



Sunrise Wind Offshore Wind Farm

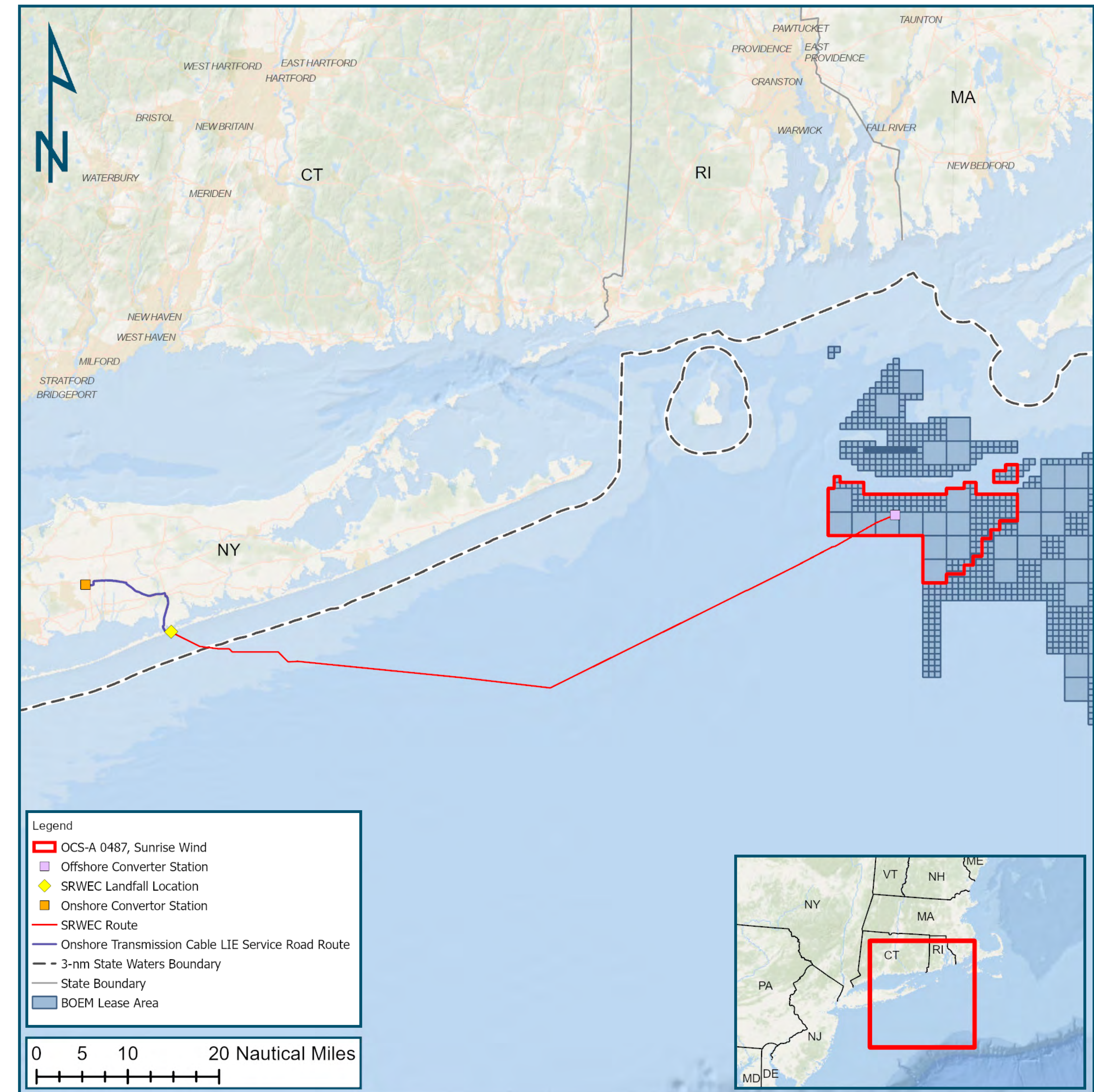
Alternatives

Alternative A: No Action Alternative

Under the No Action Alternative, BOEM would not approve the COP. Construction and installation, O&M, and conceptual decommissioning would not occur, and no additional permits or authorizations for the Project would be required.

