOY14	34	96.80	9,369.66	78.62	0.01	<0.001	<0.001
	HOY13	54	98.43	9,688.27	78.70	0.01	0.001	<0.001
	HOY12	13	99.68	9,935.50	78.77	0.01	<0.001	<0.001
	HOY11	34	100.99	10,198.98	79.21	0.01	<0.001	<0.001
	HOY10	54	102.41	10,487.19	79.66	0.01	0.001	<0.001
	Old Man of Hoy to Rora Head	86	104.11	10,839.10	80.21	0.01	0.001	<0.001
	Hoy RSPB Reserve	1,091	104.48	10,916.07	81.02	0.01	0.011	0.003
	HOY8	263	106.08	11,252.33	80.96	0.01	0.003	0.001
	HOY5	75	108.34	11,737.56	81.94	0.01	0.001	<0.001
	HOY6	253	108.69	11,813.08	81.96	0.01	0.002	0.001
	HOY7	320	108.99	11,877.73	81.64	0.01	0.003	0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Marwick Head SPA	Marwick Head	988	125.90	15,851.57	85.74	0.01	0.007	0.002
	Birsay Bay	8	127.01	16,131.79	86.28	0.01	<0.001	<0.001
Melvich to Duncansby Stacks SSSI	-	62	77.82	6,055.17	76.84	0.01	0.001	<0.001
North Sutherland Islands	Neave Island 1	7	146.06	21,334.40	56.27	0.02	<0.001	<0.001
	Eilean nan Ron whole island	11	148.54	22,064.13	56.67	0.02	<0.001	<0.001
	Eilean Iosal	38	149.13	22,239.16	57.57	0.02	<0.001	<0.001
	Eilean Nan Ron 6	96	149.32	22,295.57	56.87	0.02	0.001	<0.001
North Sutor to Shandwick	-	161	104.84	10,991.01	18.59	0.05	0.007	0.002

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Papa Westray (North Hill and Holm) SPA	-	76	146.15	21,358.65	90.28	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Muckle Skerry	239	68.89	4,745.28	81.97	0.01	0.006	0.002
	Swona	273	78.13	6,103.52	78.13	0.01	0.005	0.002
Portknockie	-	25	54.92	3,016.21	43.38	0.02	0.002	0.001
Portsoy to Cullen	Garron Point	21	54.15	2,932.01	45.99	0.02	0.001	<0.001
	Redhythe Point	40	54.42	2,961.32	46.72	0.02	0.003	0.001
Rosehearty to Bay of Cullen	Head of Garness	109	51.46	2,648.23	55.65	0.02	0.007	0.002
Rousay SPA	Rousay 13	11	128.26	16,089.40	88.93	0.01	<0.001	<0.001
	Rousay 12	86	129.54	16,449.86	88.55	0.01	0.001	<0.001
	Rousay 11	56	131.32	16,780.61	88.51	0.01	<0.001	<0.001
	Rousay 1 - RSPB	44	131.53	17,243.63	86.99	0.01	<0.001	<0.001
	Rousay 8	8	131.57	17,301.19	88.15	0.01	<0.001	<0.001
	Rousay 2	28	132.21	17,311.72	87.31	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Rousay 7	5	132.65	17,478.43	88.20	0.01	<0.001	<0.001
	Rousay 6	44	133.75	17,750.23	88.04	0.01	<0.001	<0.001
	Rousay 4	193	134.51	17,888.26	87.54	0.01	0.001	<0.001
	Rousay 5	138	126.84	18,094.02	87.87	0.01	0.001	<0.001
Sanday	-	15	129.29	16,715.39	89.42	0.01	<0.001	<0.001
Scapa Bay to St. Marys	-	204	97.50	9,506.45	79.29	0.01	0.002	0.001
Shapinsay (Coastal)	Shapinsay 9	121	106.00	11,236.64	86.24	0.01	0.001	<0.001
	Shapinsay 8	74	106.19	11,276.53	85.90	0.01	0.001	<0.001
	Shapinsay 10	28	107.00	11,449.64	86.06	0.01	<0.001	<0.001
Smoo to Melvich	Melvich 5	27	125.65	15,787.92	58.55	0.02	<0.001	<0.001
	Strathy 1	83	127.95	16,371.20	59.03	0.02	0.001	<0.001
	Strathy 2	1	129.82	16,853.23	58.61	0.02	<0.001	<0.001
	Skullomie 1	24	149.10	22,230.81	55.45	0.02	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
South Ronaldsay	Stews - Windwick	185	79.06	6,250.48	78.29	0.01	0.003	0.001
	Windwick - Burwick	556	79.08	6,253.80	79.11	0.01	0.010	0.003
	Burwick - Sandwick	21	79.21	6,274.38	78.69	0.01	<0.001	<0.001
