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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

**Existing Conditions** 

**Environmental Data Date Taken:** 1/12/2022 Time: 11:40 AM Temperature: 40°F Humidity: 65% Visibility: >10 miles Wind Direction: Southwest

Wind Speed: 21 mph

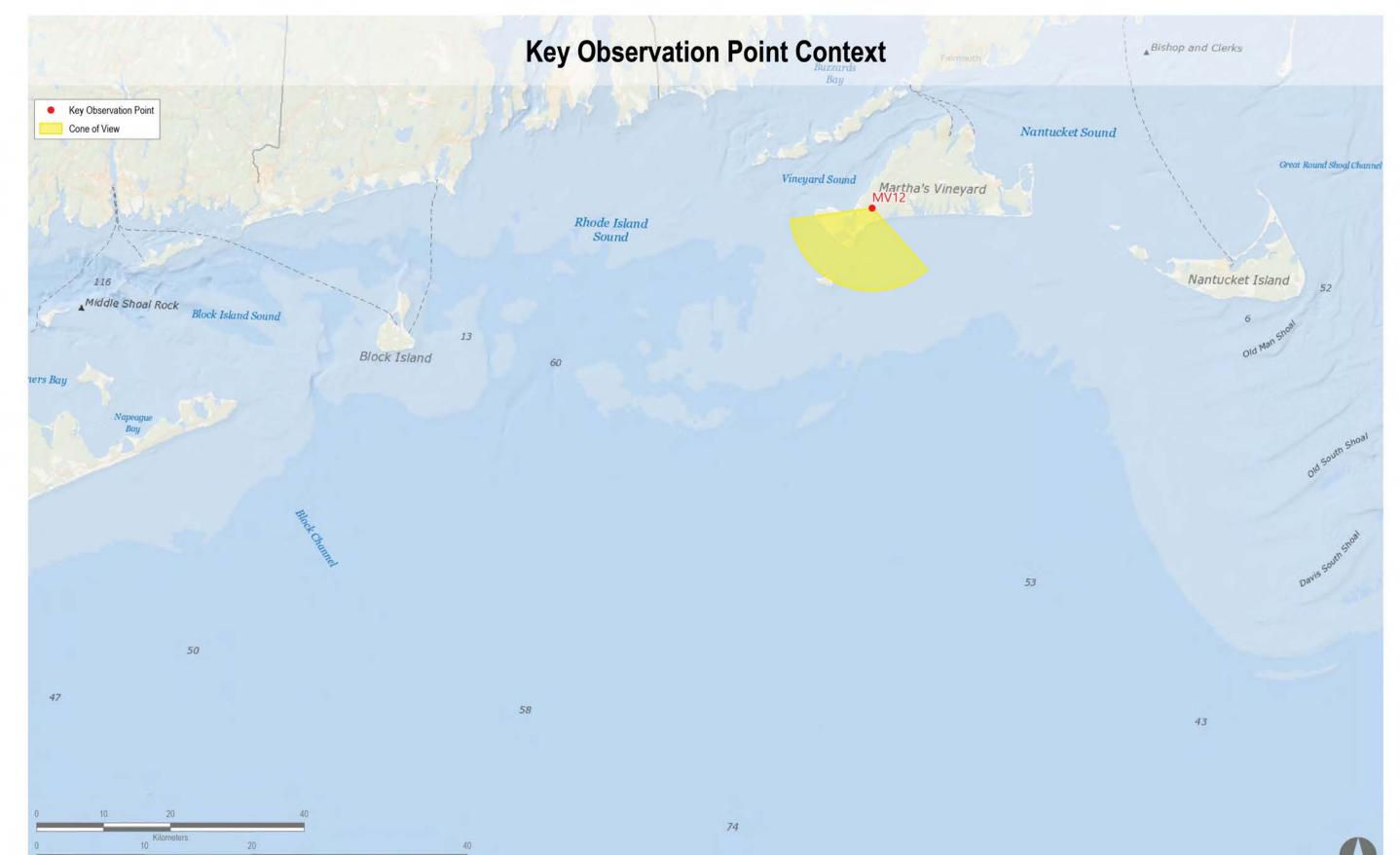
Conditions Observed: Cloudy

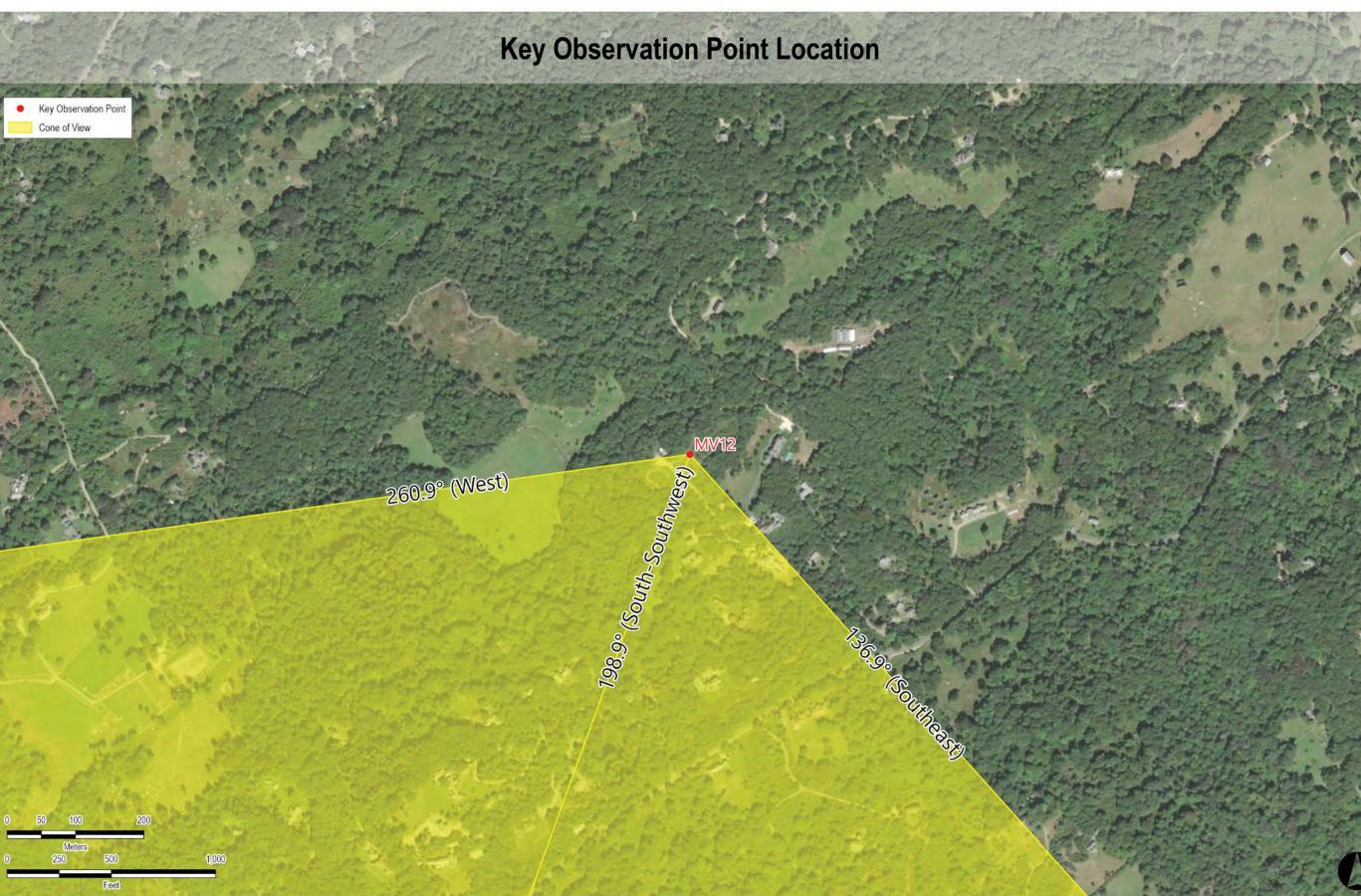
**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL **Key Observation Point Information** 

County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

**Visual Resources** Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of Gay Head

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind **Phase 1&2)** 

**Environmental Data Date Taken: 1/12/2022** Time: 11:40 AM Temperature: 40°F **Humidity:** 65% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL

three-dimensional (3D) model of the island.

