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Application Document 13

Appendix 13-1 Caledonia North Apportioning Technical
Note Annex 1 Apportioning Results

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Application Document 13 Appendix 13-1

Annex 1 Apportioning Results

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Acronyms and Abbreviations

OWF	Offshore Wind Farm
RIAA	Report to Inform Appropriate Assessment
SPA	Special Protection Area

1 Introduction

- 1.1.1.1 This annex provides 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 North, located in the Moray Firth, Scotland. This includes designated, specifically those associated with Special Protection Areas (SPAs) and Ramsar sites, and non-designated colonies to support the Report to Inform Appropriate Assessment (RIAA) (Application Document 13: Caledonia North Report to Inform Appropriate Assessment).
- 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 Application Document 13, Appendix 13-1: Caledonia North Apportioning Technical Note.

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*	-	48,920	51.50	2,652.25	64.60	0.02	3.068	0.513
North Caithness SPA	Duncansby Head	868	59.66	3,559.43	78.05	0.01	0.344	0.058
	Dunnet Head 2	146	80.11	6,416.81	77.73	0.01	0.034	0.006
	Dunnet Head 3	5,680	81.41	6,627.91	77.46	0.01	0.003	0.001
	Holburn Head 2	76	92.92	8,634.68	75.86	0.01	0.119	0.020
	Holburn Head 3	20	93.83	8,804.26	75.76	0.01	0.001	<0.001
	Little Clett	10	78.69	6,191.80	77.71	0.01	<0.001	0.001
	Melvich 1	508	111.62	12,459.69	74.21	0.01	<0.001	<0.001
	Melvich 2	178	112.42	12,637.58	74.01	0.01	0.006	0.001
	Melvich 3	3,644	113.36	12,851.17	73.94	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
	Sandside Head 1	2,026	109.64	12,019.83	74.48	0.01	0.024	0.004
	Sandside Head 2	824	110.78	12,272.65	74.43	0.01	0.010	0.002
	Skirza Head	1,732	56.34	3,174.20	77.66	0.01	0.075	0.013
	Stacks of Duncansby	564	58.08	3,372.82	77.00	0.01	0.023	0.004
	Stroma	148	66.14	4,374.37	78.47	0.01	0.005	0.001
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	4,786	61.77	3,815.04	65.52	0.02	0.206	0.034
	Crovie to Collie Head	1,516	59.36	3,523.02	64.39	0.02	0.072	0.012
	More Head-Crovie Pier (+Craigandargity skerry)	224	59.82	3,578.91	63.75	0.02	0.011	0.002
	Pennan Head	1,110	61.09	3,731.74	65.20	0.02	0.049	0.008
	Troup & Lion's Head RSPB (Coast & Reserve)	19,706	59.58	3,549.78	64.76	0.02	0.921	0.154

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
	West Quarry Head	2	62.21	3,870.58	65.56	0.02	<0.001	<0.001
Copinsay SPA	Copinsay RSPB	592	80.71	6,513.46	82.01	0.01	0.012	0.002
Hoy SPA	Hoy RSPB Reserve	76	80.19	9,256.94	80.19	0.01	0.001	<0.001
	HOY17	456	79.22	6,862.96	79.22	0.01	0.009	0.002
	HOY8	18	80.49	9,566.80	80.49	0.01	<0.001	<0.001
	Old Man of Hoy to Rora Head	58	80.21	9,186.07	80.21	0.01	0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	27,094	103.72	10,756.80	64.79	0.02	0.418	0.070
Rousay SPA	Rousay 1 - RSPB	464	123.24	15,189.08	83.69	0.01	0.004	0.001
	Rousay 11	108	121.47	14,754.72	84.09	0.01	0.001	<0.001
	Rousay 12	60	120.19	14,444.67	84.14	0.01	0.001	<0.001
	Rousay 4	306	125.68	15,794.46	83.96	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
	Rousay 7	12	124.13	15,409.25	84.21	0.01	<0.001	<0.001
	Rousay 8	12	123.46	15,243.11	84.21	0.01	<0.001	<0.001
Marwick Head SPA	-	2,878	117.64	13,838.23	82.51	0.01	0.027	0.005
Calf of Eday SPA	Calf of Eday	284	119.28	14,228.43	85.26	0.01	0.003	<0.001
	Eday 4	6	298.21	88,929.20	78.59	0.01	<0.001	<0.001
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	2,972	134.19	18,006.15	85.57	0.01	0.021	0.003
	West Westray 1	24	135.11	18,253.36	85.65	0.01	<0.001	<0.001
	West Westray 5	990	131.11	17,190.62	85.43	0.01	0.007	0.001
	West Westray 6	852	129.44	16,753.68	85.27	0.01	0.006	0.001
Fowlsheugh SPA	Fowlsheugh RSPB	30,966	161.36	26,037.37	53.97	0.02	0.237	0.040
	Swallow Cove - Crawton	4,312	163.10	26,602.91	53.74	0.02	0.032	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
	Thornyhive Bay	3,342	159.98	25,592.96	54.08	0.02	0.026	0.004
	Tremuda/Old Hall Bay	1,536	159.26	25,362.16	54.18	0.02	0.012	0.002
Cape wrath SPA	An Garbh-Eilean	72	176.62	31,193.56	76.95	0.01	<0.001	<0.001
	Cape Wrath 3	24	175.71	30,874.71	76.91	0.01	<0.001	<0.001
	Cape Wrath 4	586	176.22	31,052.43	77.01	0.01	0.003	<0.001
	Clo Mor 10	918	172.60	29,790.76	76.6	0.01	0.004	0.001
	Clo Mor 11	654	174.00	30,274.26	76.52	0.01	0.003	0.001
	Clo Mor 5	196	169.24	28,642.18	76.55	0.01	0.001	<0.001
	Clo Mor 7	1,360	169.81	28,835.78	76.54	0.01	0.007	0.001
	Clo Mor 8	510	170.82	29,180.50	76.53	0.01	0.002	<0.001
	Clo Mor 9	2,296	171.80	29,514.90	76.49	0.01	0.011	0.002
Fair Isle SPA	-	896	160.95	25,904.58	90.87	0.01	0.004	0.001
Sumburgh Head SPA	Geo of Parks to Jarlishof	636	202.41	40,967.78	94.39	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
	Grutness Pier to Greystane Geo	294	202.93	41,180.18	94.39	0.01	<0.001	<0.001
	Sandwick to Virkie: Boddam to Virkie within SPA	86	205.66	42,296.04	94.54	0.01	<0.001	<0.001
	Sumburgh Head	2	201.92	40,772.49	94.35	0.01	0.001	<0.001
Foula SPA	-	1,021	222.47	49,492.01	94.57	0.01	0.002	<0.001
North Rona and Sula Sgeir SPA	North Rona	894	234.54	55,010.42	84.59	0.01	0.002	<0.001
	Sula Sgeir	530	252.74	63,874.98	85.32	0.01	0.001	<0.001
Forth Islands SPA	Bass Rock	1,346	261.58	68,422.53	40.32	0.02	0.005	0.001
	Craigleith	218	263.22	69,286.87	39.18	0.03	0.001	<0.001
	Fidra	664	264.49	69,954.96	38.38	0.03	0.003	<0.001
	Isle of May	10,850	248.33	61,665.80	42.54	0.02	0.044	0.007
Noss SPA	-	172	239.53	57,373.18	95.69	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	1,064	272.07	74,022.63	44.80	0.02	0.003	0.001
	Moorburn Point to Fast Castle	176	271.66	73,796.98	44.46	0.02	0.001	<0.001
	St Abb's Head NNR	7,918	273.24	74,660.64	45.08	0.02	0.025	0.004
Handa SPA	-	9,178	209.56	43,914.97	72.79	0.01	0.031	0.005
Shiant Isles SPA	Eilean an Taighe	248	291.22	84,808.51	69.07	0.01	<0.001	<0.001
	Eilean Mhuire	1,364	289.45	83,783.04	69.03	0.01	0.003	<0.001
	Galta Beag Group	386	292.30	85,436.95	69.14	0.01	0.001	<0.001
	Galta Mor Group	134	293.00	85,848.41	69.33	0.01	<0.001	<0.001
	Garbh Eilean	186	290.97	84,662.38	69.14	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								
Bigton to Maywick	Griskerry to Taing of Maywick	44	217.04	47,105.93	95.08	0.01	<0.001	<0.001
Bressay	The Ord	92	232.81	54,199.56	94.75	0.01	<0.001	<0.001
Brough of Birsay	Brough of Birsay	2	120.54	14,529.41	82.95	0.01	<0.001	<0.001
Burn of Daff	Black Slough to Burn of Daff	606	145.80	21,257.93	56.66	0.02	0.005	0.001
	Burn of Daff to Newtonhill	1,580	147.73	21,824.74	56.26	0.02	0.014	0.002
Butt of Lewis to Gress - Lewis	Buaile nan Caorach	186	255.55	65,303.25	79.63	0.01	<0.001	<0.001
	Lobaid	42	252.83	63,923.01	76.82	0.01	<0.001	<0.001
	Spainneavaig	196	250.79	62,894.12	79.33	0.01	<0.001	<0.001
	Tom Loch Bacavat	70	250.68	62,841.97	77.92	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	90	119.99	14,397.12	85.27	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
Carr Craig, Eyebroughy and Haystack	Inchcolm	132	291.64	85,051.56	30.11	0.03	0.001	<0.001
	Inchkeith	804	282.79	79,972.45	32.51	0.03	0.003	0.001
Catterline to Inverbervie	Darn Bay	3,725	169.62	28,771.62	52.61	0.02	<0.001	<0.001
	Kineff	20	168.51	28,394.61	52.84	0.02	0.002	<0.001
	Little John's Haven	222	168.86	28,512.01	52.74	0.02	<0.001	<0.001
	Rouen Bay	12	166.84	27,835.92	53.10	0.02	0.003	<0.001
	Swirl Cove	348	167.29	27,985.61	53.03	0.02	0.001	<0.001
	The Slainges	83	166.09	27,586.88	53.24	0.02	0.014	0.002
	Whistleberry	1,934	167.78	28,149.12	52.94	0.02	0.006	0.001
	Yellow Ark	862	170.07	28,923.46	52.49	0.02	0.002	<0.001
Costa Head	-	46	126.76	16,067.08	83.55	0.01	<0.001	<0.001
Deerness	Deerness 10	10	84.44	7,130.79	82.29	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	Site	296	188.16	35,402.30	75.84	0.01	0.001	<0.001
	Am Balg	10	193.69	37,517.37	74.89	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
	Droman - Sandwood Bay	26	188.08	35,375.21	75.56	0.01	<0.001	<0.001
Eye Peninsula - Lewis	Bagh a Tuath	48	259.13	67,148.88	73.99	0.01	0.001	<0.001
	Chicken Head	20	265.82	70,660.27	73.61	0.01	<0.001	<0.001
	Eilean Mor Bayble	30	262.84	69,086.97	73.98	0.01	<0.001	<0.001
	Rubh' a' Chaise	104	261.66	68,467.53	74.06	0.01	<0.001	<0.001
	Rubha Deas	14	256.93	66,014.57	74.08	0.01	<0.001	<0.001
	Stac Shurardail	56	267.20	71,394.24	73.69	0.01	<0.001	<0.001
	Tiumpnan Head	62	255.16	65,104.07	74.36	0.01	<0.001	<0.001
Eyemouth to Burnmouth	Eyemouth to Burnmouth 1	120	278.16	77,371.32	45.30	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 2	342	277.30	76,897.51	45.35	0.02	0.001	<0.001
	Eyemouth to Burnmouth 3	12	277.32	76,906.94	45.33	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 4	124	277.05	76,757.26	45.34	0.02	<0.001	<0.001
	Eyemouth to Burnmouth 5	228	276.85	76,646.48	45.37	0.02	0.001	<0.001
	Eyemouth to Burnmouth 6	316	276.63	76,522.50	45.39	0.02	0.001	<0.001
	Eyemouth to Burnmouth 7	276	276.50	76,453.91	45.42	0.02	0.001	<0.001
Eynhallow	-	76	121.59	14,783.16	83.56	0.01	0.001	<0.001
Faraid Head/Balnakeil	Faraid Head 2	60	164.12	26,936.03	75.62	0.01	<0.001	<0.001
	Faraid Head 3	364	163.55	26,747.29	75.55	0.01	0.002	<0.001
	Faraid Head 4	232	163.32	26,672.44	75.48	0.01	0.001	<0.001
Fethaland to North Roe	Lanyar Taing to Lotaki Kame	4	294.97	87,004.35	97.88	0.01	<0.001	<0.001
Fetlar	Fetlar RSPB	128	296.43	87,868.97	97.84	0.01	<0.001	<0.001
Fetlar SPA	Big Holm to Moo Wick	124	287.14	82,447.66	98.17	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
Findon Ness - Hare Ness	Findon Ness to Black Slough	160	143.86	20,694.55	57.09	0.02	0.001	<0.001
	Hare Ness to Seal's Cove	1,624	141.47	20,014.61	57.49	0.02	0.015	0.003
	Seal's Cove to Findon Ness	570	142.79	20,389.27	57.28	0.02	0.005	0.001
Fraserburgh	Fraserburgh Harbour	162	64.40	4,147.49	68.02	0.01	0.006	0.001
Girdle Ness to Hare Ness	Cove Bay	2,646	138.96	19,309.60	57.97	0.02	0.025	0.004
	Cove to Hare Ness	722	140.08	19,621.57	57.75	0.02	0.007	0.001
	Greg Ness - Seals Hole	782	136.77	18,705.76	58.42	0.02	0.008	0.001
Green Holms	Muckle Green Holm	64	108.46	11,763.35	83.99	0.01	0.001	<0.001
Hall Bay to Craigeven Bay	Perthumie Bay 1	158	152.63	23,294.39	55.26	0.02	0.001	<0.001
	Calders Geo	72	267.35	71,474.95	97.07	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
Heylor to Stenness	Ockran Head and Hamnavoe	152	272.38	74,191.95	97.51	0.01	<0.001	<0.001
Holm	Gultak	22	81.94	6,714.33	81.60	0.01	<0.001	<0.001
Hopeman Bay	Covesea	1,398	75.88	5,757.47	51.05	0.02	0.051	0.009
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	Horse Island (HU30)	24	200.40	40,161.36	94.23	0.01	<0.001	<0.001
Horse of Copinsay	Horse of Copinsay	314	81.83	6,696.80	82.15	0.01	0.006	0.001
Hoy and Southwalls	HOY22	66	77.13	5,949.35	79.75	0.01	0.001	<0.001
Huxter to Brindister	Brough Skerries to Corn Head	1	251.11	63,054.22	94.55	0.01	<0.001	<0.001
	Neap of Norby to The Kamer	19	248.62	61,809.92	96.80	0.01	<0.001	<0.001
	Staraster to Shaabers Head	42	255.19	65,121.94	95.90	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 Kamer to Bay of Garth	8	249.80	62,400.04	94.69	0.01	<0.001	<0.001
Lunan Bay to Arbroath	Auchmithie	7	203.19	41,287.40	46.28	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 1	204	207.31	42,978.68	45.56	0.02	0.001	<0.001
	Whiting Ness to Ethie Haven 4	933	204.59	41,858.30	46.04	0.02	0.005	0.001
Maryick to Scalloway	Holm 4	10	220.44	48,593.79	95.35	0.01	<0.001	<0.001
Montrose to Lunan Bay	Buckiemill	740	195.95	38,394.44	47.18	0.02	0.004	0.001
Newton Hill	Doonie Point to Hall Bay	4	151.63	22,991.66	55.47	0.02	<0.001	<0.001
Newtonhill - Hall Bay	Newtonhill - May Craig	596	148.87	22,161.68	56.08	0.02	0.005	0.001
No Ness to Levenwick and Boddam to Virkie	Noness	76	216.94	47,063.40	95.29	0.01	<0.001	<0.001
	Troswick Beach to Boddam	42	210.16	44,165.12	94.64	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
	Troswick Ness	40	211.60	44,775.83	94.76	0.01	<0.001	<0.001
North Mainland 22 - Black Hill to Boat Geo South	HU 3066 - SKUA/GBBG	4	260.75	67,989	94.41	0.01	<0.001	<0.001
North Sutherland Islands	Eilean Iosal	141	140.86	19,841.82	74.22	0.01	0.001	<0.001
North Sutor to Shandwick	North Sutor Of Cromarty/Cast Iecraig	904	105.67	11,166.99	40.25	0.02	0.022	0.004
Old Hill - Lewis	Old Hill Whole Island	186	299.88	89,926.81	79.04	0.01	<0.001	<0.001
Papa Stour SPA	Papa Stour Whole Island	50	248.44	61,721.94	96.71	0.01	<0.001	<0.001
Pentland Firth Islands SPA	Swona	1	69.86	4,880.14	79.29	0.01	<0.001	<0.001
Peterhead	Peterhead South Harbour (urban)	66	91.75	8,418.80	67.41	0.01	0.001	<0.001
Portknockie	Portknockie	62	60.73	3,688.62	45.08	0.02	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
Portsoy to Cullen	Findlater	158	59.81	3,577.59	59.09	0.02	0.008	0.001
	Garron Point	434	60.28	3,634.04	59.22	0.02	0.022	0.004
	Redhythe Point	440	60.55	3,666.67	59.45	0.02	0.022	0.004
Ramna Stacks and Gruney SPA	Fladda	156	292.64	85,635.24	98.26	0.01	<0.001	<0.001
	Outer Stack	4	293.05	85,878.30	98.27	0.01	<0.001	<0.001
Ronas Hill - North Roe and Tingon – Cliff nesters only	Galti Stack	102	276.59	76,504.24	97.62	0.01	<0.001	<0.001
Rosehearty to Bay of Cullen	Head of Garness	6	59.25	3,510.44	62.77	0.02	<0.001	<0.001
	Snow Craig	50	59.76	3,571.62	63.21	0.02	0.002	<0.001
Rousay - South East	Trumland RSPB	254	118.35	14,006.25	83.50	0.01	0.002	<0.001
Sanday - Stove to Kettletoft	Starrie Geo	102	114.63	13,140.50	85.00	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
Sandvoe to Uyea	Sandvoe 3	8	289.19	83,630.86	97.70	0.01	<0.001	<0.001
Scapa Bay to St. Marys	Holm 4	46	89.43	7,997.72	81.50	0.01	0.001	<0.001
SE Lewis	Rubha na Creige Moire	22	278.90	77,785.77	71.25	0.01	<0.001	<0.001
Shapinsay (Coastal)	Shapinsay 8	26	98.12	9,627.53	82.80	0.01	<0.001	<0.001
	Shapinsay 9	8	97.93	9,590.68	82.92	0.01	<0.001	<0.001
Skeld, Westerwick and Culswick	Burga Stacks to Caves	2	233.86	54,688.63	95.52	0.01	<0.001	<0.001
	Scarvister to West Mouli Geo	26	232.36	53,990.70	94.08	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	54	233.36	54,455.49	95.25	0.01	<0.001	<0.001
	Westerwick to West of The Nev	100	232.52	54,063.69	95.10	0.01	<0.001	<0.001
Smoo to Melvich	Cleit An t-Seabhaig	50	151.77	23,035.35	75.02	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
	Rubha Thormaid	50	148.82	22,145.90	74.91	0.01	<0.001	<0.001
South Ronaldsay	Quindry - Hoxa - Dam of Hoxa	2	77.95	6,075.73	79.78	0.01	<0.001	<0.001
	The Altar - Quindry	68	77.71	6,039.00	80.13	0.01	0.002	<0.001
	Windwick - Burwick	32	71.01	5,042.42	79.64	0.01	0.001	<0.001
South Sutor	South Sutor 3	132	107.94	11,650.18	39.72	0.03	0.003	0.001
St. Ninian's Isle	Hich Holm	56	213.20	45,454.67	94.89	0.01	<0.001	<0.001
	St. Ninian's Isle	78	213.41	45,545.11	94.91	0.01	<0.001	<0.001
Stoer Headland	Point of Stoer - Cluas Deas	514	234.59	55,033.41	63.87	0.02	0.002	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	534	158.05	24,981.07	54.32	0.02	0.004	0.001
	Strathlethan Bay	61	157.28	24,736.37	54.37	0.02	<0.001	<0.001
Stronsay	Burgh Head 1	21	100.54	10,107.49	84.28	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
	Carlin Geo 1	188	100.31	10,062.70	84.10	0.01	0.002	<0.001
	Rothiesholm Head 2	98	103.03	10,615.39	84.21	0.01	0.001	<0.001
Sule Skerry and Sule Stack SPA	Sule Skerry	100	154.43	23,849.86	82.28	0.01	0.001	<0.001
Sumburgh Head Quarries	Compass Head	70	203.41	41,374.00	94.40	0.01	<0.001	<0.001
Sumburgh to Peerie Voe of Spiggie	Broad Stack to Stack of Barons Geo	94	203.91	41,578.47	94.37	0.01	<0.001	<0.001
	Corbie Geo to Whale Stack	2	209.57	43,920.00	94.64	0.01	<0.001	<0.001
Uyea	Uyea	24	285.55	81,537.66	97.73	0.01	<0.001	<0.001
Walls to Dales	Dogs Head to Treawick	16	238.29	56,781.17	94.46	0.01	<0.001	<0.001
	Point of Hus to Hevdigarth	20	236.76	56,055.30	93.97	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
	Treawick to Burrier Head	3	238.51	56,884.64	94.57	0.01	<0.001	<0.001
West Burra - Shetland	Whale Wick to Sandwick (incl. Ramna Geo)	58	225.30	50,760.54	93.64	0.01	<0.001	<0.001
Yell - East Coast	SE Yell (inc. Burravoe)	154	281.25	79,103.81	98.13	0.01	<0.001	<0.001
Yesnaby - Ness Point, Stromness	Grid Square HY2112	12	103.89	10,793.96	81.62	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	Row Head	2	110.83	12,284.18	82.29	0.01	<0.001	<0.001
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	Sands of Forvie	946	112.44	12,641.85	62.53	0.02	0.013	0.002
* Counts from Swann (2016 ²) SNH report.								