	The Altar - Quindry	332	85.78	7,358.55	79.87	0.01	0.005	0.002
	Quindry - Hoxa - Dam of Hoxa	39	86.02	7,399.10	79.53	0.01	0.001	<0.001
South Sutor	South Sutor 3	3	107.10	11,470.41	17.98	0.06	<0.001	<0.001
	South Sutor All (2- 6)	4	108.94	11,866.83	17.62	0.06	<0.001	<0.001
Strathlene to Portknockie	-	38	56.02	3,138.35	42.52	0.02	0.003	0.001
Stromness Area, Hundland	Yesnaby 1	1	116.32	13,530.81	83.63	0.01	<0.001	<0.001
	Yesnaby 2	74	117.96	13,914.56	83.43	0.01	0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Stronsay	Burgh Head 1	3	108.11	11,688.20	89.40	0.01	<0.001	<0.001
	Burgh Head 2	3	108.61	11,795.48	89.42	0.01	<0.001	<0.001
	Rothiesholm Head 2	13	111.10	12,343.65	88.66	0.01	<0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	13	161.85	26,195.42	83.36	0.01	<0.001	<0.001
Switha	-	310	84.83	7,195.62	78.99	0.01	0.005	0.002
Westray	Westray 10	150	132.32	17,507.52	89.18	0.01	0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2210	23	109.79	12,053.62	83.13	0.01	<0.001	<0.001
	Grid Square HY2110	1	110.41	12,191.03	83.20	0.01	<0.001	<0.001
	Grid Square HY2111	9	111.24	12,373.67	83.40	0.01	<0.001	<0.001
	Grid Square HY2112	16	112.16	12,580.09	83.45	0.01	<0.001	<0.001
	Grid Square HY2113	32	113.33	12,844.14	83.40	0.01	<0.001	<0.001

Site	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Grid Square HY2114	74	114.18	13,037.07	83.52	0.01	0.001	<0.001
	Grid Square HY2115/2215	1	115.18	13,266.43	83.77	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	Grid Square HY2217	36	117.38	13,777.13	84.05	0.01	<0.001	<0.001
	Row Head	413	119.10	14,185.05	84.03	0.01	<0.001	<0.001
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	-	84	104.17	10,851.18	65.21	0.02	0.001	<0.001
* Applying Harris <i>et al.</i> (2015 ³) correction factor x 1.34 for total adult breeding numbers. ** Counts from Seabird Count 2015 -2021 (Burnell <i>et al.</i> , 2023 ²).								

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 South Site (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	67.93	4,614.21	76.44	0.01	<0.001	<0.001
	Dunnet Head 1	66	87.90	7,725.53	75.75	0.01	0.002	0.001
	Dunnet Head 2	386	88.49	7,830.48	75.72	0.01	0.005	0.003
	Dunnet Head 3	396	89.80	8,063.50	75.44	0.01	0.005	0.003
	Dunnet Head 4	158	92.76	8,604.23	74.65	0.01	0.002	0.001
	Dunnet Head 5	276	96.58	9,326.73	74.10	0.01	0.003	0.002
	Holburn Head 2	94	101.19	10,239.42	73.58	0.01	0.001	0.001
	Holburn Head 3	48	102.10	10,424.00	73.47	0.01	<0.001	<0.001
	Little Clett	12	86.96	7,561.17	75.69	0.01	<0.001	<0.001
	Melvich 1	538	119.89	14,373.61	71.84	0.01	0.004	0.002
	Melvich 2	2,646	120.68	14,564.63	71.62	0.01	0.019	0.011
	Melvich 3	1,008	121.63	14,793.86	71.56	0.01	0.007	0.004
	Melvich 4	246	123.31	15,204.62	71.68	0.01	0.002	0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Ness of Litter	78	107.05	11,459.70	73.66	0.01	0.001	<0.001
	Sandside Head 1	58	117.90	13,900.88	72.10	0.01	<0.001	<0.001
	Sandside Head 2	14	119.05	14,172.66	72.06	0.01	<0.001	<0.001
	Skirza Head	48	64.61	4,174.06	66.08	0.02	0.001	0.001
	Stacks of Duncansby	152	66.34	4,401.39	76.23	0.01	0.003	0.002
	Stroma Island	520	74.52	5,553.83	78.8	0.01	0.009	0.006
