LLŶR FLOATING OFFSHORE WIND PROJECT

Llŷr 1 Floating Offshore Wind Farm

Environmental Statement

Appendix 21A: Annex A – Additional Model-Based Maps

August 2024

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FLOVENTIS ENERGY

Document Status

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Approval for Issue

Prepared by	HiDef Aerial Surveying Ltd
Prepared for	Llŷr Floating Wind Limited
Approved by	Jay Hilton-Miller

Glossary of project terms

Term	Definition
The Applicant	The developer of the Project, Llŷr Floating Wind Limited
Array	All wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure within the Array Area, as defined, when considered collectively, excluding the offshore export cable(s).
Array Area	The area within which the wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure will be located
Floventis Energy	The company developing the proposed Project, a joint venture between Cierco Ltd and SBM Offshore Ltd
Landfall	The location where the offshore export cable(s) from the Array Area, as defined, are brought onshore and connected to the onshore export cables (as defined) via the transition joint bays (TJB).
Llŷr 1	The proposed Project, for which the Applicant is applying for Section 36 and Marine Licence consents. Including all offshore and onshore infrastructure and activities, and all project phases.
Marine Licence	A licence required under the Marine and Coastal Access Act 2009 for marine works which is administered by Natural Resources Wales (NRW) Marine Licensing Team (MLT) on behalf of the Welsh Ministers.
Offshore Development Area	The footprint of the offshore infrastructure and associated temporary works, comprised of the Array Area and the Offshore Export Cable Corridor, as defined, that forms the offshore boundary for the S36 Consent and Marine Licence application
Offshore Export Cable	The cable(s) that transmit electricity produced by the WTGs to landfall.
Offshore Export Cable Corridor (OfECC)	The area within which the offshore export cable circuit(s) will be located, from the Array Area to the Landfall.
Onshore Development Area	The footprint of the onshore infrastructure and associated temporary works, comprised of the Onshore Export Cable Corridor and the Onshore Substation, as defined, and including new access routes and visibility splays, that forms the onshore boundary for the planning application.
Onshore Export Cable(s)	The cable(s) that transmit electricity from the landfall to the onshore substation
Onshore Export Cable Corridor (OnECC)	The area within which the onshore export cable circuit(s) will be located.
proposed Project	All aspects of the Llŷr 1 development (i.e. the onshore and offshore components).
Onshore Substation	Located within the Onshore Development Area, converts high voltage generated electricity into low voltage electricity that can be used for the grid and domestic consumption.

Term	Definition
Section 36 consent	Consent to construct and operate an offshore generating station, under Section 36 (S.36) of the Electricity Act 1989. This includes deemed planning permission for onshore works.