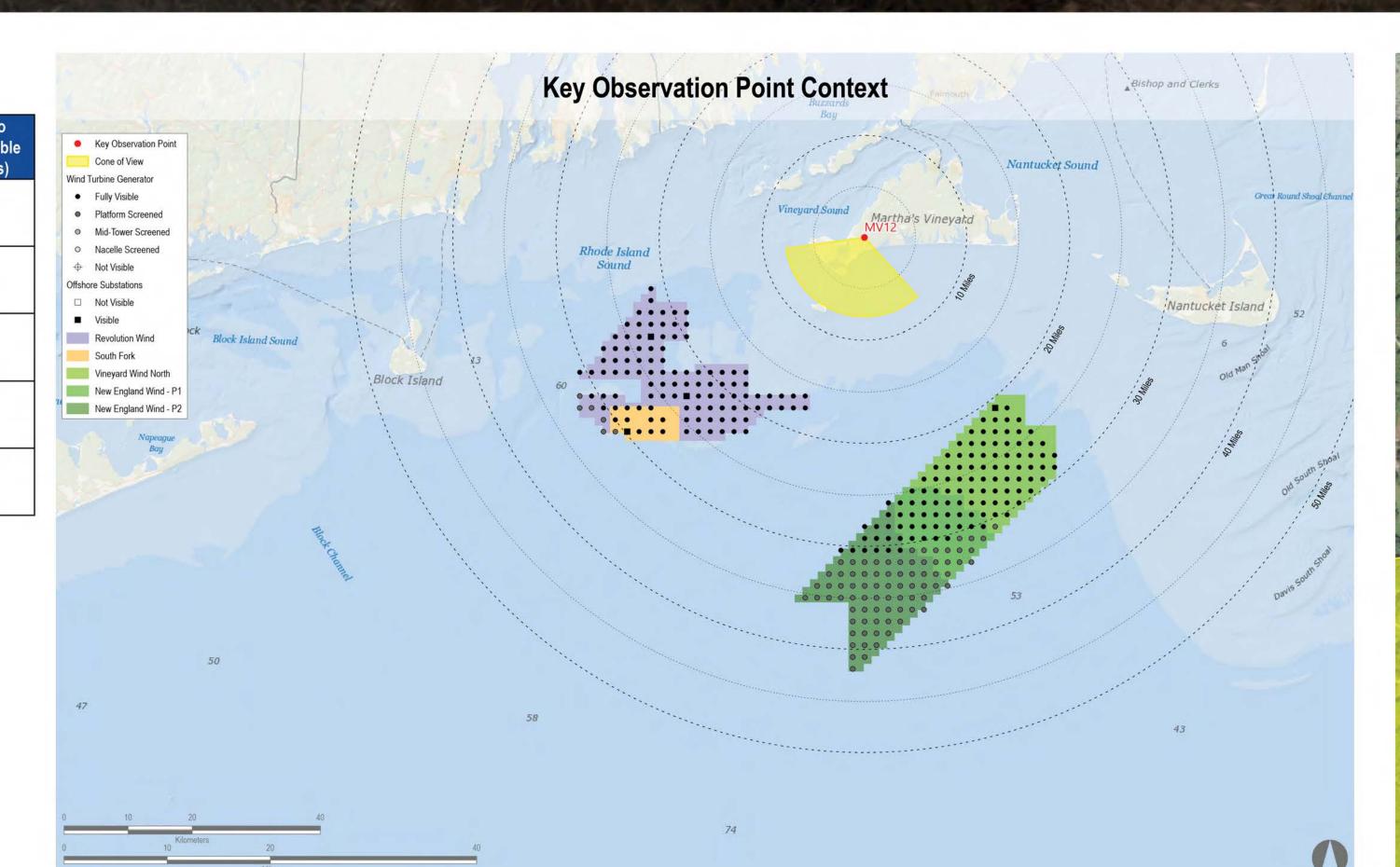
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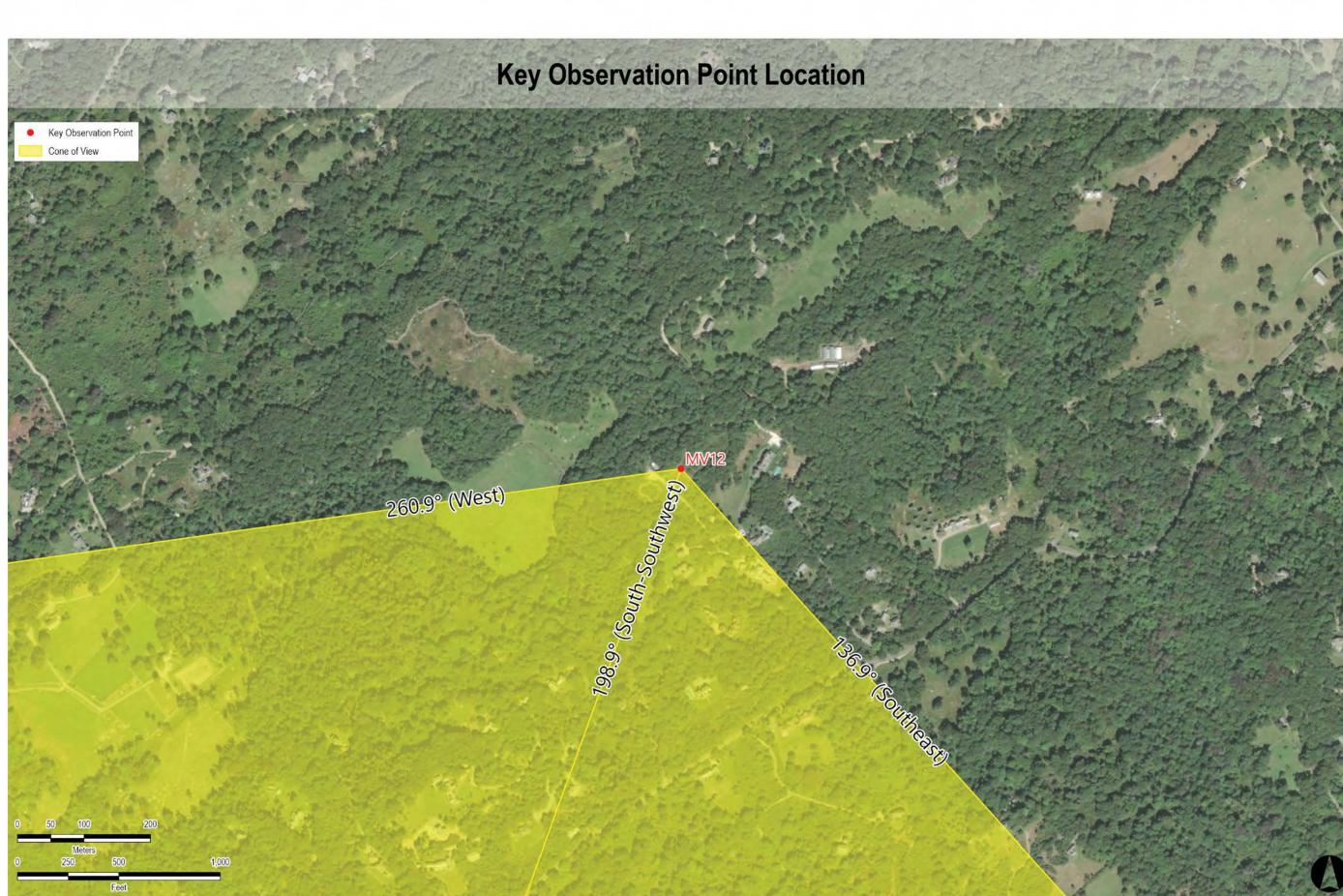
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Project	Year of Development	WTG Model	Potential Number of WTGs & OSSs Visible*	Total Number of WTGs & OSSs in Project	Distance to Nearest Visible WTG (miles)	Distance to Furthest Visible WTG (miles)
South Fork Wind Farm	2023	12 MW	13	13	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9