2.2 Great Black-backed Gull

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

Table 2-2: Great black-backed gull 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*	-	532	51.31	2,632.61	55.33	0.02	1.033	0.801
Additional Colonies and Non-Designated Sites								
Caithness - Wick Bay to Freshwick Bay	Keiss	2	52.48	2,753.63	66.71	0.01	0.003	0.002
	Nybster	2	53.15	2,824.71	69.31	0.01	0.003	0.002
	Noss Head	2	46.01	2,117.29	69.84	0.01	0.004	0.003
	Staxigoe	2	44.70	1,997.73	70.15	0.01	0.004	0.003
Kinloss Aerodrome	Kinloss Aerodrome 1	2	61.61	3,795.79	50.25	0.02	0.003	0.002
Melvich to Duncansby Stacks SSSI	St Johns Point	2	69.55	4,836.92	69.67	0.04	0.002	0.001
North Caithness Cliffs SPA	Auckengill within SPA	14	55.30	3,057.65	71.46	0.01	0.018	0.014
	Duncansby Head	2	59.66	3,559.43	75.91	0.01	0.002	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
	Stacks of Duncansby	2	58.08	3,372.82	75.31	0.01	0.002	0.002
	Stroma Island	126	66.26	4,389.99	73.90	0.01	0.110	0.085
Portknockie	Portknockie	4	60.73	3,688.62	50.66	0.02	0.006	0.005
Portsoy to Cullen	Findlater	4	59.81	3,577.59	52.16	0.02	0.006	0.005
	Garron Point	4	60.28	3,634.04	52.02	0.02	0.006	0.005
	Redhythe Point	2	60.55	3,666.67	51.89	0.02	0.003	0.002
Rosehearty to Bay of Cullen	Head of Garness	2	59.25	3,510.44	55.51	0.02	0.003	0.002
	Old Haven	4	59.14	3,497.18	55.15	0.02	0.006	0.005
	Rosehearty	4	61.18	3,743.11	66.34	0.02	0.005	0.004
SKUA/GBBGU – Pentland Firth Islands	ND3884	7	70.19	4,927.20	75.95	0.01	0.005	0.004
SKUA/GBBGU - South Ronaldsay	ND4483	14	66.03	4,359.96	78.17	0.01	0.012	0.009
	ND4683	8	65.66	4,310.97	78.84	0.01	0.007	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
South Ronaldsay	Swona	40	69.86	4,880.14	76.05	0.01	0.030	0.024
Strathlene to Portknockie	Tronach Head	2	61.48	3,701.14	49.79	0.02	0.003	0.002
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	2	61.77	3,815.04	62.26	0.02	0.002	0.002
	Crovie to Collie Head	4	59.36	3,523.02	59.6	0.02	0.005	0.004
	More Head-Crovie Pier (+Craigandargity skerry)	2	72.99	5,326.81	67.12	0.01	0.002	0.001
	West Quarry Head	4	62.21	3,870.58	63.06	0.02	0.005	0.004
* Counts from Swann (2016 ²).								

2.3 Herring Gull

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

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

Site	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*	-	6,534	51.37	2,638.98	52.91	0.02	1.035	0.581
Troup, Pennan and Lion's Heads SPA	Aberdour Bay	286	61.77	3,815.04	64.75	0.02	0.026	0.014
	Crovie to Collie Head	98	59.36	3,523.02	62.44	0.02	0.01	0.006
	More Head-Crovie Pier (+Craigandargity skerry)	242	59.82	3,578.91	61.13	0.02	0.024	0.014
	Pennan Head	122	61.09	3,731.74	64	0.02	0.011	0.006
	Troup & Lion's Head RSPB (Coast & Reserve)	294	59.58	3,549.78	63.64	0.02	0.029	0.016
	West Quarry Head	64	62.21	3,870.58	65.49	0.02	0.006	0.003

Site	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								
Banff	Banff Town	66	60.43	3,651.78	55.09	0.02	0.007	0.004
Brora	Brora Town	74	85.57	7,322.74	28.64	0.03	0.008	0.004
Buckie	Buckie	248	65.65	4,310.19	41.91	0.02	0.030	0.017
Burghead	Burghead Centre (urban)	98	82.71	6,841.11	30.58	0.03	0.010	0.006
Burray	Burray Ness 1	69	78.66	6,186.61	83.12	0.01	0.003	0.002
	Burray Ness 2	50	78.07	6,095.24	83.38	0.01	0.002	0.001
Burray and Hunda	Burray and Hunda (skuas)	5	80.96	6,554.36	80.83	0.01	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Ackergillshore	6	48.30	2,332.79	71.14	0.01	0.001	<0.001
	Noss Head	12	46.01	2,117.29	72.70	0.01	0.002	0.001
	Nybster	2	53.15	2,824.71	72.75	0.01	<0.001	<0.001
	Staxigoe	4	44.70	1,997.73	72.20	0.01	0.001	<0.001
Caithness Urban	Wick Town	116	45.39	2,060.07	70.08	0.01	0.018	0.010
Calf of Flotta	Calf of Flotta 1	54	81.67	6,669.17	79.23	0.01	0.002	0.001

Site	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
Copinsay SPA	Black Holm	1	81.75	6,682.74	87.77	0.01	<0.001	<0.001
	Copinsay RSPB	21	80.71	6,513.46	87.99	0.01	0.001	<0.001
	Corn Holm	4	81.51	6,643.23	87.76	0.01	<0.001	<0.001
Deerness	Deerness 10	4	84.44	7,130.79	88.04	0.01	<0.001	<0.001
Elgin	Elgin Rooftops	428	80.73	6,517.17	32.45	0.03	0.045	0.025
Fara	Fara	38	83.58	6,985.28	77.72	0.01	0.002	0.001
Fochabers and Mosstodloch	Milne's High School	22	75.52	5,702.97	35.26	0.03	0.002	0.001
	Mosstodloch	34	75.10	5,640.31	35.79	0.03	0.004	0.002
Forres and Logie	Forres Town	156	76.27	5,816.50	34.84	0.03	0.017	0.010
Holm	Holm 2	2	82.75	6,847.07	86.12	0.01	<0.001	<0.001
Holm, Deerness and Tankerness	Breckquoy	120	80.57	7,096.71	83.12	0.01	0.005	0.003
	Cornquoy 2	2	84.20	6,491.69	84.20	0.01	<0.001	<0.001
Hopeman Bay	Covesea	118	75.88	5,757.47	31.22	0.03	0.014	0.008
	Garberry	28	79.62	6,339.98	74.94	0.01	0.001	0.001

Site	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 and Southwalls	HOY21	2	78.72	6,197.31	75.85	0.01	<0.001	<0.001
Hoy SPA	HOY19	82	80.04	6,406.40	74.73	0.01	0.004	0.002
Kinloss Aerodrome	Kinloss Aerodrome 1	620	61.61	3,795.79	49.63	0.02	0.073	0.041
Lossiemouth East Beach and Loch Spynie	Lossiemouth Aerodrome	112	74.42	5,538.49	34.24	0.03	0.013	0.007
Lossiemouth Town	Lossiemouth 1	426	70.92	5,028.94	36.00	0.03	0.052	0.029
Macduff	Macduff Town	56	58.89	3,467.80	56.49	0.02	0.006	0.004
Melvich to Duncansby Stacks SSSI	Scarfskerry 1	4	74.53	5,555.17	70.17	0.01	<0.001	<0.001
	Scarfskerry 2	16	76.67	5,878.29	68.10	0.01	0.001	<0.001
	St Johns Point	22	69.55	4,836.92	73.09	0.01	0.001	0.001
North Caithness Cliffs SPA	Auckengill within SPA	48	55.30	3,057.65	75.27	0.01	0.005	0.003
	Duncansby Head	68	59.66	3,559.43	78.52	0.01	0.005	0.003

Site	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
	Dunnet head 1	10	79.63	6,340.62	68.06	0.01	0.001	<0.001
	Dunnet head 3	2	81.53	6,647.14	67.89	0.01	<0.001	<0.001
	Little Clett	84	78.69	6,191.80	67.75	0.01	0.004	0.002
	Melvich 2	2	112.30	12,610.84	47.15	0.02	<0.001	<0.001
	Melvich 3	2	113.24	12,824.20	47.26	0.02	<0.001	<0.001
	Sandside Head 2	2	110.66	12,246.30	48.17	0.02	<0.001	<0.001
	Skirza Head	4	56.34	3,174.20	76.70	0.01	<0.001	<0.001
	Stacks of Duncansby	16	58.08	3,372.82	78.24	0.01	0.001	0.001
	Stroma	150	66.14	4,374.37	76.56	0.01	0.010	0.006
Pentland Firth Islands SPA	Swona	12	69.86	4,880.14	79.16	0.01	0.001	<0.001
Portknockie	Portknockie	356	60.73	3,688.62	46.79	0.02	0.046	0.026
Portsoy - Whitehills	Portsoy Town	16	59.52	3,630.91	50.94	0.02	0.002	0.001
	Cullen (roofs)	4	60.88	3,706.37	47.44	0.02	0.001	<0.001

Site	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
Portsoy to Cullen	Findlater	166	59.81	3,577.59	48.99	0.02	0.021	0.012
	Redhythe Point	360	60.55	3,666.67	50.08	0.02	0.043	0.024
	Garron Point	702	60.28	3,634.04	49.36	0.02	0.087	0.049
Rosehearty to Bay of Cullen	Bay of Cullen	210	58.84	3,462.38	57.79	0.02	0.023	0.013
	Gardenstown (roofs)	16	60.77	3,693.24	60.35	0.02	0.002	0.001
	Head of Garness	138	59.25	3,510.44	58.45	0.02	0.015	0.008
	Old Haven	206	59.14	3,497.18	58.11	0.02	0.022	0.013
	Rosehearty	66	61.18	3,743.11	68.38	0.01	0.006	0.003
	Rosehearty (roofs)	4	60.95	3,714.54	69.57	0.01	<0.001	<0.001
	Snow Craig	98	59.76	3,571.62	59.64	0.02	0.010	0.006
	Stocked Head	2	59.36	3,523.85	58.78	0.02	<0.001	<0.001
Sandhaven	Sandhaven (roofs)	2	61.68	3,804.30	71.43	0.01	<0.001	<0.001

Site	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
South Ronaldsay	Honeysgeo - Stews	23	73.66	5,425.80	82.42	0.01	0.001	0.001
	Honeysgeo to Dam of Hoxa	2	80.64	6,502.00	80.38	0.01	<0.001	<0.001
	Quindry - Hoxa - Dam of Hoxa	16	77.95	6,075.73	79.37	0.01	0.001	<0.001
	The Altar - Quindry	6	77.71	6,039.00	80.61	0.01	<0.001	<0.001
South Ronaldsay (East)	Grimness 1	21	74.93	5,614.50	80.15	0.02	0.001	0.001
South Ronaldsay (South East)	Barswick 2	13	69.70	4,857.81	80.03	0.01	0.001	<0.001
	Trena Loch	2	68.12	4,640.74	80.76	0.01	<0.001	<0.001
St Fergus	St Fergus Gas Terminal	50	81.55	6,649.91	73.32	0.01	0.002	0.001
Strathlene to Portknockie	Tronach Head	18	60.84	3,701.14	45.86	0.02	0.002	0.001
Whitehills	Whitehills (roofs)	6	59.16	3,500.26	54.20	0.02	0.001	<0.001
* Counts from Swann (2016 ²).								