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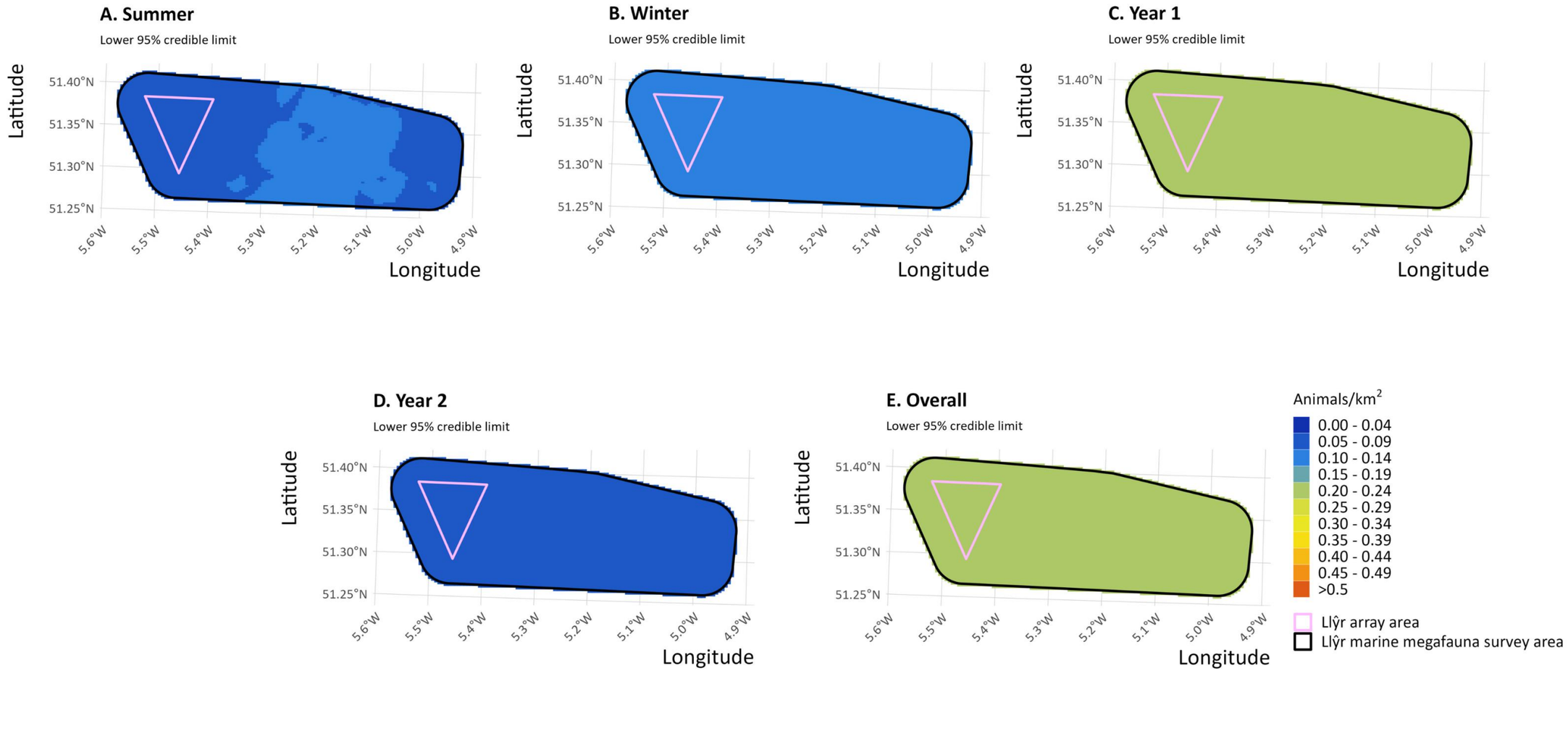