Alternative B: Proposed Action

Under Alternative B, the construction, O&M, and conceptual decommissioning of up to a 1,034-MW wind energy facility consisting of up to 94 wind turbine generators (WTGs) within 102 potential positions, one offshore converter station (OCS-DC), and inter-array cables linking the individual WTGs to the OCS-DC would be developed in the lease area. The lease area is approximately 16.4 nm (18.9 miles, 30.4 km) south of Martha’s Vineyard, Massachusetts; approximately 26.5 nm (30.5 miles, 48.1 km) east of Montauk, New York; and approximately 14.5 nm (16.7 miles, 26.8 km) from Block Island, Rhode Island. An export cable would convey energy produced from the wind farm to the onshore transmission cable systems which would eventually connect to the onshore converter station in the Town of Brookhaven, Long Island, New York at the existing Union Avenue Site. Development of the wind energy facility would occur within the range of design parameters outlined in the COP (Sunrise Wind 2022), subject to applicable mitigation measures.



Sunrise Wind Project Area

Sources

BOEM, Esri, GEBCO, DeLorme, NaturalVue, USGS, USCG, Orsted



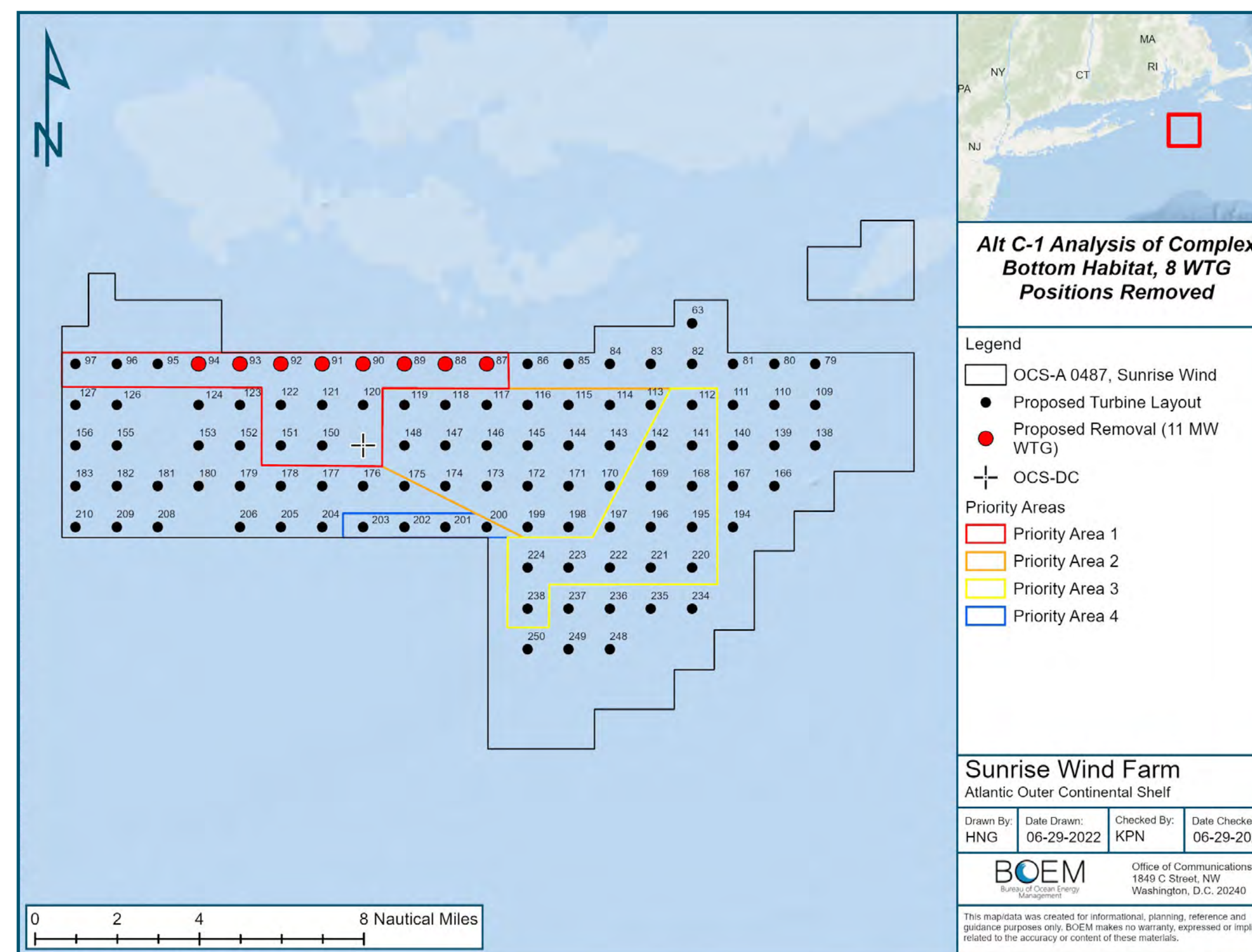


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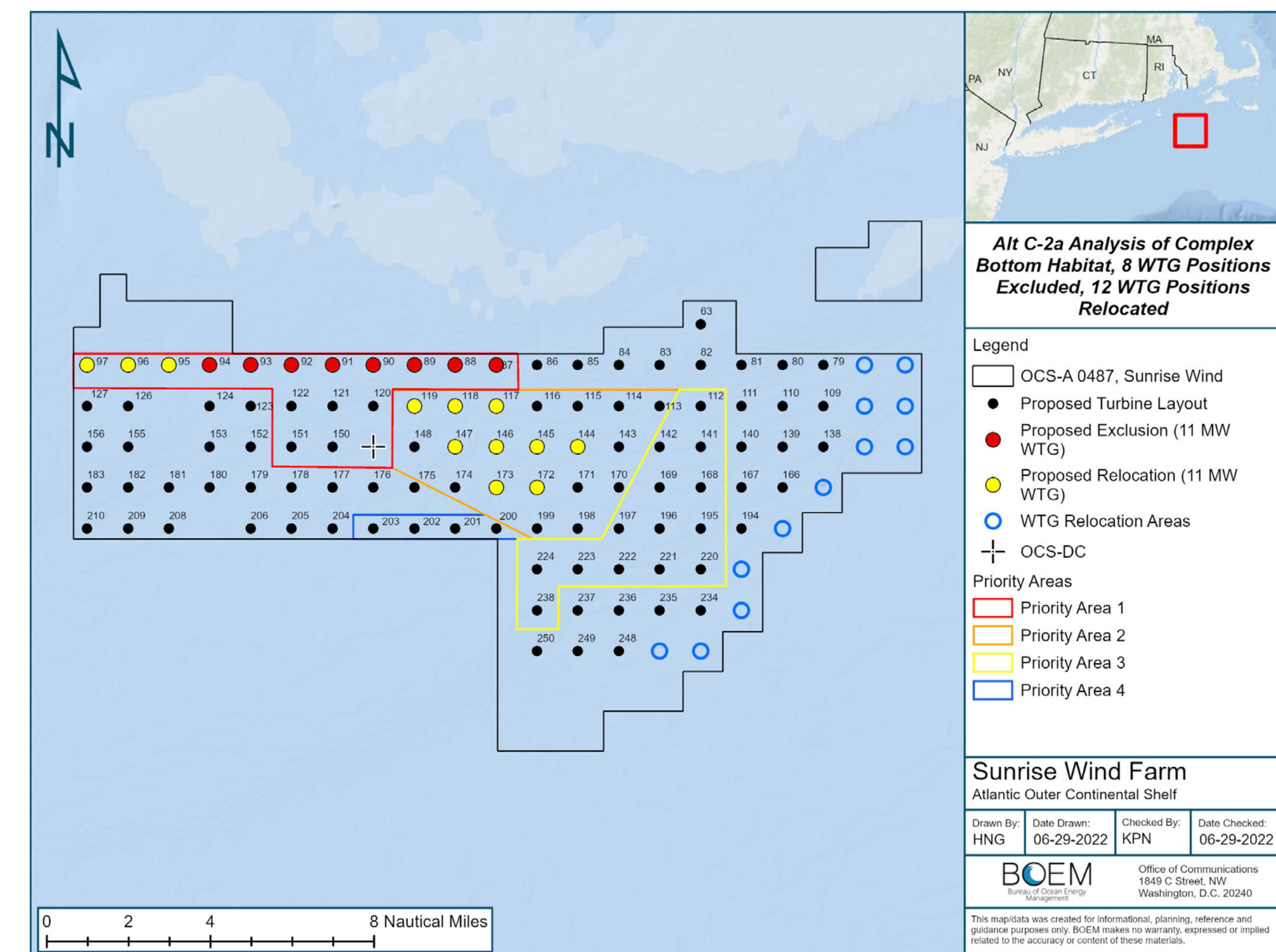
Alternative C: Fisheries Habitat Impact Minimization

