

CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

VIEWPOINT
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township

VISUALIZATIONS

VISUALIZATIONS INCLUDED	
1A	Northeast view: only Ocean Wind 1
1B	Northeast view: all visible projects
1C	Northeast view: all visible projects except Ocean Wind 1
2A	Southeast view: only Ocean Wind 1
2B	Southeast view: all visible projects
2C	Southeast view: all visible projects except Ocean Wind 1

** New York Bight WEA is not visible from this viewpoint due to the land mass in the foreground.

WIND DIRECTION

NORTHWEST
Turbine rotors and blades are modeled in all projects to face northwest to approximate the most visually impacting scenario.

CUMULATIVE PROJECT INFORMATION

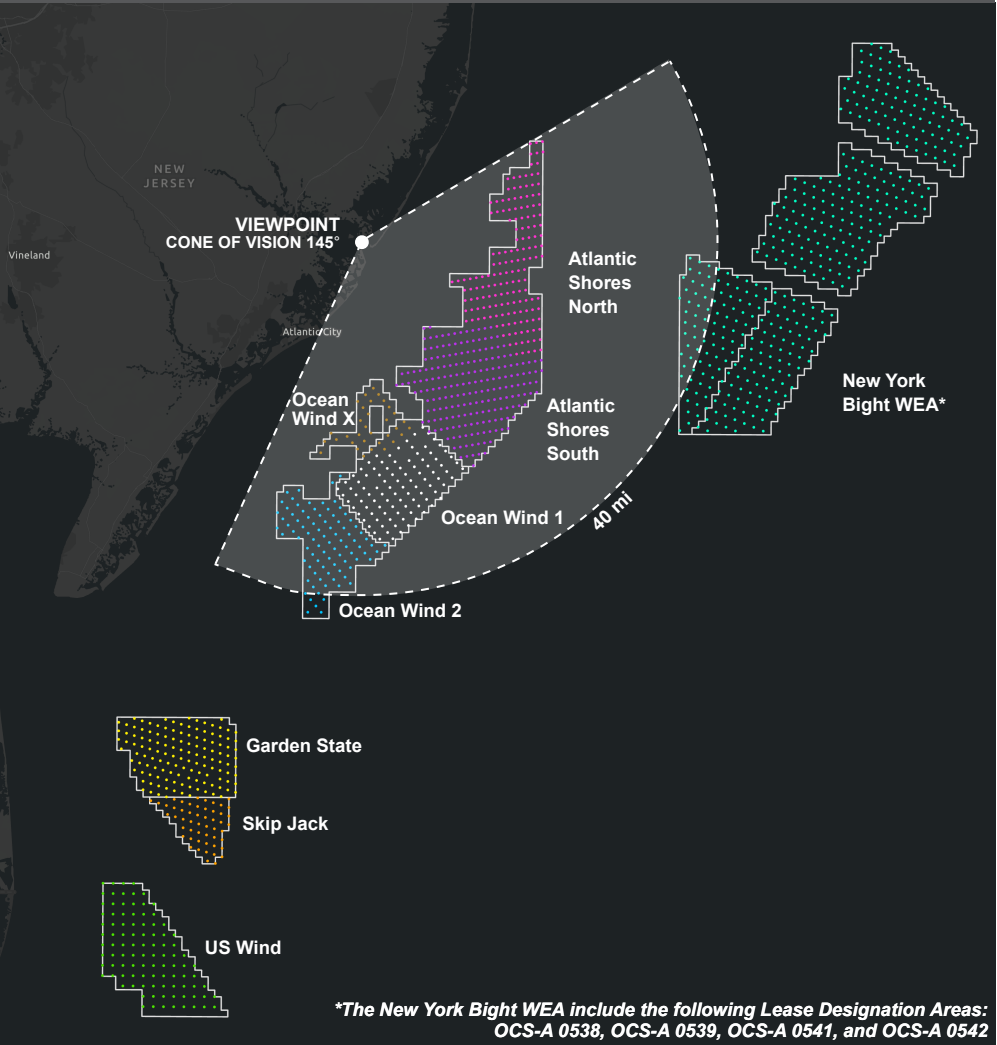
OFFSHORE WIND PROJECT	THEORETICALLY VISIBLE FROM VIEWPOINT*	DISTANCE TO NEAREST WTG (mi)	DISTANCE TO FARTHEST WTG (mi)	NUMBER OF THEORETICALLY VISIBLE TURBINES	HORIZONTAL FIELD OF VIEW
New York Bight WEA	Yes	36.6	69.7	0**	0°
Atlantic Shores North	Yes	11.2	23.6	131	56°
Atlantic Shores South	Yes	11.9	28.0	202	43°
Ocean Wind 1	Yes	21.9	34.1	69	30°
Ocean Wind 2	Yes	26.3	41.9	24	14°
Ocean Wind X	Yes	16.4	24.0	33	26°
Garden State	No	55.8	66.1	0	0°
Skip Jack	No	64.2	71.6	0	0°
US Wind	No	76.4	89.2	0	0°

