

Powered by Ørsted & **Date Taken:** 9/11/2021 Temperature: 68°F Humidity: 81% Visibility: >10 miles Eversource Wind Direction: Southwest Wind Speed: 9 mph

on the printed

Existing Conditions

Appendix A: Revolution Wind Cumulative Visual Simulations

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL

> Notes: • Photosimulation Size: 66" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.

Conditions Observed: Fair

County: Dukes

Town: Aquinnah

State: Massachusetts

Location: Martha's Vineyard

Field of View: 124° x 55°

Visual Resources

Latitude, Longitude: 41.34730° N, 70.83690° W

Direction of View (Center): South (189.7°)

Landscape Similarity Zone: Coastal Bluff

User Group: Local Resident, Tourist/Vacationers

Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head

West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

• The potential number of WTGs and OSSs screened from view was calculated using a curvature of the earth model based on the distance, viewer height, and maximum

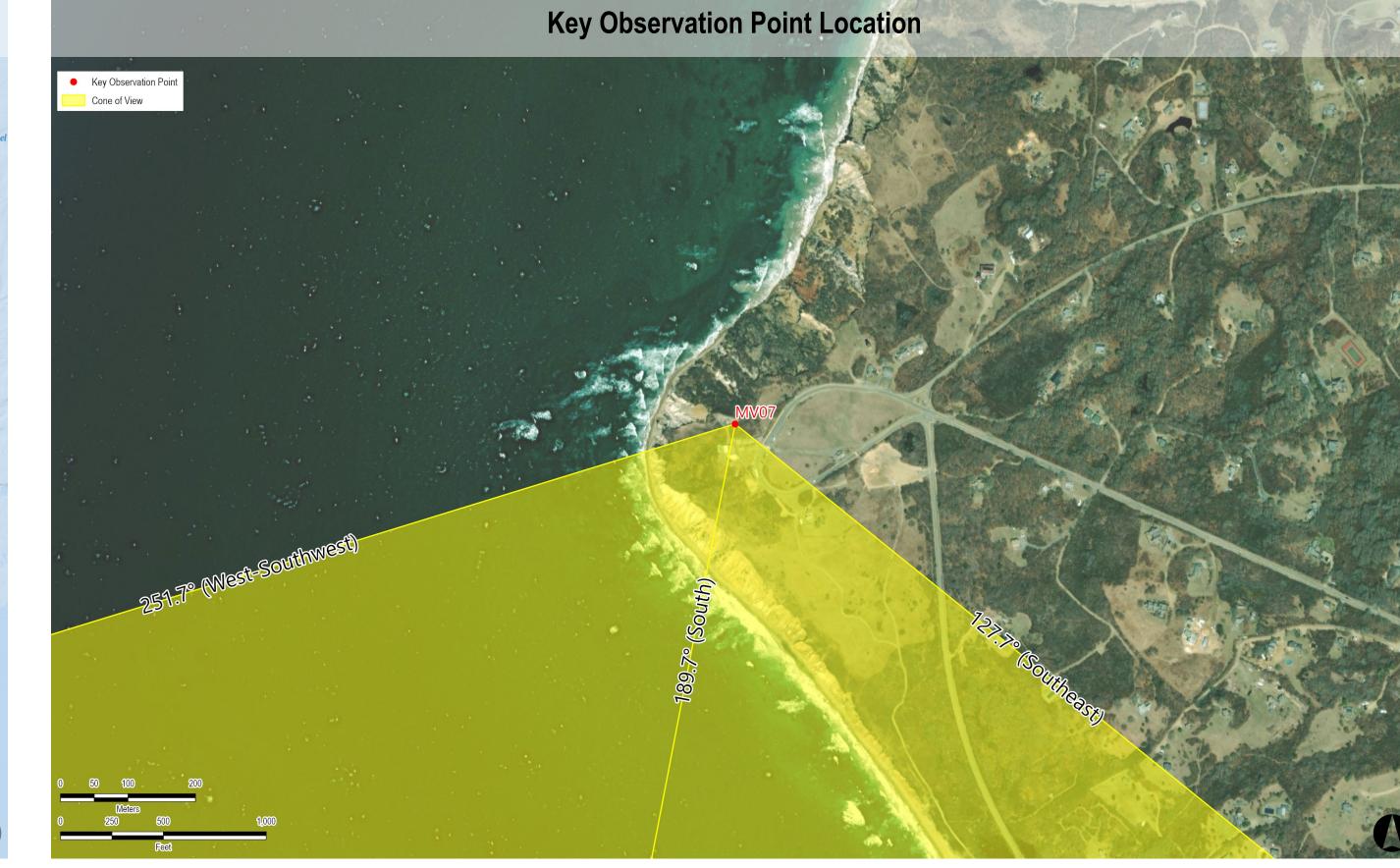
structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography. Offshore Substation location and dimensions are based on preliminary publicly available project data. Projects for which this data is not currently available, WTGs are used

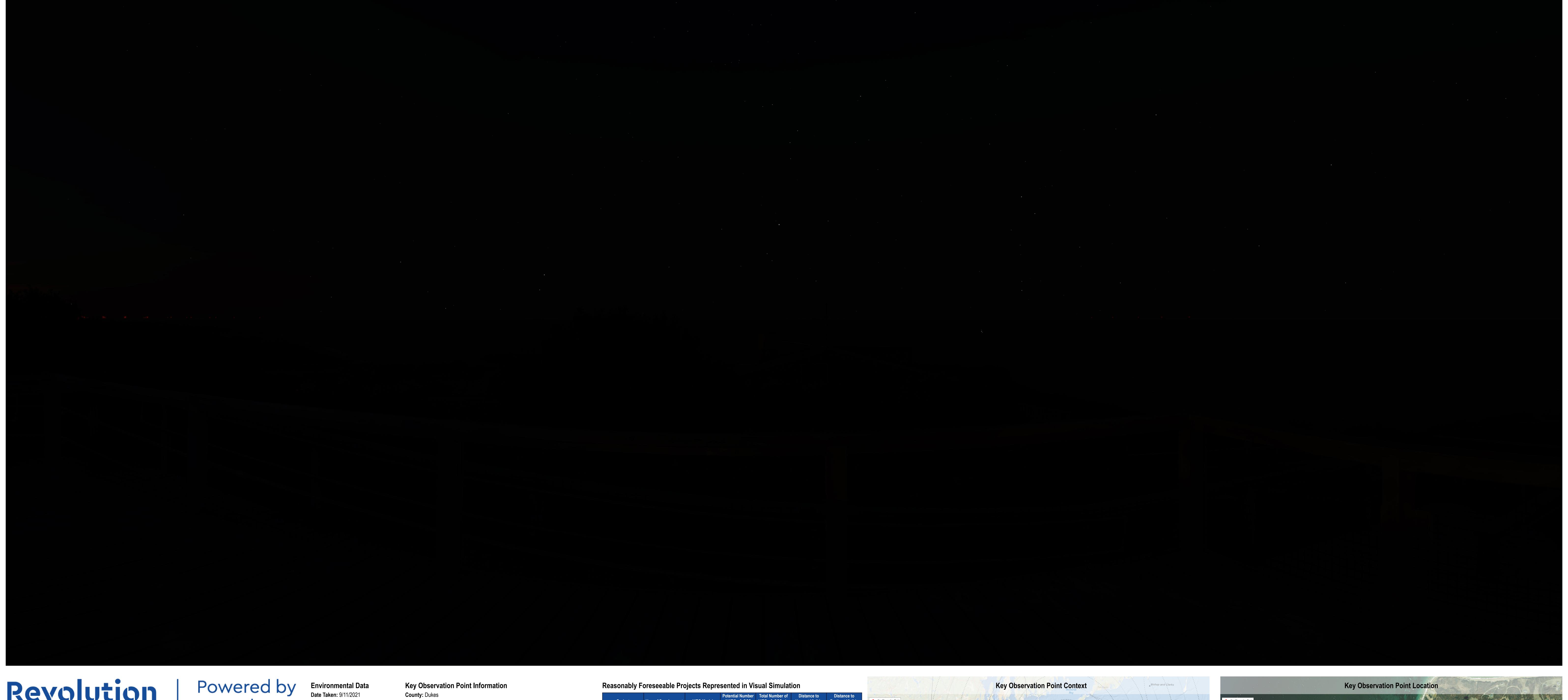
for all foundation positions. OSS positions and dimensions considered in this photosimulation are subject to potential modification. • Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