Under Alternative C, the construction, O&M, and eventual decommissioning of up to a 1,034-MW wind energy facility consisting of up to 94 WTGs within 102 potential positions, one OCS–DC, and inter-array cables linking the individual WTGs to the OCS-DC would be developed in the Lease Area. Development of the wind energy area would occur within the range of the design parameters outlined in the COP, subject to applicable mitigation measures. However, this alternative considers and prioritizes contiguous areas of complex bottom habitat to be excluded from development to potentially avoid and/or minimize impacts to complex fisheries habitats, while still meeting BOEM’s purpose and need for the project. Areas for prioritization were identified by NMFS on May 2, 2022, based upon recent, preliminary data of Atlantic cod spawning activity in the vicinity of the Project Area. Priority Area 1 was deemed the higher priority by NMFS due to close proximity to Cox Ledge. Each of the sub-alternatives outlines below may be individually selected or combined with any or all other alternatives or sub-alternatives, subject to the combination meeting the purpose and need.

Alternative C-1



Alternative C-2a



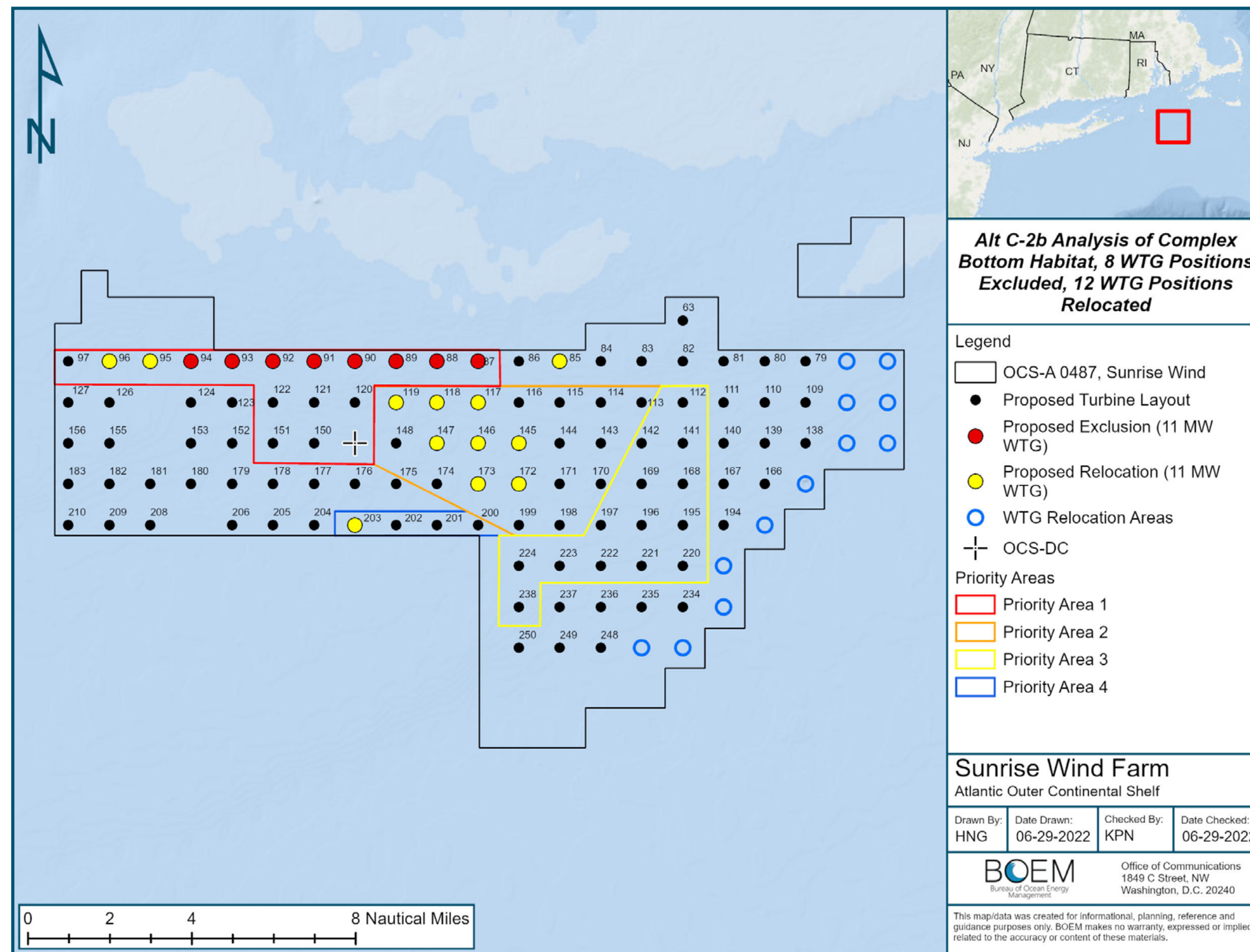
A total of 94 WTGs would be developed under this alternative that prioritizes excluding WTG positions from the priority areas identified by National Marine Fisheries Service (NMFS). This alternative would result in the exclusion of up to 8 WTG positions from development within the identified priority areas.

Alternative C-2a prioritizes excluding 8 WTG positions and relocating 3 WTG position along the northern section of Priority Area 1 to maintain continuous habitat, and then excludes the remaining 9 WTG positions from areas with the highest boulder densities in Priority Area 2.



