

New York Bight Draft Programmatic Environmental Impact Statement

Seascape, Landscape, and Visual Impact Assessment (SLVIA) Viewshed and Impact Levels

Offshore and Onshore Key Observation Points ¹	1,312-Foot WTG Impact by Lease Area					
	OCS-A 0537	OCS-A 0538	OCS-A 0539	OCS-A 0541	OCS-A 0542	OCS-A 0544
KOP-02 Lucy the Elephant	--	--	--	--	--	--
KOP-03 John Stafford Hall-Boardwalk ²	--	--	--	--	--	--
KOP-04 John Stafford Hall-Beach Entrance	--	--	--	--	--	--
KOP-05 Jim Whelan Hall-Balcony	--	--	--	--	--	--
KOP-06 Atlantic City Boardwalk-Ocean Casino Boardwalk View ²	--	--	--	--	--	--
KOP-07 Atlantic City Boardwalk-Top of Ocean Casino ²⁺	--	--	--	--	--	--
KOP-08A Beach Haven - Daytime	--	--	--	Moderate / VR-3	Moderate / VR-3	--
KOP-08B Beach Haven - Nighttime	--	--	--	Moderate / VR-4	Negligible	--
KOP-09 Barnegat Jetty ²	--	Minor / VR-1	Minor / VR-1	Minor / VR-1	Minor / VR-1	--
KOP-10 Barnegat Lighthouse	--	Minor / VR-2	Moderate / VR-4	Minor / VR-3	Minor / VR-3	--
KOP-11 US Life Saving Station #14 ²	--	Minor / VR-1	Minor / VR-1	--	--	--
KOP-12 Seaside Park Beach ²	--	Minor / VR-1	Minor / VR-1	--	--	--
KOP-13 Mantoloking	--	Minor / VR-1	Minor / VR-1	--	--	--
KOP-14 Bayhead ²	--	Minor / VR-1	Minor / VR-1	--	--	--
KOP-15 Point Pleasant ²	--	Minor / VR-1	Minor / VR-1	--	--	--
KOP-16 Ocean Grove ²	--	--	--	--	--	Minor / VR-1
KOP-17 Asbury Park Beach ²	--	--	--	--	--	Minor / VR-1
KOP-18 Allenhurst Residential Historic District	--	--	--	--	--	Minor / VR-1
KOP-19 Navesink Twin Lights ²	--	--	--	--	--	--
KOP-26 Fort Tilden (nighttime)	--	--	--	--	--	--
KOP-27 Magnolia Beach ²	--	--	--	--	--	--
KOP-28 Jones Beach	--	--	--	--	--	Minor / VR-3
KOP-29 Rudolph Oyster House ²	--	--	--	--	--	Negligible
KOP-30 Shinnecock Inlet	--	--	--	--	--	--
KOP-31 Westhampton Beach	--	--	--	--	--	Minor / VR-2
KOP-32 Fire Island Lighthouse-Upper Deck	Minor / VR-1	Minor / VR-1	--	--	--	Moderate / VR-4
KOP-33 Fire Island Lighthouse-Base ²	Minor / VR-1	--	--	--	--	Moderate / VR-4
KOP-35 Twin Lights Lighthouse	--	Minor / VR-1	--	--	--	Minor / VR-1
KOP-36 Asbury Park Hall-Top	--	Minor / VR-1	--	--	--	--
KOP-37 Point O' Woods	Minor / VR-1	--	--	--	--	Moderate / VR-4
KOP-38 Robert Moses Field 5 ²	Minor / VR-1	--	--	--	--	Moderate / VR-4
KOP-39 Empire State Building Observation Deck	--	--	--	--	--	Minor / VR-2
KOP-40 Robert Moses Field 5 - Nighttime	--	--	--	--	--	Major / VR-6
KOP-A Representative Recreational Fishing, Pleasure, & Tour Boat Area	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6
KOP-B Representative Commercial and Cruise Ship Shipping Lanes	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6