• The existing WTGs associated with the Block Island Wind Farm are 16.9 miles from KOP LI04. In the daytime photosimulation, the WTGs appear faint due to atmospheric perspective commonly occurring on clear days such as the conditions illustrated in this photosimulation. In order to illustrate maximum potential visibility of the proposed

WTG, this degree of atmospheric perspective is not applied to the photosimulations. Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

Key Observation Point Context Key Observation Point Cone of View Nantucket Sound Great Round Shoal Channel Nantucket Island Middle Shoal Rock
Block Island Sound





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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: 2023 Project Construction (South Fork Wind and **Vineyard Wind North)**

Temperature: 68°F Humidity: 81% Visibility: >10 miles Wind Direction: Southwest

Wind Speed: 9 mph Conditions Observed: Fair **Camera Information** Camera: Canon EOS 5D Mark IV

Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

Town: Aquinnah State: Massachusetts Location: Martha's Vineyard **Latitude, Longitude:** 41.34730° N, 70.83690° W

Direction of View (Center): South (189.7°)

Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head

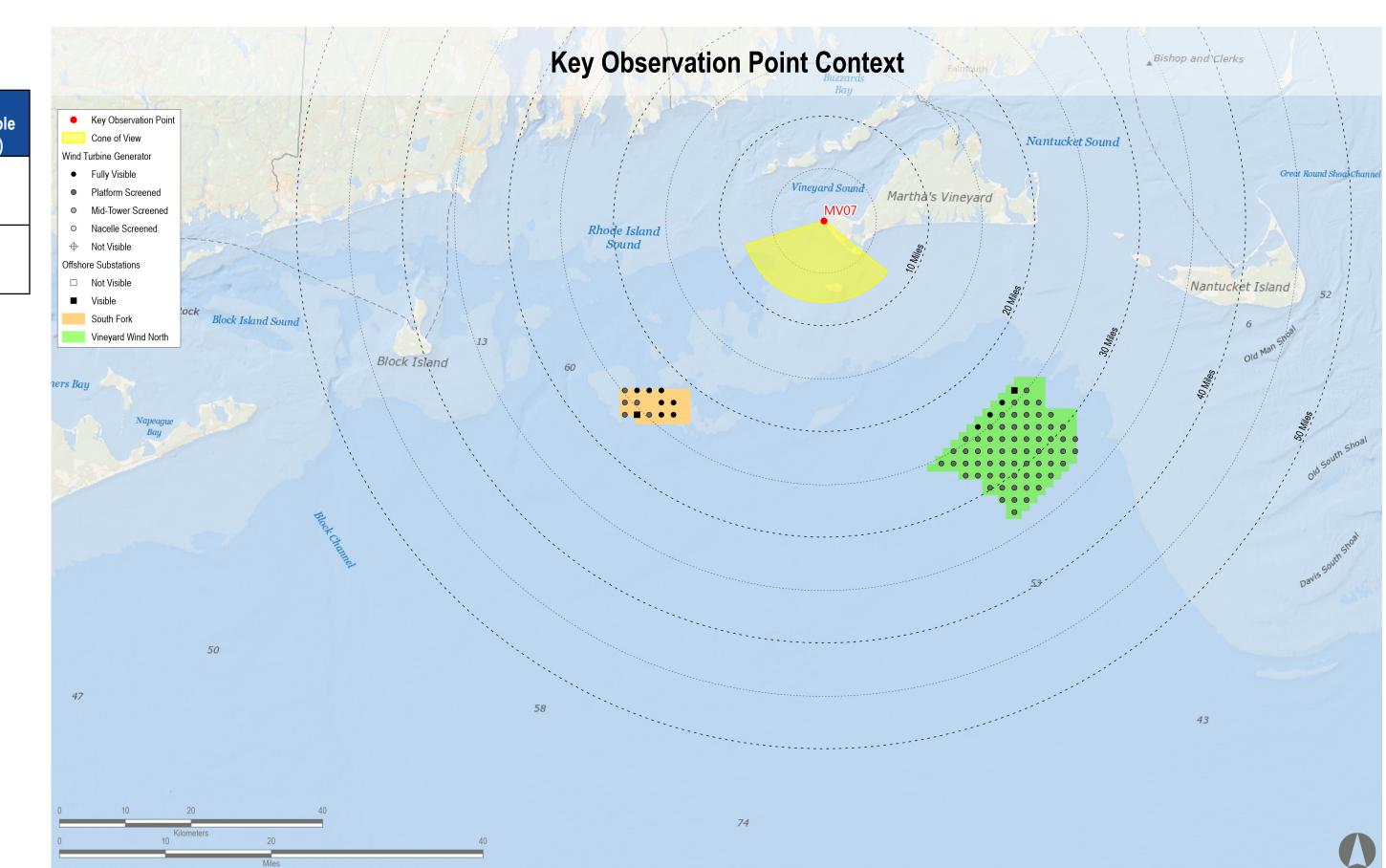
West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