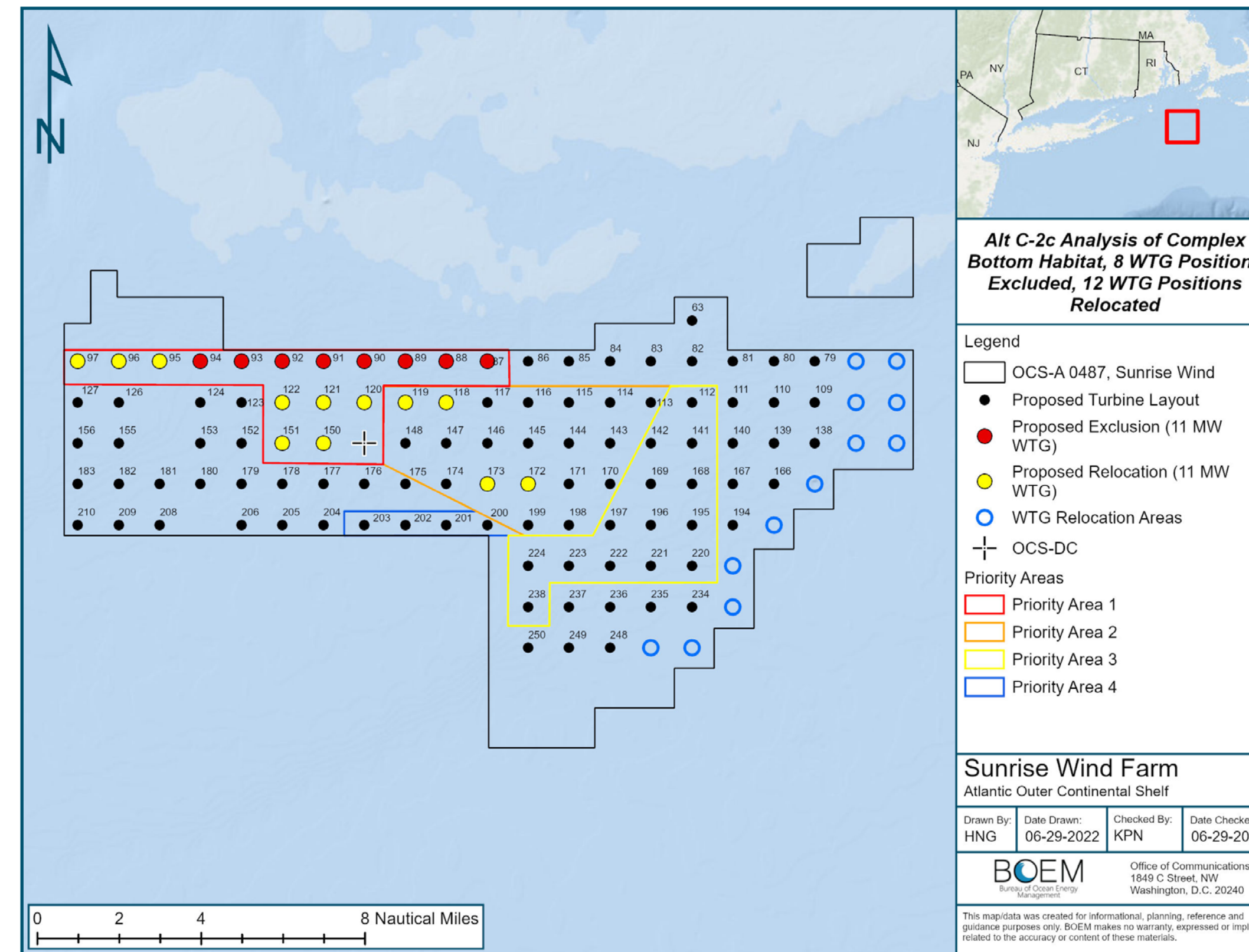
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Alternative C-2b