*A distance of 40-miles from each viewpoint has been used to define the limits of theoretical visibility. This 40-mile distance aligns with the visual study area used in the Ocean Wind Visual Impact Assessment. For an observation elevation of 25 feet (typical of views from the boardwalks on the coast of New Jersey), the limit of Ocean Wind turbine hub visibility would be 37.3 miles due to earth curvature. While the blade tips are located above the horizon beyond this range, they are unlikely to be detected by observers at these distances due to the limits of visual acuity.

VIEWPOINT INFORMATION

LOCATION		PHOTO		ENVIRONMENTAL	
VIA KOP #	V06	Camera	NIKON D5500	Temperature	72°
Date / Time	09/20/2018 / 9:40am	Resolution	300 dpi	Humidity	73%
Latitude / Longitude	39.508809° / -74.322008°	Focal Length	50 mm	Wind Speed	10 mph
Direction of View	Northeast to Southeast	Viewer Eye Elevation	7 ft	Weather Conditions	Overcast

CUMULATIVE PROJECT MAP



COMPLETE PANORAMIC VIEW



Panoramic Field of View: 145° (based on Nikon D5500 camera lens, where a Normal Photo is 37.26°)

CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

1A: Northeast view showing only Ocean Wind I
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township



Ocean Wind 1 not in view

Panoramic Field of View: 69°



WIND DIRECTION

NORTHWEST
Turbine rotors and blades are modeled in all projects to face northwest to approximate the most visually impacting scenario.



Panoramic Field of View: 145°

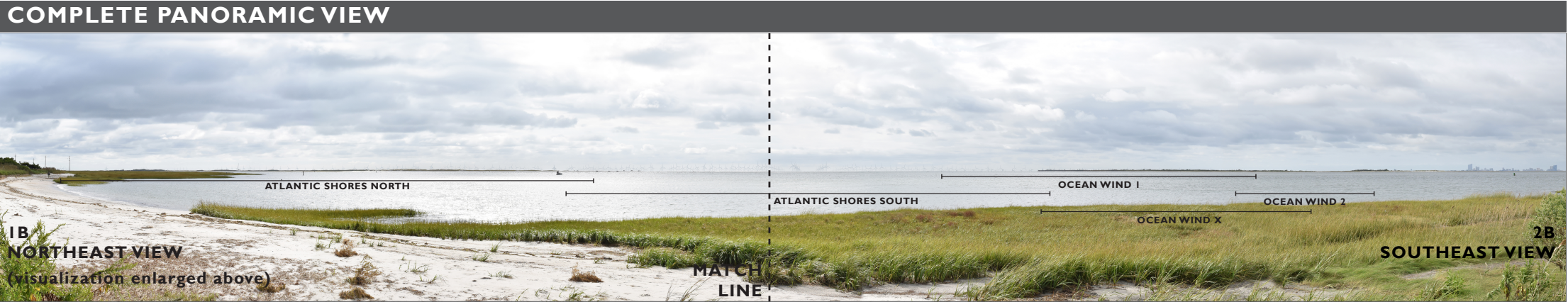
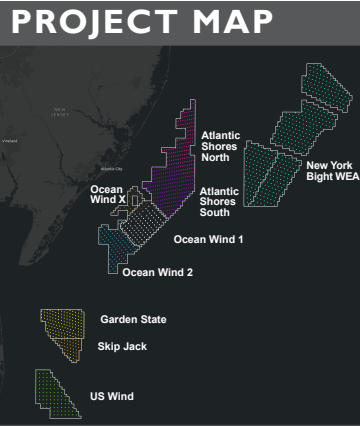
CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

