

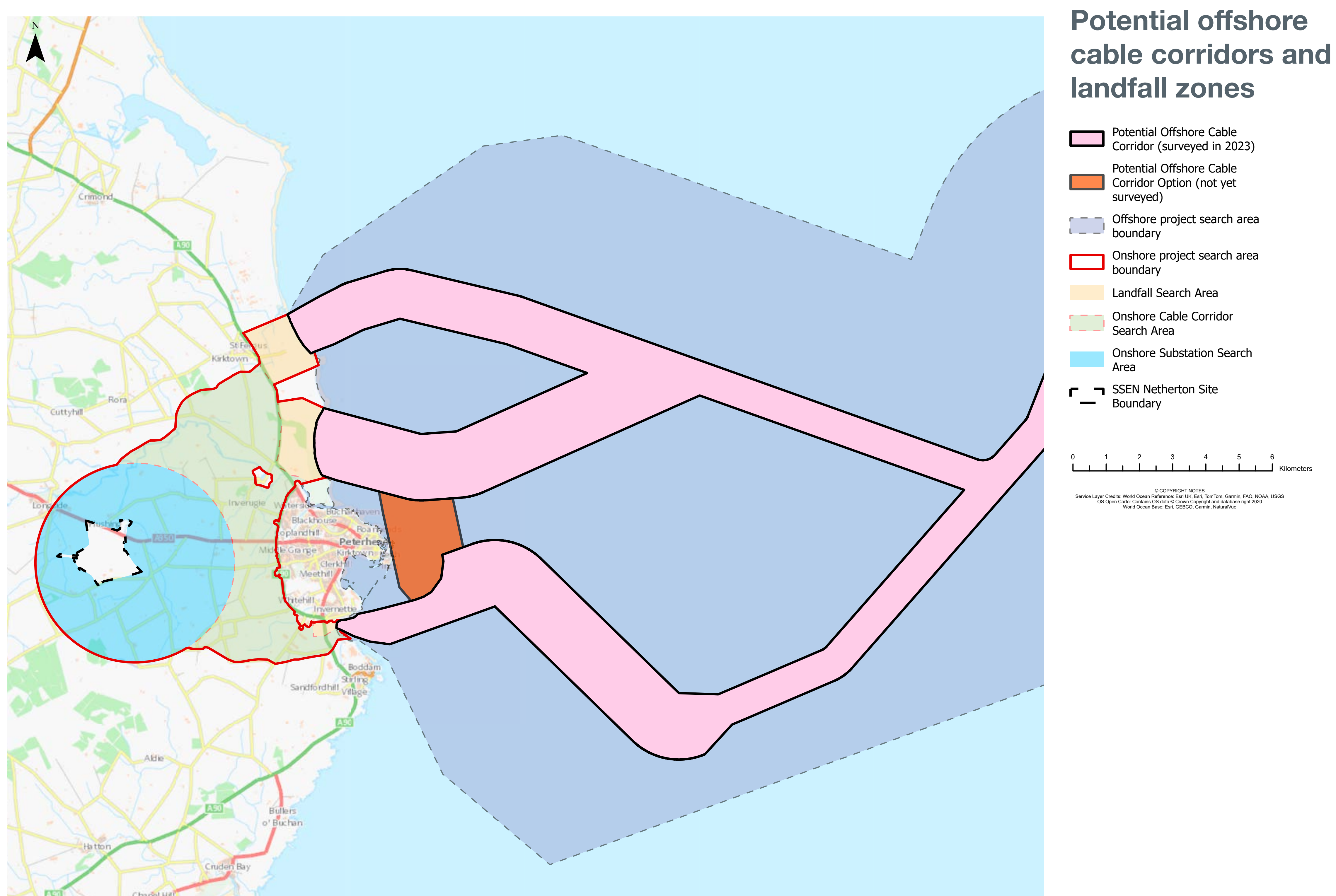
Offshore Project Overview

The offshore windfarm site

The windfarm site covers an area of 684km². The water depths in this area range between 87m and 134m.

The cable corridor

We have identified an offshore cable corridor, within which the final cable route will be located. While this cable corridor is currently 1-2km wide along most of its length, the final cable route will be much narrower. The cable route will connect from the windfarm site to the chosen landfall location(s).



Cable corridor route selection and surveys

We are undertaking surveys to determine the final offshore cable route and sites for infrastructure. There may be multiple cable route branches (shown in light pink on the map) depending on which and how many landfall locations are chosen. An nearshore route option has also been identified (shown in orange) for design flexibility in an area where offshore constraints limit accessibility of some of the landfall locations. The number of landfall locations required will depend on the transmission technology selected and the associated number of cables required to transmit the electricity to land, as well as land availability. This will be determined as we work towards a final design.

Different constraints considered when planning the offshore cable route include local wildlife, natural habitats, geology, commercial fishing and shipping activities.

Surveys have been conducted along the cable corridor to understand the seabed conditions and marine habitats. The data is currently being analysed and will help identify any local sensitivities, with further information being presented in the EIA.

Landfall locations

An initial search area for the landfall site(s) extended from Troup Head to Black Dog Beach, providing various options while minimising the cable corridor length and reducing potential environmental effects and technical issues. Constraints at the landfall location options were assessed and key environmental and technical information reviewed to refine the search area and avoid sensitive areas, such as residential and ecological habitats. Following confirmation of the onshore grid connection point to SSN's Netherton Hub substation, environmental and technical appraisals were undertaken, enabling us to narrow down three potential landfall sites:

- Scotstown Beach, north of Peterhead
- Lunderton, north of Peterhead
- Sandford Bay, south of Peterhead

It is possible that more than one landfall location will be taken forward as the project must ensure there is adequate space for the cables to be brought ashore and for the onshore infrastructure required for the onward power transmission, such as construction compounds. Within the chosen landfall location(s), a more refined landfall site will be identified where the offshore cables come onshore. This will depend on engineering and environmental considerations and technical surveys, stakeholder engagement, the location of other developments, the cable route itself and the onshore substation location.