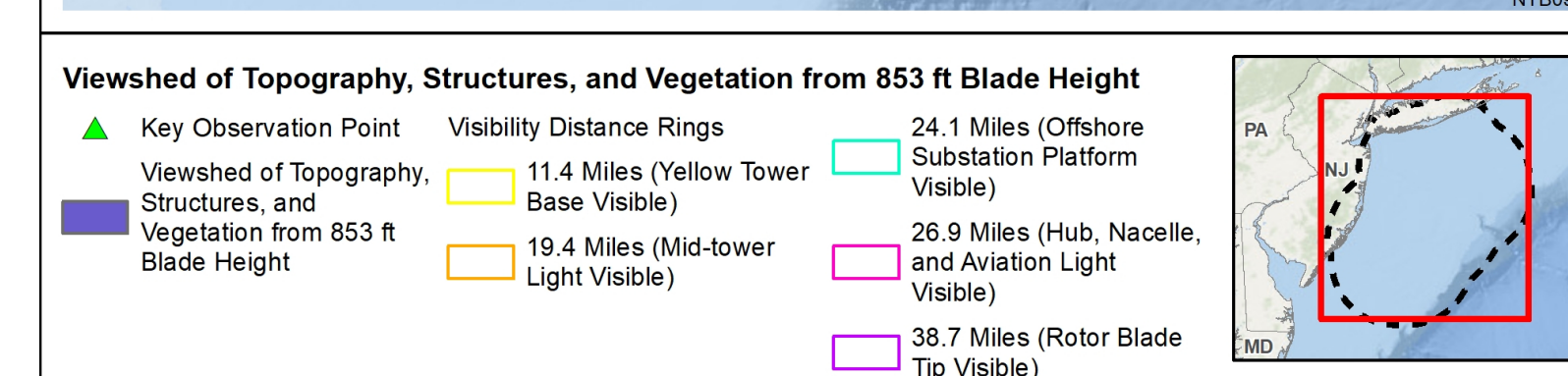
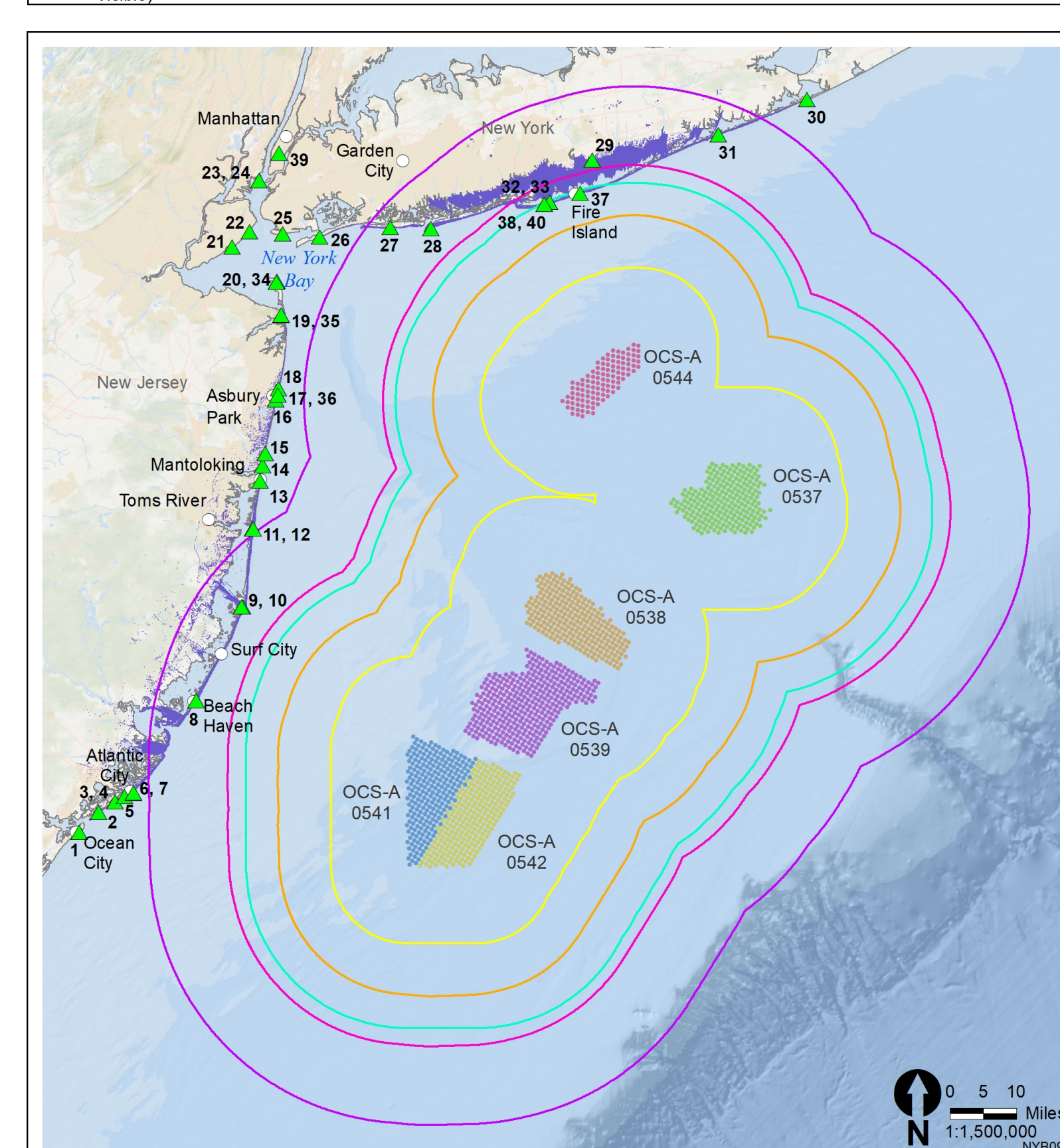