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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction with Sunrise Wind added (Sunrise Wind, Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

**Environmental Data Date Taken:** 1/12/2022 Time: 11:40 AM Temperature: 40°F **Humidity:** 65% Visibility: >10 miles Wind Direction: Southwest

Wind Speed: 21 mph

Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL

**Key Observation Point Information** County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

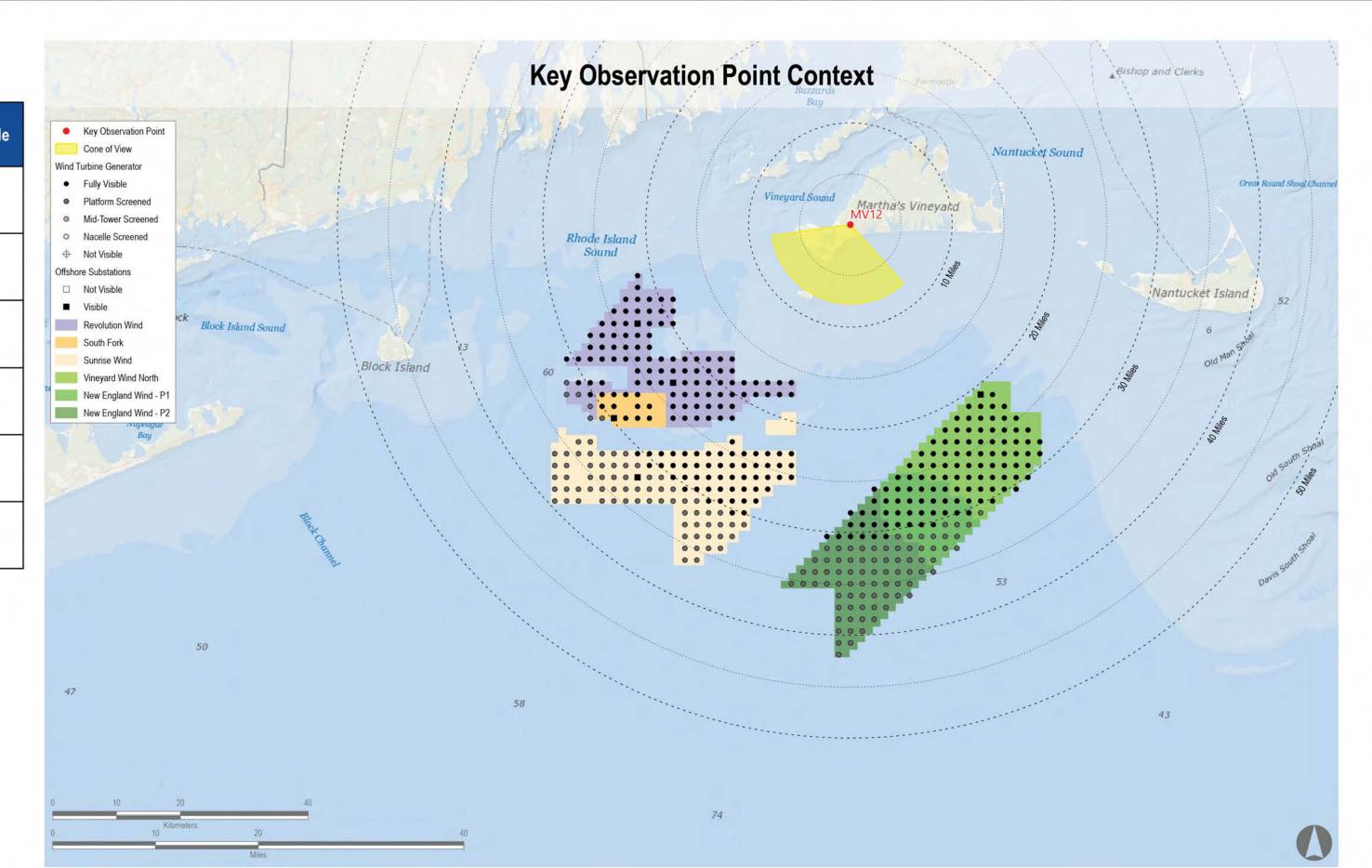
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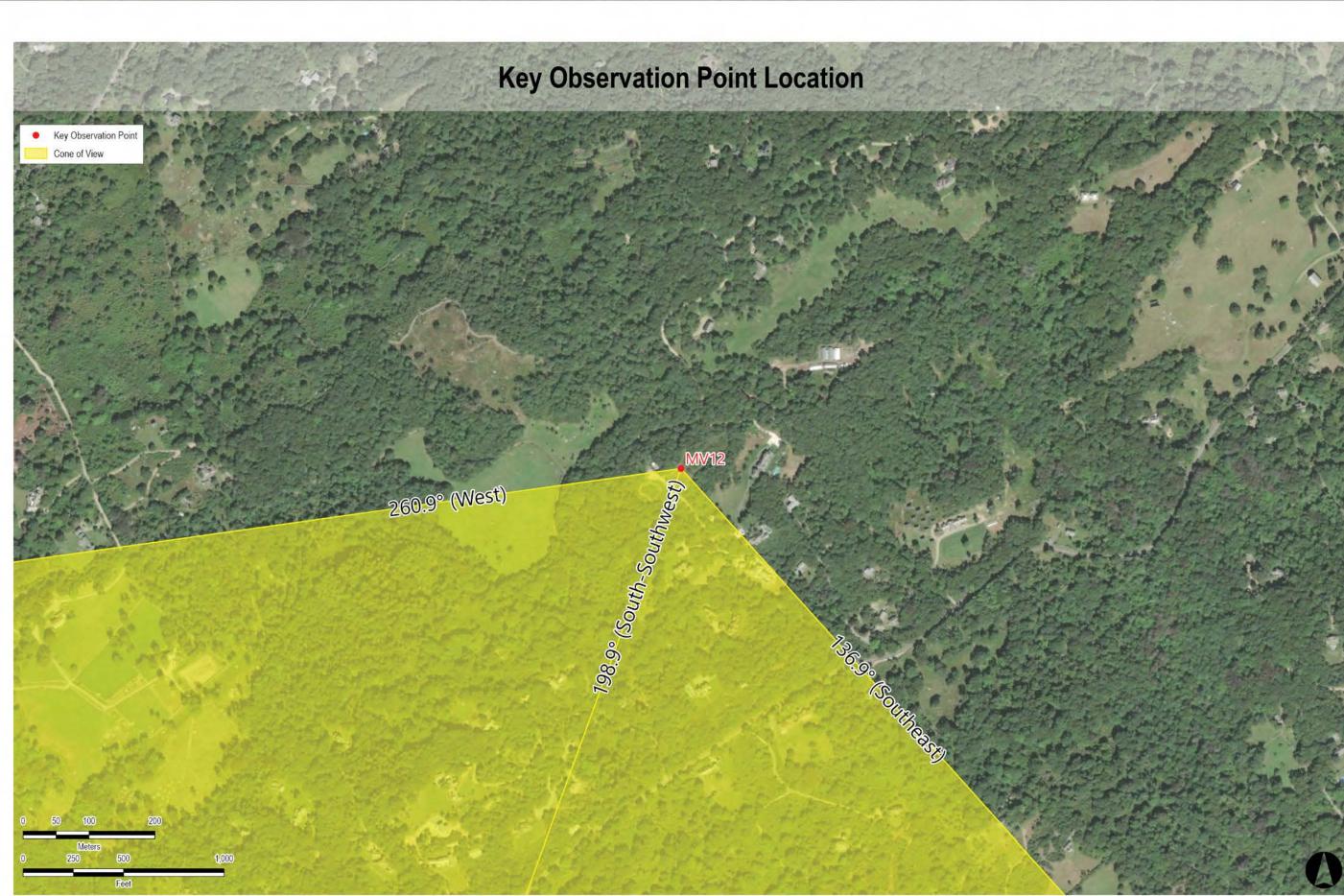
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Sunrise Wind	2024	15 MW	123	123	23.0	39.3