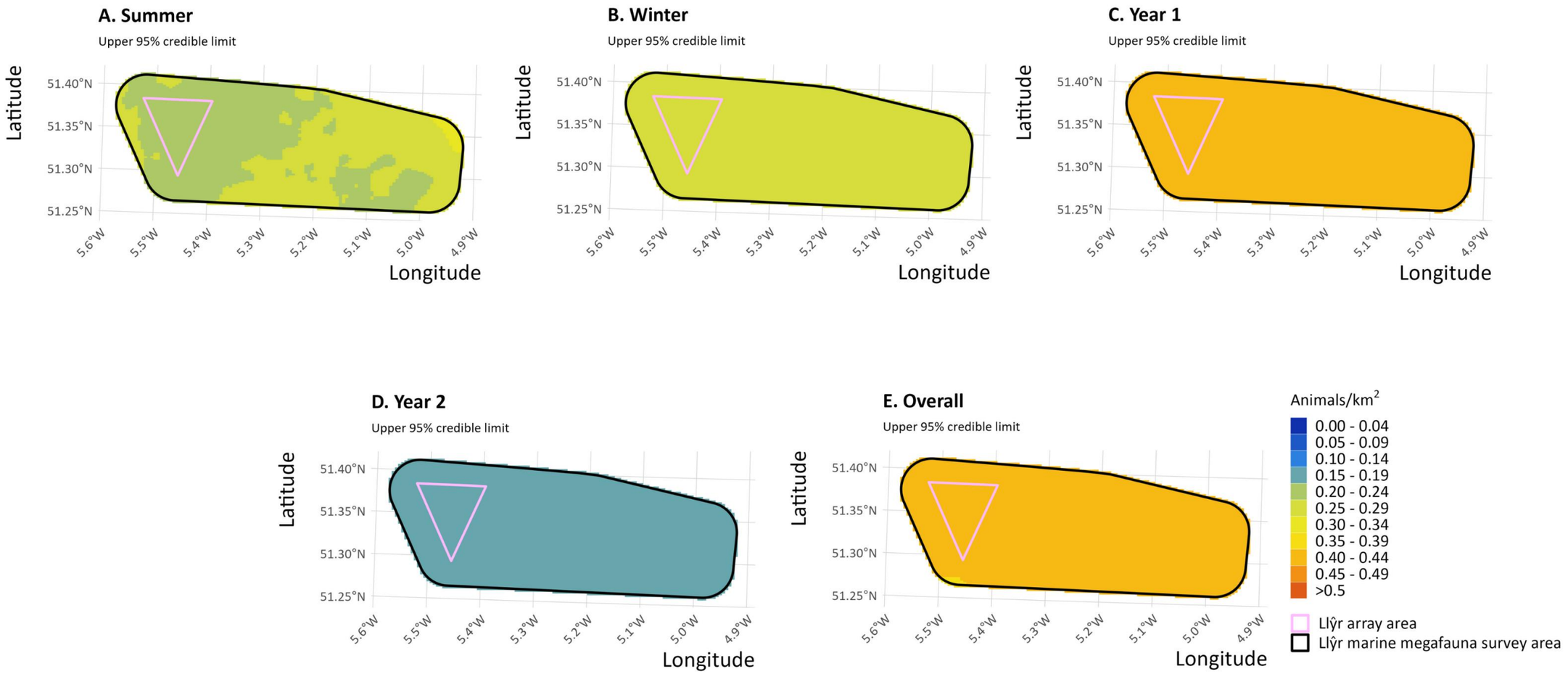
21-A ANNEX A – ADDITIONAL MODEL-BASED MAPS

