



Appendix F.3:
Summary Data of Buchan Ness to
Collieston SPA Seabirds Between 100m and
1000m from HDD Entrance and Exit
Locations



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The following tables relate to the number of AON/AOS/totals within expanding radii from 100m up to 1000m of the following locations:

- a) HDD entrance point; and
- b) HDD marine exit point

This Appendix can be used to help with the HRA and Appropriate Assessment required for the Buchan Ness to Collieston SPA.

HDD entrance point (onshore)

The HDD radii equates to the following sections within the Seabird Survey counts (see Appendix F.2).

Distance from HDD entrance	Sebird count sections
100	2Z
200	2W-3C
300	2S,2U,2V,2W,X,Y,Z, 3A-F
400	2Q-3I
500	2N-3M
750	2I-3P
1000	2E-4B

Month	Fulmar totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	3	1	35	13	68	24	214	77	222	80	255	92	278
February	3	2	8	6	16	12	26	19	75	56	90	67	119	88	135
March	3	1	9	4	34	14	57	24	147	62	172	73	215	91	236
April	6	2	16	6	49	17	79	27	193	67	211	73	254	88	288
May	4	2	6	3	21	10	39	18	122	56	151	70	191	88	217
June	5	2	10	4	33	13	68	27	162	63	183	71	216	84	256
July	8	6	12	9	30	23	53	41	74	57	86	66	110	85	130
August	1	2	1	2	7	14	11	22	36	73	40	82	46	94	49
September	0	0	0	0	2	9	4	18	15	68	17	77	19	86	22
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
December	1	1	1	1	11	8	32	22	107	74	127	88	136	94	144

Month	Guillemot totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	230	7	865	28	975	32	2890	93	2935	95	3085	100	3091
February	0	0	412	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	524	8	2007	32	2297	37	4683	75	4873	78	5989	96	6219
April	0	0	352	8	1569	35	1772	39	3456	76	3498	77	4406	97	4541
May	0	0	422	8	1720	33	1991	38	4336	82	4414	84	5137	97	5271
June	0	0	482	8	1836	30	2035	33	4999	82	5137	84	5895	97	6091
July	0	0	2	0	1917	36	2062	39	4171	79	4271	81	5109	97	5264
August	0	0	0	0	5	56	6	67	8	89	8	89	9	100	9
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	64	100	64	100	64	100	64

Month	Razorbill totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	24	7	77	23	87	26	169	51	187	56	325	97	334
April	0	0	145	22	268	41	280	43	425	65	444	68	604	93	649
May	0	0	194	20	346	36	388	41	538	56	576	60	844	88	954
June	0	0	185	16	307	27	345	30	578	51	668	59	1020	90	1139
July	0	0	182	16	397	35	419	36	644	56	720	63	1044	91	1148
August	0	0	0	0	0	0	0	0	0	0	0	0	2	100	2
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	Kittiwake totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	81	10	185	24	201	26	479	61	562	72	670	86	783
April	0	0	88	7	255	21	272	23	693	58	856	72	946	80	1186
May	0	0	176	9	426	21	488	24	1324	66	1561	78	1818	91	2000
June	0	0	153	8	482	24	572	29	1315	66	1478	74	1728	86	2001
July	0	0	186	9	525	24	594	27	1360	62	1577	72	1873	86	2179
August	0	0	145	8	395	22	440	25	988	55	1192	67	1469	83	1780
September	0	0	0	0	0	0	0	0	3	0	3	0	3	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	Herring Gull totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	16	19	24	28	27	32	60	71	61	72	78	92	85
March	4	2	61	26	121	52	130	56	171	74	202	87	231	100	232
April	0	0	21	17	42	35	53	44	76	63	85	70	115	95	121
May	0	0	42	20	83	40	102	50	131	64	166	81	200	97	206
June	0	0	48	21	88	38	106	46	155	67	176	77	221	96	230
July	2	2	4	4	34	37	50	54	78	85	88	96	92	100	92
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	European Shag totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	9	36	13	52	13	52	16	64	21	84	24	96	25
April	0	0	14	38	22	59	22	59	26	70	28	76	36	97	37
May	0	0	12	21	17	30	18	32	30	53	39	68	53	93	57
June	0	0	19	24	30	38	31	39	48	60	57	71	72	90	80
July	0	0	4	9	13	30	13	30	21	49	23	53	37	86	43
August	0	0	0	0	2	15	2	15	6	46	9	69	11	85	13
September	0	0	0	0	0	0	0	0	0	0	2	100	2	100	2
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HDD marine exit

The HDD radii equates to the following sections within the Seabird Survey counts (see Appendix F.2).