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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Full Lease Build-out Including Sunrise Wind

**Environmental Data Date Taken:** 1/12/2022 Time: 11:40 AM Temperature: 40°F **Humidity:** 65% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

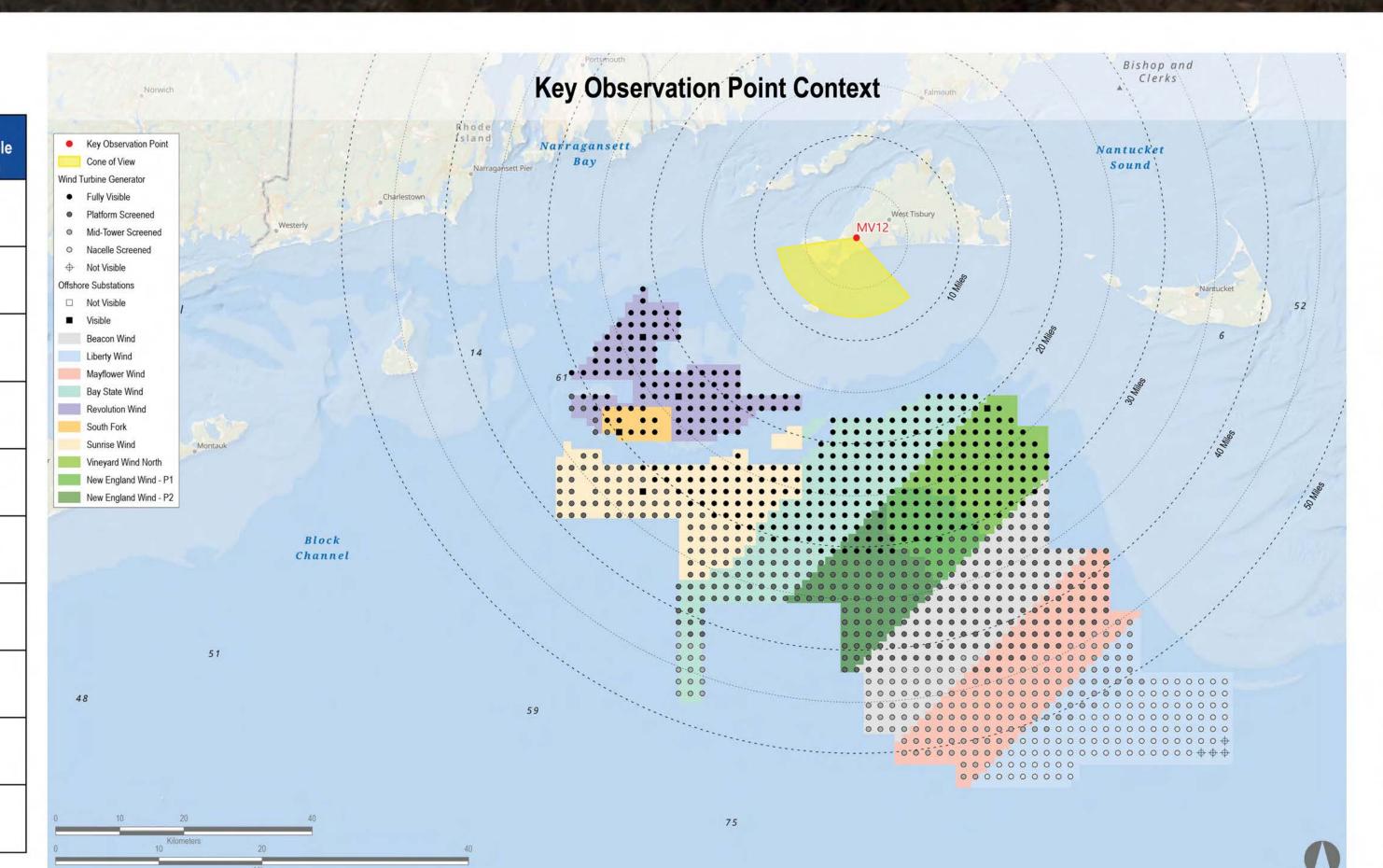
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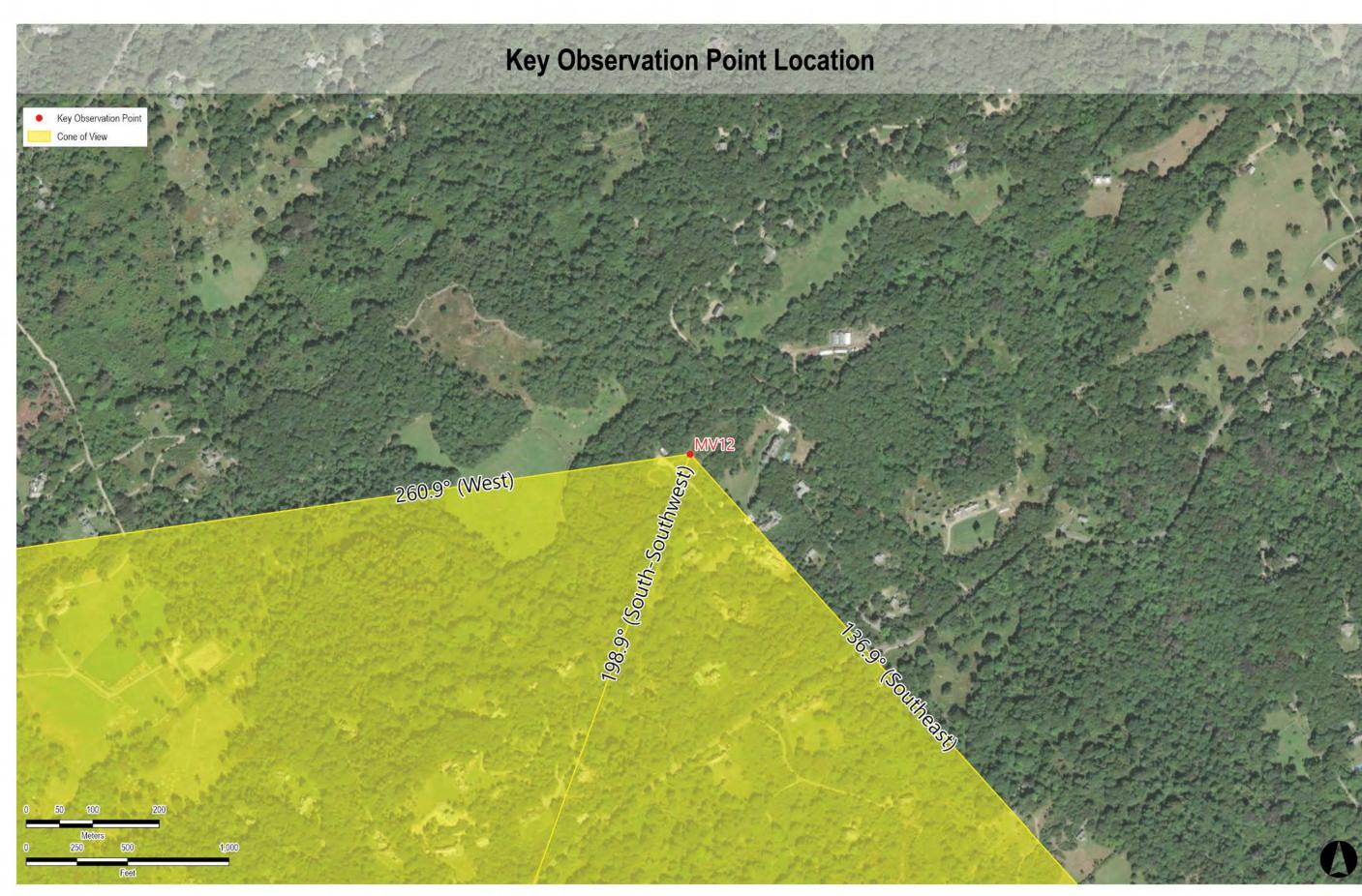
**Key Observation Point Information** County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