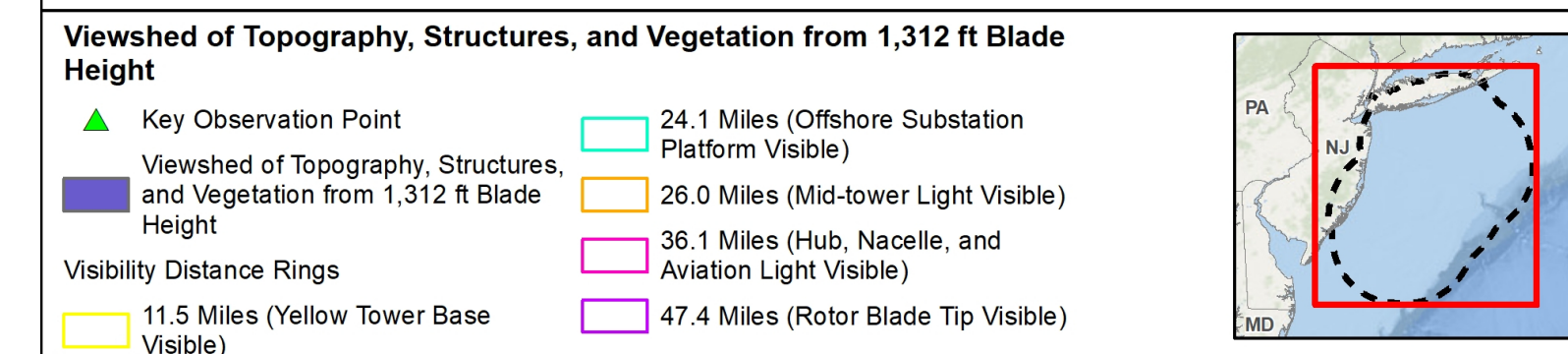
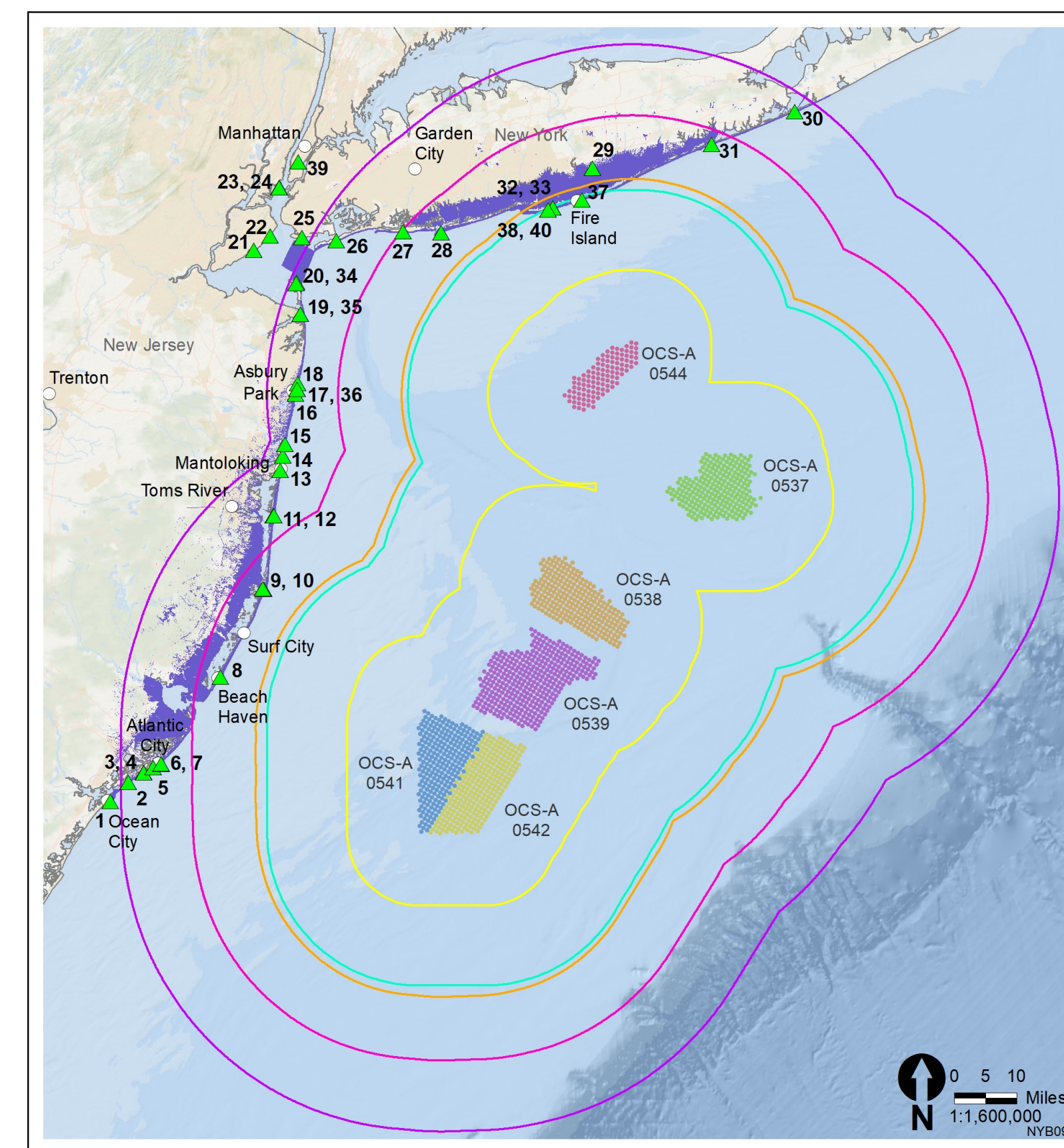
Table 3.6.9.20. Impact Levels on the Viewer Experience (sensitivity level and magnitude of change) for the 1,312-Foot WTGs