Hoy SPA	Hoy RSPB Reserve	356	104.48	10,916.07	78.85	0.01	0.006	0.004
	HOY17	8	91.11	8,301.03	77.58	0.01	<0.001	<0.001
	HOY29	2	98.47	9,695.75	79.16	0.01	<0.001	<0.001
	HOY5	4	108.34	11,737.56	79.62	0.01	<0.001	<0.001
	HOY7	188	108.99	11,877.73	79.15	0.01	0.003	0.002
	HOY8	156	106.08	11,252.33	79.09	0.01	0.003	0.002
	Old Man of Hoy to Rora Head	8	104.11	10,839.10	78.75	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	184.5	34,034.35	75.61	0.01	<0.001	<0.001
	Clo Mor 1	16	175.9	30,935.53	74.43	0.01	<0.001	<0.001
	Clo Mor 10	50	180.9	32,712.87	75.03	0.01	<0.001	<0.001
	Clo Mor 11	26	182.3	33,219.44	75.00	0.01	<0.001	<0.001
	Clo Mor 7	16	178.1	31,711.77	74.92	0.01	<0.001	<0.001
	Clo Mor 8	58	179.1	32,073.23	74.91	0.01	<0.001	<0.001
	Clo Mor 9	242	180.1	32,423.76	74.89	0.01	0.002	0.001
Sule Skerry and Sule Stack SPA	-	95,484	162.70	26,471.62	81.36	0.01	0.340	0.200
Fair Isle SPA	-	13,332	167.08	27,917.06	91.93	0.01	0.080	0.047
Foula SPA	-	12,702	228.60	52,258.87	95.51	0.01	0.039	0.023
North Rona and Sula Sgeir SPA	North Rona	5,560	242.81	58,956.70	84.65	0.01	0.009	0.005
	Sula Sgeir	108	261.00	68,122.04	84.59	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Noss SPA	SE Bressay = E Bressay (Shetland) Z	104	240.79	57,977.90	97.39	0.01	<0.001	<0.001
	Noss	1,090	245.66	60,349.82	96.31	0.01	0.001	0.001
Forth Islands SPA	Isle of May	104,208	240.06	57,628.32	41.43	0.02	0.669	0.395
	Bass Rock	8	253.31	64,165.96	38.73	0.03	<0.001	<0.001
	Craigleith	10,270	254.96	65,002.56	37.47	0.03	0.065	0.038
	The Lamb	1,586	255.67	65,367.15	37.06	0.03	0.010	0.006
	Fidra	1,832	256.22	65,650.23	36.58	0.03	0.012	0.007
	Inchmickery RSPB	56	283.10	80,146.74	28.06	0.04	<0.001	<0.001
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	866	102.95	10,599.32	83.64	0.01	0.015	0.009
Bigton to Maywick	Griskerry to Taing of Maywick	220	223.17	49,806.19	96.47	0.01	0.001	<0.001
Birsay Cliffs - Point of	Skipi Geo to Whitaloo Point	6	130.37	16,995.55	82.78	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Buckquoy to Loop of Cruie	Whitaloo Point to Loop of Cruie	70	131.29	17,237.33	82.92	0.01	0.001	<0.001
Bressay	Geos of the Veng	2	238.50	56,883.20	95.77	0.01	<0.001	<0.001
	HU5139 ÔÇô SKUA/GBBG	52	242.26	58,691.36	95.57	0.01	<0.001	<0.001
Brough of Birsay	-	10	128.81	16,590.73	82.53	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	118	95.45	9,110.32	64.84	0.02	0.003	0.002
Burn of Daff	Black Slough to Burn of Daff	14	137.53	18,915.33	56.54	0.02	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	6	53.73	2,886.91	72.56	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	128.06	16,399.11	85.61	0.01	<0.001	<0.001
	Eday 20	12	125.96	15,865.42	85.35	0.01	<0.001	<0.001
	Eday 4	2	129.24	16,702.46	85.74	0.01	<0.001	<0.001
	Eday 5	78	130.20	16,953.08	85.64	0.01	0.001	<0.001
	Eday 6	2	130.33	16,986.43	85.61	0.01	<0.001	<0.001
Carr Craig, Eyebroughy and Haystack	Inchcolm	44	283.37	80,297.99	27.81	0.04	<0.001	<0.001
	Inchkeith	3,778	274.53	75,365.07	30.36	0.03	0.025	0.015
Catterline to Inverbervie	Rouen Bay	4	158.57	25,145.71	53.21	0.02	<0.001	<0.001
	The Slainges	10	157.83	24,909.05	53.35	0.02	<0.001	<0.001