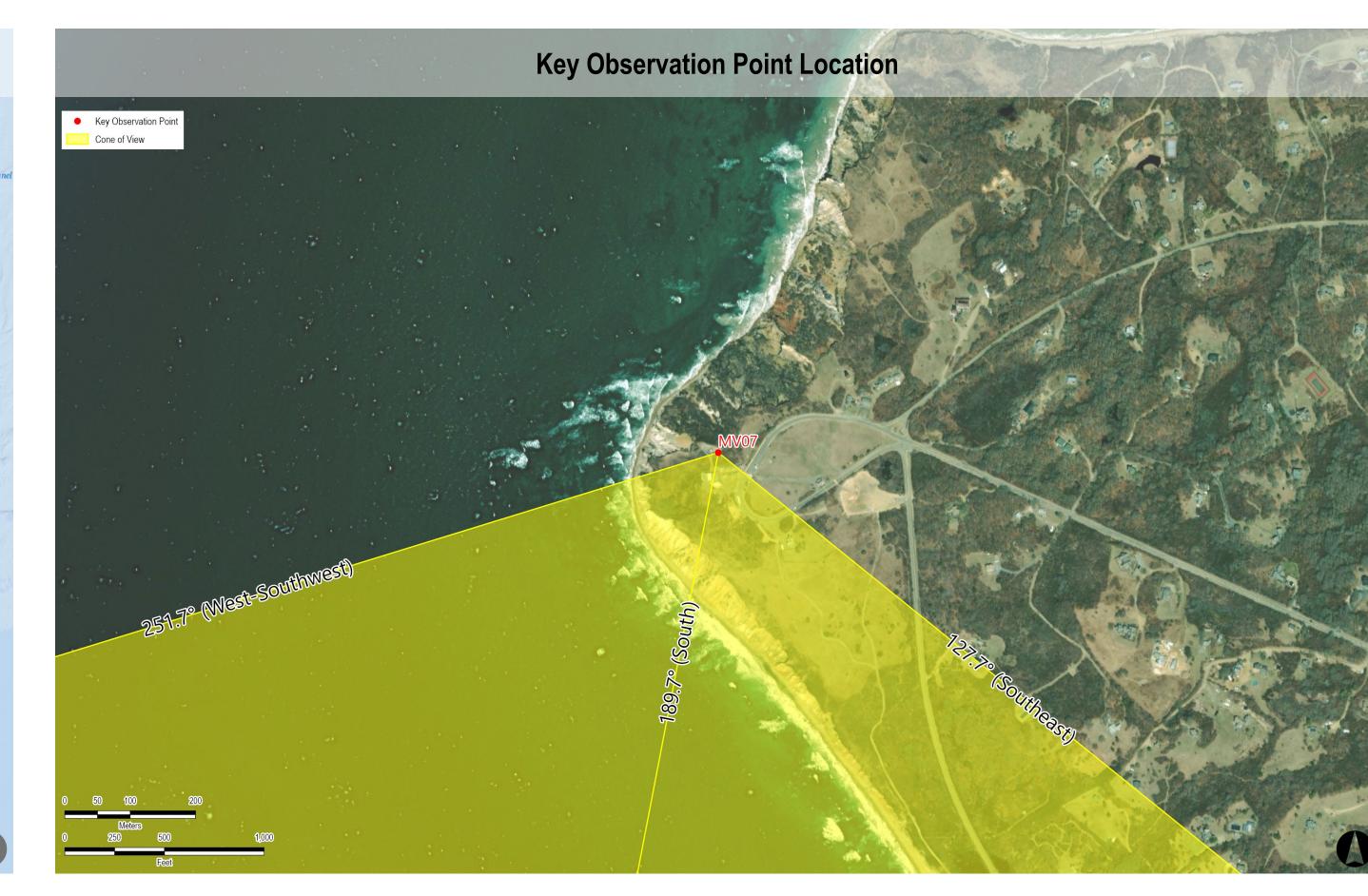
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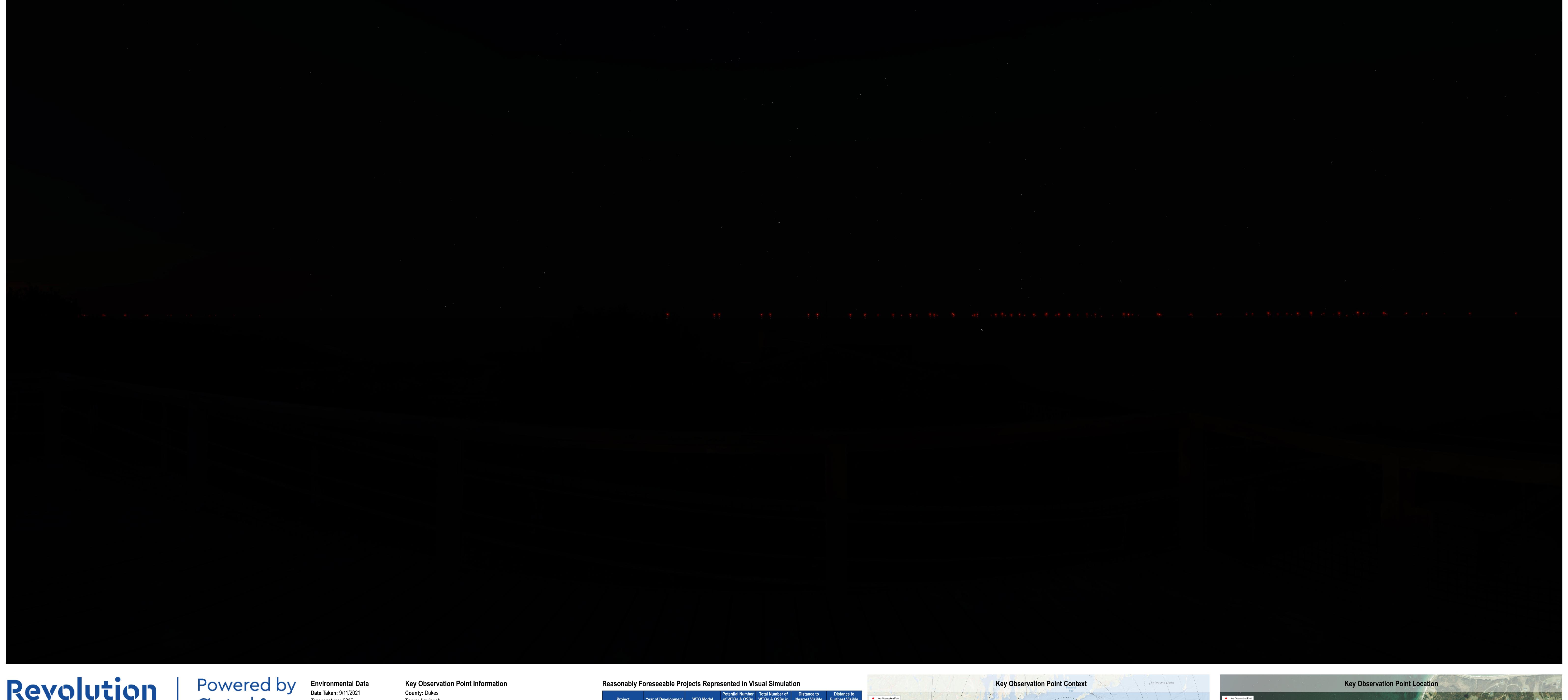
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asonably Foreseeable Projects Represented in Visual Simulation								
Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)		
uth Fork Wind Farm	2023	12 MW	13	13	22.2	26.3		
ineyard Wind North	2023	14 MW	69	69	24.0	32.9		







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: 2023 Project Construction with Revolution Construction added (Revolution Wind, South Fork Wind, and Vineyard Wind North)

Temperature: 68°F Humidity: 81% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 9 mph

> **Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL

Notes:

Conditions Observed: Fair

Town: Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W **Direction of View (Center):** South (189.7°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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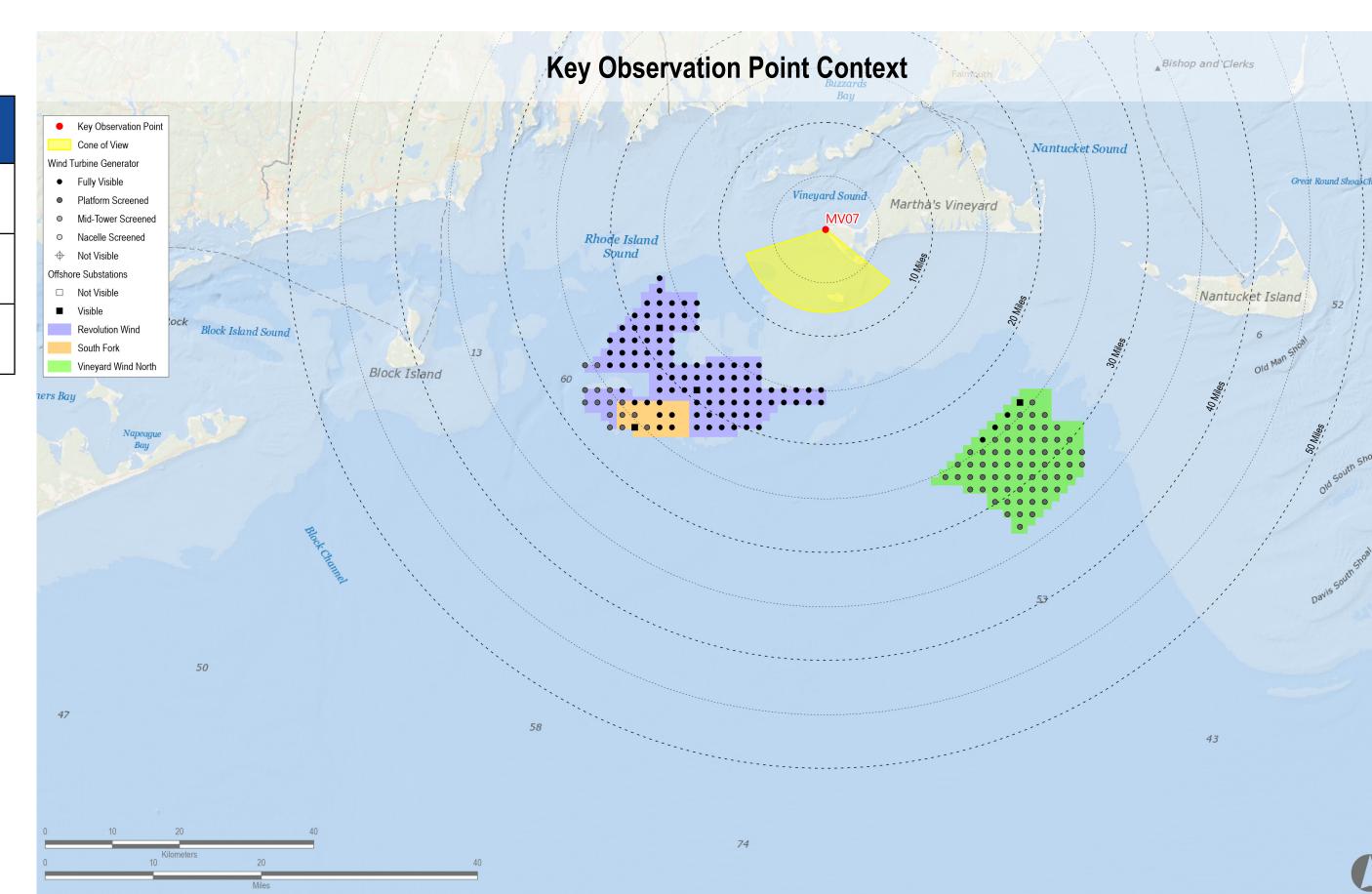
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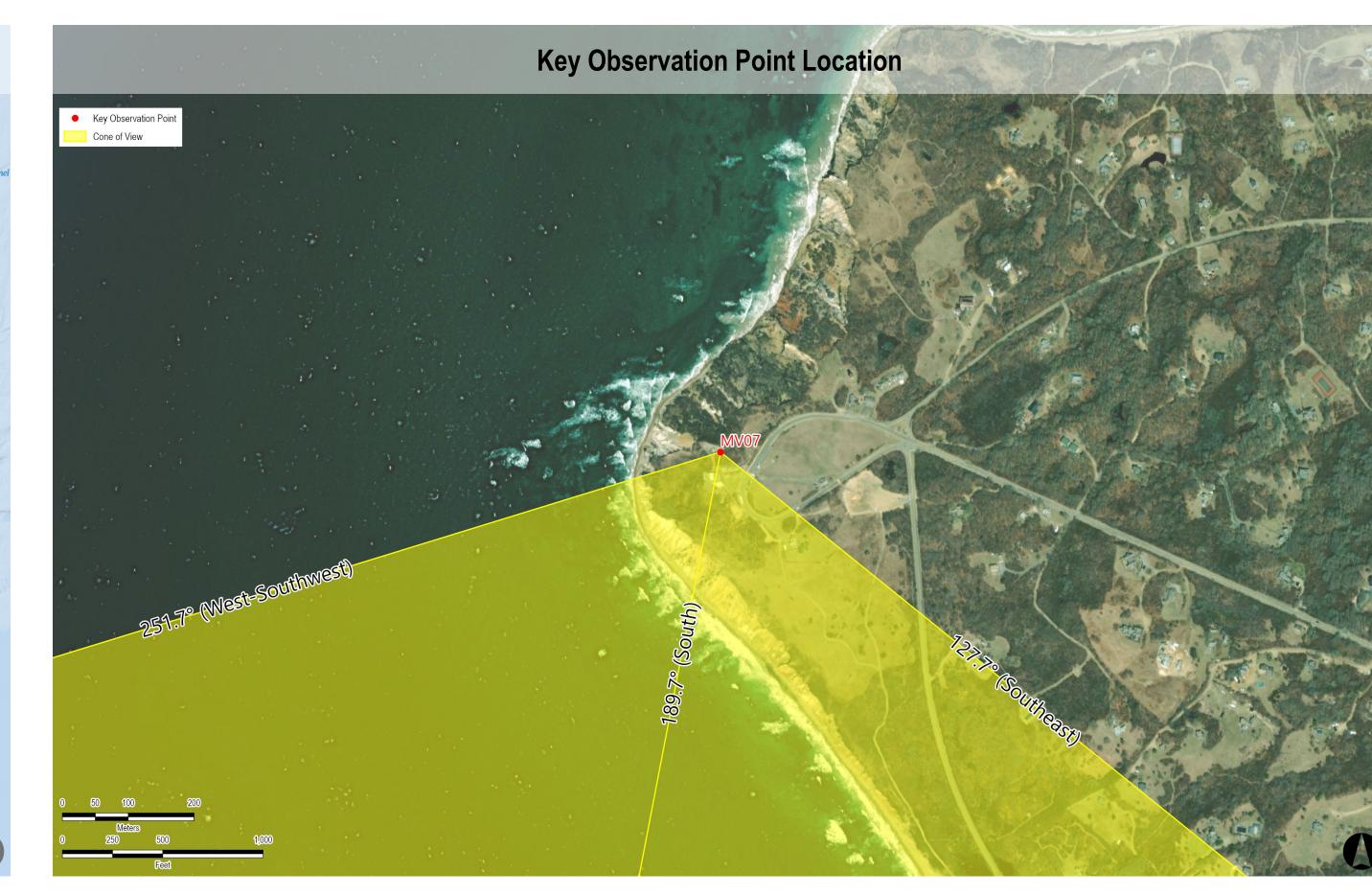
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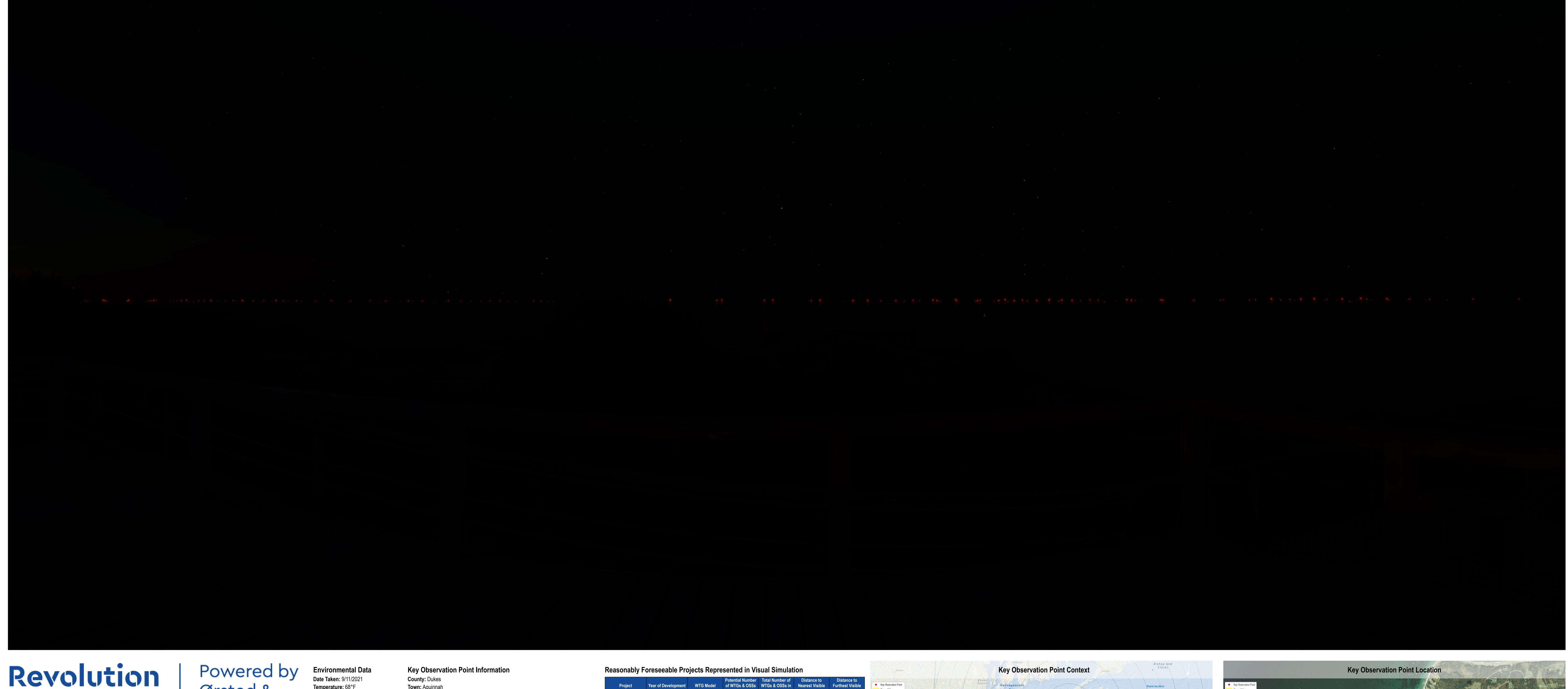
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WTG, this degree of atmospheric perspective is not applied to the photosimulations. Photographs were not obtained from NL01 during field review due to public access restrictions. In place of an actual photograph from this location, EDR created a virtual three-dimensional (3D) model of the island.