1B: Northeast view showing all visible projects
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township



Ocean Wind 1 not in view

Panoramic Field of View: 69°



Panoramic Field of View: 145°

WIND DIRECTION

NORTHWEST
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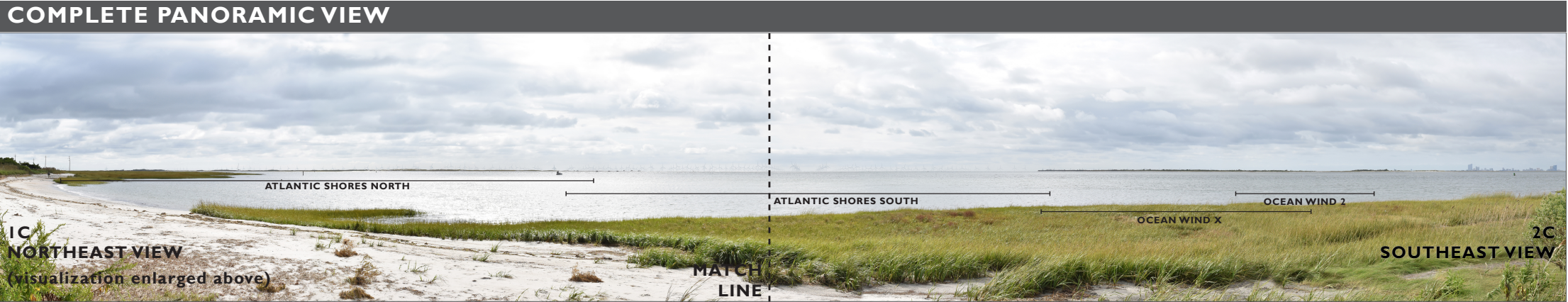
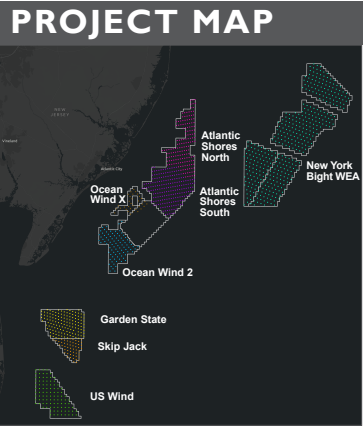
CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

1C: Northeast view showing all projects except Ocean Wind I
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township



Ocean Wind 1 not in view

Panoramic Field of View: 69°



WIND DIRECTION

NORTHWEST
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Panoramic Field of View: 145°

2A: Southeast view showing only Ocean Wind I
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township