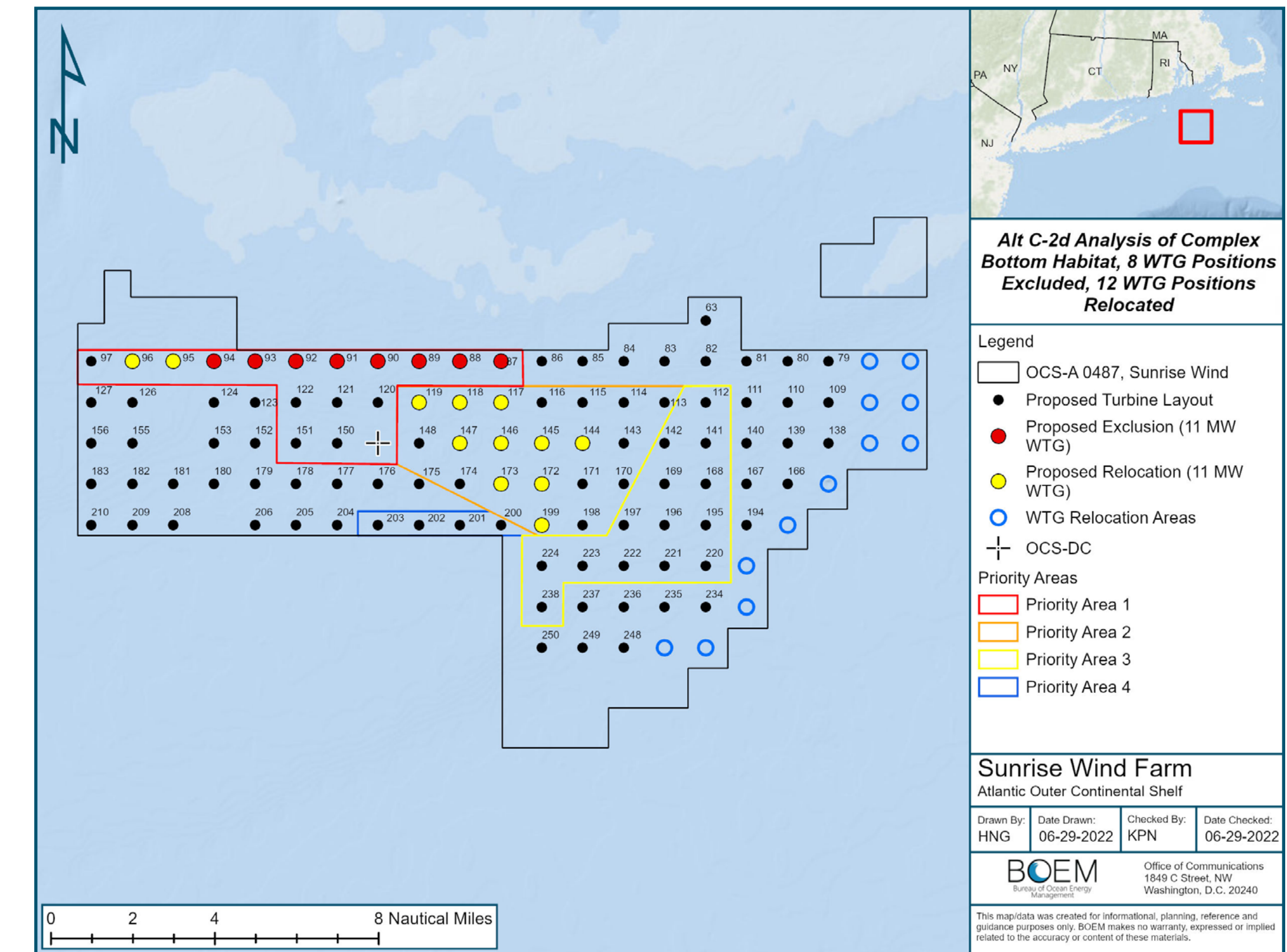
In Alternative C-2b, WTG positions would be excluded within Priority Area 1 where boulders are present, then Priority Areas would be disregarded and WTG positions within the remaining portion of the lease area with the highest densities of boulders would be excluded. This results in 8 WTG positions excluded and 2 WTG positions relocated from Priority Area 1, 8 WTG positions relocated from Priority Area 2, and then the 1 WTG position relocated from Priority Area 4. Additionally, 1 WTG position outside of a Priority Area with a higher density of boulders would be relocated to the eastern portion of the lease area.

Alternative C-2c



Alternative C-2c would exclude/relocate all 16 WTG positions from Priority Area 1 and then relocate an additional 4 WTG positions with the highest boulder densities from Priority Area 2.

Alternative C-2d



Alternative C-2d identifies the WTG positions with the highest boulder density within Priority Area 1 and excludes/relocates them to the eastern portion of the lease area. Once all WTG positions with boulders in Priority Area 1 were identified for removal/relocation, the analysis moved to Priority Area 2. The remaining 9 WTG positions with the highest boulder densities were identified for removal.