	Whistleberry	6	159.51	25,443.44	53.05	0.02	<0.001	<0.001
Copinsay SPA	Black Holm	134	89.82	8,067.45	81.49	0.01	0.003	0.002
	Copinsay	1,288	88.78	7,881.36	81.46	0.01	0.031	0.018
	Corn Holm	362	89.58	8,024.22	81.47	0.01	0.008	0.005
	Ward Holm	420	89.20	7,955.75	81.42	0.01	0.010	0.006

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Costa Head	Costa Head	38	135.02	18,231.21	83.20	0.01	<0.001	<0.001
	Costa Hill Cliffs	8	134.02	17,961.63	83.26	0.01	<0.001	<0.001
Deerness	Mull Head - cliff-nesters	4	97.79	9,562.49	82.31	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	Am Balg	792	196.42	38,581.60	74.33	0.01	0.004	0.002
East Caithness Cliffs SPA**	Badbea 2	378	57.80	3,340.84	62.30	0.02	0.028	0.016
East Mainland - Orkney - Tysties	Copinsay RSPB Reserve - Tysties	986	89.27	7,969.49	81.49	0.01	0.023	0.014
Eyemouth to Burnmouth	Eyemouth to Burnmouth 7	174	129.66	16,810.94	83.33	0.01	0.002	0.001
Faraid Head/Balnakeil	Faraid Head 2	10	172.39	29,717.97	73.90	0.01	<0.001	<0.001
	Faraid Head 3	24	171.81	29,519.71	73.83	0.01	<0.001	<0.001
	Faraid Head 4	184	171.58	29,441.07	73.75	0.01	0.001	0.001
	Faraid Head 5	20	171.75	29,497.72	73.61	0.01	<0.001	<0.001
	Smoo 2	24	170.90	29,205.78	73.71	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	293.27	86,008.47	98.25	0.01	<0.001	<0.001
	Horn of Rams Ness to Rams Ness	2	291.49	84,964.67	98.23	0.01	<0.001	<0.001
	HU610870 - SKUA/GBBG	2	291.51	84,978.66	98.22	0.01	<0.001	<0.001
	Klifts to Big Holm	16	294.86	86,940.06	98.26	0.01	<0.001	<0.001
	Moo Wick to Horn of Rams Ness	46	292.05	85,294.37	98.26	0.01	<0.001	<0.001
	Rams Ness to Corbie Head	98	293.55	86,169.25	98.33	0.01	<0.001	<0.001
Findon Ness - Hare Ness	Findon Ness to Black Slough	4	135.59	18,384.38	56.98	0.02	<0.001	<0.001
	Hare Ness to Seal's Cove	20	133.21	17,743.84	57.36	0.02	<0.001	<0.001
	Seal's Cove to Findon Ness	14	134.52	18,096.71	57.17	0.02	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	85.89	7,376.92	78.98	0.01	<0.001	<0.001
	Flotta 6	8	86.01	7,398.06	78.56	0.01	<0.001	<0.001
Fowlsheugh SPA	Fowlsheugh RSPB	32	153.09	23,437.77	54.01	0.02	<0.001	<0.001
	Swallow Cove - Crawton	242	154.84	23,974.50	53.81	0.02	0.003	0.002
	Thornyhive Bay	8	151.71	23,016.23	54.09	0.02	<0.001	<0.001
	Tremuda/Old Hall Bay	14	150.99	22,797.07	54.16	0.02	<0.001	<0.001
Green Holms	Muckle Green Holm	66	116.53	13,579.24	83.94	0.01	0.001	0.001
Gulberwick to Fladdabister	Leea Geo to Gardie Taing	26	234.63	55,051.24	94.17	0.01	<0.001	<0.001
	Ness of Setter to Broch of Burriland	10	238.07	56,677.32	94.55	0.01	<0.001	<0.001
	Scarf Taing to Leea Geo	30	235.73	55,568.16	93.99	0.01	<0.001	<0.001
Handa SPA	Handa Island	1,444	217.83	47,448.17	70.94	0.01	0.007	0.004

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Heylor to Stenness	Calders Geo	6	273.48	74,792.95	97.54	0.01	<0.001	<0.001
	Dore Holm	4	270.91	73,392.77	97.89	0.01	<0.001	<0.001
	Ockran Head and Hamnavoe	2	278.52	77,571.16	98.00	0.01	<0.001	<0.001
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	Stack o' da Noup	186	215.05	46,247.79	96.13	0.01	0.001	<0.001
Horse of Copinsay	-	10	89.91	8,082.91	81.66	0.01	<0.001	<0.001