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Sunrise Wind	2024	15 MW	123	123	23.0	39.3
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

**Environmental Data Date Taken: 1/12/2022** Time: 11:40 AM Temperature: 40°F **Humidity:** 65% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL

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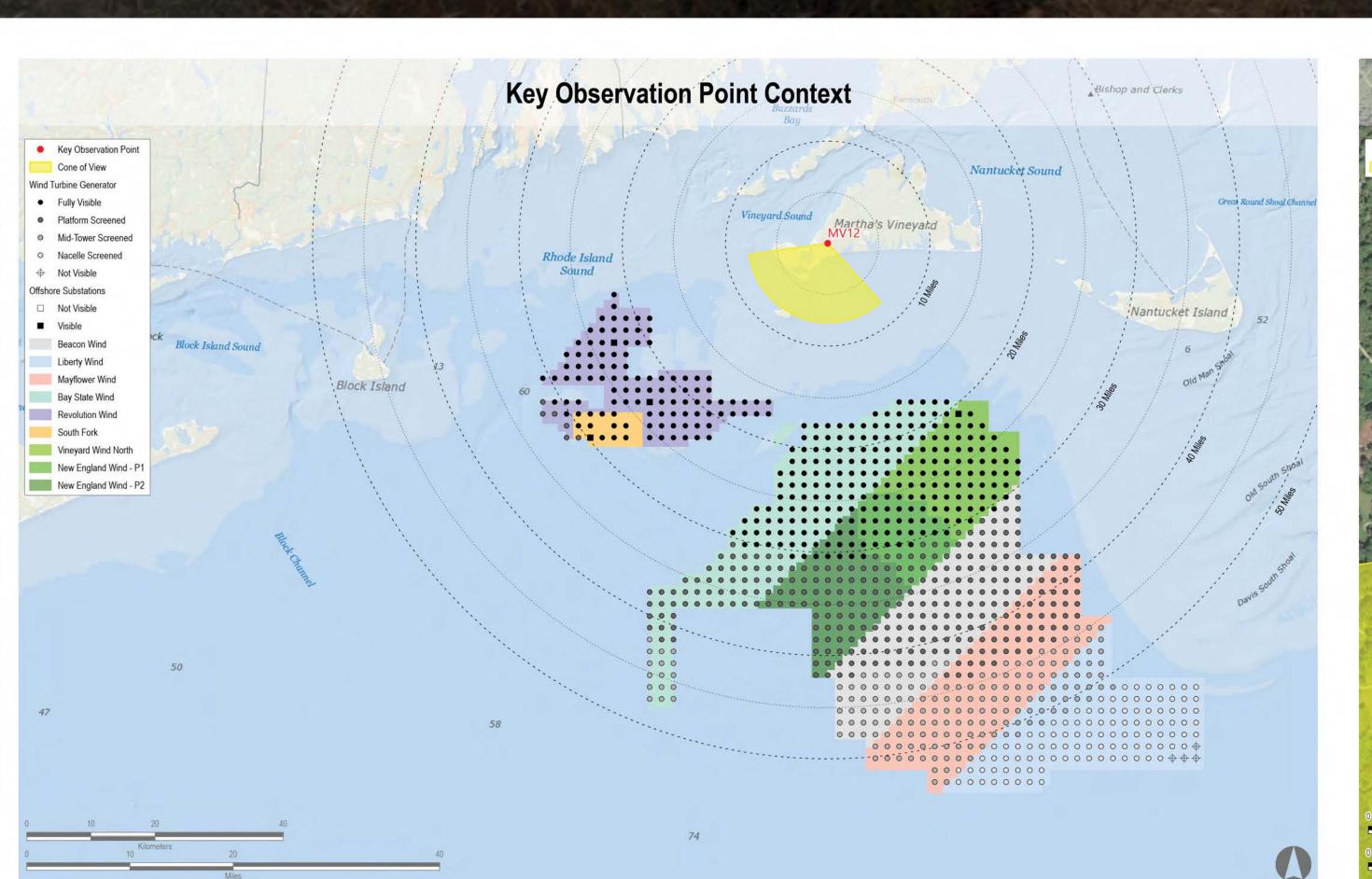
**Key Observation Point Information** County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