2.4 Great Skua

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

Table 2-4: Great skua 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								
Hoy SPA	Hoy RSPB Reserve	260	96.21	9,256.94	88.23	0.01	0.208	0.096
	Stourdale	26	95.64	9,147.77	88.23	0.01	0.021	0.010
Fair Isle SPA	Fair Isle	306	160.95	25,904.58	89.58	0.01	0.087	0.039
Fetlar SPA	HU580910 - SKUA/GBBG	24	288.74	83,367.90	92.22	0.01	0.002	0.001
	HU580920 - SKUA/GBBG	6	289.74	83,946.37	92.25	0.01	0.001	<0.001
	HU590880 - SKUA/GBBG	4	285.99	81,792.00	92.15	0.01	<0.001	<0.001
	HU590890 - SKUA/GBBG	20	286.99	82,365.56	92.18	0.01	0.002	0.001
	HU590900 - SKUA/GBBG	20	287.99	82,940.54	92.20	0.01	0.002	0.001
	HU590910 - SKUA/GBBG	8	289.05	83,548.17	92.20	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
	HU590920 - SKUA/GBBG	4	290.06	84,134.80	92.14	0.01	<0.001	<0.001
	HU590930 - SKUA/GBBG	2	295.66	87,412.47	92.26	0.01	<0.001	<0.001
	HU600870 - SKUA/GBBG	2	285.33	81,412.64	92.13	0.01	<0.001	<0.001
	HU600880 - SKUA/GBBG	50	286.33	81,984.87	92.15	0.01	0.004	0.002
	HU600890 - SKUA/GBBG	58	287.42	82,612.56	92.13	0.01	0.005	0.002
	HU600900 - SKUA/GBBG	4	290.23	84,235.77	92.19	0.01	<0.001	<0.001
	HU600920 - SKUA/GBBG	24	290.50	84,391.99	92.23	0.01	0.002	0.001
	HU600930 - SKUA/GBBG	2	295.72	87,447.95	92.18	0.01	<0.001	<0.001
	HU610870 - SKUA/GBBG	4	285.38	81,439.46	92.13	0.01	<0.001	<0.001
	HU610880 - SKUA/GBBG	28	286.51	82,089.70	92.10	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
	HU610890 - SKUA/GBBG	6	289.35	83,720.53	92.13	0.01	0.001	<0.001
	HU610930 - SKUA/GBBG	26	295.88	87,544.97	92.17	0.01	0.002	0.001
	HU610940 - SKUA/GBBG	10	295.37	87,241.07	92.31	0.01	0.001	<0.001
	HU620920 - SKUA/GBBG	24	290.92	84,634.45	92.17	0.01	0.002	0.001
	HU620930 - SKUA/GBBG	44	296.71	88,036.82	92.16	0.01	0.004	0.002
	HU620940 - SKUA/GBBG	18	296.77	88,070.65	92.28	0.01	0.001	0.001
	HU630910 - SKUA/GBBG	10	289.93	84,057.09	92.11	0.01	0.001	<0.001
	HU630920 - SKUA/GBBG	40	290.87	84,607.10	92.18	0.01	0.003	0.002
	HU630930 - SKUA/GBBG	54	297.69	88,619.93	92.26	0.01	0.004	0.002
	HU630940 - SKUA/GBBG	40	298.16	88,897.00	92.25	0.01	0.003	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
	HU640890 - SKUA/GBBG	8	288.09	82,992.97	92.20	0.01	0.001	<0.001
	HU640910 - SKUA/GBBG	8	290.06	84,135.96	92.22	0.01	0.001	<0.001
	HU640920 - SKUA/GBBG	28	296.93	88,165.64	92.18	0.01	0.002	0.001
	HU640930 - SKUA/GBBG	18	296.69	88,024.96	92.22	0.01	0.001	0.001
	HU650880 - SKUA/GBBG	6	287.32	82,553.36	92.18	0.01	0.001	<0.001
	HU650890 - SKUA/GBBG	4	288.36	83,149.76	92.19	0.01	<0.001	<0.001
	HU660920 - SKUA/GBBG	4	295.38	87,248.75	92.28	0.01	<0.001	<0.001
	HU670910 - SKUA/GBBG	8	291.40	84,913.96	92.20	0.01	0.001	<0.001
	HU580910 - SKUA/GBBG	24	288.74	83,367.90	92.22	0.01	0.002	0.001
	HU580920 - SKUA/GBBG	6	289.74	83,946.37	92.25	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
	HU590880 - SKUA/GBBG	4	285.99	81,792.00	92.15	0.01	<0.001	<0.001
	HU590890 - SKUA/GBBG	20	286.99	82,365.56	92.18	0.01	0.002	0.001
	HU590900 - SKUA/GBBG	20	287.99	82,940.54	92.20	0.01	0.002	0.001
	HU590910 - SKUA/GBBG	8	289.05	83,548.17	92.20	0.01	0.001	<0.001
	HU590920 - SKUA/GBBG	4	290.06	84,134.80	92.14	0.01	<0.001	<0.001
	HU590930 - SKUA/GBBG	2	295.66	87,412.47	92.26	0.01	<0.001	<0.001
	HU600870 - SKUA/GBBG	2	285.33	81,412.64	92.13	0.01	<0.001	<0.001
	HU600880 - SKUA/GBBG	50	286.33	81,984.87	92.15	0.01	0.004	0.002
	HU600890 - SKUA/GBBG	58	287.42	82,612.56	92.13	0.01	0.005	0.002
	HU600900 - SKUA/GBBG	4	290.23	84,235.77	92.19	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
	HU600920 - SKUA/GBBG	24	290.50	84,391.99	92.23	0.01	0.002	0.001
	HU600930 - SKUA/GBBG	2	295.72	87,447.95	92.18	0.01	<0.001	<0.001
	HU610870 - SKUA/GBBG	4	285.38	81,439.46	92.13	0.01	<0.001	<0.001
	HU610880 - SKUA/GBBG	28	286.51	82,089.70	92.10	0.01	0.002	0.001
	HU610890 - SKUA/GBBG	6	289.35	83,720.53	92.13	0.01	0.001	<0.001
	HU610930 - SKUA/GBBG	26	295.88	87,544.97	92.17	0.01	0.002	0.001
	HU610940 - SKUA/GBBG	10	295.37	87,241.07	92.31	0.01	0.001	<0.001
	HU620920 - SKUA/GBBG	24	290.92	84,634.45	92.17	0.01	0.002	0.001
	HU620930 - SKUA/GBBG	44	296.71	88,036.82	92.16	0.01	0.004	0.002
	HU620940 - SKUA/GBBG	18	296.77	88,070.65	92.28	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
	HU630910 - SKUA/GBBG	10	289.93	84,057.09	92.11	0.01	0.001	<0.001
	HU630920 - SKUA/GBBG	40	290.87	84,607.10	92.18	0.01	0.003	0.002
	HU630930 - SKUA/GBBG	54	297.69	88,619.93	92.26	0.01	0.004	0.002
	HU630940 - SKUA/GBBG	40	298.16	88,897.00	92.25	0.01	0.003	0.001
	HU640890 - SKUA/GBBG	8	288.09	82,992.97	92.20	0.01	0.001	<0.001
	HU640910 - SKUA/GBBG	8	290.06	84,135.96	92.22	0.01	0.001	<0.001
	HU640920 - SKUA/GBBG	28	296.93	88,165.64	92.18	0.01	0.002	0.001
	HU640930 - SKUA/GBBG	18	296.69	88,024.96	92.22	0.01	0.001	0.001
	HU650880 - SKUA/GBBG	6	287.32	82,553.36	92.18	0.01	0.001	<0.001
	HU650890 - SKUA/GBBG	4	288.36	83,149.76	92.19	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
	HU660920 - SKUA/GBBG	4	295.38	87,248.75	92.28	0.01	<0.001	<0.001
	HU670910 - SKUA/GBBG	8	291.40	84,913.96	92.20	0.01	0.001	<0.001
Foula SPA	Foula	616	222.47	49,492.01	90.76	0.01	0.090	0.041
Noss SPA	Noss	160	239.53	57,373.18	91.08	0.01	0.020	0.009
Ronas-Hill - North Roe and Tingon SPA - INLAND	Black Bitten	4	281.19	79,067.82	91.82	0.01	<0.001	<0.001
	HU 2884 - SKUA/GBBG	22	273.51	74,807.17	91.91	0.01	0.002	0.001
	HU 2982 - SKUA/GBBG	6	281.54	79,263.65	91.88	0.01	0.001	<0.001
	HU 2985 - SKUA/GBBG	12	279.86	78,322.18	91.88	0.01	0.001	0.001
	HU 3085 - SKUA/GBBG	18	280.87	78,890.20	91.73	0.01	0.002	0.001
	HU 3086 - SKUA/GBBG	22	281.20	79,071.19	91.88	0.01	0.002	0.001
	HU 3087 - SKUA/GBBG	2	280.81	78,856.50	91.99	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
	HU 3185 - SKUA/GBBG	2	281.75	79,382.50	91.69	0.01	<0.001	<0.001
	HU 3186 - SKUA/GBBG	2	282.23	79,653.21	91.80	0.01	<0.001	<0.001
	HU 3285 - SKUA/GBBG	8	283.64	80,453.35	91.91	0.01	0.001	<0.001
	HU 3286 - SKUA/GBBG	6	284.19	80,762.82	91.65	0.01	0.001	<0.001
	HU 3287 - SKUA/GBBG	6	282.50	79,805.12	91.88	0.01	0.001	<0.001
	HU 3288 - SKUA/GBBG	4	283.08	80,134.29	91.85	0.01	<0.001	<0.001
	HU 3289 - SKUA/GBBG	2	283.31	80,265.12	91.88	0.01	<0.001	<0.001
	HU 3386 - SKUA/GBBG	2	284.88	81,156.61	91.85	0.01	<0.001	<0.001
	HU 3387 - SKUA/GBBG	4	284.39	80,876.53	91.57	0.01	<0.001	<0.001
	HU 3389 - SKUA/GBBG	6	284.31	80,832.74	91.79	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
	HU 3487 - SKUA/GBBG	12	295.97	87,595.28	91.98	0.01	0.001	<0.001
	HU 3488 - SKUA/GBBG	8	296.07	87,655.08	92.02	0.01	0.001	<0.001
	HU 3589 - SKUA/GBBG	10	294.81	86,913.53	91.73	0.01	0.001	<0.001
	HU2584 - SKUA/GBBG	18	274.57	75,390.88	91.79	0.01	0.002	0.001
	HU2585 - SKUA/GBBG	10	275.34	75,812.12	91.91	0.01	0.001	<0.001
	HU2682 - SKUA/GBBG	18	280.84	78,869.98	91.68	0.01	0.002	0.001
	HU2683 - SKUA/GBBG	4	279.96	78,378.16	91.80	0.01	<0.001	<0.001
	HU3084 - SKUA/GBBG	4	282.21	79,644.18	91.77	0.01	<0.001	<0.001
Hermaness, Saxa Vord and Valla Field SPA	Hermaness	416	319.51	102,088.56	92.85	0.01	0.029	0.013
	HP 580129 - SKUA/GBBG	32	311.91	97,285.98	92.69	0.01	0.002	0.001
Handa SPA	Handa Island	168	209.56	43,914.97	87.56	0.01	0.029	0.013