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Revolution Wind	2023	12 MW	102	102	13.7	27.4		







Wind

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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Full Lease Build-out Including Revolution Wind

Temperature: 68°F Humidity: 81% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 9 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

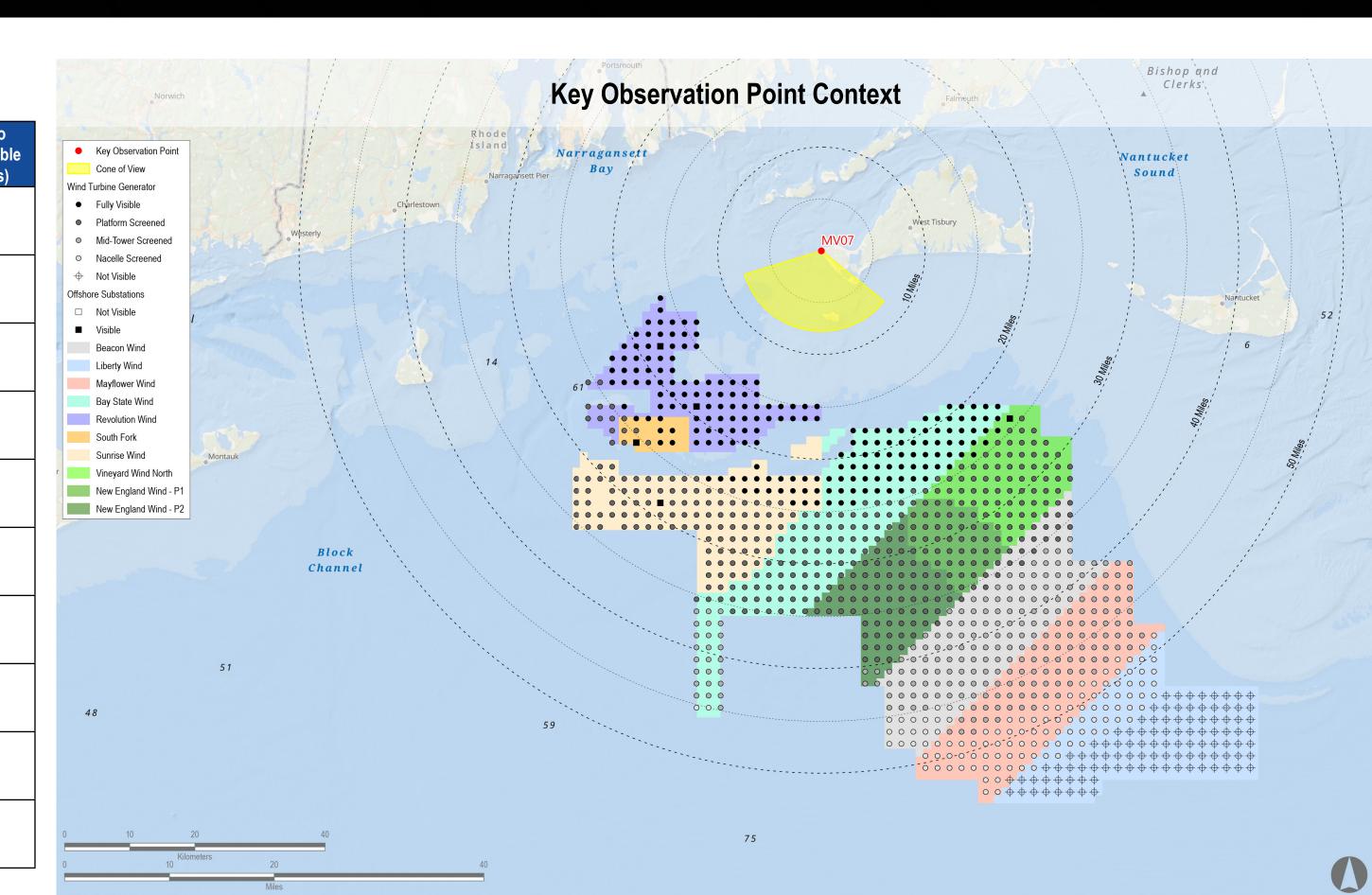
Town: Aquinnah State: Massachusetts Location: Martha's Vineyard

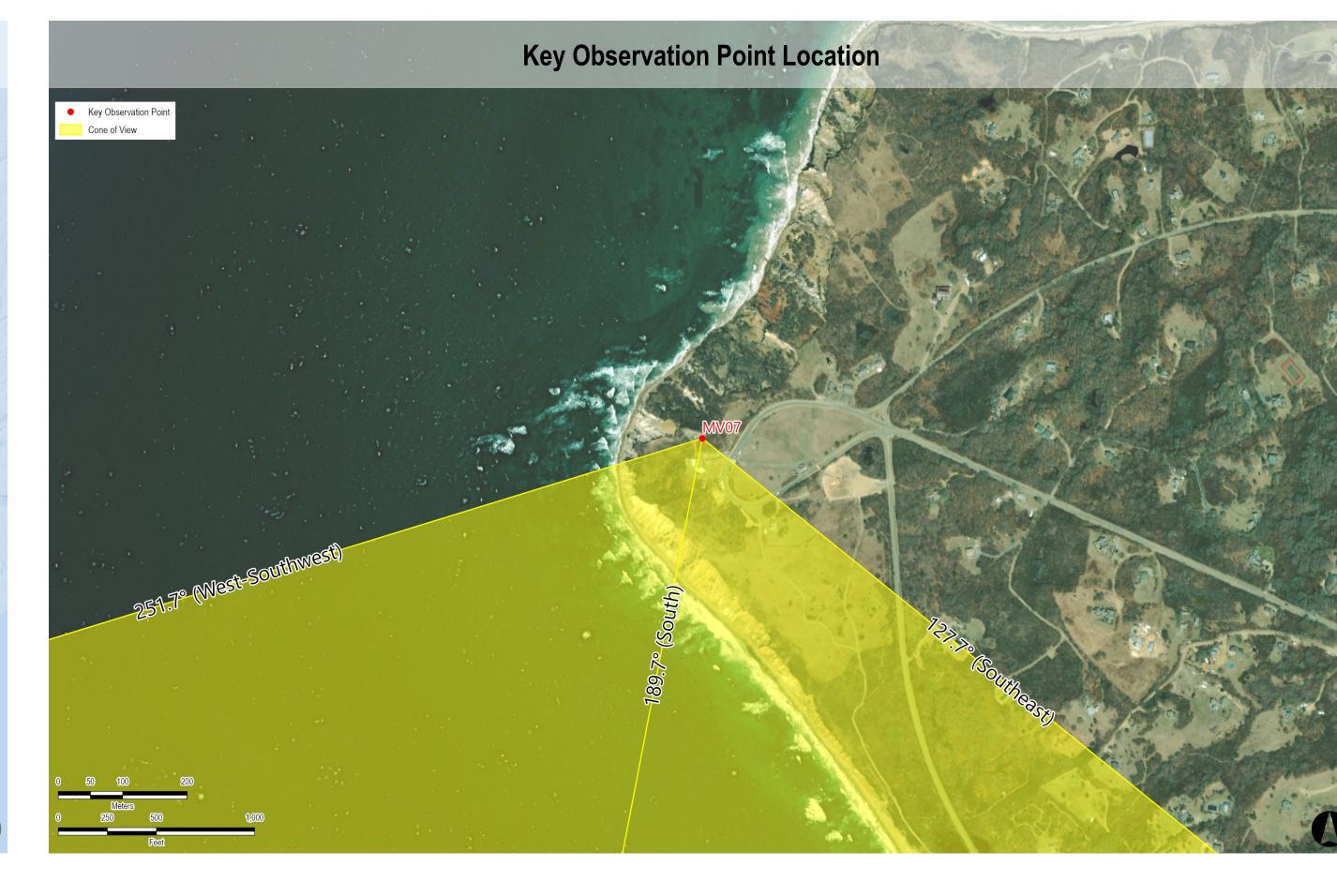
Latitude, Longitude: 41.34730° N, 70.83690° W **Direction of View (Center):** South (189.7°) Field of View: 124° x 55°