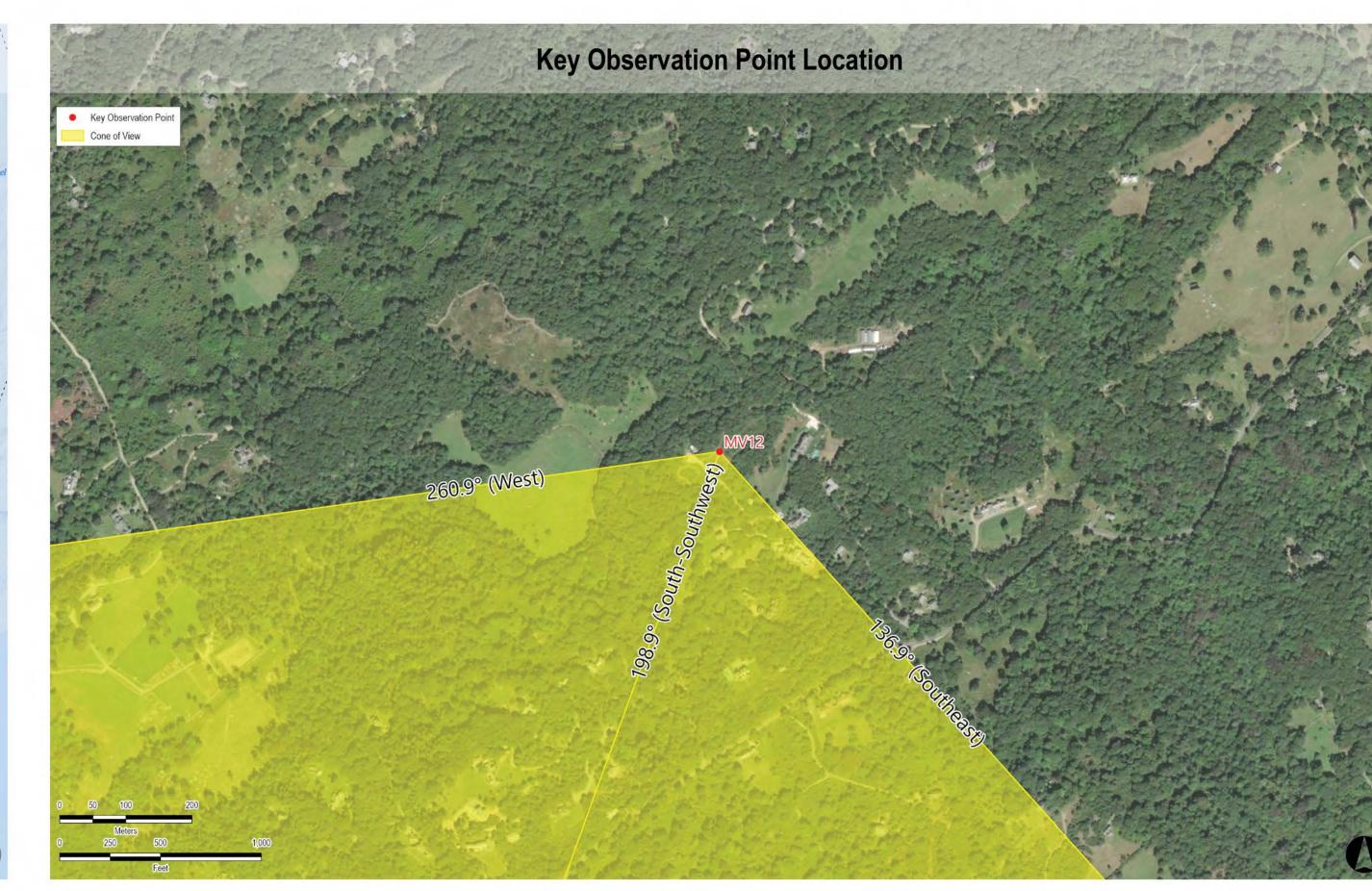
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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-A - Open Field: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

### **Environmental Data Date Taken:** 1/12/2022

Time: 11:40 AM Temperature: 40°F **Humidity:** 65% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 21 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 304.3 feet AMSL

### **Key Observation Point Information**

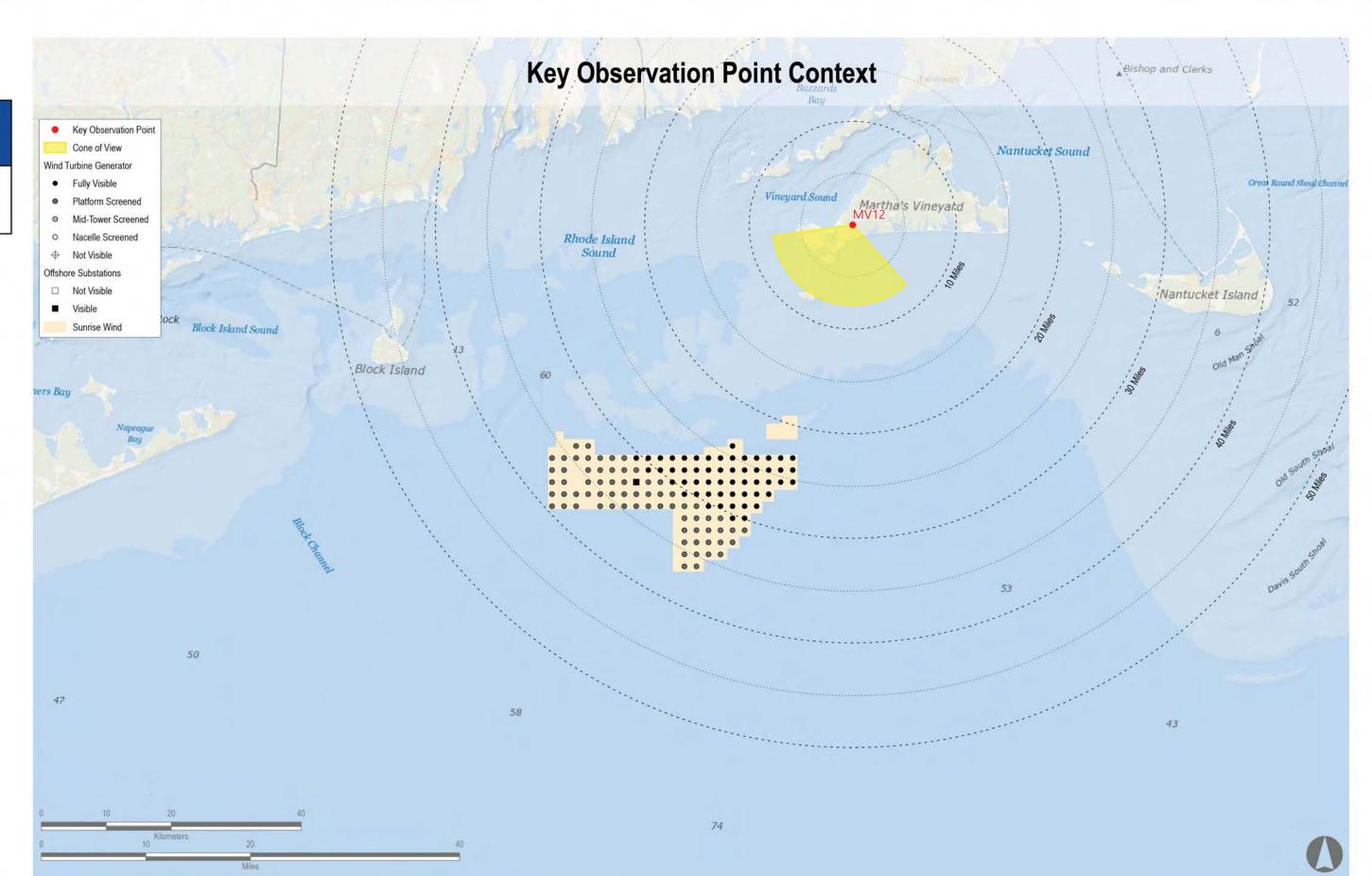
County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35537° N, 70.73474° W Direction of View (Center): South-Southwest (198.9°) Field of View: 124° x 55°