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. Kilda SPA	Boreray and Stacs	36	402.67	162,142.32	88.17	0.01	0.002	0.001
	Dun	20	410.31	168,351.01	88.15	0.01	0.001	<0.001
Additional Colonies and Non-Designated Sites								
Aithsting	HU2354 - SKUA/GBBG	4	255.36	65,207.20	90.86	0.01	<0.001	<0.001
	HU2552 - SKUA/GBBG	2	243.05	59,073.79	90.99	0.01	<0.001	<0.001
	HU2754 - SKUA/GBBG	2	263.56	69,463.35	91.12	0.01	<0.001	<0.001
	HU2755 - SKUA/GBBG	1	262.94	69,137.97	91.19	0.01	<0.001	<0.001
	HU2852 - SKUA/GBBG	2	243.01	59,054.35	90.98	0.01	<0.001	<0.001
	HU2954 - SKUA/GBBG	2	262.22	68,757.76	91.18	0.01	<0.001	<0.001
Arisdale	HU4884 - SKUA/GBBG	4	281.12	79,030.70	91.73	0.01	<0.001	<0.001
	HU4983 - SKUA/GBBG	4	286.91	82,318.50	91.76	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
	HU4984 - SKUA/GBBG	4	281.08	79,004.28	91.41	0.01	<0.001	<0.001
	HU5083 - SKUA/GBBG	12	282.08	79,567.43	91.91	0.01	0.001	<0.001
	HU5084 - SKUA/GBBG	4	281.42	79,197.22	91.79	0.01	<0.001	<0.001
	HU5183 - SKUA/GBBG	4	285.01	81,227.85	91.75	0.01	<0.001	<0.001
	HU5184 - SKUA/GBBG	6	283.68	80,473.78	91.75	0.01	0.001	<0.001
Assynt (Inland Lochs)	Loch Cul Fraoich	2	229.39	52,620.23	87.71	0.01	<0.001	<0.001
Auskerry SPA	Auskerry	2	94.88	9,002.59	88.49	0.01	0.002	0.001
Aywick	HU5488 - SKUA/GBBG	2	285.56	81,545.08	92.06	0.01	<0.001	<0.001
Barra & Vatersay	Greian Head	2	415.63	172,749.13	84.38	0.01	<0.001	<0.001
Basta	HU5193 - SKUA/GBBG	2	291.72	85,101.14	92.09	0.01	<0.001	<0.001
	HU5293 - SKUA/GBBG	2	291.44	84,939.61	92.08	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
Bearasay - Lewis	Bearasay (Whole Island)	2	299.91	89,947.81	87.30	0.01	<0.001	<0.001
Birsay Moors to South of Hillside Road	Birsay Moors RSPB	54	119.52	14,285.03	88.21	0.01	0.028	0.012
Bressay	Bressay (skuas)	40	243.49	59,286.89	91.02	0.01	0.005	0.002
Brindister	HU4139 - SKUA/GBBG	2	233.24	54,401.36	90.98	0.01	<0.001	<0.001
Burra	hu360310 - SKUA/GBBG	2	223.53	49,963.43	90.83	0.01	<0.001	<0.001
	hu380320 - SKUA/GBBG	2	224.68	50,482.90	90.86	0.01	<0.001	<0.001
	hu380340 - SKUA/GBBG	2	226.88	51,476.35	90.91	0.01	<0.001	<0.001
Burrafirth	HU3655 - SKUA/GBBG	2	268.74	72,220.65	91.08	0.01	<0.001	<0.001
	HU3754 - SKUA/GBBG	2	247.72	61,362.72	91.19	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
	HU3858 - SKUA/GBBG	2	268.52	72,100.31	91.05	0.01	<0.001	<0.001
Burravoe	HU5179 - SKUA/GBBG	2	276.11	76,237.84	91.88	0.01	<0.001	<0.001
Burray	Hillside	2	80.39	6,462.23	88.21	0.01	0.002	0.001
Caithness - Inland Gulls	Grassie Loch	1	48.13	2,316.59	86.78	0.01	0.003	0.001
Calf of Eday SPA	Calf of Eday	72	119.99	14,397.12	88.92	0.01	0.037	0.017
	Eday 6	2	122.26	14,947.75	88.89	0.01	0.001	<0.001
Canis Dale	HU4682 - SKUA/GBBG	2	282.98	80,077.11	91.83	0.01	<0.001	<0.001
	HU4782 - SKUA/GBBG	12	283.29	80,250.96	91.84	0.01	0.001	<0.001
	HU4881 - SKUA/GBBG	2	279.29	78,002.35	91.80	0.01	<0.001	<0.001
	HU4981 - SKUA/GBBG	4	279.23	77,969.39	91.83	0.01	<0.001	<0.001
	HU4982 - SKUA/GBBG	8	280.08	78,443.13	91.65	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
	HU5082 - SKUA/GBBG	14	280.64	78,761.05	91.59	0.01	0.001	0.001
	HU5181 - SKUA/GBBG	2	278.40	77,504.33	91.83	0.01	<0.001	<0.001
	HU5182 - SKUA/GBBG	2	281.27	79,110.56	91.89	0.01	<0.001	<0.001
	HU5282 - SKUA/GBBG	4	280.27	78,549.03	91.83	0.01	<0.001	<0.001
Canna and Sanday SPA	Canna and Sanday	8	398.80	159,044.63	87.69	0.01	0.001	<0.001
Causamul, Haskeir, Boreray and Spuir	Boreray (N Uist)	2	351.42	123,494.61	87.05	0.01	<0.001	<0.001
	Haskeir	6	375.57	141,049.07	87.98	0.01	<0.001	<0.001
	Haskeir Eagach Islets	4	377.08	142,190.08	87.99	0.01	<0.001	<0.001
Coll	Coll 20, Black Hill	6	444.58	197,648.71	87.84	0.01	<0.001	<0.001
Copinsay SPA	Copinsay	14	80.71	6,513.46	88.26	0.01	0.016	0.007
	Corn Holm	2	81.51	6,643.23	88.26	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
Coppister	HU4678 - SKUA/GBBG	2	278.57	77,603.47	91.85	0.01	<0.001	<0.001
	HU4780 - SKUA/GBBG	2	280.21	78,519.33	91.71	0.01	<0.001	<0.001
	HU5080 - SKUA/GBBG	2	277.35	76,921.91	91.89	0.01	<0.001	<0.001
Cunningsburgh	HU390280 - SKUA/GBBG	6	221.73	49,164.19	90.71	0.01	0.001	<0.001
	HU390290 - SKUA/GBBG	2	222.50	49,504.03	90.75	0.01	<0.001	<0.001
	HU390300 - SKUA/GBBG	10	223.00	49,729.45	90.79	0.01	0.001	0.001
	HU400290 - SKUA/GBBG	2	223.87	50,118.67	90.60	0.01	<0.001	<0.001
	HU400300 - SKUA/GBBG	2	223.93	50,145.09	90.65	0.01	<0.001	<0.001
	HU410300 - SKUA/GBBG	2	224.93	50,593.95	90.81	0.01	<0.001	<0.001
Dale Hill	HU1853 - SKUA/GBBG	30	240.84	58,002.94	91.18	0.01	0.004	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
	HU1854 - SKUA/GBBG	82	242.47	58,790.25	91.20	0.01	0.010	0.005
	HU1953 - SKUA/GBBG	4	241.71	58,425.66	91.04	0.01	<0.001	<0.001
	HU1954 - SKUA/GBBG	16	243.47	59,276.18	91.02	0.01	0.002	0.001
	HU2054 - SKUA/GBBG	4	245.31	60,176.51	90.83	0.01	<0.001	<0.001
Deepdale	Deepdale	6	219.06	47,985.09	90.63	0.01	0.001	<0.001
	HU390250 - SKUA/GBBG	18	219.69	48,265.01	90.49	0.01	0.003	0.001
	HU390260 - SKUA/GBBG	14	220.58	48,654.21	90.58	0.01	0.002	0.001
	HU390270 - SKUA/GBBG	12	220.92	48,807.41	90.63	0.01	0.002	0.001
	HU400250 - SKUA/GBBG	10	219.35	48,113.98	90.60	0.01	0.002	0.001
	HU400260 - SKUA/GBBG	2	221.50	49,062.25	90.63	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
	HU400280 - SKUA/GBBG	6	222.67	49,582.37	90.55	0.01	0.001	<0.001
	HU410260 - SKUA/GBBG	2	224.18	50,255.33	90.70	0.01	<0.001	<0.001
	HU410270 - SKUA/GBBG	2	224.18	50,257.12	90.41	0.01	<0.001	<0.001
Deerness	Mull Head - ground nesters	4	89.36	7,984.85	88.37	0.01	0.004	0.002
Droman to Geodha Ruadh na Fola	Am Balg	2	188.16	35,402.30	87.91	0.01	<0.001	<0.001
Druim Mor - Lewis	NB5042 - SKUA/GBBG	12	259.63	67,407.22	88.19	0.01	0.001	0.001
	NB5142 - SKUA/GBBG	18	258.63	66,888.96	88.19	0.01	0.002	0.001
East Mainland - Orkney - Tysties	Copinsay RSPB Reserve - Tysties	16	81.20	6,593.60	88.26	0.01	0.018	0.008
East Trotternish	Dun Grianan	2	315.03	99,243.27	87.57	0.01	<0.001	<0.001
Eday	Fersness Hill	6	117.89	13,897.34	88.92	0.01	0.003	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
	London Airport	2	115.16	13,262.75	88.80	0.01	0.001	0.001
	Muckle Hill	6	115.03	13,231.67	88.78	0.01	0.003	0.002
	Noup Hill	8	122.12	14,913.29	88.85	0.01	0.004	0.002
	Vinquoy Hill	2	120.70	14,569.21	88.88	0.01	0.001	<0.001
	Ward Hill	4	120.38	14,490.86	88.80	0.01	0.002	0.001
	Whitemaw Hill	6	113.20	12,814.47	88.76	0.01	0.003	0.002
Effirth to Ness of Bixter	Nousta Skerry	1	245.89	60,460.91	91.28	0.01	<0.001	<0.001
Eilean Hoan, Eilean Cluimhrig, An Dubh-Sgeir	Eilean Hoan RSPB	10	159.96	25,587.20	87.87	0.01	0.003	0.001
Eswick	HU4953 - SKUA/GBBG	2	249.02	62,010.96	91.37	0.01	<0.001	<0.001
Eynhallow	Eynhallow	30	121.59	14,783.16	88.73	0.01	0.015	0.007
Fara	Fara	34	83.58	6,985.28	88.18	0.01	0.036	0.017
Faray, Holm of Faray & Rusk Holm	Faray	10	119.21	14,211.50	88.84	0.01	0.005	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
Fetlar	Fetlar RSPB	8	296.43	87,868.97	92.19	0.01	0.001	<0.001
	HU660880 - SKUA/GBBG	2	287.56	82,689.03	92.18	0.01	<0.001	<0.001
	HU660890 - SKUA/GBBG	4	288.84	83,428.55	92.20	0.01	<0.001	<0.001
Fitful	HU340120 - SKUA/GBBG	10	203.84	41,551.97	90.41	0.01	0.002	0.001
	HU340130 - SKUA/GBBG	38	204.84	41,961.06	90.43	0.01	0.007	0.003
	HU340140 - SKUA/GBBG	32	205.84	42,371.75	90.45	0.01	0.005	0.003
	HU350120 - SKUA/GBBG	46	204.14	41,674.77	90.40	0.01	0.008	0.004
	HU350130 - SKUA/GBBG	48	205.31	42,151.79	90.36	0.01	0.008	0.004
	HU350140 - SKUA/GBBG	12	207.78	43,170.87	90.41	0.01	0.002	0.001
Flamister	HU4154 - SKUA/GBBG	2	247.86	61,436.07	91.08	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
	HU4356 - SKUA/GBBG	2	252.68	63,848.19	90.86	0.01	<0.001	<0.001
	HU4357 - SKUA/GBBG	2	253.63	64,327.67	91.10	0.01	<0.001	<0.001
	HU4358 - SKUA/GBBG	4	266.90	71,234.01	91.15	0.01	<0.001	<0.001
	HU4457 - SKUA/GBBG	2	253.39	64,208.01	91.23	0.01	<0.001	<0.001
	HU4458 - SKUA/GBBG	4	266.20	70,860.84	91.24	0.01	<0.001	<0.001
	HU4459 - SKUA/GBBG	2	265.57	70,524.77	90.91	0.01	<0.001	<0.001
	HU4556 - SKUA/GBBG	2	256.17	65,624.09	91.24	0.01	<0.001	<0.001
	HU4558 - SKUA/GBBG	2	265.62	70,555.58	91.27	0.01	<0.001	<0.001
Flannan Isles SPA	East Group	14	336.64	113,325.82	87.79	0.01	0.001	<0.001
	South Group	6	336.61	113,306.29	87.96	0.01	<0.001	<0.001
	West Group	2	339.60	115,325.44	88.01	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
Flotta (West Hill)	West Hill 1	2	81.64	6,664.44	88.11	0.01	0.002	0.001
	West Hill 2	2	79.66	6,346.03	88.14	0.01	0.002	0.001
	West Hill 6	4	82.80	6,855.01	88.12	0.01	0.004	0.002
Girllsta	HU3852 - SKUA/GBBG	2	245.75	60,393.55	91.17	0.01	<0.001	<0.001
	HU3853 - SKUA/GBBG	2	246.30	60,664.18	91.02	0.01	<0.001	<0.001
	HU4153 - SKUA/GBBG	2	247.25	61,131.08	91.19	0.01	<0.001	<0.001
Gossa Water	HU4259 - SKUA/GBBG	2	266.83	71,199.32	91.45	0.01	<0.001	<0.001
	HU4260 - SKUA/GBBG	2	274.03	75,090.25	91.10	0.01	<0.001	<0.001
	HU4361 - SKUA/GBBG	2	273.15	74,610.92	91.23	0.01	<0.001	<0.001
Gremista	HU4544 - SKUA/GBBG	2	247.04	61,030.24	91.06	0.01	<0.001	<0.001
Gruinard Bay	Gruinard Island	4	266.80	71,181.17	87.94	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
Grunnafirth	HU4657 - SKUA/GBBG	2	255.58	65,321.14	91.21	0.01	<0.001	<0.001
	HU4758 - SKUA/GBBG	2	255.56	65,310.91	91.27	0.01	<0.001	<0.001
Hagmark Hill	HU3151 SKUA/GBBG	2	248.39	61,697.10	91.03	0.01	<0.001	<0.001
	HU3249 - SKUA/GBBG	2	241.36	58,256.58	90.83	0.01	<0.001	<0.001
Hascosay	Hascosay inland	38	290.61	84,451.85	92.24	0.01	0.003	0.001
Heisgeir	Heisgeir (Oigh-sgeir)	4	401.19	160,949.40	87.71	0.01	<0.001	<0.001
Helliar Holm	Helliar Holm 1	6	102.06	10,415.63	88.54	0.01	0.004	0.002
	Helliar Holm 3	2	101.85	10,373.22	88.52	0.01	0.001	0.001
Hill of Halsagarth	HU4688 - SKUA/GBBG	4	289.60	83,868.16	91.84	0.01	<0.001	<0.001
	HU4689 - SKUA/GBBG	4	291.53	84,990.32	91.87	0.01	<0.001	<0.001
	HU4788 - SKUA/GBBG	18	290.62	84,462.31	91.71	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
	HU4789 - SKUA/GBBG	10	290.91	84,630.96	91.95	0.01	0.001	<0.001
	HU4888 - SKUA/GBBG	10	291.62	85,044.56	91.94	0.01	0.001	<0.001
	HU4889 - SKUA/GBBG	10	308.28	95,037.79	91.96	0.01	0.001	<0.001
	HU4890 - SKUA/GBBG	4	307.28	94,421.61	91.81	0.01	<0.001	<0.001
	HU4988 - SKUA/GBBG	8	295.65	87,409.51	92.08	0.01	0.001	<0.001
	HU4989 - SKUA/GBBG	2	294.65	86,819.21	91.80	0.01	<0.001	<0.001
	HU4990 - SKUA/GBBG	4	307.42	94,508.90	91.96	0.01	<0.001	<0.001
Hill of Noub	HU4586 - SKUA/GBBG	6	286.64	82,162.49	92.02	0.01	0.001	<0.001
	HU4683 - SKUA/GBBG	2	284.65	81,026.19	91.83	0.01	<0.001	<0.001
	HU4684 - SKUA/GBBG	4	285.11	81,288.85	91.81	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
	HU4685 - SKUA/GBBG	2	286.21	81,916.74	91.84	0.01	<0.001	<0.001
	HU4783 - SKUA/GBBG	4	285.68	81,610.21	91.67	0.01	<0.001	<0.001
	HU4784 - SKUA/GBBG	6	285.95	81,765.69	91.70	0.01	0.001	<0.001
Holm, Deerness and Tankerness	Cornquoy 2	4	80.57	6,491.69	88.18	0.01	0.005	0.002
	Whitemoss	2	104.94	11,012.40	88.23	0.01	0.001	0.001
Hunda	Hunda	8	82.17	6,752.40	88.24	0.01	0.009	0.004
Inishtrahull Island SPA	Inishtrahull	4	576.74	332,631.33	86.40	0.01	<0.001	<0.001
Islay	Isay (Skye)	4	336.61	113,308.98	87.60	0.01	<0.001	<0.001
Islay- West (Port Askaig to Bruichladdich)	Ardnave RSPB	2	516.70	266,974.76	86.51	0.01	<0.001	<0.001
	Loch Gruinart RSPB	2	522.90	273,427.55	86.37	0.01	<0.001	<0.001
Isle of Eigg (Summer Isles)	Eigg	2	402.66	162,135.08	87.71	0.01	<0.001	<0.001
Kettla Ness	HU3529 - SKUA/GBBG	4	221.13	48,899.80	90.78	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
	HU3728 - SKUA/GBBG	2	220.51	48,625.10	90.77	0.01	<0.001	<0.001
	HU3729 - SKUA/GBBG	2	221.51	49,067.12	90.77	0.01	<0.001	<0.001
	HU3730 - SKUA/GBBG	2	222.59	49,545.42	90.82	0.01	<0.001	<0.001
Killegray - Harris	Killegray	2	339.70	115,398.81	87.96	0.01	<0.001	<0.001
Kussa Waters	HP5002 - SKUA/GBBG	6	311.07	96,767.03	92.16	0.01	<0.001	<0.001
	HP5202 - SKUA/GBBG	2	311.79	97,212.38	92.36	0.01	<0.001	<0.001
Kyleakin to Portree	Pabay	2	342.04	116,992.05	87.51	0.01	<0.001	<0.001
Lewis SKUA/GBBG squares	NB4339 - SKUA/GBBG	2	271.16	73,526.12	87.80	0.01	<0.001	<0.001
	NB4944 - SKUA/GBBG	2	265.22	70,342.71	87.76	0.01	<0.001	<0.001
	NB5029 - SKUA/GBBG	6	266.13	70,822.52	88.15	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
	NB5030 - SKUA/GBBG	2	259.32	67,246.86	88.11	0.01	<0.001	<0.001
	NB5130 - SKUA/GBBG	2	265.14	70,299.22	88.15	0.01	<0.001	<0.001
	NB5259 - SKUA/GBBG	2	253.92	64,472.83	87.45	0.01	<0.001	<0.001
	NB5332 - SKUA/GBBG	2	262.29	68,793.42	88.08	0.01	<0.001	<0.001
	NB5336 - SKUA/GBBG	2	259.89	67,540.73	88.13	0.01	<0.001	<0.001
	NB5432 - SKUA/GBBG	12	261.12	68,181.04	88.15	0.01	0.001	0.001
	NB5433 - SKUA/GBBG	2	261.99	68,639.28	88.00	0.01	<0.001	<0.001
	NB5434 - SKUA/GBBG	2	259.91	67,554.25	88.08	0.01	<0.001	<0.001
	NB5532 - SKUA/GBBG	6	260.24	67,724.34	88.14	0.01	0.001	<0.001
	NB5655 - SKUA/GBBG	2	250.76	62,880.08	88.06	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
Loch Gairloch	Longa Island	12	290.60	84,448.94	87.81	0.01	0.001	<0.001
Loch Laxford	Eilean a' Mhadaidh	2	205.01	42,029.51	87.60	0.01	<0.001	<0.001
	Eilean Ard	1	204.14	41,672.73	87.61	0.01	<0.001	<0.001
Loch of Vaara (Twatt)	HU3154 - SKUA/GBBG	8	248.40	61,700.08	91.20	0.01	0.001	<0.001
	HU3158 - SKUA/GBBG	1	260.39	67,801.39	91.38	0.01	<0.001	<0.001
	HU3259 - SKUA/GBBG	2	263.05	69,195.30	91.37	0.01	<0.001	<0.001
	Loch of Vaara	4	261.64	68,453.40	91.12	0.01	<0.001	<0.001
Marrofield	HU3859 - SKUA/GBBG	4	268.72	72,211.51	91.18	0.01	<0.001	<0.001
	HU3959 - SKUA/GBBG	2	269.65	72,711.66	91.02	0.01	<0.001	<0.001
Melvich to Duncansby Stacks SSSI	Dunnet Head (skuas)	2	88.85	7,895.03	87.77	0.01	0.002	0.001
Midi Field	HU3724 - SKUA/GBBG	2	216.94	47,062.53	90.65	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
	HU3824 - SKUA/GBBG	4	218.26	47,638.74	90.59	0.01	0.001	<0.001
	HU3825 - SKUA/GBBG	22	218.68	47,821.38	90.67	0.01	0.003	0.002
	HU3826 - SKUA/GBBG	28	218.93	47,929.91	90.71	0.01	0.004	0.002
	HU3827 - SKUA/GBBG	2	219.75	48,288.30	90.75	0.01	<0.001	<0.001
	HU3923 - SKUA/GBBG	10	218.75	47,850.69	90.57	0.01	0.002	0.001
Mingulay and Berneray SPA	Berneray	34	437.44	191,357.25	85.05	0.01	0.001	0.001
	Mingulay	88	218.98	47,953.99	90.71	0.01	0.013	0.006
Mousa SPA	Mousa RSPB	25	133.86	17,919.30	88.99	0.01	0.010	0.005
Muck	Eagamol	2	410.52	168,525.85	87.81	0.01	<0.001	<0.001
	Eilean nan Each	2	410.10	168,181.19	87.76	0.01	<0.001	<0.001
Muskna	HU390310 - SKUA/GBBG	4	224.24	50,282.23	90.83	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
	HU390320 - SKUA/GBBG	2	224.96	50,607.00	90.86	0.01	<0.001	<0.001
	HU400310 - SKUA/GBBG	4	225.82	50,995.12	90.70	0.01	0.001	<0.001
	HU400320 - SKUA/GBBG	10	226.14	51,141.11	90.76	0.01	0.001	0.001
	HU400330 - SKUA/GBBG	8	226.68	51,383.37	90.82	0.01	0.001	0.001
	HU410310 - SKUA/GBBG	2	226.77	51,423.27	90.78	0.01	<0.001	<0.001
	HU430330 - SKUA/GBBG	3	229.12	52,495.97	90.76	0.01	<0.001	<0.001
Nesbister	HU4042 - SKUA/GBBG	4	236.80	56,072.35	90.96	0.01	0.001	<0.001
North Colonsay and Western Cliffs SPA	Balnahard 3	2	493.53	243,570.87	83.26	0.01	<0.001	<0.001
	Uragaig Cliffs	2	493.86	243,897.70	83.26	0.01	<0.001	<0.001
North Mainland 1- The Ness to The Rigg	HU 3090 - SKUA/GBBG	2	282.12	79,590.00	92.06	0.01	<0.001	<0.001
	HU 3291 - SKUA/GBBG	6	284.61	81,001.71	92.05	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
	HU 3390 - SKUA/GBBG	4	286.01	81,798.86	91.98	0.01	<0.001	<0.001
	HU 3391 - SKUA/GBBG	8	285.72	81,636.49	92.04	0.01	0.001	<0.001
	HU 3490 - SKUA/GBBG	6	289.99	84,091.88	92.03	0.01	0.001	<0.001
	HU 3491 - SKUA/GBBG	2	288.99	83,512.33	91.99	0.01	<0.001	<0.001
North Mainland 10 - Mangaster to Pinchdyke	HU 3269 - SKUA/GBBG	2	264.04	69,719.23	91.57	0.01	<0.001	<0.001
North Mainland 11 - Vidlin Voe to Lunning Sound	HU5064 - SKUA/GBBG	4	260.66	67,943.64	91.47	0.01	<0.001	<0.001
North Mainland 13 - Hamna Voe to Sand Voe	Eshaness (skuas)	2	272.16	74,069.43	91.78	0.01	<0.001	<0.001
	HU2278 - SKUA/GBBG	2	266.60	71,076.09	91.68	0.01	<0.001	<0.001
	HU2577 - SKUA/GBBG	10	266.51	71,028.11	91.74	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
	HU2578 - SKUA/GBBG	2	267.49	71,549.30	91.76	0.01	<0.001	<0.001
	HU2579 - SKUA/GBBG	6	268.54	72,114.27	91.71	0.01	<0.001	<0.001
	HU2679 - SKUA/GBBG	2	268.83	72,270.11	91.64	0.01	<0.001	<0.001
	HU2680 - SKUA/GBBG	4	269.87	72,828.20	91.69	0.01	<0.001	<0.001
North Mainland 16 - The Skiurds to Roonie	HU3179 - SKUA/GBBG	2	271.68	73,810.57	91.64	0.01	<0.001	<0.001
	HU3281 - SKUA/GBBG	2	285.06	81,261.48	91.87	0.01	<0.001	<0.001
North Mainland 17 - Whalwick Taing to Point of Quida Stac	Gluss Water	10	273.27	74,676.49	91.67	0.01	0.001	<0.001
	HU2482 - SKUA/GBBG	4	272.18	74,082.50	91.84	0.01	<0.001	<0.001
	HU2483 - SKUA/GBBG	2	272.81	74,424.75	91.85	0.01	<0.001	<0.001
	HU2485 - SKUA/GBBG	12	274.23	75,202.64	91.94	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
	HU2582 - SKUA/GBBG	2	273.41	74,754.12	91.67	0.01	<0.001	<0.001
	HU2583 - SKUA/GBBG	4	273.56	74,835.07	91.86	0.01	<0.001	<0.001
	HU2681 - SKUA/GBBG	56	274.18	75,175.22	91.81	0.01	0.005	0.002
North Mainland 18 - Ladie Hill to Clubb of Mulla	HU 3868 - SKUA/GBBG	2	297.69	88,616.95	91.53	0.01	<0.001	<0.001
	HU 3965 - SKUA/GBBG	2	268.72	72,208.83	91.48	0.01	<0.001	<0.001
	HU 3966 - SKUA/GBBG	2	269.35	72,551.04	91.33	0.01	<0.001	<0.001
	HU 3968 - SKUA/GBBG	2	286.68	82,187.14	91.16	0.01	<0.001	<0.001
North Mainland 19 - Ness of Hillswick	Hillswick	2	268.45	72,064.87	91.71	0.01	<0.001	<0.001
	HU2775 - SKUA/GBBG	2	265.24	70,353.85	91.70	0.01	<0.001	<0.001
	HU2974 - SKUA/GBBG	2	265.61	70,546.55	91.68	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
North Mainland 21 - Hamar Voe to Mangaster Voe	HU2975 - SKUA/GBBG	2	266.43	70,983.88	91.70	0.01	<0.001	<0.001
	HU2976 - SKUA/GBBG	2	267.25	71,422.56	91.73	0.01	<0.001	<0.001
	HU3071 - SKUA/GBBG	2	263.79	69,585.69	91.61	0.01	<0.001	<0.001
	HU3072 - SKUA/GBBG	6	264.60	70,010.51	91.63	0.01	0.001	<0.001
	HU3074 - SKUA/GBBG	0	266.20	70,861.38	91.68	0.01	<0.001	<0.001
	HU3076 - SKUA/GBBG	0	268.01	71,827.22	91.73	0.01	<0.001	<0.001
	HU3170 - SKUA/GBBG	6	263.81	69,597.83	91.59	0.01	0.001	<0.001
	HU3171 - SKUA/GBBG	6	264.52	69,968.71	91.56	0.01	0.001	<0.001
	HU2974 - SKUA/GBBG	2	265.61	70,546.55	91.68	0.01	<0.001	<0.001
	HU 3064 - SKUA/GBBG	10	259.57	67,377.62	91.51	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 3163 - SKUA/GBBG	4	260.70	67,965.01	91.50	0.01	<0.001	<0.001
	HU 3165 - SKUA/GBBG	2	262.07	68,681.73	91.42	0.01	<0.001	<0.001
	HU 3166 - SKUA/GBBG	4	261.89	68,585.85	91.37	0.01	<0.001	<0.001
North Mainland 23 - Septa Field to White Grunafirth	HU2780 - SKUA/GBBG	2	270.25	73,034.52	91.81	0.01	<0.001	<0.001
	HU2781 - SKUA/GBBG	18	282.12	79,593.39	91.67	0.01	0.002	0.001
	HU2782 - SKUA/GBBG	4	280.83	78,867.17	91.79	0.01	<0.001	<0.001
North Mainland 24 - Paidland Vird to Stourl	HU 2986 - SKUA/GBBG	14	279.51	78,126.96	91.98	0.01	0.001	0.001
	HU 3784 - SKUA/GBBG	2	289.53	83,825.88	91.96	0.01	<0.001	<0.001
	HU 3786 - SKUA/GBBG	2	290.86	84,600.12	91.88	0.01	<0.001	<0.001
	HU 3787 - SKUA/GBBG	2	291.42	84,924.45	91.91	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
	HU 3789 SKUA/GBBG	2	292.70	85,671.53	92.07	0.01	<0.001	<0.001
North Mainland 25 - Voe to Logie Hill	HU4164 - SKUA/GBBG	6	271.10	73,493.04	91.32	0.01	0.001	<0.001
	HU4263 - SKUA/GBBG	2	271.94	73,952.45	91.14	0.01	<0.001	<0.001
	HU4265 - SKUA/GBBG	2	272.33	74,162.54	91.31	0.01	<0.001	<0.001
	HU4364 - SKUA/GBBG	2	265.49	70,487.06	91.11	0.01	<0.001	<0.001
North Mainland 26 - Eela Water to Gluss Voe	Eela Water	2	292.60	85,615.93	91.74	0.01	<0.001	<0.001
North Mainland 4 - Hevdadale to Cairn	HU 3188 - SKUA/GBBG	10	282.05	79,552.20	92.01	0.01	0.001	<0.001
North Mainland 5 - Whal Horn to Ronas Hill	HU 2883 - SKUA/GBBG	34	280.12	78,468.90	91.90	0.01	0.003	0.001
	Fethaland	14	290.77	84,549.52	92.06	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 6 - Fethaland to Burravoe	HU 3592 - SKUA/GBBG	2	288.61	83,298.04	92.13	0.01	<0.001	<0.001
	HU 3692 - SKUA/GBBG	2	289.61	83,876.27	92.14	0.01	<0.001	<0.001
	HU 3693 - SKUA/GBBG	8	289.52	83,821.83	92.13	0.01	0.001	<0.001
	HU 3793 - SKUA/GBBG	8	291.43	84,930.28	92.07	0.01	0.001	<0.001
	HU 3794 - SKUA/GBBG	2	290.76	84,539.05	92.20	0.01	<0.001	<0.001
North Mainland 7 - Ay Wick to Firth	HU 4274 - SKUA/GBBG	4	292.83	85,750.58	91.64	0.01	<0.001	<0.001
	HU 4275 - SKUA/GBBG	4	282.37	79,735.08	91.68	0.01	<0.001	<0.001
North Mainland 8 - Croolar to Mucklamoor	HU 4664 - SKUA/GBBG	2	263.11	69,227.92	91.40	0.01	<0.001	<0.001
	HU 4768 - SKUA/GBBG	2	281.32	79,138.69	91.58	0.01	<0.001	<0.001
	HU 4969 - SKUA/GBBG	2	266.59	71,072.36	91.63	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 9 - Millburn to Quhamm	HU 4068 - SKUA/GBBG	2	285.75	81,655.35	91.38	0.01	<0.001	<0.001
	HU 4069 - SKUA/GBBG	2	285.30	81,398.37	91.44	0.01	<0.001	<0.001
	HU 4070 - SKUA/GBBG	2	285.64	81,587.92	91.36	0.01	<0.001	<0.001
	HU 4071 - SKUA/GBBG	2	285.64	81,587.92	91.57	0.01	<0.001	<0.001
	HU 4170 - SKUA/GBBG	2	284.16	80,748.04	91.53	0.01	<0.001	<0.001
	HU 4267 - SKUA/GBBG	2	286.59	82,130.96	91.32	0.01	<0.001	<0.001
	HU 4270 - SKUA/GBBG	2	282.90	80,033.54	91.64	0.01	<0.001	<0.001
	HU 4271 - SKUA/GBBG	2	282.81	79,979.80	91.55	0.01	<0.001	<0.001
	HU 4272 - SKUA/GBBG	2	283.47	80,356.94	91.62	0.01	<0.001	<0.001
	HU 4371 - SKUA/GBBG	2	281.67	79,335.17	91.66	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 Rona and Sula Sgeir SPA	North Rona	20	234.54	55,010.42	89.05	0.01	0.003	0.001
North Ronaldsay	Gue	4	132.76	17,624.69	89.20	0.01	0.002	0.001
North Sutherland Islands	Eilean nan Ron whole island	114	140.27	19,676.51	87.75	0.01	0.043	0.020
	Neave Island ₁	4	137.80	18,987.74	87.77	0.01	0.002	0.001
North Uist	Hermetray	4	341.05	116,311.69	87.88	0.01	<0.001	<0.001
Oronsay	Oronsay RSPB	10	507.59	257,643.55	82.66	0.01	<0.001	<0.001
Otterswick	HU4686 - SKUA/GBBG	16	287.64	82,736.77	91.85	0.01	0.001	0.001
	HU4687 - SKUA/GBBG	2	288.78	83,395.04	91.88	0.01	<0.001	<0.001
	HU4785 - SKUA/GBBG	8	288.64	83,313.63	91.71	0.01	0.001	<0.001
	HU4786 - SKUA/GBBG	4	288.74	83,371.37	91.70	0.01	<0.001	<0.001
	HU4787 - SKUA/GBBG	2	289.76	83,960.28	91.66	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
	HU4885 - SKUA/GBBG	6	287.41	82,605.66	91.93	0.01	0.001	<0.001
	HU4886 - SKUA/GBBG	10	289.74	83,949.85	91.90	0.01	0.001	<0.001
	HU4887 - SKUA/GBBG	8	290.76	84,540.80	91.92	0.01	0.001	<0.001
	HU4985 - SKUA/GBBG	2	285.87	81,721.09	91.90	0.01	<0.001	<0.001
	HU4986 - SKUA/GBBG	6	286.31	81,973.99	91.92	0.01	0.001	<0.001
	HU4987 - SKUA/GBBG	8	286.55	82,109.76	92.06	0.01	0.001	<0.001
	HU5085 - SKUA/GBBG	4	284.87	81,150.35	91.57	0.01	<0.001	<0.001
	HU5086 - SKUA/GBBG	8	285.31	81,402.37	91.53	0.01	0.001	<0.001
Papa Stour SPA	Little Virda Field	18	249.16	62,081.20	91.43	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
	Papa Stour Whole Island	180	248.44	61,721.94	91.42	0.01	0.021	0.010
Papa Westray (North Hill and Holm) SPA	Holm Of Papa Westray	6	133.74	17,885.05	89.21	0.01	0.002	0.001
	North Hill RSPB, Papa Westray	40	138.08	19,064.71	89.08	0.01	0.015	0.007
Pentland Firth Islands SPA	Swona	8	69.86	4,880.14	88.03	0.01	0.012	0.005
Priest Island SPA	Priest Island RSPB	8	258.79	66,973.30	87.97	0.01	0.001	<0.001
Quarff	HU4035 SKUA/GBBG	2	228.37	52,154.68	90.95	0.01	<0.001	<0.001
	HU4135 - SKUA/GBBG	2	229.44	52,642.25	90.81	0.01	<0.001	<0.001
	HU4136 - SKUA/GBBG	1	230.33	53,053.75	90.88	0.01	<0.001	<0.001
Quilse	HU3047 - SKUA/GBBG	2	241.15	58,155.25	90.95	0.01	<0.001	<0.001
	HU3146 - SKUA/GBBG	2	237.07	56,203.61	90.81	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
Raasay	Eilean Tigh	4	317.02	100,502.95	87.57	0.01	<0.001	<0.001
Rathlin Island SPA	Rathlin Island	4	587.46	345,108.08	82.80	0.01	<0.001	<0.001
Rathlin O'Birne Island	Rathlin O'Birne Island - Whole	2	681.92	465,009.43	87.78	0.01	<0.001	<0.001
Rousay - Central	Knowes of Whirliegar 2	4	122.76	15,069.53	88.69	0.01	0.002	0.001
	Suso Burn near Breval 1	2	118.37	14,011.46	88.65	0.01	0.001	<0.001
Rousay - South East	Trumland RSPB	2	118.35	14,006.25	88.63	0.01	0.001	<0.001
Rubha Hunish	Eilean Trodday	8	304.32	92,612.49	87.81	0.01	0.001	<0.001
	Fladda Chuain to Gearran Island	4	307.93	94,822.73	87.84	0.01	<0.001	<0.001
	The Aird - Rubha Hunish	2	306.98	94,236.11	87.84	0.01	<0.001	<0.001
Rubha Reidh Peninsula	Peterburn - South of Port Erradale	2	286.27	81,950.51	87.83	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
Rum SPA	Rum	2	405.76	164,642.80	87.88	0.01	<0.001	<0.001
Rysa Little and Cava	Cava	6	87.77	7,703.22	88.28	0.01	0.006	0.003
Sanday - Cata Sand	Plain of Fidge 1	2	134.55	18,103.97	88.95	0.01	0.001	<0.001
Sanday - Kettletoft to Tresness	The Crook	1	115.54	13,349.72	88.99	0.01	0.001	<0.001
Sanday - Spurness	Spurness 6	2	116.29	13,522.43	88.84	0.01	0.001	<0.001
Sandness	HU1753 - SKUA/GBBG	4	240.80	57,982.23	91.27	0.01	<0.001	<0.001
	HU1756 - SKUA/GBBG	2	243.73	59,404.80	91.29	0.01	<0.001	<0.001
	HU1855 - SKUA/GBBG	4	243.12	59,106.85	91.26	0.01	<0.001	<0.001
	HU1856 - SKUA/GBBG	2	243.73	59,405.29	91.17	0.01	<0.001	<0.001
	HU1857 SKUA/GBBG	3	246.82	60,917.64	91.28	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
	HU1955 - SKUA/GBBG	4	244.12	59,594.57	91.03	0.01	<0.001	<0.001
	HU2157 SKUA/GBBG	1	250.85	62,927.23	91.30	0.01	<0.001	<0.001
	HU2257 SKUA/GBBG	1	252.17	63,587.69	91.28	0.01	<0.001	<0.001
Sandwick	HU440210 - SKUA/GBBG	22	215.28	46,345.91	90.63	0.01	0.003	0.002
	HU440220 - SKUA/GBBG	2	216.28	46,777.90	90.65	0.01	<0.001	<0.001
Scalla Field	HU3956 - SKUA/GBBG	2	270.22	73,018.31	91.00	0.01	<0.001	<0.001
	HU4258 - SKUA/GBBG	2	254.92	64,983.70	91.44	0.01	<0.001	<0.001
Scaravay - Harris	Scaravay	2	283.74	80,505.55	87.47	0.01	<0.001	<0.001
Shiant Isles SPA	Eilean an Taighe	6	291.22	84,808.51	87.97	0.01	0.001	<0.001
	Eilean Mhuire	6	289.45	83,783.04	87.98	0.01	0.001	<0.001
	Garbh Eilean	12	290.97	84,662.38	87.98	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
Simli Field	HU1951 - SKUA/GBBG	2	238.97	57,107.62	91.06	0.01	<0.001	<0.001
SKUA/GBBGU - Burray	ND4596	2	80.69	6,511.52	88.21	0.01	0.002	0.001
SKUA/GBBGU - Central Mainland	HY3504	4	89.19	7,954.68	88.27	0.01	0.004	0.002
	HY3709	4	93.84	8,805.19	87.72	0.01	0.003	0.002
	HY4106	6	90.24	8,143.98	88.39	0.01	0.005	0.003
SKUA/GBBGU - East Mainland	HY5003	2	85.08	7,237.93	87.94	0.01	0.002	0.001
	HY5004 - SKUA/GBBG	2	101.33	10,268.17	88.10	0.01	0.001	0.001
	HY5301	2	82.22	6,759.96	88.20	0.01	0.002	0.001
SKUA/GBBGU - Eday & Faray	HY5239	2	120.45	14,508.68	89.00	0.01	0.001	<0.001
SKUA/GBBGU - Flotta, Fara, Switha & Cava	ND3492 - SKUA/GBBG	6	78.89	6,223.32	88.15	0.01	0.007	0.003
	ND3493	10	79.77	6,363.09	88.17	0.01	0.012	0.005
	ND3494	6	81.02	6,563.75	88.14	0.01	0.007	0.003

