

FORTH & TAY SEABIRD POPULATION COUNTS - Updated Appendix A(ii) - Forth and Tay Scoping Opinions – November 2017

Table 4a. Most recent population counts for the key seabirds and SPAs of relevance to the Forth and Tay offshore wind farm reassessments – gannet, kittiwake, herring gull and puffin.

Species	SPAs	SPA citation population	P/I	SNH/JNCC 2014 advice: SPA counts	P/I	SNH/JNCC 2014 advice: dates of counts	Most recent counts	P/I	Dates of most recent counts
Gannet	Forth Islands	21,600	P	55,482 [§]	P	2009	75,259	P	2014
Kittiwake	Buchan Ness / Collieston Coast ~	30,452	P	12,542 [§]	P	2007	11,482	P	2017
	Forth Islands	8,400	P	3,776 [§]	P	2012	4,663	P	2017
	Fowlsheugh	36,650	P	9,337 [§]	P	2012	9,655	P	2015
	St. Abb's Head to Fast Castle	21,170	P	6,317 [§]	P	<i>Trend applied</i>	2,779	P	2016
	St Abb's Head NNR	13670	P	4314	P	2012	4,803	P	2017
Herring Gull	Buchan Ness / Collieston Coast ~	4,292	P	3,079 [§]	P	2007	3,115	P	2017
	Forth Islands*	6,600	P	5,027 [§]	P	2002	6,580	P	2014-2017
	Fowlsheugh	3,190	P	259 [§]	P	2012	125	P	2015
	St. Abb's Head to Fast Castle	1,160	P	356 [§]	P	<i>Trend applied</i>	325	P	2016
	St Abb's Head NNR	398	P	266	P	2012	197	P	2016
Puffin	Forth Islands	14,000	P	50,282	P	2009	45,005	P	2009-2017

* Please be aware that herring gull at Forth Islands SPA and fulmar at Forth Islands SPA and Fowlsheugh SPA may not qualify as designated interests.

~ Buchan Ness / Collieston Coast counted 2016-17.

§ Our 2014 advice used number of individuals – converted to pairs (0.5*individuals) for consistency.

Table 4b. Most recent population counts for the key seabirds and SPAs of relevance to the Forth and Tay offshore wind farm reassessments – Guillemot and Razorbill.

Species	SPAs	SPA citation population	P/I	SNH/JNCC 2014 advice: SPA counts	P/I	SNH/JNCC 2014 advice: dates of counts	Most recent counts	P/I	Dates of most recent counts	SNH / JNCC 2014 advice: SPA counts	Date - Unit	Most recent Counts	Date - Unit
Guillemot**	Buchan Ness / Collieston Coast	17280 ^a	I	25,857	Converted Pairs	2007	45,067	Converted Pairs	2017	19,296	2007-I	33,632	2016/17 - I
	Forth Islands [§]	8000 ^a	I	29,169	Converted Pairs	2011	38,573	Converted Pairs	2017	21,768	2011 - I	28,786	2017 - I
	Fowlsheugh	56,450	I	60,193	Converted Pairs	2012	74,379	Converted Pairs	2015	44,920	2012 - I	55,507	2015 - I
	St. Abb's Head to Fast Castle	31,750	I	58,617	Converted Pairs	1998/2000 ***	48,516	Converted Pairs	2016	43,744	2000 - I	36,206	2016 - I
	St Abb's Head NNR			54,565	Converted Pairs	2000	45,060	Converted Pairs	2016	40,720	2000 - I	33,627	2016 - I
Razorbill**	Forth Islands [§]	2,800 ^a	I	4,649	Converted Pairs	2011	7,792	Converted Pairs	2017	4649	2011 - I	5815	2017 - I
	Fowlsheugh	5,800	I	7,048	Converted Pairs	2012	7,426 / 9,950	Converted Pairs	2015	5,260	2012 - I	7,426	2015 - I
	St. Abb's Head to Fast Castle	2,180	I	4,230	Converted Pairs	2000	2,770	Converted Pairs	2016	3,157	2000-I	2,067	2016 - I
	St Abb's Head NNR			2,967	Converted Pairs	2000	2,290	Converted Pairs	2016	2,214	2000-I	1,709	2016 - I

~ Buchan Ness / Collieston Coast counted 2016/17.

** For guillemot and razorbill the counts were converted to 'individuals on land equivalent' then corrected using (x 1.34) to give total breeding adults in population. While we acknowledge this correction factor may need review (as per Harris et al. 2015. *Bird Study*. 62, 276-279.), discussions on this are ongoing and we are not in a position to agree an updated correction factor at this time.

*** Best available estimate at the time of our 2014 advice.

^a The SPA citation uses number of pairs – so converted to number of individuals (2*pairs) for consistency.

[§] Forth Island counts for 2017 came from CEH but were not available on SMP at the time of circulation to double check whether the counts provided were Individuals or pairs. They were treated as Individual counts in the far right two columns and converted in the middle columns.