¹ Eight additional KOPs were identified but with analysis were found to be outside of the affected viewshed and have been removed from the impact analysis. These are: KOP-01 Ocean City Music Hall, KOP-20 Sandy Hook Beach, KOP-21 Great Kills, KOP-22 Roosevelt Pier, KOP-23 Statue of Liberty – Upper Deck, KOP-24 Statue of Liberty – Base, KOP-25 Coney Island Boardwalk, and KOP-34 Sandy Hook Observatory.

² KOPs evaluated based on GIS data and simulations of representative KOPs (see Table H-35 in Appendix H).

Bold Font indicates corrections to the Chapter 3 Table 3.6.9-20. I and Table 3.6.9-21. I to coincide with SLVIA Appendix H Table H-36 through Table H-41.

Note: Dashed spaces indicate Negligible impact.



Offshore and Onshore Key Observation Points ¹	853-Foot WTG Impact by Lease Area					
	OCS-A 0537	OCS-A 0538	OCS-A 0539	OCS-A 0541	OCS-A 0542	OCS-A 0544
KOP-02 Lucy the Elephant	--	--	--	--	--	--
KOP-03 John Stafford Hall-Boardwalk ²	--	--	--	--	--	--
KOP-04 John Stafford Hall-Beach Entrance	--	--	--	--	--	--
KOP-05 Jim Whelan Hall-Balcony	--	--	--	--	--	--
KOP-06 Atlantic City Boardwalk-Ocean Casino Boardwalk View ²	--	--	--	--	--	--
KOP-07 Atlantic City Boardwalk-Top of Ocean Casino ²⁺	--	--	--	--	--	--
KOP-08A Beach Haven - Daytime	--	--	--	--	--	--
KOP-08B Beach Haven - Nighttime	--	--	--	Negligible	Negligible	--
KOP-09 Barnegat Jetty ²	--	--	--	Minor / VR-1	--	--
KOP-10 Barnegat Lighthouse	--	Minor / VR-1	Minor / VR-2	Minor / VR-2	--	--
KOP-11 US Life Saving Station #14 ²	--	--	--	--	--	--
KOP-12 Seaside Park Beach ²	--	--	--	--	--	--
KOP-13 Mantoloking	--	--	--	--	--	--
KOP-14 Bayhead ²	--	--	--	--	--	--
KOP-15 Point Pleasant ²	--	--	--	--	--	--
KOP-16 Ocean Grove ²	--	--	--	--	--	--
KOP-17 Asbury Park Beach ²	--	--	--	--	--	--
KOP-18 Allenhurst Residential Historic District	--	--	--	--	--	--
KOP-19 Navesink Twin Lights ²	--	--	--	--	--	--
KOP-26 Fort Tilden (Nighttime)	--	--	--	--	--	--
KOP-27 Magnolia Beach ²	--	--	--	--	--	--
KOP-28 Jones Beach	--	--	--	--	--	Minor / VR-1
KOP-29 Rudolph Oyster House ²	--	--	--	--	--	--
KOP-30 Shinnecock Inlet	--	--	--	--	--	--
KOP-31 Westhampton Beach	--	--	--	--	--	--
KOP-32 Fire Island Lighthouse-Upper Deck	--	--	--	--	--	Moderate / VR-4
KOP-33 Fire Island Lighthouse-Base ²	--	--	--	--	--	Moderate / VR-3
KOP-35 Twin Lights Lighthouse	--	--	--	--	--	Minor / VR-1
KOP-36 Asbury Park Hall-Top	--	--	--	--	--	--
KOP-37 Point O' Woods	--	--	--	--	--	Moderate / VR-3
KOP-38 Robert Moses Field 5 ²	--	--	--	--	--	Moderate / VR-3
KOP-39 Empire State Building Observation Deck	--	--	--	--	--	--
KOP-40 Robert Moses Field 5 - Nighttime	--	--	--	--	--	Major / VR-6
KOP-A Representative Recreational Fishing, Pleasure, & Tour Boat Area	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6
KOP-B Representative Commercial and Cruise Ship Shipping Lanes	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6	Major / VR-6