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
	ND3592 - SKUA/GBBG	2	78.30	6,130.11	88.17	0.01	0.002	0.001
	ND3593	2	79.27	6,283.42	88.08	0.01	0.002	0.001
	ND3594	2	83.00	6,889.17	88.15	0.01	0.002	0.001
	ND3695 - SKUA/GBBG	12	80.96	6,554.52	88.19	0.01	0.014	0.006
	ND3795	4	79.98	6,396.32	88.23	0.01	0.005	0.002
	ND3896	2	80.40	6,464.16	88.21	0.01	0.002	0.001
SKUA/GBBGU - Gairsay	HY4422	12	110.45	12,199.20	88.56	0.01	0.007	0.003
	HY4521	8	109.21	11,927.70	88.63	0.01	0.005	0.002
SKUA/GBBGU - Rousay	HY3732	8	125.45	15,736.95	88.71	0.01	0.004	0.002
	HY3733	10	125.14	15,660.27	88.77	0.01	0.005	0.002
	HY3831	10	122.66	15,044.49	88.56	0.01	0.005	0.002
	HY3832	2	126.24	15,936.79	88.65	0.01	0.001	<0.001
	HY3833	18	126.71	16,055.93	88.66	0.01	0.008	0.004
	HY3834	2	127.01	16,131.29	88.74	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
	HY3928	4	118.27	13,987.79	88.68	0.01	0.002	0.001
	HY3929	10	120.45	14,508.44	88.58	0.01	0.005	0.002
	HY4031	8	124.41	15,476.85	88.44	0.01	0.004	0.002
	HY4332	4	121.43	14,746.22	88.68	0.01	0.002	0.001
	HY4433	6	120.27	14,464.39	88.79	0.01	0.003	0.001
SKUA/GBBGU - Shapinsay	Shapinsay (skuas whole island)	16	110.28	12,161.02	88.38	0.01	0.010	0.004
SKUA/GBBGU - South Ronaldsay	ND4285	4	68.50	4,692.80	88.04	0.01	0.006	0.003
	ND4683	8	65.66	4,310.97	88.16	0.01	0.014	0.006
	ND4685 - SKUA/GBBG	2	68.50	4,692.25	87.96	0.01	0.003	0.001
	ND4688	10	70.93	5,031.21	88.09	0.01	0.015	0.007
SKUA/GBBGU - Stronsay & Aukerry	HY6227	8	106.92	11,432.53	88.81	0.01	0.005	0.002
	HY6230	2	110.26	12,156.17	88.85	0.01	0.001	0.001
	HY6716	2	94.25	8,883.63	88.48	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
SKUA/GBBGU - Sule Skerry	HX6224	30	154.28	23,802.01	88.83	0.01	0.009	0.004
SKUA/GBBGU - West Mainland	HY2114	2	105.46	11,121.81	88.51	0.01	0.001	0.001
	HY2211	6	102.45	10,495.18	88.43	0.01	0.004	0.002
	HY2212	8	103.49	10,711.01	88.37	0.01	0.006	0.003
	HY2213	16	104.44	10,908.13	88.33	0.01	0.011	0.005
	HY2214	6	105.77	11,187.72	88.37	0.01	0.004	0.002
	HY2313	2	105.39	11,106.84	88.32	0.01	0.001	0.001
	HY2618	2	114.59	13,130.41	87.91	0.01	0.001	0.001
	HY2921	2	117.76	13,867.65	88.16	0.01	0.001	<0.001
	HY3129	2	125.95	15,860.63	88.68	0.01	0.001	<0.001
	HY3414	2	116.51	13,575.51	87.89	0.01	0.001	0.001
	HY3516	2	115.64	13,372.38	87.93	0.01	0.001	0.001
	HY3519	2	116.22	13,507.55	87.69	0.01	0.001	0.001
	HY3949 - SKUA/GBBG	4	134.30	18,036.49	89.14	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
SKUA/GBBGU - Westray & Papa Westray	HY4048 - SKUA/GBBG	14	133.04	17,699.38	89.13	0.01	0.006	0.003
	HY4244	20	128.45	16,499.92	88.93	0.01	0.009	0.004
	HY4245	4	129.68	16,817.68	89.11	0.01	0.002	0.001
	HY4246	32	130.86	17,123.03	88.95	0.01	0.014	0.006
	HY4451	6	139.48	19,454.67	89.18	0.01	0.002	0.001
Smoo to Melvich	Eilean Choraiddh	2	167.47	28,047.21	87.69	0.01	0.001	<0.001
Sound of Barra	Fiaray	2	409.34	167,558.42	87.15	0.01	<0.001	<0.001
Sound of Pabbay	Grianamul	2	426.86	182,206.90	87.41	0.01	<0.001	<0.001
	Pabbay	12	430.79	185,581.75	87.40	0.01	<0.001	<0.001
	Rosinish	14	428.78	183,848.00	85.08	0.01	0.001	<0.001
South Ronaldsay (East)	Grimness 1	2	74.93	5,614.50	88.20	0.01	0.003	0.001
	South Cara 2	2	75.48	5,697.23	88.00	0.01	0.003	0.001
	South Cara 3	2	75.33	5,674.16	87.99	0.01	0.003	0.001
	Wardhill 1	2	71.21	5,071.29	88.08	0.01	0.003	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
South Uist	Gasay	2	66.20	4,382.44	87.99	0.01	0.003	0.002
South West Iona & Soa	Soa	2	471.64	222,444.29	87.29	0.01	<0.001	<0.001
Spiggie	HU3517 - SKUA/GBBG	4	209.08	43,714.86	90.52	0.01	0.001	<0.001
	HU3617 - SKUA/GBBG	8	209.87	44,045.42	90.46	0.01	0.001	0.001
Stac Mhic Mhurchaidh, Reidh Eilean, Eilean Annraidh, Eilean Chalba	Stac Mhic Mhurchaidh	2	464.81	216,050.20	87.47	0.01	<0.001	<0.001
Staffa	Staffa	2	453.15	205,348.55	87.63	0.01	<0.001	<0.001
Staffin	Staffin Island - East side only	28	309.32	95,678.24	87.73	0.01	0.002	0.001
Stoer Headland	Rubha Stoer	2	233.48	54,512.91	87.44	0.01	<0.001	<0.001
Stourbrough Hill	HU2051 - SKUA/GBBG	1	239.19	57,211.86	90.96	0.01	<0.001	<0.001
	HU2052 - SKUA/GBBG	2	240.17	57,680.19	91.00	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
	HU2152 - SKUA/GBBG	7	240.50	57,841.69	90.97	0.01	0.001	<0.001
Stroma	Stroma Island	22	66.26	4,389.99	88.04	0.01	0.037	0.017
Stronsay	Burgh Head 1	2	100.54	10,107.49	88.66	0.01	0.001	0.001
	Rothiesholm Head (ground-nesters)	12	103.52	10,715.56	88.62	0.01	0.008	0.004
Sumburgh	HU400110 - SKUA/GBBG	6	205.70	42,311.26	90.39	0.01	0.001	<0.001
Summer Isles	Eilean Mullagrach	10	249.12	62,062.77	88.00	0.01	0.001	0.001
	Glas-Leac Mor	2	251.42	63,211.51	87.98	0.01	<0.001	<0.001
	Horse Island	2	278.09	77,335.72	86.09	0.01	<0.001	<0.001
	Isle Ristol	2	249.00	62,001.00	87.99	0.01	<0.001	<0.001
Swanbister - Scapa Bay, West Mainland	Hobbister RSPB (Inland)	12	90.82	8,247.36	88.21	0.01	0.011	0.005
Tiree	Ceann a Mhara	2	460.72	212,259.23	87.86	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
	Ringing Stone	2	442.96	196,214.45	87.84	0.01	<0.001	<0.001
Tolsta Head Moir - Lewis	NB5446 - SKUA/GBBG	2	254.78	64,914.89	87.91	0.01	<0.001	<0.001
	NB5546 - SKUA/GBBG	4	253.78	64,406.32	87.91	0.01	<0.001	<0.001
	NB5547 - SKUA/GBBG	32	253.55	64,286.59	87.93	0.01	0.004	0.002
	NB5647 - SKUA/GBBG	6	252.55	63,780.49	87.92	0.01	0.001	<0.001
Tonga Field	HP4800 - SKUA/GBBG	2	302.48	91,493.55	92.32	0.01	<0.001	<0.001
	HP4801 - SKUA/GBBG	14	303.48	92,098.90	92.36	0.01	0.001	<0.001
	HP4900 - SKUA/GBBG	14	303.48	92,099.50	92.17	0.01	0.001	<0.001
	HP4901 - SKUA/GBBG	24	304.67	92,825.64	92.19	0.01	0.002	0.001
	HP5000 - SKUA/GBBG	8	298.45	89,071.21	92.22	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
	HP5001 - SKUA/GBBG	6	312.07	97,390.18	92.36	0.01	<0.001	<0.001
	HU4799 - SKUA/GBBG	2	300.69	90,413.87	92.37	0.01	<0.001	<0.001
	HU4899 - SKUA/GBBG	4	301.82	91,095.92	92.27	0.01	<0.001	<0.001
	HU4999 - SKUA/GBBG	22	302.80	91,689.66	92.32	0.01	0.002	0.001
	HU5099 - SKUA/GBBG	10	297.94	88,768.24	92.12	0.01	0.001	<0.001
Tory Island and Bloody Foreland	Tory Island	6	607.90	369,543.63	86.91	0.01	<0.001	<0.001
Treshnish Isles SPA	Bac Mor	6	452.89	205,106.63	87.72	0.01	<0.001	<0.001
Unst - Clibberswick	HP6512 - SKUA/GBBG	2	312.48	97,645.63	92.75	0.01	<0.001	<0.001
	HP6612 - SKUA/GBBG	2	312.57	97,697.50	92.74	0.01	<0.001	<0.001
Unst - Crussa Field	HP6010 - SKUA/GBBG	2	310.64	96,498.45	92.61	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
	HP6011 - SKUA/GBBG	4	311.20	96,846.06	92.35	0.01	<0.001	<0.001
	HP6012 - SKUA/GBBG	96	312.05	97,374.58	92.64	0.01	0.007	0.003
	HP6112 - SKUA/GBBG	2	326.03	106,294.26	92.68	0.01	<0.001	<0.001
	HP6210 - SKUA/GBBG	2	312.59	97,712.51	92.46	0.01	<0.001	<0.001
Unst - Hill of Colvadale	HP 6106 - SKUA/GBBG	36	307.22	94,383.51	92.42	0.01	0.003	0.001
Unst - Lund	HP 5603 - SKUA/GBBG	10	300.76	90,457.18	92.51	0.01	0.001	<0.001
Unst – Skaw	HP 628144 - SKUA/GBBG	46	324.03	104,993.50	92.68	0.01	0.003	0.001
	HP 658162 - SKUA/GBBG	62	318.11	101,192.06	92.84	0.01	0.004	0.002
Unst - Vallafield	HP 590113 - SKUA/GBBG	16	310.25	96,253.82	92.55	0.01	0.001	0.001
	HP 595132 - SKUA/GBBG	44	314.16	98,697.13	92.70	0.01	0.003	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
	HP5813 SKUA/GBBG	54	311.88	97,271.01	92.71	0.01	0.004	0.002
Unst - Saxavord	HP 632169 - SKUA/GBBG	40	321.15	103,135.40	92.85	0.01	0.003	0.001
	HP 634163 - SKUA/GBBG	88	321.45	103,332.03	92.82	0.01	0.006	0.003
	HP 634166 - SKUA/GBBG	408	321.19	103,162.37	92.84	0.01	0.028	0.013
	HP 640165 - SKUA/GBBG	66	320.59	102,780.51	92.78	0.01	0.005	0.002
	HP6215 - SKUA/GBBG	28	322.93	104,285.08	92.83	0.01	0.002	0.001
	HP6216 - SKUA/GBBG	26	321.93	103,640.21	92.85	0.01	0.002	0.001
	HP6217 - SKUA/GBBG	6	320.93	102,997.35	92.87	0.01	<0.001	<0.001
	HP6315 - SKUA/GBBG	58	323.29	104,518.36	92.69	0.01	0.004	0.002
	HP6317 - SKUA/GBBG	42	321.70	103,489.60	92.85	0.01	0.003	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
	HP6415 - SKUA/GBBG	46	317.02	100,498.51	92.60	0.01	0.003	0.001
	HP6515- SKUA/GBBG	48	316.09	99,910.36	92.80	0.01	0.003	0.002
Vigon	HP4702 - SKUA/GBBG	2	303.33	92,006.66	92.44	0.01	<0.001	<0.001
	HP4802 - SKUA/GBBG	14	303.95	92,384.99	92.38	0.01	0.001	<0.001
	HP4803 - SKUA/GBBG	18	305.10	93,083.57	92.39	0.01	0.001	0.001
	HP4804 - SKUA/GBBG	10	305.59	93,384.03	92.47	0.01	0.001	<0.001
	HP4902 - SKUA/GBBG	42	304.72	92,854.28	92.37	0.01	0.003	0.001
	HP4903 - SKUA/GBBG	6	310.84	96,623.99	92.43	0.01	<0.001	<0.001
	HP4904 - SKUA/GBBG	10	309.56	95,824.92	92.49	0.01	0.001	<0.001
	HP4905 - SKUA/GBBG	2	307.78	94,725.45	92.48	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
Walls to Dales	Burrier Head to Dale Beach	4	239.44	57,331.99	91.26	0.01	0.001	<0.001
	Treawick to Burrier Head	4	238.51	56,884.64	91.24	0.01	0.001	<0.001
Ward of Culswick	HU2545 - SKUA/GBBG	2	234.42	54,950.39	91.13	0.01	<0.001	<0.001
	HU2546 - SKUA/GBBG	2	235.42	55,420.22	91.15	0.01	<0.001	<0.001
	HU2646 - SKUA/GBBG	4	236.53	55,948.33	91.05	0.01	0.001	<0.001
	HU2743 - SKUA/GBBG	2	233.01	54,293.66	91.09	0.01	<0.001	<0.001
	Ward of Culswick	4	237.25	56,285.66	91.13	0.01	0.001	<0.001
Ward of Grimsetter	HP5200 - SKUA/GBBG	18	298.21	88,929.80	92.02	0.01	0.001	0.001
	HP5201 - SKUA/GBBG	2	299.16	89,495.51	92.36	0.01	<0.001	<0.001
	HP5300 - SKUA/GBBG	20	300.17	90,100.83	92.34	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
	HP5301 - SKUA/GBBG	4	301.15	90,691.92	92.2	0.01	<0.001	<0.001
	HP5400 - SKUA/GBBG	2	299.22	89,530.21	92.32	0.01	<0.001	<0.001
	HU5199 - SKUA/GBBG	2	297.03	88,229.20	92.33	0.01	<0.001	<0.001
	HU5299 - SKUA/GBBG	4	297.32	88,396.80	92.21	0.01	<0.001	<0.001
	HU5399 - SKUA/GBBG	10	296.83	88,109.24	92.33	0.01	0.001	<0.001
Ward of Reafirth	HU5087 - SKUA/GBBG	4	285.67	81,608.49	91.52	0.01	<0.001	<0.001
	HU5187 - SKUA/GBBG	2	284.90	81,165.73	91.70	0.01	<0.001	<0.001
West Burrafirth to Longa Ness	Neeans	1	258.13	66,629.55	91.33	0.01	<0.001	<0.001
Whalsay 1	HU 5865 - SKUA/GBBG	4	263.38	69,366.39	91.49	0.01	<0.001	<0.001
	HU 6066 - SKUA/GBBG	2	264.21	69,804.81	91.62	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
Whalsay 2	HU 5464 - SKUA/GBBG	2	260.92	68,078.72	91.54	0.01	<0.001	<0.001
Whalsay: East Skerries and Holms	East Linga	2	260.61	67,918.61	91.53	0.01	<0.001	<0.001
Whalsay: Western Islands	West Linga	2	261.36	68,309.05	91.54	0.01	<0.001	<0.001
Yell	CA05	4	290.36	84,308.93	92.10	0.01	<0.001	<0.001
	GL08	2	302.91	91,753.26	92.20	0.01	<0.001	<0.001
	OW01	2	284.31	80,832.74	91.75	0.01	<0.001	<0.001
	OW04	2	283.87	80,581.61	91.79	0.01	<0.001	<0.001
Yell - Black Park	Black Park RSPB	6	295.60	87,377.00	92.20	0.01	<0.001	<0.001
Yell - Lumbister	HU4898 - SKUA/GBBG	8	300.84	90,505.91	92.24	0.01	0.001	<0.001
Yell - Lumbister South	HU4796 - SKUA/GBBG	2	305.18	93,135.44	92.11	0.01	<0.001	<0.001
	HU4893 - SKUA/GBBG	4	305.18	93,135.44	92.11	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
	HU4895 - SKUA/GBBG	4	305.18	93,135.44	92.11	0.01	<0.001	<0.001
	HU4896 - SKUA/GBBG	2	305.18	93,135.44	92.11	0.01	<0.001	<0.001
	HU4897 - SKUA/GBBG	4	300.90	90,537.80	92.17	0.01	<0.001	<0.001
	HU4994 - SKUA/GBBG	8	305.18	93,135.44	92.11	0.01	0.001	<0.001
	HU4995 - SKUA/GBBG	4	305.18	93,135.44	92.11	0.01	<0.001	<0.001
	HU4996 - SKUA/GBBG	6	305.18	93,135.44	92.11	0.01	<0.001	<0.001
Yell Sound Islands	Bigga	18	281.61	79,304.76	91.88	0.01	0.002	0.001
	Fish Holm	2	276.31	76,345.01	91.76	0.01	<0.001	<0.001
	Lamba	2	286.26	81,941.93	91.90	0.01	<0.001	<0.001
	Samphrey	16	277.97	77,268.43	91.8	0.01	0.001	0.001