Panoramic Field of View: 69°



Panoramic Field of View: 145°

WIND DIRECTION

NORTHWEST
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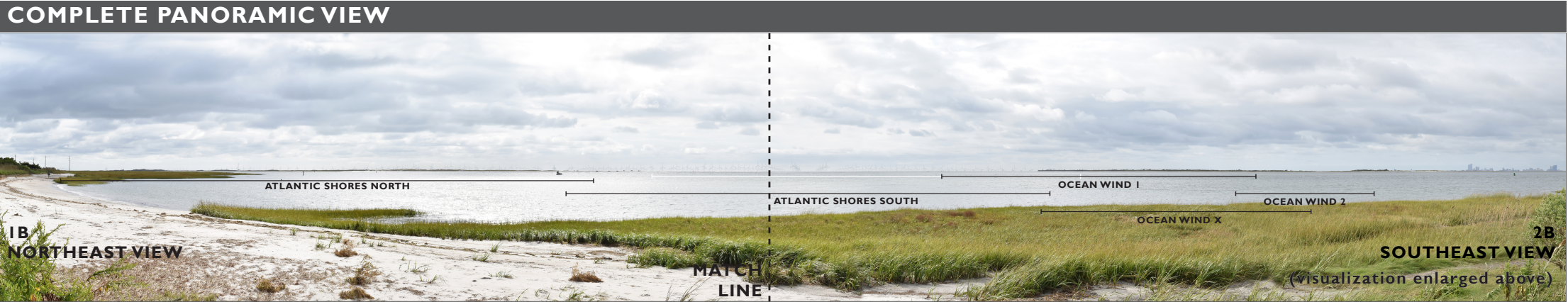
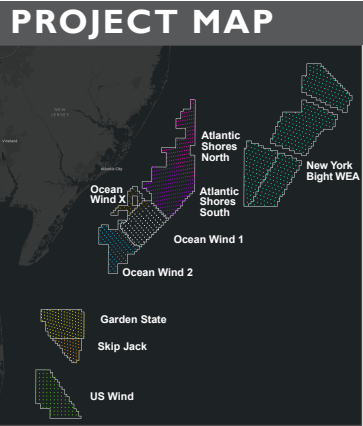


CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

2B: Southeast view showing all visible projects
Great Bay Boulevard Wildlife Management Area, Little Egg Harbor Township



Panoramic Field of View: 69°



Panoramic Field of View: 145°

WIND DIRECTION

NORTHWEST
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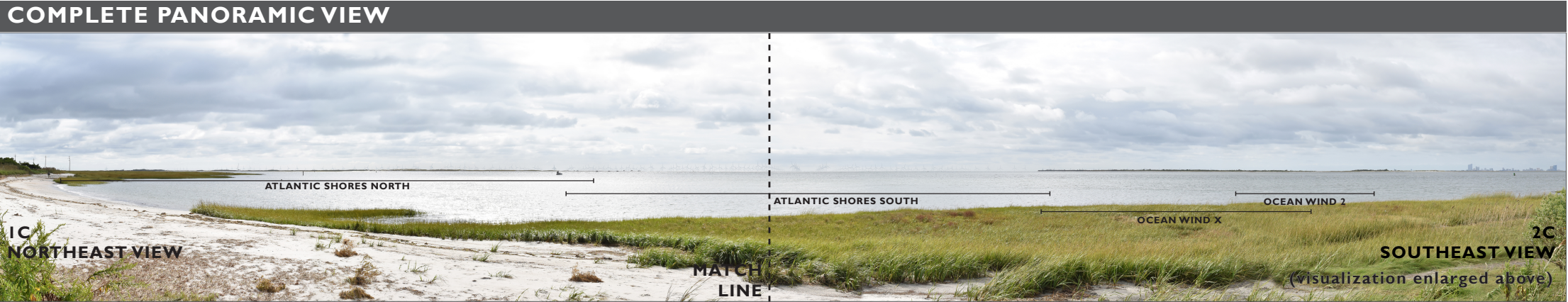
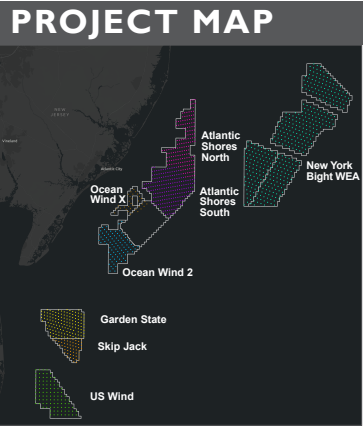


CUMULATIVE EFFECTS ANALYSIS FOR OCEAN WIND I

2C: Southeast view showing all projects except Ocean Wind I
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Panoramic Field of View: 69°



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