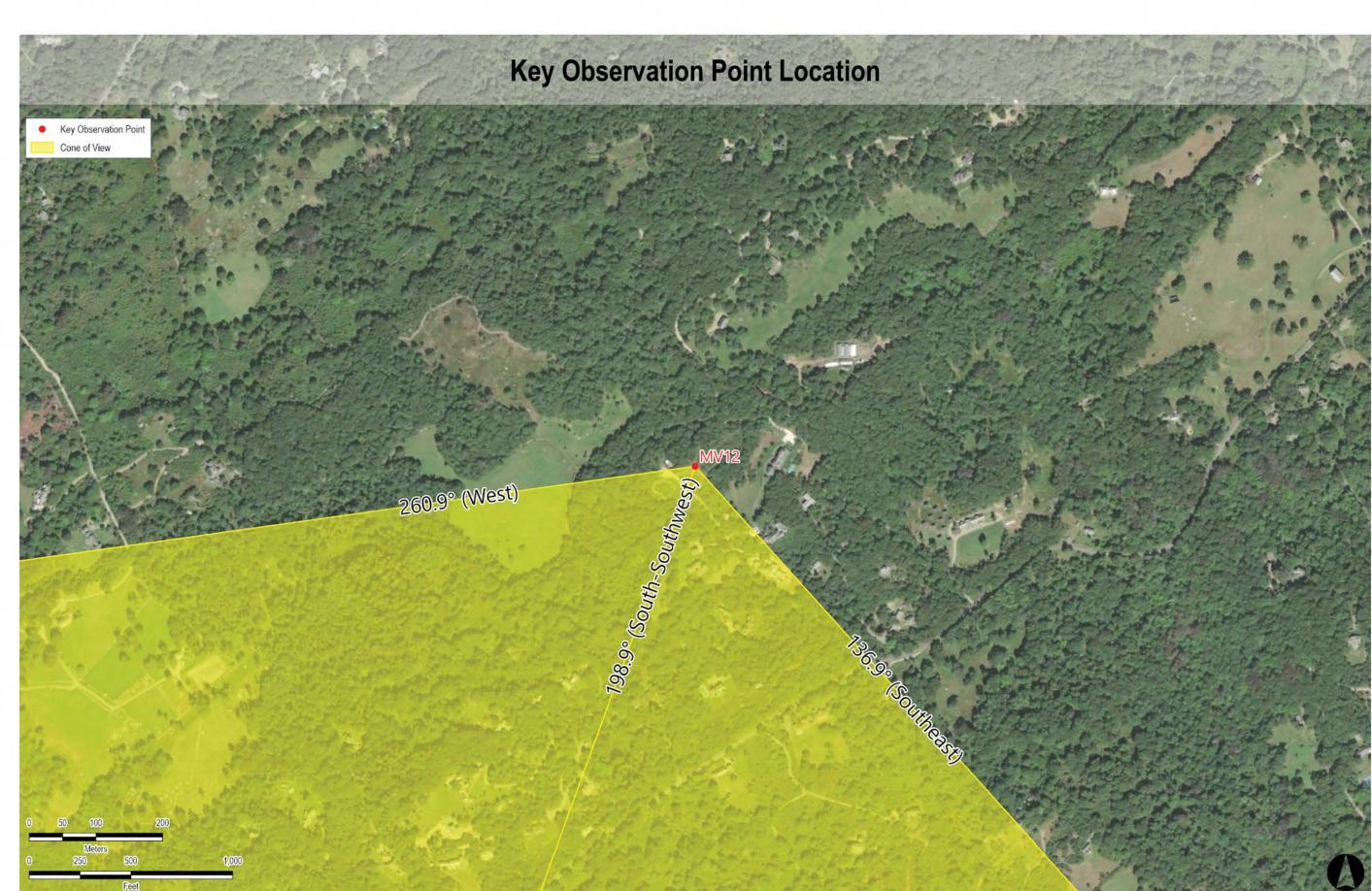
**Visual Resources** Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of

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### Passanably Farasasable Projects Penrocented 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)
Sunrise Wind	2024	15 MW	123	123	23.0	39.3







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MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

**Existing Conditions** 

**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

**Environmental Data** 

**Date Taken:** 1/12/2022

**Camera Information** 

Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL

**Key Observation Point Information** 

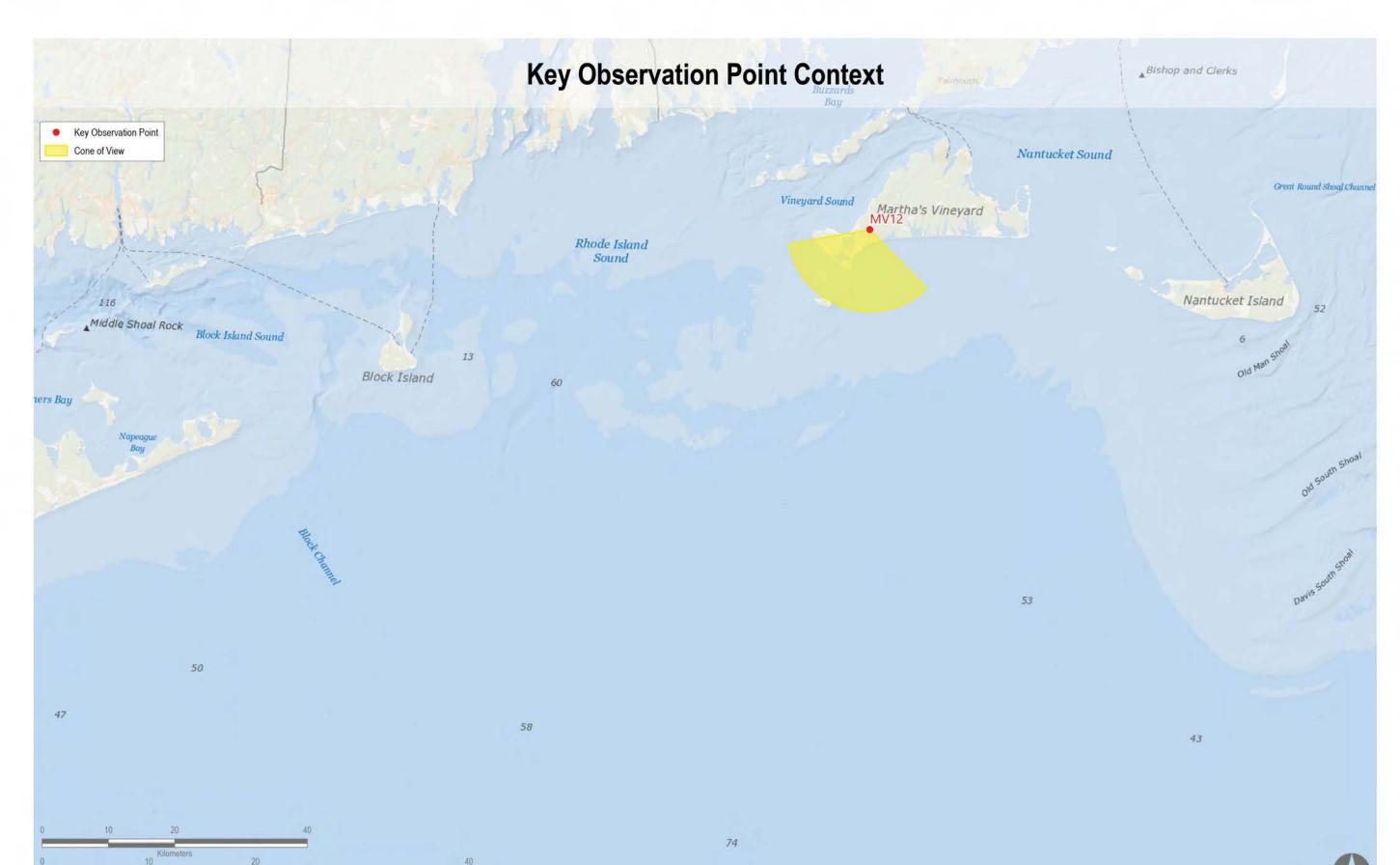
County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