Table 3.6.9.20. Impact Levels on the Viewer Experience (sensitivity level and magnitude of change) for the 853-Foot WTGs

¹ Eight additional KOPs were identified but with analysis were found to be outside of the affected viewshed and have been removed from the impact analysis. These are: KOP-01 Ocean City Music Hall, KOP-20 Sandy Hook Beach, KOP-21 Great Kills, KOP-22 Roosevelt Pier, KOP-23 Statue of Liberty – Upper Deck, KOP-24 Statue of Liberty – Base, KOP-25 Coney Island Boardwalk, and KOP-34 Sandy Hook Observatory.

² KOPs evaluated based on GIS data and simulations of representative KOPs (see Table H-34 in Appendix H).

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Note: Dashed spaces indicate Negligible impact.

Visibility Level Rating Scale

VISIBILITY RATING	DESCRIPTION
VISIBILITY LEVEL 1: visible only after extended, close viewing; otherwise, invisible.	An object/phenomenon that is near the extreme limit of visibility. It could not be seen by a person who was not aware of it in advance and looking for it. Even under those circumstances, the object can only be seen after looking at it closely for an extended period of time.
VISIBILITY LEVEL 2: visible when scanning in general direction of study subject; otherwise, likely to be missed by casual observer.	An object/phenomenon that is very small and/or faint, but when the observer is scanning the horizon or looking more closely at an area, can be detected without extended viewing. It could sometimes be noticed by a casual observer; however, most people would not notice it without some active looking.
VISIBILITY LEVEL 3: visible after brief glance in general direction of study subject and unlikely to be missed by casual observer.	An object/phenomenon that can be easily detected after a brief look and would be visible to most casual observers, but without sufficient size or contrast to compete with major landscape elements.
VISIBILITY LEVEL 4: plainly visible, could not be missed by casual observer, but does not strongly attract visual attention, or dominate view because of apparent size, for views in general direction of study subject.	An object/phenomenon that is obvious and with sufficient size or contrast to compete with other landscape elements, but with insufficient visual contrast to strongly attract visual attention and insufficient size to occupy most of the observer's visual field.
VISIBILITY LEVEL 5: strongly attracts visual attention of views in general direction of study subject. Attention may be drawn by strong contrast in form, line, color, or texture, luminance, or motion.	An object/phenomenon that is not of large size, but that contrasts with the surrounding landscape elements so strongly that it is a major focus of visual attention, drawing viewer attention immediately, and tending to hold viewer attention. In addition to strong contrasts in form, line, color, and texture, bright light sources (such as lighting and reflections) and moving objects associated with the study subject may contribute substantially to drawing viewer attention. The visual prominence of the study subject interferes noticeably with views of nearby landscape elements.
VISIBILITY LEVEL 6: dominates view because study subject fills most of visual field for views in its general direction. Strong contrasts in form, line, color, texture, luminance, or motion may contribute to view dominance.	An object/phenomenon with strong visual contrasts that is of such large size that it occupies most of the visual field, and views of it cannot be avoided except by turning the head more than 45 degrees from a direct view of the object. The object/phenomenon is the major focus of visual attention, and its large apparent size is a major factor in its view dominance. In addition to size, contrasts in form, line, color, and texture, bright light sources and moving objects associated with the study subject may contribute substantially to drawing viewer attention. The visual prominence of the study subject detracts noticeably from views of other landscape elements.



For more information, please visit:
www.boem.gov/renewable-energy/state-activities/new-york-bight