Housabister to Catfirth	Hoo Stack	6	254.51	64,774.32	97.74	0.01	<0.001	<0.001
	Little Loch to Eswick Holm	8	255.28	65,166.86	97.79	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Hoy and South Walls - Tysties	HOY 01 - Tysties	142	85.89	7,377.61	78.44	0.01	0.004	0.002
	HOY 02 - Tysties	232	86.19	7,429.23	77.92	0.01	0.006	0.004
	HOY 03 - Tysties	10	88.09	7,760.02	77.93	0.01	<0.001	<0.001
	HOY 04 - Tysties	2	88.69	7,865.03	77.78	0.01	<0.001	<0.001
	HOY 05 - Tysties	2	89.61	8,029.41	77.41	0.01	<0.001	<0.001
	HOY 06 - Tysties	16	90.40	8,172.52	77.55	0.01	<0.001	<0.001
Huxter to Brindister	Staraster to Shaabers Head	52	261.32	68,290.23	96.28	0.01	<0.001	<0.001
Ireland to Maywick	Taing of Maywick to Maywick Bay	16	224.15	50,243.22	96.73	0.01	<0.001	<0.001
Laxo to Housabister (Nesting)	Hog Island to Dringa Neap	6	260.66	67,942.07	97.95	0.01	<0.001	<0.001
	Teistie Geo to Wick of Neap	18	261.53	68,396.89	97.96	0.01	<0.001	<0.001
	Wick of Neap to Hog Island	2	260.98	68,111.08	97.96	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Lerwick to Gulberwick	Ruggen to Holm of Sound	4	240.16	57,678.75	97.30	0.01	<0.001	<0.001
	The Knab	4	242.15	58,638.56	95.08	0.01	<0.001	<0.001
Loch of Vaara (Twatt)	Aith Ness	4	269.90	72,844.93	95.18	0.01	<0.001	<0.001
	HU3259 - SKUA/GBBG	4	269.18	72,460.03	95.37	0.01	<0.001	<0.001
	HU3455 ÔÇô SKUA/GBBG	30	274.35	75,269.57	91.43	0.01	<0.001	<0.001
Lunan Bay to Arbroath	Auchmithie	10	194.93	37,995.76	46.39	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 4	24	196.33	38,543.90	46.14	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 7	12	192.33	36,990.06	46.86	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 8	6	191.31	36,599.52	47.05	0.02	<0.001	<0.001
Marwick Head SPA	Marwick Head	24	125.90	15,851.57	81.96	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Maywick to Scalloway	Maywick to Holms Geo	10	226.88	51,472.27	96.86	0.01	<0.001	<0.001
	South Havra	82	226.58	51,336.23	96.69	0.01	<0.001	<0.001
Melvich to Duncansby Stacks SSSI	Dunnet Head RSPB	408	89.61	8,030.13	75.44	0.01	0.005	0.003
	St Johns Point	26	77.82	6,055.17	76.02	0.01	0.001	0.001
	Ushat Head 1	8	98.80	9,761.24	74.80	0.01	<0.001	<0.001
Mousa SPA	Mousa RSPB	40	225.12	50,678.11	96.79	0.01	<0.001	<0.001
Muckle Roe	Muckle Roe (cliff nesters)	30	272.09	74,035.14	97.84	0.01	<0.001	<0.001
Muckle Roe to Ura Firth	Egilsay, whole island	4	270.08	72,941.05	97.87	0.01	<0.001	<0.001
	Gunnister to Ness Head of Hamar	2	274.11	75,134.65	96.25	0.01	<0.001	<0.001
	North Point of Mill Geos to Nibon	4	271.07	73,478.94	95.62	0.01	<0.001	<0.001
Newton Hill	Doonie Point to Hall Bay	4	143.36	20,552.95	55.31	0.02	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Newtonhill - Hall Bay	-	6	140.60	19,768.64	55.94	0.02	<0.001	<0.001
No Ness to Levenwick and Boddam to Virkie	Quinni Geo to Boats Noost	16	219.17	48,034.17	96.35	0.01	<0.001	<0.001
North Sutherland Islands	Eilean Nan Ron 6	26	149.32	22,295.57	71.81	0.01	<0.001	<0.001
	Eilean nan Ron whole island	4	148.54	22,064.13	71.48	0.01	<0.001	<0.001
Out Skerries	Bound Skerry	120	278.60	77,619.07	97.82	0.01	<0.001	<0.001