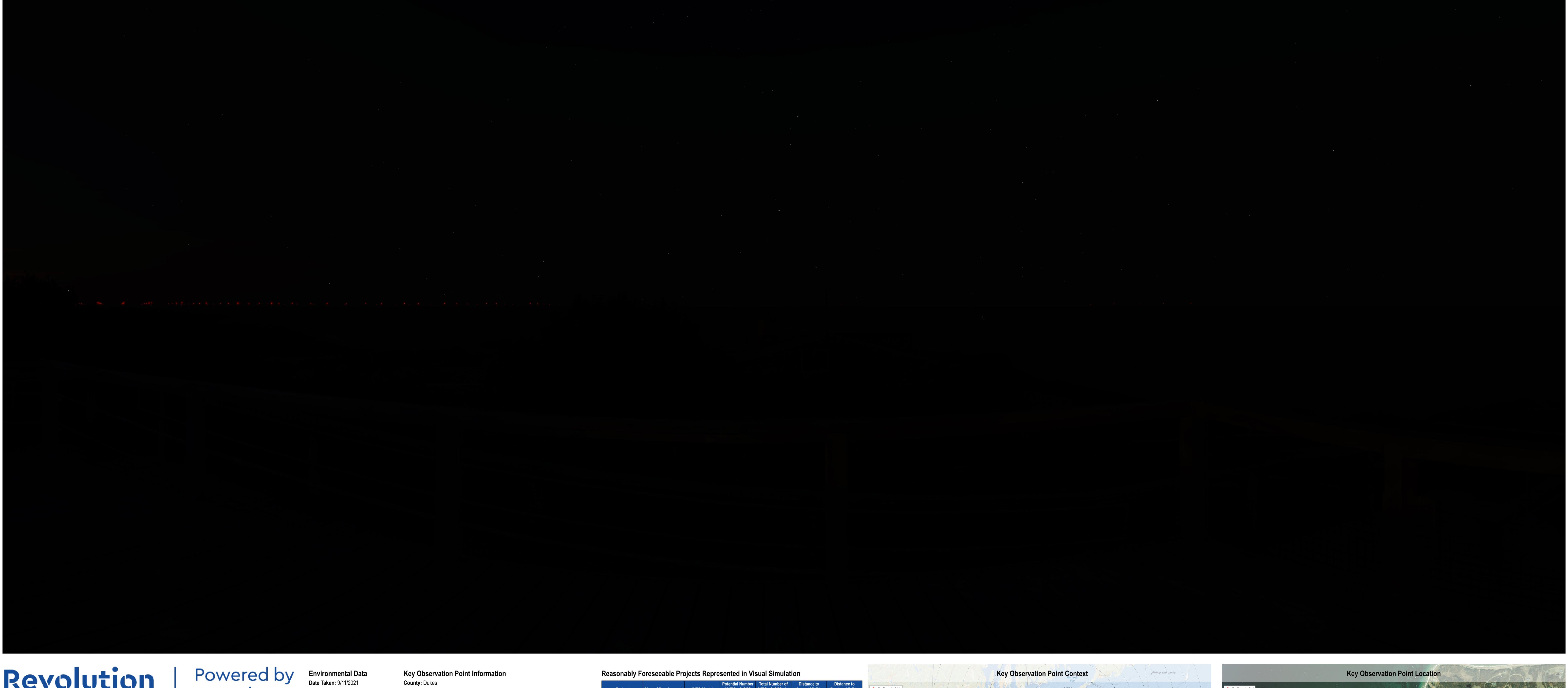
Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Aquinnah Shops Area State Historic Area, Gay Head West Tisbury Unit State Scenic Area, Gay Head Cliffs National Natural Landmark

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Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	22.2	26.3
Vineyard Wind North	2023	14 MW	69	69	24.0	32.9
Revolution Wind	2023	12 MW	102	102	13.7	27.4
New England Wind Phase 1	2024	16 MW	41	41	26.1	34.8
New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
Sunrise Wind	2024	15 MW	123	123	21.6	35.3
Mayflower Wind	2024	12 MW	80	149	41.1	47.7
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	136	157	33.0	44.6
Bay State Wind	2025-2030	12 MW	182	185	17.5	44.2







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts

on the printed

Visual Simulation: Full Lease Build-out Excluding Revolution Wind

Temperature: 68°F Humidity: 81% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 9 mph Conditions Observed: Fair

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL Notes:

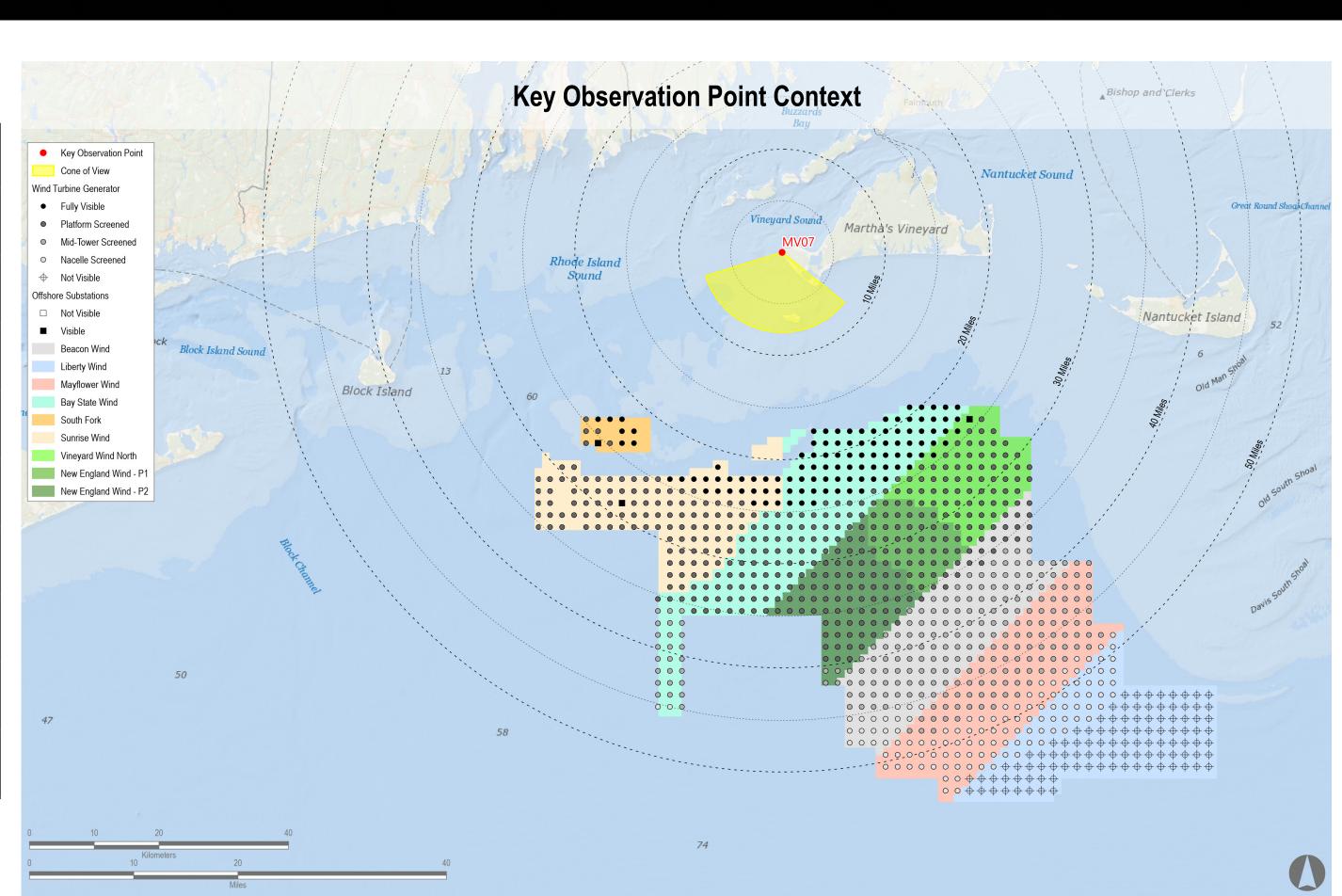
Town: Aquinnah

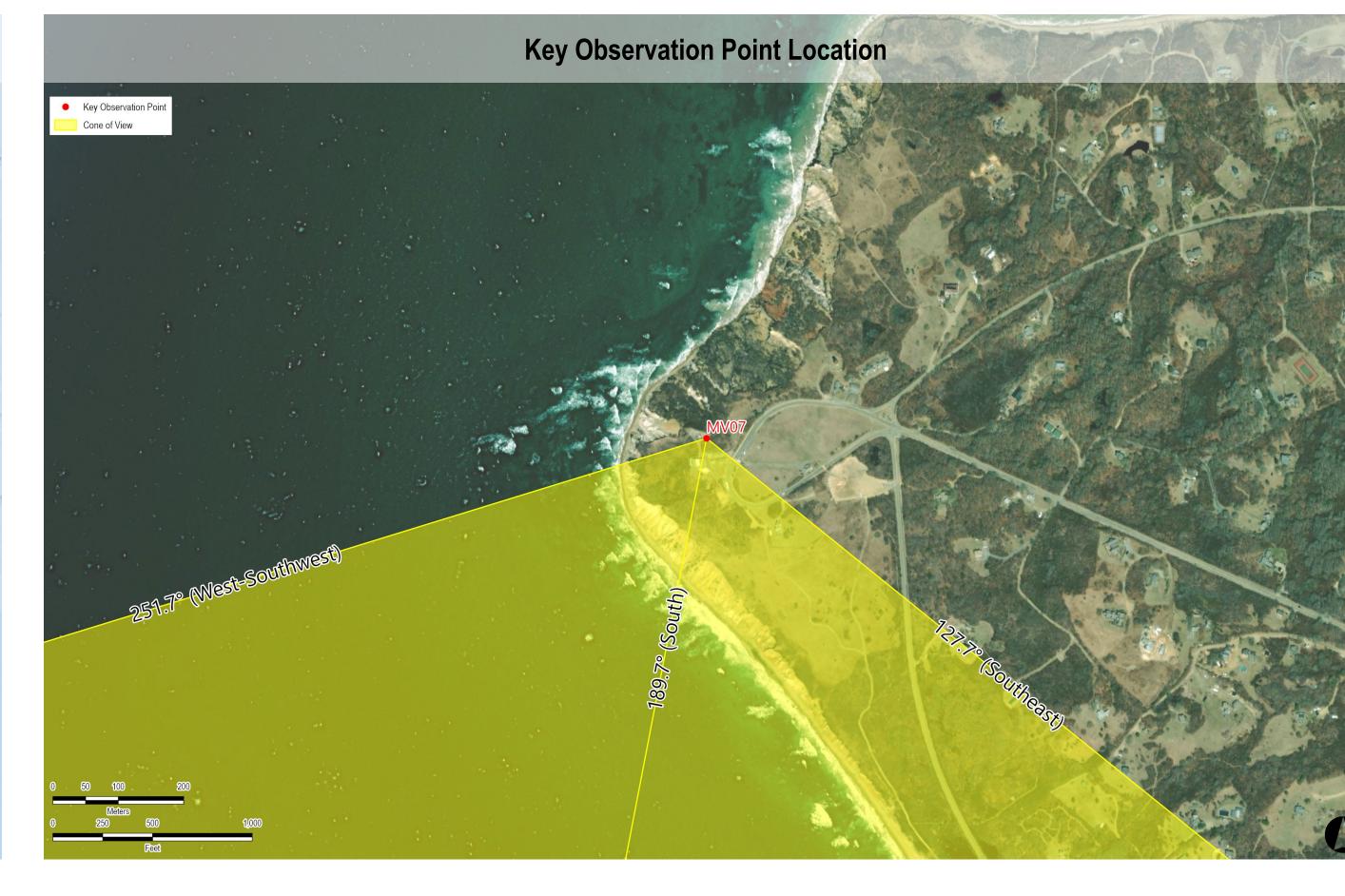
State: Massachusetts Location: Martha's Vineyard **Latitude, Longitude:** 41.34730° N, 70.83690° W **Direction of View (Center):** South (189.7°) Field of View: 124° x 55°

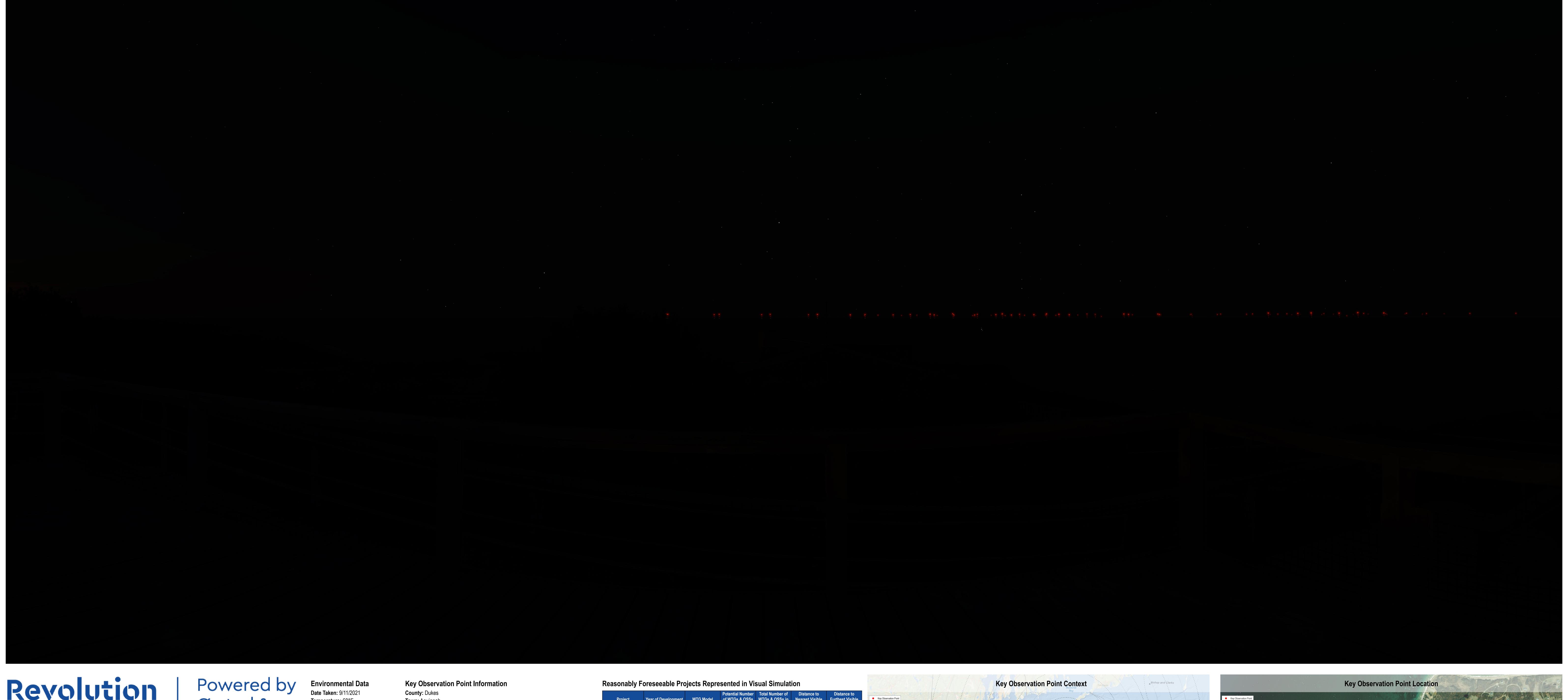
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New England Wind Phase 2	2024	19 MW	79	79	26.4	41.6
Sunrise Wind	2024	15 MW	123	123	21.6	35.3
Mayflower Wind	2024	12 MW	80	149	41.1	47.7
Liberty Wind	2025-2030	12 MW	0	139	NA	NA
Beacon Wind	2025-2030	12 MW	136	157	33.0	44.6
Bay State Wind	2025-2030	12 MW	182	185	17.5	44.2







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Appendix A: Revolution Wind Cumulative Visual Simulations