1. This **Annex A** to the **Appendix 21A: Marine Mammal and Megafauna Baseline** presents the model-based estimates maps for harbour porpoise and common dolphin recorded within the Llŷr marine megafauna survey area.
2. Model-based densities were corrected for availability bias and apportioned to account for unidentified animals (see detailed methodology in **Appendix 21A**).

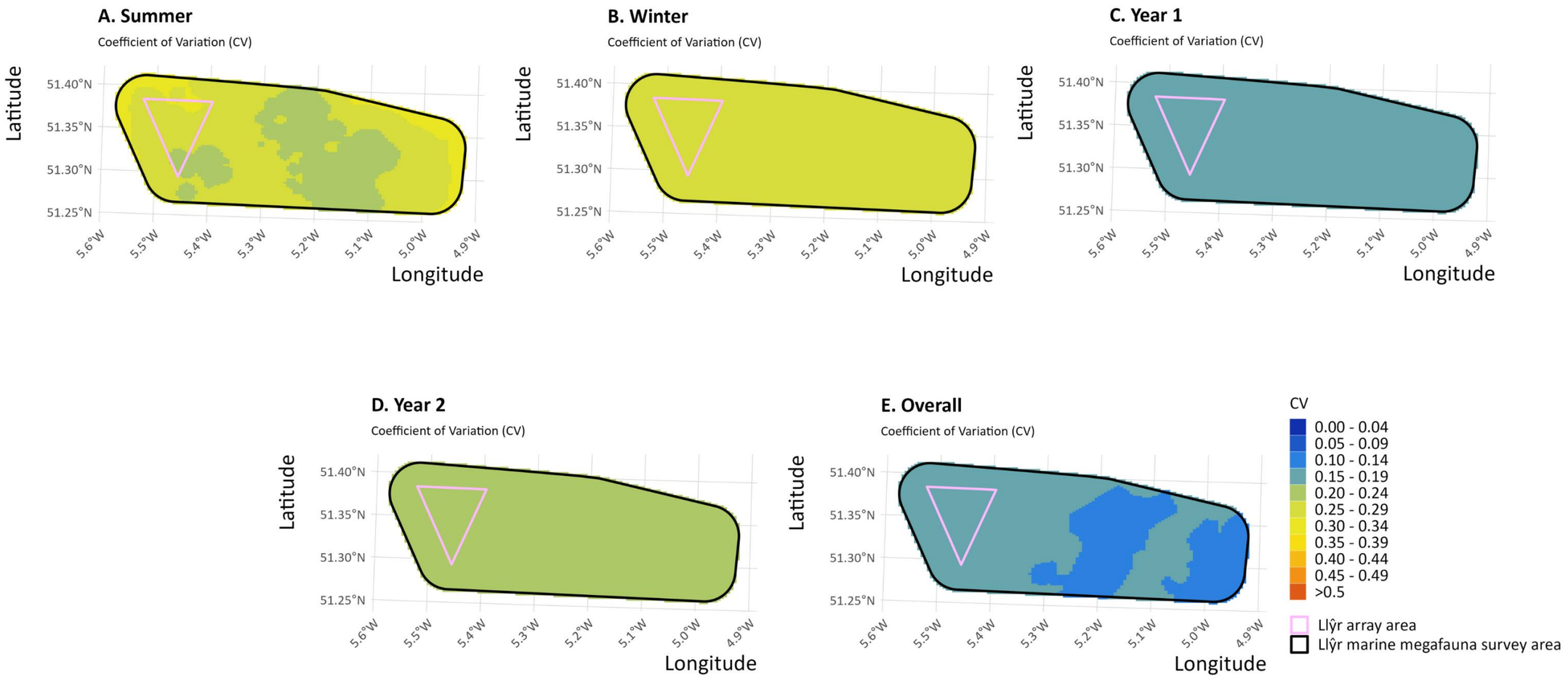
21.1 Harbour Porpoise



Annex A Figure 21-1. Lower credible limit model-based density surfaces for harbour porpoise in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)