	Bruray	208	280.25	78,540.62	97.64	0.01	<0.001	<0.001
	Filla	64	274.33	75,259.14	97.25	0.01	<0.001	<0.001
	North Benelip	2	275.53	75,916.23	97.34	0.01	<0.001	<0.001
Papa Westray - Tysties	-	56	142.16	20,210.03	86.39	0.01	<0.001	<0.001
Papa Westray (North Hill and Holm) SPA	Holm Of Papa Westray	8	141.81	20,108.94	86.75	0.01	<0.001	<0.001
	North Hill RSPB, Papa Westray	52	146.15	21,358.65	86.90	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Pentland Firth Islands SPA	Swona	968	78.13	6,103.52	77.87	0.01	0.016	0.009
Portsoy to Cullen	Garron Point	32	54.15	2,932.01	57.35	0.02	0.001	0.001
Ramna Stacks and Gruney SPA	Gruney	10	298.94	89,367.52	98.57	0.01	<0.001	<0.001
Rerwick Head to Mirkady Point	Deerness 4	2	105.91	11,217.35	81.61	0.01	<0.001	<0.001
Ronas Hill - North Roe and Tington - CLIFF NESTERS ONLY	Gruna Stack	522	285.56	81,543.94	98.07	0.01	0.001	<0.001
	Ketligill Head to Point of Djubi Geo	2	286.41	82,031.83	98.05	0.01	<0.001	<0.001
Rousay SPA	Rousay 1 - RSPB	26	131.32	17,243.63	83.50	0.01	<0.001	<0.001
	Rousay 11	36	129.54	16,780.61	84.08	0.01	<0.001	<0.001
	Rousay 12	38	128.26	16,449.86	84.17	0.01	<0.001	<0.001
	Rousay 13	4	126.84	16,089.40	84.34	0.01	<0.001	<0.001
	Rousay 2	6	131.57	17,311.72	83.63	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Rousay 4	90	133.75	17,888.26	83.82	0.01	<0.001	<0.001
	Rousay 5	16	134.51	18,094.02	84.03	0.01	<0.001	<0.001
	Rousay 6	20	133.23	17,750.23	84.13	0.01	<0.001	<0.001
	Rousay 7	40	132.21	17,478.43	84.25	0.01	<0.001	<0.001
	Rousay 8	2	131.53	17,301.19	84.24	0.01	<0.001	<0.001
Rysa Little and Cava	Cava	2	96.04	9,222.72	79.52	0.01	<0.001	<0.001
Sanday	Sanday 5	16	129.29	16,715.39	85.93	0.01	<0.001	<0.001
Sandness	HU1755 - SKUA/GBBG	20	248.54	61,772.63	95.14	0.01	<0.001	<0.001
Sandvoe to Fethaland	Isle of Fethaland	28	297.68	88,612.79	98.46	0.01	<0.001	<0.001
Scalloway Islands	Sanda Stour	2	239.51	57,366.48	97.15	0.01	<0.001	<0.001
	The Nev (Island)	2	240.09	57,643.21	97.17	0.01	<0.001	<0.001
Scalloway Islands South	Cheynies	2	236.58	55,968.68	94.10	0.01	<0.001	<0.001
	Oxna	8	235.47	55,443.77	94.06	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Shapinsay (Coastal)	Shapinsay 10	6	107.00	11,449.64	82.70	0.01	<0.001	<0.001
	Shapinsay 9	12	106.00	11,236.64	82.62	0.01	<0.001	<0.001
Shiant Isles SPA	Eilean Mhuire	12,584	297.72	88,637.20	66.50	0.02	0.016	0.010
	Galta Beag Group	11,256	300.56	90,338.12	66.71	0.01	0.014	0.008
	Galta Mor Group	22,030	301.27	90,761.20	66.94	0.01	0.028	0.016
	Garbh Eilean	83,520	299.24	89,541.59	66.64	0.02	0.107	0.063
Skeld, Westerwick and Culswick	Burga Stacks to Caves	14	239.99	57,595.20	96.27	0.01	<0.001	<0.001
	Giltarump Stack	2	238.11	56,698.28	96.83	0.01	<0.001	<0.001
	Skeld, Westerwick and Culswick	14	246.43	60,727.74	96.19	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	34	239.49	57,355.94	96.00	0.01	<0.001	<0.001
	Westerwick to West of The Nev	6	238.65	56,953.82	95.86	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Smoo to Melvich	Melvich 5	12	125.65	15,787.92	71.60	0.01	<0.001	<0.001
	Strathy 1	22	127.95	16,371.20	71.88	0.01	<0.001	<0.001
South Ronaldsay	Burwick - Sandwick	4	79.21	6,274.38	78.09	0.01	<0.001	<0.001