MV07 Night: Aquinnah Overlook, Aquinnah, Massachusetts

Visual Simulation: Revolution Wind Without Other Foreseeable Future Changes

Temperature: 68°F Humidity: 81% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 9 mph

Notes:

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Conditions Observed: Fair

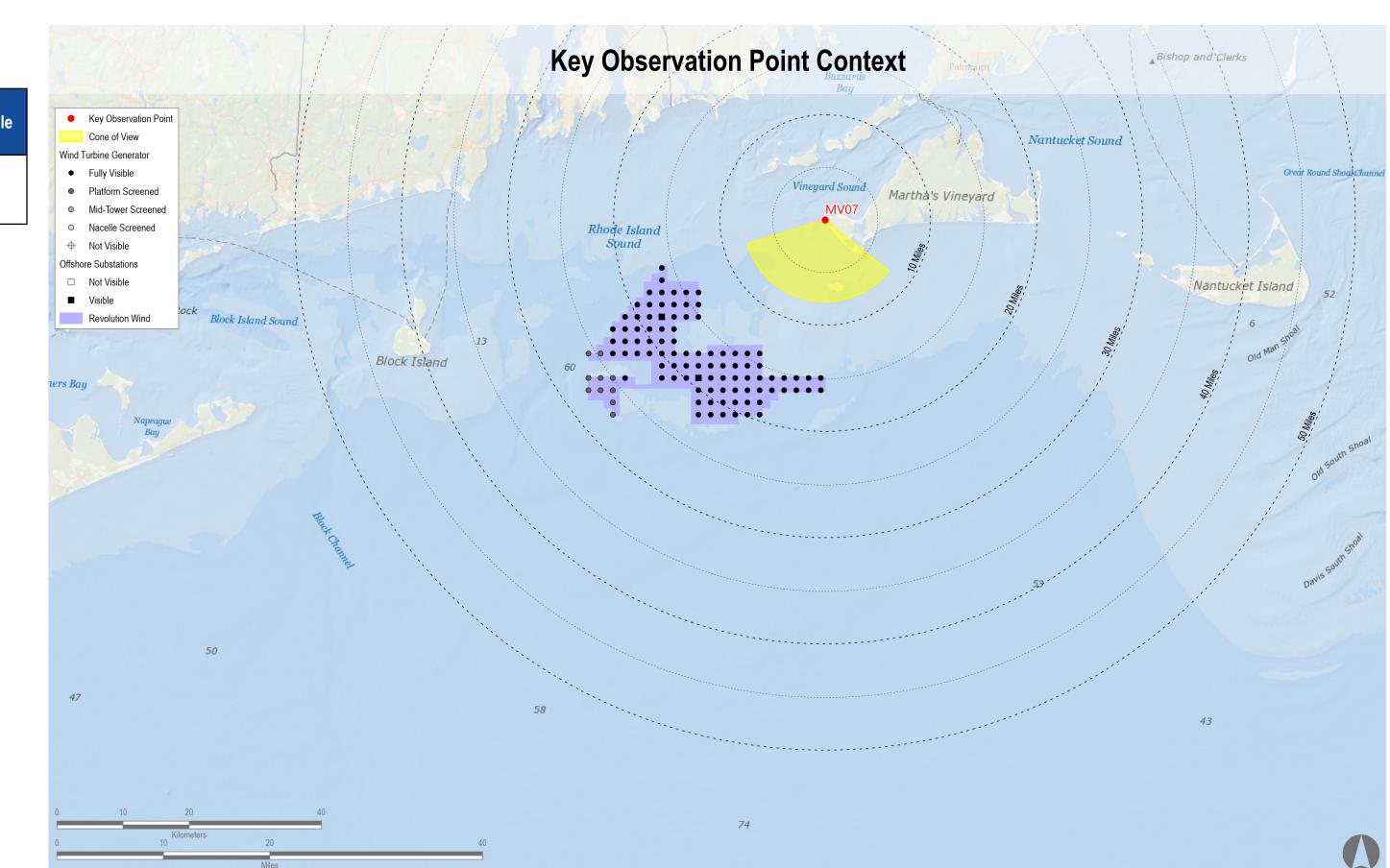
Town: Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34730° N, 70.83690° W

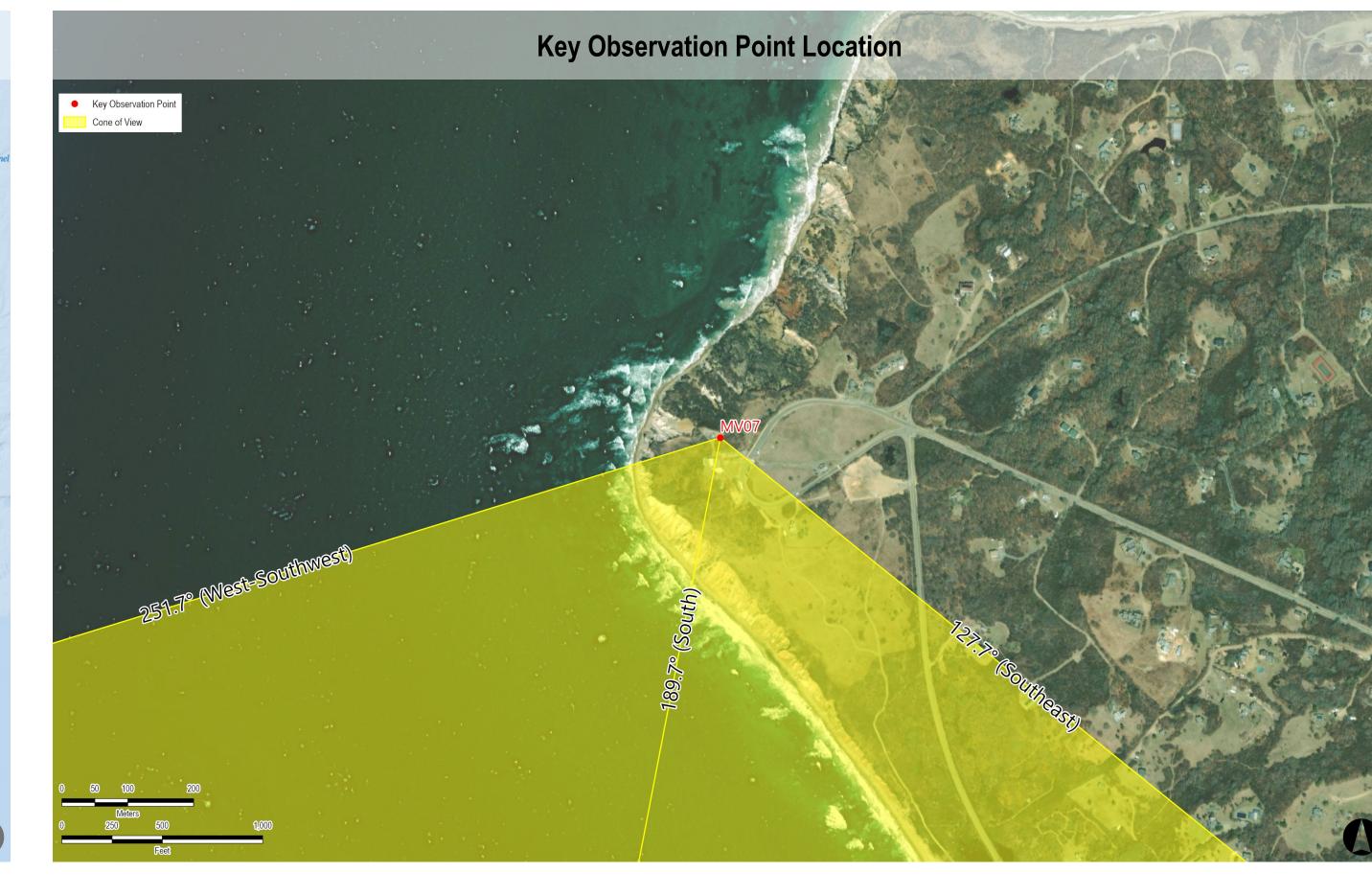
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Field of View: 124° x 55°

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Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)		
Revolution Wind	2023	12 MW	102	102	13.7	27.4		





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