2.5 Guillemot

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

Table 2-5: 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**	-	199,992	50.90	2,641.96	51.40	0.02	2.652	0.735
North Caithness Cliffs SPA	Holburn Head 3	58	93.83	8,804.26	60.03	0.02	<0.001	<0.001
	Holburn Head 2	631	92.92	8,634.68	60.28	0.02	0.002	0.001
	Dunnet Head 4	741	84.49	7,138.90	67.22	0.01	0.003	0.001
	Dunnet Head 3	10,334	81.41	6,627.91	69.69	0.01	0.040	0.011
	Dunnet Head 1	3,453	79.51	6,321.84	69.93	0.01	0.014	0.004
	Dunnet Head 2	1,300	80.11	6,416.81	70.09	0.01	0.005	0.001
	Auckengill within SPA	47	55.30	3,057.65	77.01	0.01	<0.001	<0.001
	Skirza Head	13,672	56.34	3,174.20	78.3	0.01	0.098	0.027
	Stacks of Duncansby	17,834	58.08	3,372.82	79.64	0.01	0.118	0.033

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
	Duncansby Head	2,318	59.66	3,559.43	79.93	0.01	0.015	0.004
Troup, Pennan and Lion's Heads SPA	More Head-Crovie Pier (+Craigandargity skerry)	235	59.82	3,578.91	61.72	0.02	0.002	0.001
	Crovie to Collie Head	1,524	59.36	3,523.02	63.03	0.02	0.012	0.003
	Troup & Lion's Head RSPB (Coast & Reserve)	41,088	59.58	3,549.78	64.35	0.02	0.321	0.089
	Pennan Head	1,942	61.09	3,731.74	65.15	0.02	0.014	0.004
	Aberdour Bay	2,931	61.77	3,815.04	66.07	0.02	0.021	0.006
Copinsay SPA	Black Holm	35	81.75	6,682.74	86.26	0.01	<0.001	<0.001
	Copinsay	10,922	80.71	6,513.46	86.31	0.01	0.035	0.010
	Ward Holm	9	81.12	6,581.10	86.12	0.01	<0.001	<0.001
Hoy SPA	HOY17	7,907	82.84	6,862.96	78.94	0.01	0.026	0.007
	HOY16	402	85.09	7,240.65	79.18	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
	HOY14	121	88.53	7,837.56	79.16	0.01	<0.001	<0.001
	HOY13	4	90.16	8,129.19	79.21	0.01	<0.001	<0.001
	Old Man of Hoy to Rora Head	114	95.84	9,186.07	80.73	0.01	<0.001	<0.001
	Hoy RSPB Reserve	3,956	96.21	9,256.94	81.62	0.01	0.009	0.003
	HOY8	1,340	96.21	9,256.94	81.62	0.01	0.003	0.001
	HOY5	283	100.07	10,014.61	82.54	0.01	0.001	<0.001
	HOY6	1,828	100.42	10,084.38	82.54	0.01	0.004	0.001
	HOY7	391	100.72	10,144.12	82.23	0.01	0.001	<0.001
Rousay SPA	Rousay 12	38	120.19	14,444.67	88.68	0.01	<0.001	<0.001
	Rousay 11	670	121.47	14,754.72	88.63	0.01	0.001	<0.001
	Rousay 7	7	124.13	15,409.25	88.32	0.01	<0.001	<0.001
	Rousay 8	13	123.46	15,243.11	88.27	0.01	<0.001	<0.001
	Rousay 6	477	125.16	15,664.52	88.17	0.01	0.001	<0.001
	Rousay 5	2,566	126.44	15,987.83	87.98	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
	Rousay 4	3,752	125.68	15,794.46	87.63	0.01	0.005	0.001
	Rousay 2	31	123.50	15,252.99	87.44	0.01	<0.001	<0.001
	Rousay 1 - RSPB	367	123.24	15,189.08	87.08	0.01	<0.001	<0.001
Marwick Head SPA	-	12,800	117.64	13,838.23	85.71	0.01	0.019	0.005
Calf of Eday SPA	Eday 20	7	117.89	13,897.34	90.5	0.01	<0.001	<0.001
	Calf of Eday	7,375	119.99	14,397.12	90.65	0.01	0.010	0.003
	Eday 5	11	122.13	14,916.47	90.69	0.01	<0.001	<0.001
	Eday 6	9	122.26	14,947.75	90.59	0.01	<0.001	<0.001
West Westray SPA	West Westray 6	4,403	129.44	16,753.68	89.49	0.01	0.005	0.001
	West Westray 5	3,223	131.11	17,190.62	89.85	0.01	0.004	0.001
	Noup Cliffs RSPB (West Westray 2)	32,945	134.19	18,006.15	89.48	0.01	0.036	0.010
	West Westray 1	102	135.11	18,253.36	89.62	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
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	122	94.88	9,002.59	89.64	0.01	<0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	-	32	123.02	15,134.90	86.58	0.01	<0.001	<0.001
Brough of Birsay	-	359	120.54	14,529.41	86.82	0.01	0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	143	46.01	2,117.29	72.86	0.01	0.002	<0.001
	Staxigoe	18	44.70	1,997.73	72.03	0.01	<0.001	<0.001
Costa Head	Costa Head	6,792	126.76	16,067.08	86.85	0.01	0.009	0.002
	Costa Hill Cliffs	9	125.95	15,863.40	87.08	0.01	<0.001	<0.001
Deerness	Deerness 10	127	84.44	7,130.79	86.79	0.01	<0.001	<0.001
	Deerness 3	232	90.58	8,205.10	87.39	0.01	0.001	<0.001
	Deerness 5	316	89.20	7,956.28	87.57	0.01	0.001	<0.001
	Mull Head - cliff-nesters	1,841	89.72	8,048.96	87.64	0.01	0.005	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
Flotta & Calf of Flotta	Flotta 5	3	77.62	6,025.17	80.71	0.01	<0.001	<0.001
	Flotta 6	83	77.75	6,044.29	80.37	0.01	<0.001	<0.001
Holm	Gultak	292	81.94	6,714.33	85.05	0.01	0.001	<0.001
	Holm 2	9	82.75	6,847.07	85.25	0.01	<0.001	<0.001
	Holm 6	80	81.26	6,603.03	84.83	0.01	<0.001	<0.001
Horse of Copinsay	-	1,034	81.83	6,696.80	86.72	0.01	0.003	0.001
Hoy and Southwalls	HOY21	306	78.72	6,197.31	78.68	0.01	0.001	<0.001
	HOY22	1,364	77.13	5,949.35	79.23	0.01	0.005	0.001
Papa Westray (North Hill and Holm) SPA	-	230	138.08	19,064.71	90.91	0.01	<0.001	<0.001
Pentland Firth Islands SPA	-	8	69.86	4,880.14	78.92	0.01	<0.001	<0.001
Portknockie	-	66	60.73	3,688.62	45.08	0.02	0.001	<0.001
	Shapinsay 10	8	98.93	9,787.54	87.64	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
Shapinsay (Coastal)	Shapinsay 8	12	98.12	9,627.53	87.60	0.01	<0.001	<0.001
	Shapinsay 9	109	97.93	9,590.68	87.96	0.01	<0.001	<0.001
South Ronaldsay	Burwick - Sandwich	13	71.14	5,060.90	79.53	0.01	<0.001	<0.001
	The Altar - Quindry	868	77.71	6,039.00	80.83	0.01	0.003	0.001
	Windwick - Burwick	3,966	71.01	5,042.42	79.99	0.01	0.018	0.005
Stroma	-	12,211	66.26	4,389.99	78.17	0.01	0.063	0.018
Stromness Area, Hundland	-	43	109.69	12,032.55	83.82	0.01	<0.001	<0.001
Stronsay	Carlin Geo 1	993	100.31	10,062.70	90.26	0.01	0.002	0.001
	Rothiesholm Head 2	13	103.03	10,615.39	89.61	0.01	<0.001	<0.001
Switha	-	11,082	76.56	5,861.43	79.85	0.01	<0.001	<0.001
	Grid Square HY2113	44	105.07	11,038.65	83.92	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
Yesnaby - Ness Point, Stromness	Grid Square HY2114	4	105.91	11,217.56	84.00	0.01	<0.001	<0.001
Yesnaby to Marwick (West Mainland)	Row Head	5,925	110.83	12,284.18	84.29	0.01	0.010	0.003
* Applying Harris <i>et al.</i> (2015 ³) correction factor x 1.34 for total adult breeding numbers. ** Counts from Swann (2016 ²).								