	Hoxa Head (inland)	2	86.48	7,478.10	78.76	0.01	<0.001	<0.001
	Stews - Windwick	12	79.06	6,250.48	78.69	0.01	<0.001	<0.001
	The Altar - Quindry	32	85.78	7,358.55	78.90	0.01	<0.001	<0.001
	Windwick - Burwick	38	79.08	6,253.80	78.36	0.01	0.001	<0.001
South Ronaldsay (West)	Herston	6	83.44	6,962.73	78.62	0.01	<0.001	<0.001
South Walls	-	2	86.63	7,504.06	78.31	0.01	<0.001	<0.001
St. Ninian's Isle	Hich Holm	16	219.34	48,107.84	96.34	0.01	<0.001	<0.001
	St. Ninian's Isle	128	219.55	48,201.32	96.37	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Stenness to Hillswick	Sandwick to Zoar Burn	10	273.92	75,030.52	97.30	0.01	<0.001	<0.001
	Zoar Burn to Braewick	8	273.91	75,026.69	97.42	0.01	<0.001	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	2	149.79	22,436.15	54.27	0.02	<0.001	<0.001
Stromness Area, Hundland	Yesnaby 1	10	116.32	13,530.81	81.02	0.01	<0.001	<0.001
	Yesnaby 2	34	117.96	13,914.56	80.85	0.01	<0.001	<0.001
Stronsay	Burgh Head 2	2	108.11	11,688.20	84.36	0.01	<0.001	<0.001
Sumburgh Head Quarries	Compass Head	42	209.54	43,907.01	95.93	0.01	<0.001	<0.001
Sumburgh Head SPA	Grutness Pier to Greystane Geo	2	209.06	43,707.76	95.93	0.01	<0.001	<0.001
	Sandwick to Virkie: Boddam to Virkie within SPA	82	211.80	44,857.12	96.06	0.01	<0.001	<0.001
	Sumburgh Head	908	208.06	43,287.72	95.88	0.01	0.002	0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Sumburgh to Peerie Voe of Spiggie	Burn of Garth to Broad Stack	12	210.21	44,187.40	95.93	0.01	<0.001	<0.001
	Cloki Stack to Peerie Voe	4	217.48	47,298.86	96.23	0.01	<0.001	<0.001
	Colsay	186	217.58	47,341.93	96.27	0.01	<0.001	<0.001
	Kame to Corbie Geo	14	215.51	46,442.41	96.14	0.01	<0.001	<0.001
	Landvillas to Scarfi Taing	194	214.50	46,010.25	96.06	0.01	<0.001	<0.001
	Scarfi Taing to Noup o' Noss	332	214.99	46,219.84	96.09	0.01	0.001	<0.001
	Stack o' da Noup to Kame	160	215.42	46,406.64	96.12	0.01	<0.001	<0.001
	Stack of Barons Geo to The Nev	6	211.47	44,720.83	95.95	0.01	<0.001	<0.001
	The Kame to Landvillas	116	213.73	45,682.22	96.03	0.01	<0.001	<0.001
	The Nev to The Kame	174	213.02	45,377.95	95.99	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
	Whale Stack to Cloki Stack	68	216.03	46,670.69	96.14	0.01	<0.001	<0.001
Switha	-	42	84.83	7,195.62	78.41	0.01	0.001	<0.001
Troup, Pennan and Lion's Heads SPA	More Head-Crovie Pier (+Craigandargity skerry)	2	51.75	2,678.37	62.68	0.02	<0.001	<0.001
	Pennan Head	42	53.02	2,810.80	64.34	0.02	0.002	0.001
	Troup & Lion's Head RSPB (Coast & Reserve)	18	51.51	2,653.18	63.84	0.02	0.001	<0.001
Ulstal to Whalefirth (Yell)	Fogla Lee to Ern Stack	22	302.84	91,714.49	98.60	0.01	<0.001	<0.001
Vaila	Vaila	90	243.13	59,113.66	93.93	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Walls to Dales	Footabrough to Dogs Head (cliffs-nesters)	16	243.82	59,446.73	94.59	0.01	<0.001	<0.001
	Point of Hus to Hevdigarth	6	242.89	58,997.50	94.36	0.01	<0.001	<0.001
	Quinni Geo to Uskie Geo	8	241.87	58,501.58	94.23	0.01	<0.001	<0.001
West Burra - Shetland	Bannaminn to Croo Geo	4	228.89	52,388.80	94.58	0.01	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	34	142.26	20,237.34	85.90	0.01	<0.001	<0.001