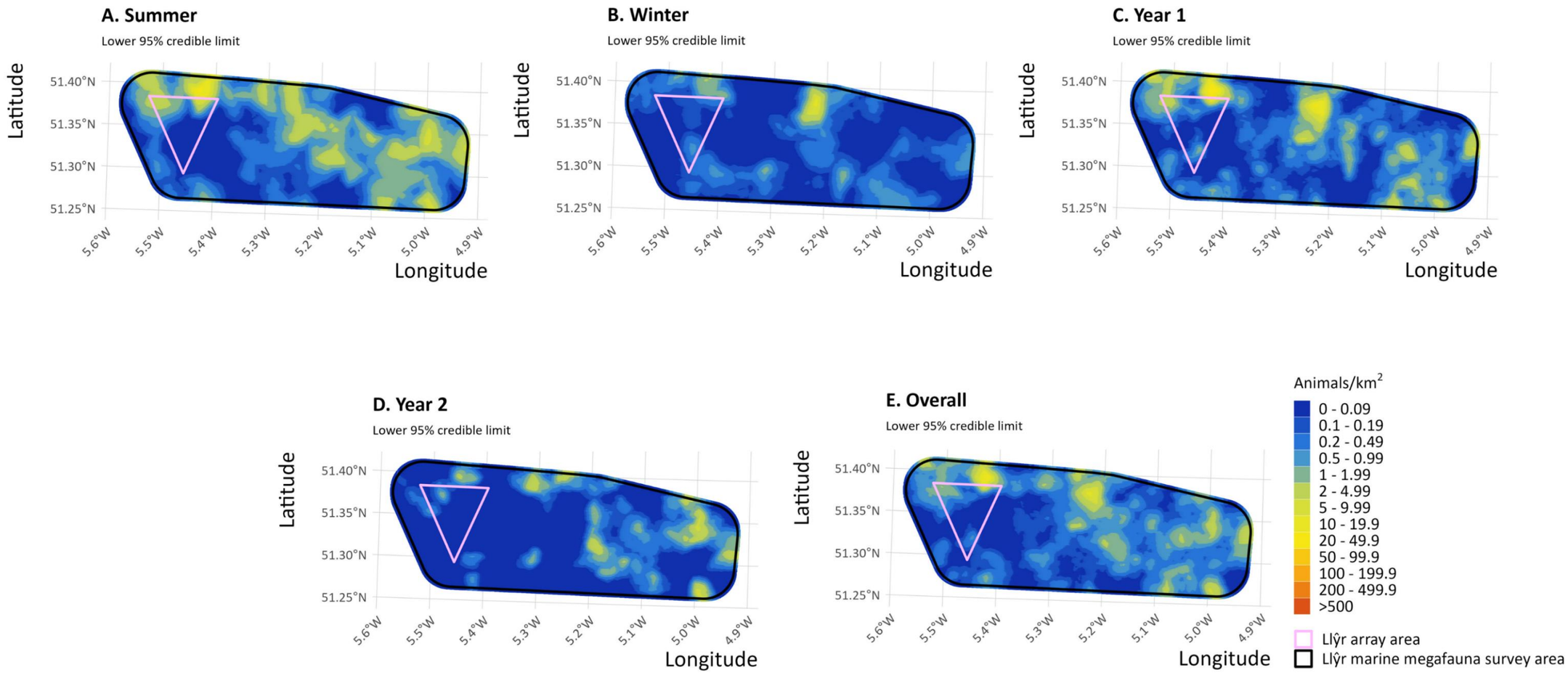


Annex A Figure 21-2. Upper credible limit model-based density surfaces for harbour porpoise in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)

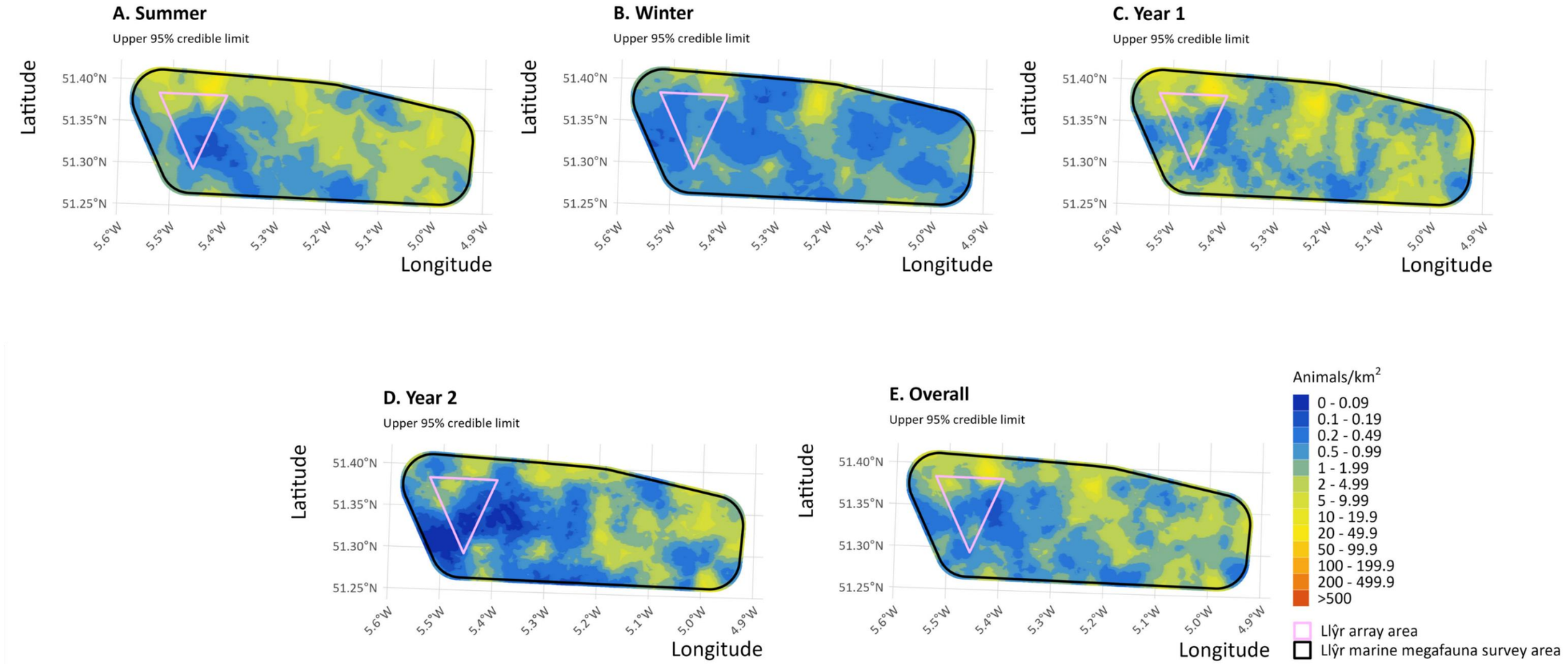


Annex A Figure 21-3. Coefficient of variation model-based density surfaces for harbour porpoise in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)

