



MacArthur
Green



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Approved

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Limited

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West of Orkney Windfarm

Offshore Ornithology Supplementary Environmental Information

Annex 3B. CRM input parameters from NatureScot March 2024

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ANNEX 3B. CRM INPUT PARAMETERS FROM NATURESCOT MARCH 2024**Table 1. Recommended CRM input data provided by NatureScot on 4th June 2024.**

species	length mean	Length sd	wingspan mean	wingspan sd	speed mean	Speed sd	NAF mean	Naf sd	Band AR	Mean AR sCRM Option 2 ("Basic Avoidance" in shiny app)	SD AR sCRM Option 2	Gliding	% upwind
Gannet	0.94	0.0325	1.72	0.0375	14.9	0	0.08	0.1	0.9924	0.9928	0.0003	Y	50
Great black-backed gull	0.71	0.035	1.58	0.0375	13.7	1.2	0.5	0	0.9936	0.9939	0.0004	N	50
Kittiwake	0.39	0.005	1.08	0.0625	13.1	0.4	0.5	0	0.9924	0.9928	0.0003	N	50
Great skua	0.56	0.0375	1.5 1.36	0.025 0.04	14.9	1.825	0	0	0.9902	0.9907	0.0004	N	50
Arctic tern	0.34	0.005	0.8	0.025	10.9 10.9	3.4 0.9	0.125	0	0.9902	0.9907	0.0004	N	50

NatureScot advise the following:

1. All values in **green** we accept. These are based on current guidance via either Guidance Note 7 and/or our 27 March 2024 advice, by letter to the Project.
2. All values in **purple** we accept. To note these are likely to change based on Cook (2023) but for the purpose of the West of Orkney SEI we are content with these values being used. These should be referenced.
3. All values in **blue** we accept but these require clear referencing.
4. The **red values**, should be used for great skua wingspan mean and SD. This is to reflect values in Snow & Perrins (1987).
5. Based on agreement this morning, the values in **orange** will change to **10.9** and **0.9** based on Pennycuik (1997).