	West Westray 1	2	143.18	20,499.37	86.00	0.01	<0.001	<0.001
	West Westray 4	38	140.43	19,719.46	85.83	0.01	<0.001	<0.001
	West Westray 5	16	139.18	19,372.19	85.74	0.01	<0.001	<0.001
	West Westray 6	22	137.51	18,908.18	85.54	0.01	<0.001	<0.001
	West Westray 7	2	136.34	18,588.87	85.43	0.01	<0.001	<0.001
Westray - Rapness	Castle o' Burrian	3,068	134.04	17,966.72	85.70	0.01	0.015	0.009

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting Weight	Proportional Weight
Westray and adjacent Holms - Tysties	Westray 6 - Tysties	142	140.83	19,833.93	86.27	0.01	0.001	<0.001
Whalsay	Colvigirts to Veeda Stack	2	266.35	70,941.79	97.84	0.01	<0.001	<0.001
	Kirni Geo to Croo Geos	38	269.20	72,470.79	97.95	0.01	<0.001	<0.001
	Meo Ness to the Haa	18	263.88	69,631.07	98.06	0.01	<0.001	<0.001
	Sandwick to Symbister Pier	14	265.63	70,558.77	96.22	0.01	<0.001	<0.001
Yell - East Coast	SE Yell (inc. Burravoe)	214	287.39	82,592.44	98.39	0.01	<0.001	<0.001
Yell Sound Islands	Bigga	4	287.75	82,797.19	97.67	0.01	<0.001	<0.001
	Lunna Holm	100	277.80	77,171.17	98.16	0.01	<0.001	<0.001
	Uynarey	16	288.68	83,337.30	97.84	0.01	<0.001	<0.001

Site Name	Component of SPA/Site	Breeding Individuals*	Distance to Caledonia South Site (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	117.38	13,777.13	81.49	0.01	<0.001	<0.001
	Grid Square HY2221	6	121.40	14,736.75	81.79	0.01	<0.001	<0.001

* Applying correction factor x 2.00 for total adult breeding numbers (Hughes *et al.* 2019⁴; Mitchell *et al.* 2004⁵).

** Counts from Swann (2016⁶) 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 South Site (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	162.7	26,471.62	81.97	0.01	0.038	0.020
	Sule Stack	9,100	163.8	26,830.44	87.16	0.01	0.053	0.028
Fair Isle SPA	-	11,184	167.1	27,917.06	84.01	0.01	0.065	0.034
Forth Islands SPA	Bass Rock	162,000	253.3	68,422.53	47.61	0.02	0.719	0.379
North Rona and Sula Sgeir SPA	-	18,990	261.0	68,122.04	86.89	0.01	0.044	0.023
Noss SPA	-	24,670	245.7	60,349.82	83.20	0.01	0.067	0.035
Hermaness, Saxa Vord and Valla Field SPA	-	39,606	325.6	106,046.62	85.91	0.01	0.059	0.031
Additional Colonies and Non-designated Sites								
Flannan Isles SPA	West Group	10,560	347.9	121,008.67	81.50	0.01	0.015	0.008
Foula SPA	-	4,227	228.6	52,258.87	86.88	0.01	0.013	0.007

Site Name	Component of SPA/Site	SMP Database Counts (Individuals)	Distance to Caledonia South Site (km)	Distance ²	Percentage of Foraging Range at Sea (P(Sea))	1/P(Sea)	Resulting weight	Proportional weight
Marwick Head - SPA	-	58	125.9	15,851.57	86.40	0.01	0.001	<0.001
Mingulay and Berneray SPA	Marwick Head	30	446.8	199,615.94	69.23	0.01	<0.001	<0.001
Rockall	Berneray	56	417.3	174,137.62	80.05	0.01	<0.001	<0.001
St Abb's Head - to Fast Castle SPA	-	236	265.0	70,211.22	47.50	0.02	0.001	0.001
St Kilda SPA	Boreray and Stacs	120,580	410.9	168,868.40	81.97	0.01	0.118	0.062
Troup, Pennan and Lion's Heads SPA	-	8,752	51.5	2,653.18	69.26	0.01	0.646	0.340
West Westray SPA	-Noup Cliffs RSPB (West Westray 2)	2,772	142.3	20,237.34	86.94	0.01	0.021	0.011

References

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