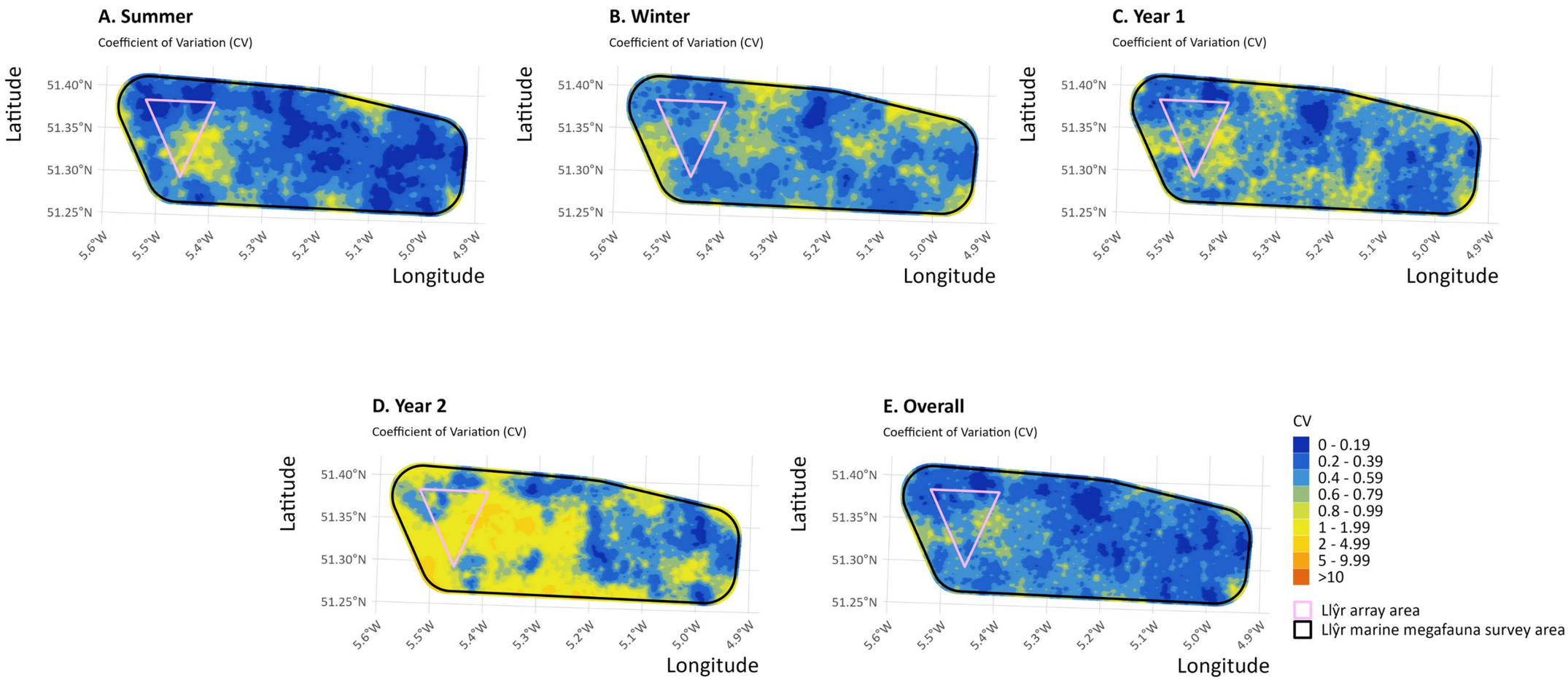
21.1. Common Dolphin



Annex A Figure 21-4. Lower credible limit model-based density surfaces for common dolphins in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)



Annex A Figure 21-5. Upper credible limit model-based density surfaces for common dolphins in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)



Annex A Figure 21-6. Coefficient of variation model-based density surfaces for common dolphins in the Llŷr marine megafauna survey area during the summer (A), winter (B), Year 1 (C), Year 2 (D) and full survey period (E)