2.6 **Razorbill**

2.6.1.1 Table 2-6 provides the razorbill breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-6: 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**	-	40,256	68.13	4,641.29	35.42	0.03	1.568	0.685
Fair Isle SPA	-	2,580	160.95	25,904.58	95.39	0.01	0.007	0.003
North Caithness Cliffs SPA	Melvich 2	529	112.42	12,637.58	59.11	0.02	0.005	0.002
	Melvich 3	496	113.36	12,851.17	59.13	0.02	0.004	0.002
	Melvich 1	918	111.62	12,459.69	59.36	0.02	0.008	0.003
	Sandside Head 1	232	109.64	12,019.83	60.3	0.02	0.002	0.001
	Sandside Head 2	434	110.78	12,272.65	60.35	0.02	0.004	0.002
	Ness of Litter	39	98.78	9,758.08	66.06	0.02	<0.001	<0.001
	Holburn Head 3	32	93.83	8,804.26	66.99	0.01	<0.001	<0.001
	Holburn Head 2	122	92.92	8,634.68	67.16	0.01	0.001	0.001
	Dunnet Head 5	153	88.31	7,798.30	71.17	0.01	0.002	0.001
	Dunnet Head 4	218	84.49	7,138.90	72.61	0.01	0.003	0.001
	Little Clett	42	78.69	6,191.80	74.45	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
	Dunnet Head 3	1,406	81.41	6,627.91	74.55	0.01	0.018	0.008
	Dunnet Head 1	194	79.51	6,321.84	74.63	0.01	0.003	0.001
	Dunnet Head 2	406	80.11	6,416.81	74.76	0.01	0.005	0.002
	Auckengill within SPA	137	55.30	3,057.65	75.22	0.01	0.004	0.002
	Skirza Head	1,691	56.34	3,174.20	76.82	0.01	0.044	0.019
	Stacks of Duncansby	1,138	58.08	3,372.82	78.44	0.01	0.028	0.012
	Duncansby Head	3,271	59.66	3,559.43	79.18	0.01	0.074	0.032
	Stroma Island	1,927	66.26	4,389.99	79.18	0.01	0.035	0.016
Troup, Pennan and Lion's Heads SPA	More Head-Crovie Pier (+Craigandargity skerry)	125	59.82	3,578.91	59.10	0.02	0.004	0.002
	Crovie to Collie Head	1,124	59.36	3,523.02	60.33	0.02	0.034	0.015
	Troup & Lion's Head RSPB (Coast & Reserve)	6,448	59.58	3,549.78	61.66	0.02	0.189	0.082

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
	Pennan Head	592	61.09	3,731.74	62.79	0.02	0.016	0.007
	Aberdour Bay	508	61.77	3,815.04	63.88	0.02	0.013	0.006
	West Quarry Head	4	62.21	3,870.58	64.84	0.02	<0.001	<0.001
West Westray SPA	West Westray 6	705	129.44	16,753.68	89.25	0.01	0.003	0.001
	West Westray 5	781	131.11	17,190.62	89.55	0.01	0.003	0.001
	Noup Cliffs RSPB (West Westray 2)	1,280	134.19	18,006.15	89.15	0.01	0.005	0.002
	West Westray 1	91	135.11	18,253.36	89.27	0.01	<0.001	<0.001
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	60	94.88	9,002.59	88.08	0.01	<0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Skipi Geo to Whitaloo Point	3	122.10	14,908.41	86.71	0.01	<0.001	<0.001
	Whitaloo Point to Loop of Cruie	76	123.02	15,134.90	86.72	0.01	<0.001	<0.001
Brough of Birsay	-	27	120.54	14,529.41	86.90	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	-	7,654	103.72	10,756.80	69.96	0.01	0.065	0.028
Caithness - Wick Bay to Freshwick Bay	Ackergillshore	29	48.30	2,332.79	68.67	0.01	0.001	0.001
	Noss Head	358	46.01	2,117.29	69.59	0.01	0.016	0.007
Calf of Eday SPA	Eday 20	23	117.89	13,897.34	90.08	0.01	<0.001	<0.001
	Calf of Eday	94	119.99	14,397.12	90.22	0.01	<0.001	<0.001
	Eday 4	5	121.17	14,681.44	90.36	0.01	<0.001	<0.001
	Eday 5	17	122.13	14,916.47	90.26	0.01	<0.001	<0.001
	Eday 6	11	122.26	14,947.75	90.17	0.01	<0.001	<0.001
Copinsay SPA	Black Holm	79	81.75	6,682.74	84.84	0.01	0.001	<0.001
	Copinsay	381	80.71	6,513.46	84.87	0.01	0.004	0.002
	Corn Holm	29	81.51	6,643.23	84.8	0.01	<0.001	<0.001
	Ward Holm	125	81.12	6,581.10	84.73	0.01	0.001	0.001
Costa Head	Costa Head	762	126.76	16,067.08	86.96	0.01	0.003	0.002
	Costa Hill Cliffs	119	125.95	15,863.40	87.16	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
Deerness	Deerness 10	114	84.44	7,130.79	85.28	0.01	0.001	0.001
	Deerness 6	64	88.17	7,774.65	85.54	0.01	0.001	<0.001
	Deerness 5	134	89.20	7,956.28	85.88	0.01	0.001	0.001
	Mull Head - cliff-nesters	84	89.72	8,048.96	85.95	0.01	0.001	<0.001
	Deerness 3	155	90.58	8,205.10	85.71	0.01	0.001	0.001
	Deerness 2	78	93.13	8,672.27	84.95	0.01	0.001	<0.001
Flotta & Calf of Flotta	Flotta 5	36	77.62	6,025.17	79.87	0.01	<0.001	<0.001
	Flotta 6	322	77.75	6,044.29	79.57	0.01	0.004	0.002
Holm	Holm 6	25	81.26	6,603.03	83.61	0.01	<0.001	<0.001
	Gultak	512	81.94	6,714.33	83.81	0.01	0.006	0.003
	Holm 2	127	82.75	6,847.07	84.01	0.01	0.001	0.001
Holm, Deerness and Tankerness	Rerwick Head 1	1	95.10	9,043.25	84.97	0.01	<0.001	<0.001
	Rerwick Head 2	52	94.68	8,965.06	85.02	0.01	<0.001	<0.001
Horse of Copinsay	-	310	81.83	6,696.80	85.17	0.01	0.003	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
Hoy and Southwalls	-	244	77.13	5,949.35	78.59	0.01	0.003	0.001
Hoy SPA	HOY19	19	80.04	6,406.40	78.05	0.01	<0.001	<0.001
	HOY15	27	86.86	7,544.31	78.37	0.01	<0.001	<0.001
	HOY17	481	82.84	6,862.96	78.43	0.01	0.006	0.002
	HOY16	122	85.09	7,240.65	78.69	0.01	0.001	0.001
	HOY14	34	88.53	7,837.56	78.72	0.01	<0.001	<0.001
	HOY13	54	90.16	8,129.19	78.81	0.01	0.001	<0.001
	HOY12	13	91.41	8,355.79	78.89	0.01	<0.001	<0.001
	HOY11	34	92.72	8,597.55	79.34	0.01	<0.001	<0.001
	HOY10	54	94.14	8,862.34	79.79	0.01	<0.001	<0.001
	Old Man of Hoy to Rora Head	86	95.84	9,186.07	80.31	0.01	0.001	<0.001
	HOY8	263	97.81	9,566.80	81.07	0.01	0.002	0.001
	Hoy RSPB Reserve	1,091	96.21	9,256.94	81.13	0.01	0.009	0.004
	HOY7	320	100.72	10,144.12	81.77	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
	HOY5	75	100.07	10,014.61	82.06	0.01	0.001	<0.001
	HOY6	253	100.42	10,084.38	82.08	0.01	0.002	0.001
Marwick Head SPA	-	988	117.64	13,838.23	85.87	0.01	0.005	0.002
Melvich to Duncansby Stacks SSSI	-	62	69.55	4,836.92	77.00	0.01	0.001	<0.001
North Sutor to Shandwick	-	161	105.67	11,166.99	18.63	0.05	0.005	0.002
Papa Westray (North Hill and Holm) SPA	-	79	138.08	19,064.71	90.43	0.01	<0.001	<0.001
Pentland Firth Islands SPA	-	273	69.86	4,880.14	78.24	0.01	0.005	0.002
Portknockie	-	25	60.73	3,688.62	43.47	0.02	0.001	<0.001
Portsoy to Cullen	Garron Point	21	60.28	3,634.04	46.09	0.02	0.001	<0.001
	Redhythe Point	40	60.55	3,666.67	46.83	0.02	0.001	0.001
Rosehearty to Bay of Cullen	Head of Garness	109	59.25	3,510.44	55.78	0.02	0.004	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
Rousay SPA	Rousay 1 - RSPB	44	123.24	15,189.08	87.11	0.01	<0.001	<0.001
	Rousay 2	28	123.50	15,252.99	87.45	0.01	<0.001	<0.001
	Rousay 4	193	125.68	15,794.46	87.67	0.01	0.001	<0.001
	Rousay 5	138	126.44	15,987.83	88	0.01	0.001	<0.001
	Rousay 6	44	125.16	15,664.52	88.18	0.01	<0.001	<0.001
	Rousay 8	8	123.46	15,243.11	88.27	0.01	<0.001	<0.001
	Rousay 7	5	124.13	15,409.25	88.33	0.01	<0.001	<0.001
	Rousay 11	56	121.47	14,754.72	88.64	0.01	<0.001	<0.001
	Rousay 12	86	120.19	14,444.67	88.69	0.01	<0.001	<0.001
	Rousay 13	11	118.77	14,107.03	89.06	0.01	<0.001	<0.001
Sanday	-	15	121.22	14,693.56	89.56	0.01	<0.001	<0.001
Scapa Bay to St. Marys	-	204	89.43	7,997.72	79.39	0.01	0.002	0.001
Shapinsay (Coastal)	Shapinsay 10	74	98.93	9,787.54	86.19	0.01	0.001	<0.001
	Shapinsay 8	74	98.12	9,627.53	86	0.01	0.001	<0.001
	Shapinsay 9	121	97.93	9,590.68	86.36	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
Smoo to Melvich	Melvich 5	27	117.38	13,778.77	58.67	0.02	<0.001	<0.001
	Strathy 1	83	119.68	14,324.02	59.16	0.02	0.001	<0.001
	Strathy 2	1	121.55	14,775.13	58.73	0.02	<0.001	<0.001
South Ronaldsay	Windwick - Burwick	685	71.01	5,042.42	79.22	0.01	0.011	0.005
	Burwick - Sandwick	21	71.14	5,060.90	78.79	0.01	<0.001	<0.001
	The Altar - Quindry	332	77.71	6,039.00	79.98	0.01	0.004	0.002
	Quindry - Hoxa - Dam of Hoxa	39	77.95	6,075.73	79.64	0.01	0.001	<0.001
South Sutor	South Sutor 3	3	107.94	11,650.18	18.02	0.06	<0.001	<0.001
	South Sutor All (2-6)	4	109.77	12,049.67	17.66	0.06	<0.001	<0.001
Strathlene to Portknockie	-	38	60.79	3,695.30	42.62	0.02	0.002	0.001
Stromness Area, Hundland	Yesnaby 1	1	108.06	11,675.88	83.75	0.01	<0.001	<0.001
	Yesnaby 2	74	109.69	12,032.55	83.56	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
Stronsay	Burgh Head 1	3	100.54	10,107.49	89.54	0.01	<0.001	<0.001
	Burgh Head 2	3	100.04	10,008.40	89.52	0.01	<0.001	<0.001
	Rothiesholm Head 2	13	103.03	10,615.39	88.78	0.01	<0.001	<0.001
Sule Skerry and Sule Stack SPA	-	40	154.32	23,813.43	81.54	0.01	<0.001	<0.001
Switha	-	310	76.56	5,861.43	79.10	0.01	0.004	0.002
Yesnaby - Ness Point, Stromness	Grid Square HY2210	23	101.52	10,306.72	83.24	0.01	<0.001	<0.001
	Grid Square HY2112	16	103.89	10,793.96	83.57	0.01	<0.001	<0.001
	Grid Square HY2113	32	105.07	11,038.65	83.55	0.01	<0.001	<0.001
	Grid Square HY2114	74	105.91	11,217.56	83.66	0.01	0.001	<0.001
	Grid Square HY2115/2215	1	106.91	11,430.39	83.9	0.01	<0.001	<0.001
	Grid Square HY2217	36	109.11	11,904.77	84.18	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
Yesnaby to Marwick (West Mainland)	Row Head	413	110.83	12,284.18	84.17	0.01	0.003	0.001
Ythan Estuary, Sands of Forvie and Meikle Loch SPA	-	84	112.44	12,641.85	65.39	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 Swann (2016 ²).								

2.7

Puffin

2.7.1.1

Table 2-7 provides the puffin breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-7: Puffin 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								
North Caithness Cliffs SPA	Skirza Head	2	56.34	3,174.20	74.84	0.01	<0.001	<0.001
	Duncansby Head	33	58.08	3,372.82	76.33	0.01	0.002	0.002
	Dunnet Head 4	87	59.66	3,559.43	76.54	0.01	0.005	0.004
	Dunnet Head 5	138	78.69	6,191.80	75.79	0.01	0.004	0.003
	Dunnet Head 1	33	79.63	6,340.62	75.84	0.01	0.001	0.001
	Dunnet Head 2	193	80.22	6,435.73	75.82	0.01	0.006	0.005
	Dunnet Head 3	199	81.53	6,647.14	75.53	0.01	0.006	0.005
	Holburn Head 2	20	84.49	7,138.90	74.75	0.01	0.001	<0.001
	Holburn Head 3	11	88.31	7,798.30	74.2	0.01	<0.001	<0.001
	Little Clett	6	92.92	8,634.68	73.69	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)	Resulting Weight	Proportional Weight
	Melvich 1	81	93.83	8,804.26	73.58	0.01	0.002	0.001
	Melvich 2	1312	98.78	9,758.08	73.76	0.01	0.027	0.022
	Melvich 3	504	109.64	12,019.83	72.2	0.01	0.009	0.007
	Melvich 4	123	110.78	12,272.65	72.15	0.01	0.002	0.002
	Ness of Litter	1	111.62	12,459.69	71.94	0.01	<0.001	<0.001
	Sandside Head 1	3	112.42	12,637.58	71.72	0.01	<0.001	<0.001
	Sandside Head 2	1	113.36	12,851.17	71.65	0.01	<0.001	<0.001
	Stacks of Duncansby	4	115.04	13,234.20	71.77	0.01	<0.001	<0.001
	Stroma Island	260	66.26	4,389.99	76.84	0.01	0.012	0.009
Hoy SPA	Hoy RSPB Reserve	178	82.84	6,862.96	77.67	0.01	0.005	0.004
	HOY17	4	90.20	8,136.04	79.26	0.01	<0.001	<0.001
	HOY29	1	95.84	9,186.07	78.85	0.01	<0.001	<0.001
	HOY5	2	96.21	9,256.94	78.96	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)	Resulting Weight	Proportional Weight
	HOY7	94	100.07	10,014.61	79.71	0.01	0.002	0.001
	HOY8	78	100.42	10,084.38	79.69	0.01	0.001	0.001
	Old Man of Hoy to Rora Head	4	100.72	10,144.12	79.25	0.01	<0.001	<0.001
Cape Wrath SPA	Cape Wrath 4	10	169.24	28,642.18	75.00	0.01	<0.001	<0.001
	Clo Mor 1	8	170.82	29,180.50	75.01	0.01	<0.001	<0.001
	Clo Mor 10	25	171.80	29,514.90	75.00	0.01	<0.001	<0.001
	Clo Mor 11	13	172.60	29,790.76	75.13	0.01	<0.001	<0.001
	Clo Mor 7	8	175.71	30,874.71	75.54	0.01	<0.001	<0.001
	Clo Mor 8	29	176.22	31,052.43	75.67	0.01	<0.001	<0.001
	Clo Mor 9	121	176.54	31,164.61	75.67	0.01	0.001	0.001
Sule Skerry and Sule Stack SPA	-	95,484	154.43	23,849.86	81.50	0.01	0.734	0.581
Fair Isle SPA	-	6,666	160.95	25,904.58	92.07	0.01	0.042	0.033
Foula SPA	-	6,351	222.47	49,492.01	95.67	0.01	0.020	0.016