Distance from HDD exit	Sebird count sections
100	none
200	3A,3B
300	2X,2Y,3A,3B,3D-3H
400	2V-2Y,3A-3J
500	2T-3J
750	2H-3N
1000	2D-3R

Month	Fulmar totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	12	4	13	5	29	10	222	80	260	94	278
February	0	0	0	0	5	4	6	4	17	13	83	61	111	82	135
March	0	0	0	0	7	3	9	4	24	10	164	69	194	82	236
April	0	0	1	0	16	6	17	6	41	14	210	73	244	85	288
May	0	0	0	0	3	1	5	2	18	8	136	63	178	82	217
June	0	0	0	0	11	4	11	4	30	12	170	66	204	80	256
July	0	0	0	0	12	9	12	9	29	22	92	71	113	87	130
August	0	0	0	0	0	0	0	0	4	8	41	84	47	96	49
September	0	0	0	0	1	5	1	5	3	14	16	73	18	82	22
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
December	0	0	0	0	3	2	3	2	4	3	120	83	135	94	144

Month	Guillemot totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	230	7	319	10	839	27	887	29	2910	94	3085	99	3091
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	412	7	1042	17	2117	34	2217	36	4823	78	5199	84	6219
April	0	0	524	12	949	21	1674	37	1746	38	3496	77	3756	83	4541
May	0	0	352	7	870	17	1820	35	1911	36	4389	83	4659	88	5271
June	0	0	422	7	925	15	1875	31	1952	32	5135	84	5375	88	6091
July	0	0	482	9	869	17	1829	35	1928	37	4266	81	4582	87	5264
August	0	0	2	22	4	44	4	44	4	44	8	89	8	89	9
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	64	100	64	100	64

Month	Razorbill totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	16	5	54	16	83	25	87	26	176	53	255	76	334
April	0	0	105	16	162	25	251	39	280	43	441	68	610	94	649
May	0	0	104	11	228	24	367	38	388	41	578	61	744	78	954
June	0	0	108	9	182	16	303	27	326	29	661	58	925	81	1139
July	0	0	118	10	249	22	365	32	408	36	709	62	915	80	1148
August	0	0	0	0	0	0	0	0	0	0	0	0	2	100	2
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	Kittiwake totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	41	5	133.5	17	171.5	22	173.5	22	564	72	669	85	783
April	0	0	26.5	2	176	15	219.5	19	232.5	20	869	73	1026	87	1186
May	0	0	76	4	316	16	413.5	21	444	22	1564.5	78	1807.5	90	2000
June	0	0	25	1	353.5	18	505	25	537	27	1478.5	74	1654	83	2001
July	0	0	92	4	380.5	17	506.5	23	543	25	1588.5	73	1864.5	86	2179
August	0	0	66	4	263	15	360.5	20	393.5	22	1207.5	68	1448	81	1780
September	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	Herring Gull totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	14	16	14	16	29	34	29	34	60	71	66	78	85
March	0	0	31	13	59	25	107	46	124	53	173	75	209	90	232
April	0	0	12	10	22	18	40	33	46	38	77	64	95	79	121
May	0	0	26	13	43	21	73	35	92	45	136	66	174	84	206
June	0	0	30	13	50	22	81	35	97	42	159	69	194	84	230
July	0	0	2	2	9	10	30	33	48	52	88	96	92	100	92
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Month	European Shag totals														Total AON whole survey area
	100	% of total	200	% of total	300	% of total	400	% of total	500	% of total	750	% of total	1000	% of total	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	7	28	14	56	11	44	11	44	16	64	24	96	25
April	0	0	10	27	15	41	18	49	20	54	27	73	32	86	37
May	0	0	12	21	21	37	16	28	17	30	34	60	48	84	57
June	0	0	14	18	9	11	30	38	33	41	53	66	68	85	80
July	0	0	4	9	2	5	9	21	10	23	32	74	38	88	43
August	0	0	0	0	0	0	2	15	2	15	7	54	10	77	13
September	0	0	0	0	0	0	0	0	0	0	0	0	2	100	2
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0