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
North Rona and Sula Sgeir SPA	North Rona	2,780	234.54	55,010.42	84.82	0.01	0.009	0.007
	Sula Sgeir	54	252.74	63,874.98	84.71	0.01	<0.001	<0.001
Noss SPA	-	545	239.53	57,373.18	96.44	0.01	0.001	0.001
Additional Colonies and Non-designated Sites								
Auskerry SPA	-	466	94.88	9,002.59	83.77	0.01	0.009	0.007
Bigton to Maywick	-	110	217.04	47,105.93	96.60	0.01	<0.001	<0.001
Birsay Cliffs - Point of Buckquoy to Loop of Cruie	Skipi Geo to Whitaloo Point	3	122.10	14,908.41	82.89	0.01	<0.001	<0.001
	Whitaloo Point to Loop of Cruie	35	123.02	15,134.90	83.02	0.01	<0.001	<0.001
Bressay	Geos of the Veng	1	232.37	53,994.89	95.88	0.01	<0.001	<0.001
Brough of Birsay	-	5	120.54	14,529.41	82.63	0.01	<0.001	<0.001
Buchan Ness to Collieston Coast SPA	-	56	103.72	10,756.80	64.98	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)	Resulting Weight	Proportional Weight
Burn of Daff	Black Slough to Burn of Daff	7	145.80	21,257.93	56.65	0.02	<0.001	<0.001
Caithness - Wick Bay to Freshwick Bay	Noss Head	3	46.01	2,117.29	72.66	0.01	<0.001	<0.001
Calf of Eday SPA	Calf of Eday	1	119.99	14,397.12	85.73	0.01	<0.001	<0.001
	Eday 20	6	117.89	13,897.34	85.47	0.01	<0.001	<0.001
	Eday 4	1	121.17	14,681.44	85.85	0.01	<0.001	<0.001
	Eday 5	39	122.13	14,916.47	85.75	0.01	<0.001	<0.001
	Eday 6	1	122.26	14,947.75	85.73	0.01	<0.001	<0.001
Catterline to Inverbervie	Whistleberry	3	167.78	28,149.12	53.15	0.02	<0.001	<0.001
	Rouen Bay	2	166.84	27,835.92	53.31	0.02	<0.001	<0.001
	The Slainges	5	166.09	27,586.88	53.45	0.02	<0.001	<0.001
Copinsay SPA	Black Holm	67	81.75	6,682.74	81.58	0.01	0.002	0.001
	Copinsay	986	80.71	6,513.46	81.57	0.01	0.028	0.022
	Corn Holm	181	81.51	6,643.23	81.58	0.01	0.005	0.004

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
	Ward Holm	210	81.12	6,581.10	81.52	0.01	0.006	0.005
Costa Head	Costa Head	19	126.76	16,067.08	83.31	0.01	<0.001	<0.001
	Costa Hill Cliffs	8	125.95	15,863.40	83.37	0.01	<0.001	<0.001
Deerness	Mull Head - cliff-nesters	2	89.72	8,048.96	82.42	0.01	<0.001	<0.001
Droman to Geodha Ruadh na Fola	-	396	74.44	35,402.30	188.16	0.01	0.002	0.002
East Caithness Cliffs SPA*	-	245	51.50	3,153.28	61.96	0.44	0.021	0.016
East Mainland - Orkney - Tysties	-	986	81.20	6,593.60	81.59	0.01	0.027	0.022
Eynhallow	-	87	121.59	14,783.16	83.43	0.01	0.001	0.001
Faraid Head/Balnakeil	Faraid Head 2	5	164.12	26,936.03	74.01	0.01	<0.001	<0.001
	Faraid Head 3	12	163.55	26,747.29	73.93	0.01	<0.001	<0.001
	Faraid Head 4	54	163.32	26,672.44	73.85	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)	Resulting Weight	Proportional Weight
	Faraid Head 5	10	163.48	26,726.36	73.71	0.01	<0.001	<0.001
Findon Ness - Hare Ness	Findon Ness to Black Slough	2	143.86	20,694.55	57.10	0.02	<0.001	<0.001
	Hare Ness to Seal's Cove	7	141.47	20,014.61	57.49	0.02	<0.001	<0.001
	Seal's Cove to Findon Ness	7	142.79	20,389.27	57.29	0.02	<0.001	<0.001
Flotta & Calf of Flotta	Flotta 5	2	77.62	6,025.17	79.09	0.01	<0.001	<0.001
	Flotta 6	4	77.75	6,044.29	78.66	0.01	<0.001	<0.001
Fowlsheugh SPA	Fowlsheugh RSPB	16	161.36	26,037.37	54.11	0.02	<0.001	<0.001
	Swallow Cove - Crawton	121	163.10	26,602.91	53.91	0.02	0.001	0.001
	Thornyhive Bay	4	159.98	25,592.96	54.19	0.02	<0.001	<0.001
	Tremuda/Old Hall Bay	7	159.26	25,362.16	54.27	0.02	<0.001	<0.001
Green Holms	-	33	108.46	11,763.35	84.04	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)	Resulting Weight	Proportional Weight
Gulberwick to Fladdabister	-	5	231.94	53,794.31	94.67	0.01	<0.001	<0.001
Handa SPA	-	722	209.56	43,914.97	71.05	0.01	0.003	0.003
Heylor to Stenness	-	2	264.78	70,106.86	98.03	0.01	<0.001	<0.001
Horse of Copinsay	-	5	81.83	6,696.80	81.76	0.01	<0.001	<0.001
Horse Island, Colsay, Little and Ladies Holm to Fitful Head	Stack o' da Noup	93	208.92	43,646.73	96.22	0.01	<0.001	<0.001
Housabister to Catfirth	Hoo Stack	3	248.37	61,689.15	97.88	0.01	<0.001	<0.001
	Little Loch to Eswick Holm	4	249.14	62,072.23	97.93	0.01	<0.001	<0.001
Hoy and South Walls - Tysties	HOY 01 - Tysties	25	77.63	6,025.80	78.53	0.01	0.001	0.001
	HOY 02 - Tysties	63	77.93	6,072.31	78.02	0.01	0.002	0.002
	HOY 03 - Tysties	5	79.82	6,371.87	78.03	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)	Resulting Weight	Proportional Weight
	HOY 04 - Tysties	1	80.42	6,467.05	77.88	0.01	<0.001	<0.001
	HOY 05 - Tysties	1	81.34	6,616.20	77.51	0.01	<0.001	<0.001
	HOY 06 - Tysties	2	82.14	6,746.16	77.65	0.01	<0.001	<0.001
Huxter to Brindister	-	26	255.19	65,121.94	96.42	0.01	<0.001	<0.001
Ireland to Maywick	-	8	218.02	47,530.98	96.86	0.01	<0.001	<0.001
Laxo to Housabister (Nesting)	Hog Island to Dringa Neap	3	254.52	64,781.45	98.09	0.01	<0.001	<0.001
	Teistie Geo to Wick of Neap	9	255.39	65,225.58	98.10	0.01	<0.001	<0.001
Loch of Vaara (Twatt)	Aith Ness	2	263.76	69,571.45	95.32	0.01	<0.001	<0.001
	HU3259 - SKUA/GBBG	2	263.05	69,195.30	95.50	0.01	<0.001	<0.001
	Auchmithie	5	203.19	41,287.40	46.48	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)	Resulting Weight	Proportional Weight
Lunan Bay to Arbroath	Whiting Ness to Ethie Haven 4	6	204.59	41,858.30	46.23	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 7	6	200.60	40,238.35	46.96	0.02	<0.001	<0.001
	Whiting Ness to Ethie Haven 8	3	199.58	39,830.98	47.14	0.02	<0.001	<0.001
Marwick Head SPA	Marwick Head	5	117.64	13,838.23	82.06	0.01	<0.001	<0.001
Maywick to Scalloway	Maywick to Holms Geo	5	220.74	48,726.59	96.99	0.01	<0.001	<0.001
	South Havra	41	220.44	48,593.79	96.81	0.01	<0.001	<0.001
Melvich to Duncansby Stacks SSSI	St Johns Point	13	69.55	4,836.92	76.11	0.01	0.001	<0.001
	Ushat Head 1	4	90.53	8,196.04	74.89	0.01	<0.001	<0.001
Muckle Roe to Ura Firth	Egilsay, whole island	2	263.94	69,665.38	98.00	0.01	<0.001	<0.001
	North Point of Mill Geos to Nibon	2	264.94	70,191.08	95.76	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)	Resulting Weight	Proportional Weight
Newton Hill	-	2	151.63	22,991.66	55.42	0.02	<0.001	<0.001
Newtonhill - Hall Bay	-	3	148.87	22,161.68	56.06	0.02	<0.001	<0.001
No Ness to Levenwick and Boddam to Virkie	Quinni Geo to Boats Noost	8	213.03	45,382.63	96.47	0.01	<0.001	<0.001
North Sutherland Islands	Eilean nan Ron whole island	2	19,676.51	140.27	71.59	0.01	<0.001	<0.001
Out Skerries	-	3,968	60.82	3,698.46	77.98	0.01	0.207	0.163
Papa Westray - Tysties	-	25	134.09	17,980.40	86.51	0.01	<0.001	<0.001
Papa Westray (North Hill and Holm) SPA	Holm Of Papa Westray	4	133.74	17,885.05	86.86	0.01	<0.001	<0.001
	North Hill RSPB, Papa Westray	26	138.08	19,064.71	87.02	0.01	<0.001	<0.001
Pentland Firth Islands SPA	-	578	69.86	4,880.14	77.97	0.01	0.023	0.018

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
Portsoy to Cullen	-	32	60.28	3,634.04	57.47	0.02	0.002	0.002
Rerwick Head to Mirkady Point	Deerness 4	1	97.84	9,572.86	81.73	0.01	<0.001	<0.001
Rousay SPA	Rousay 1 - RSPB	1	284.71	81,060.35	98.07	0.01	<0.001	<0.001
	Rousay 11	12	123.24	15,189.08	83.61	0.01	<0.001	<0.001
	Rousay 12	9	121.47	14,754.72	84.2	0.01	<0.001	<0.001
	Rousay 13	2	120.19	14,444.67	84.27	0.01	<0.001	<0.001
	Rousay 2	3	118.77	14,107.03	84.45	0.01	<0.001	<0.001
	Rousay 4	45	123.50	15,252.99	83.72	0.01	<0.001	<0.001
	Rousay 5	8	125.68	15,794.46	83.93	0.01	<0.001	<0.001
	Rousay 6	10	126.44	15,987.83	84.14	0.01	<0.001	<0.001
	Rousay 7	10	125.16	15,664.52	84.23	0.01	<0.001	<0.001
	Rousay 8	1	124.13	15,409.25	84.35	0.01	<0.001	<0.001
Rysa Little and Cava	-	2	87.77	7,703.22	79.63	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)	Resulting Weight	Proportional Weight
Sanday	-	8	121.22	14,693.56	86.05	0.01	<0.001	<0.001
Sandness	-	10	242.41	58,761.15	95.27	0.01	<0.001	<0.001
Scalloway Islands	Sanda Stour	1	233.38	54,465.76	97.28	0.01	<0.001	<0.001
	The Nev (Island)	1	233.96	54,735.41	97.3	0.01	<0.001	<0.001
Scalloway Islands South	Cheynies	1	230.44	53,103.98	94.22	0.01	<0.001	<0.001
	Oxna	4	229.33	5,2592.71	94.19	0.01	<0.001	<0.001
Shapinsay (Coastal)	Shapinsay 10	6	98.93	9,787.54	82.81	0.01	<0.001	<0.001
	Shapinsay 9	6	97.93	9,590.68	82.72	0.01	<0.001	<0.001
Skeld, Westerwick and Culswick	Burga Stacks to Caves	7	233.86	54,688.63	96.41	0.01	<0.001	<0.001
	Giltarump Stack	1	231.98	53,814.72	96.96	0.01	<0.001	<0.001
	West Of The Nev - Stead Of Culswick	17	233.36	54,455.49	96.12	0.01	<0.001	<0.001
	Westerwick to West of The Nev	3	232.52	54,063.69	95.99	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)	Resulting Weight	Proportional Weight
Smoo to Melvich	Melvich 5	6	117.38	13,778.77	71.69	0.01	<0.001	<0.001
	Strathy 1	11	119.68	14,324.02	71.98	0.01	<0.001	<0.001
South Ronaldsay	Hoxa Head (inland)	1	78.41	6,147.34	78.85	0.01	<0.001	<0.001
	The Altar - Quindry	16	77.71	6,039.00	79	0.01	0.001	<0.001
	Windwick - Burwick	7	71.01	5,042.42	78.46	0.01	<0.001	<0.001
South Walls	-	1	78.36	6,140.13	78.41	0.01	<0.001	<0.001
St. Ninian's Isle	Hich Holm	8	213.20	45,454.67	96.46	0.01	<0.001	<0.001
	St. Ninian's Isle	64	213.41	45,545.11	96.49	0.01	<0.001	<0.001
Stonehaven to Wine Cove	Old Hall Bay - Castle Haven	1	158.05	24,981.07	54.38	0.02	<0.001	<0.001
Stroma	-	260	66.26	4,389.99	76.84	0.01	0.012	0.009
Stronsay	-	1	100.04	10,008.40	84.48	0.01	<0.001	<0.001
Sumburgh Head Quarries	-	20	203.41	41,374.00	96.05	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)	Resulting Weight	Proportional Weight
Sumburgh Head SPA	Grutness Pier to Greystane Geo	1	202.93	41,180.18	96.05	0.01	<0.001	<0.001
	Sumburgh Head	549	201.92	40,772.49	96.01	0.01	0.002	0.002
Sumburgh to Peerie Voe of Spiggie	Burn of Garth to Broad Stack	6	204.07	41,646.20	96.05	0.01	<0.001	<0.001
	Cloki Stack to Peerie Voe	2	211.35	44,668.40	96.34	0.01	<0.001	<0.001
	Colsay	93	211.45	44,710.26	96.39	0.01	<0.001	<0.001
	Kame to Corbie Geo	7	209.37	43,835.80	96.23	0.01	<0.001	<0.001
	Landvillas to Scarfi Taing	86	208.37	43,416.39	96.18	0.01	<0.001	<0.001
	Scarfi Taing to Noup o' Noss	166	208.85	43,619.99	96.2	0.01	0.001	<0.001
	Stack o' da Noup to Kame	79	209.29	43,801.47	96.22	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)	Resulting Weight	Proportional Weight
	Stack of Barons Geo to The Nev	3	205.34	42,163.69	96.08	0.01	<0.001	<0.001
	The Kame to Landvillas	1	207.60	43,097.34	96.15	0.01	<0.001	<0.001
	Whale Stack to Cloki Stack	34	209.90	44,058.01	96.26	0.01	<0.001	<0.001
Switha	-	21	76.56	5,861.43	78.50	0.01	0.001	0.001
Troup, Pennan and Lion's Heads SPA	Pennan Head	21	61.09	3,731.74	64.46	0.02	0.001	0.001
	Troup & Lion's Head RSPB (Coast & Reserve)	9	59.58	3,549.78	63.96	0.02	0.001	<0.001
Walls to Dales	Point of Hus to Hevdigarth	3	236.76	56,055.30	94.5	0.01	<0.001	<0.001
	Quinni Geo to Uskie Geo	4	235.74	55,571.93	94.35	0.01	<0.001	<0.001
West Burra - Shetland	-	2	222.75	49,618.45	94.71	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)	Resulting Weight	Proportional Weight
West Westray SPA	Noup Cliffs RSPB (West Westray 2)	17	134.19	18,006.15	86.02	0.01	<0.001	<0.001
	West Westray 1	1	135.11	18,253.36	86.12	0.01	<0.001	<0.001
	West Westray 5	8	131.11	17,190.62	85.84	0.01	<0.001	<0.001
	West Westray 6	11	129.44	16,753.68	85.65	0.01	<0.001	<0.001
	West Westray 7	1	128.27	16,453.19	85.54	0.01	<0.001	<0.001
Westray - Rapness	-	1,534	125.97	15,868.19	85.82	0.01	0.017	0.013
Westray and adjacent Holms - Tysties	-	56	132.76	17,625.75	86.38	0.01	0.001	<0.001
Yesnaby to Marwick (West Mainland)	Grid Square HY2217	5	109.11	11,904.77	81.58	0.01	<0.001	<0.001
	Grid Square HY2221	2	113.13	12,797.94	81.9	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)	Resulting Weight	Proportional Weight
* Counts from Swann (2016 ²) SNH report.								

2.8

Gannet

2.8.1.1

Table 2-8 provides the gannet breeding season apportioning calculations based on the NatureScot Apportionment methodology (NatureScot, 2018¹).

Table 2-8: 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	9,030	154.43	23,849.86	87.29	0.01	0.070	0.038
	Sule Stack	9,100	155.53	24,190.51	86.89	0.01	0.070	0.038
Fair Isle SPA	-	9,654	160.95	25,904.58	89.33	0.01	0.067	0.037
Forth Islands SPA	-	150,518	261.58	68,422.53	47.71	0.02	0.746	0.408
North Rona and Sula Sgeir SPA	-	28,495	252.74	63,874.98	87.01	0.31	0.083	0.045
Noss SPA	-	24,670	239.53	57,373.18	91.17	0.01	0.076	0.042
Hermaness, Saxa Vord and Valla Field SPA	-	37,478	324.95	105,589.25	94.25	0.01	0.061	0.033
Additional Colonies and Non-designated Sites								
Flamborough and Filey Coast SPA	-	30,466	483.51	233,785.79	53.07	0.02	0.040	0.022

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
Foula SPA	-	4,172	222.47	49,492.01	91.37	0.01	0.015	0.008
Marwick Head SPA	-	58	117.64	13,838.23	86.89	0.01	0.001	<0.001
St Abb's Head to Fast Castle SPA	-	190	273.24	74,660.64	47.58	0.02	0.001	<0.001
Troup, Pennan and Lion's Heads SPA	-	8,752	59.58	3,549.78	69.77	0.01	0.572	0.312
West Westray SPA	-	2,772	134.19	18,006.15	88.21	0.01	0.028	0.015

3 References

¹ NatureScot (2018) 'Interim Guidance on apportioning impacts from marine renewable developments to breeding seabird populations in SPAs'. Available at: <https://www.nature.scot/doc/interim-guidance-apportioning-impacts-marine-renewable-developments-breeding-seabird-populations> (Accessed 26/06/2024)

² Swann, B. (2016) 'East and North Caithness Cliff SPAs monitoring 2013: plot counts and breeding productivity'. Scottish Natural Heritage Commissioned Report No. 622. Available at: <https://www.nature.scot/sites/default/files/Publication%202016%20-%20SNH%20Commissioned%20Report%20622%20-> (Accessed 01/09/2024)

³ Harris, M.P., Heubeck, M., Newell, M.A. and Wanless, S. (2015) 'The need for year-specific correction factors (k values) when converting counts of individual Common Guillemots *Uria aalge* to breeding pairs'. Bird Study 62(2): 276-279

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