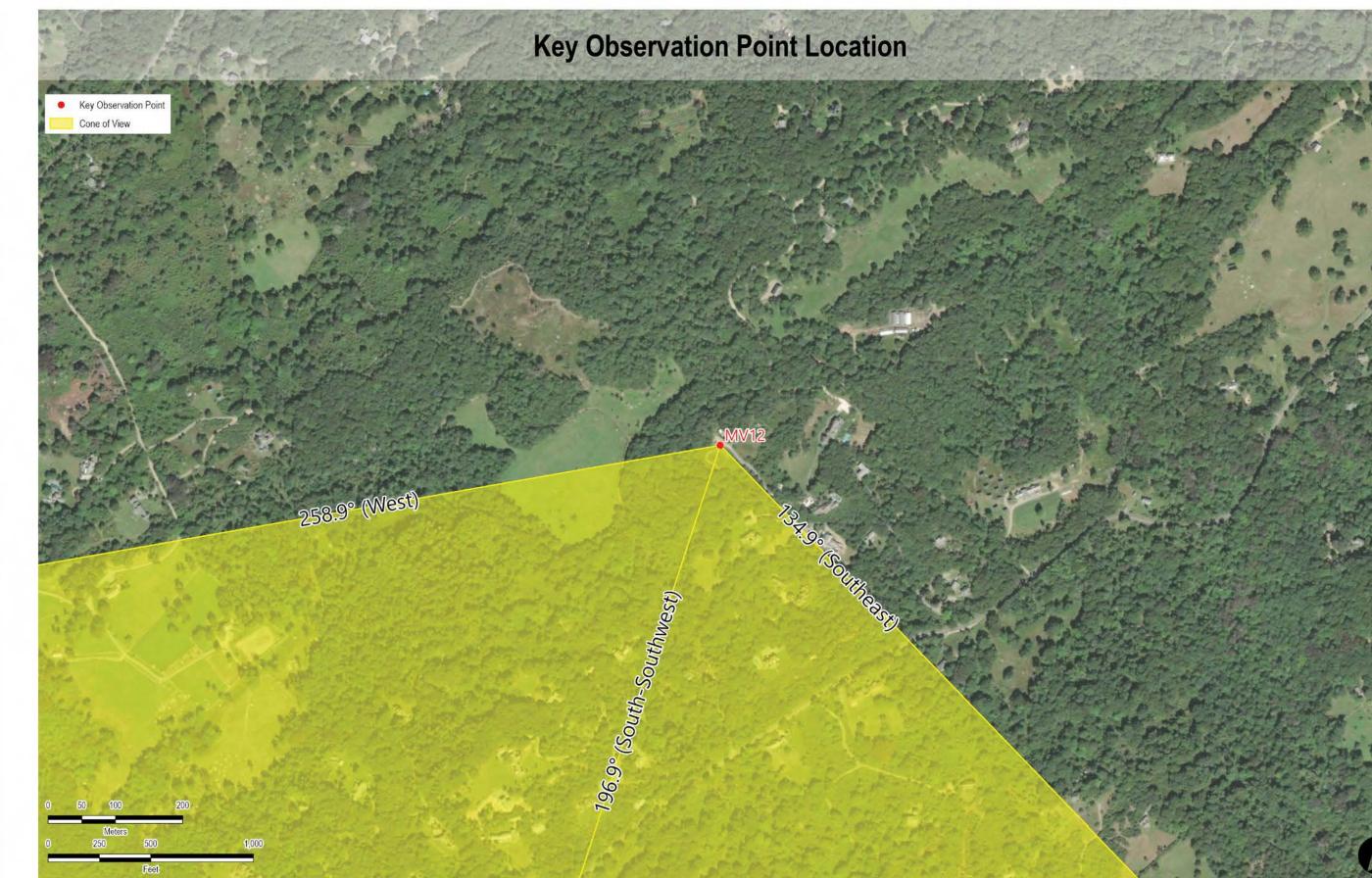
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MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind **Phase 1&2)** 

**Environmental Data Date Taken:** 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62% Visibility: >10 miles

Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL

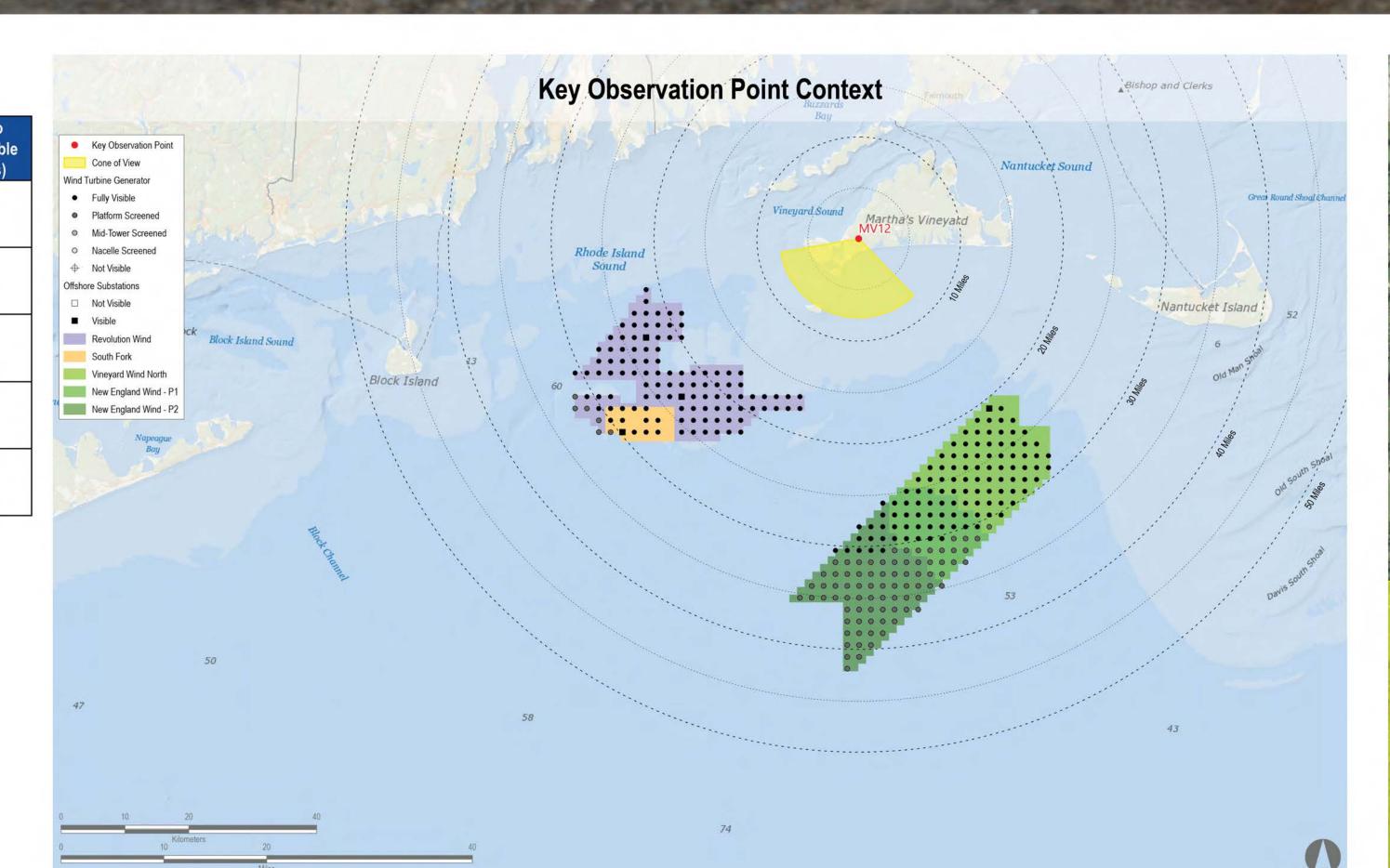
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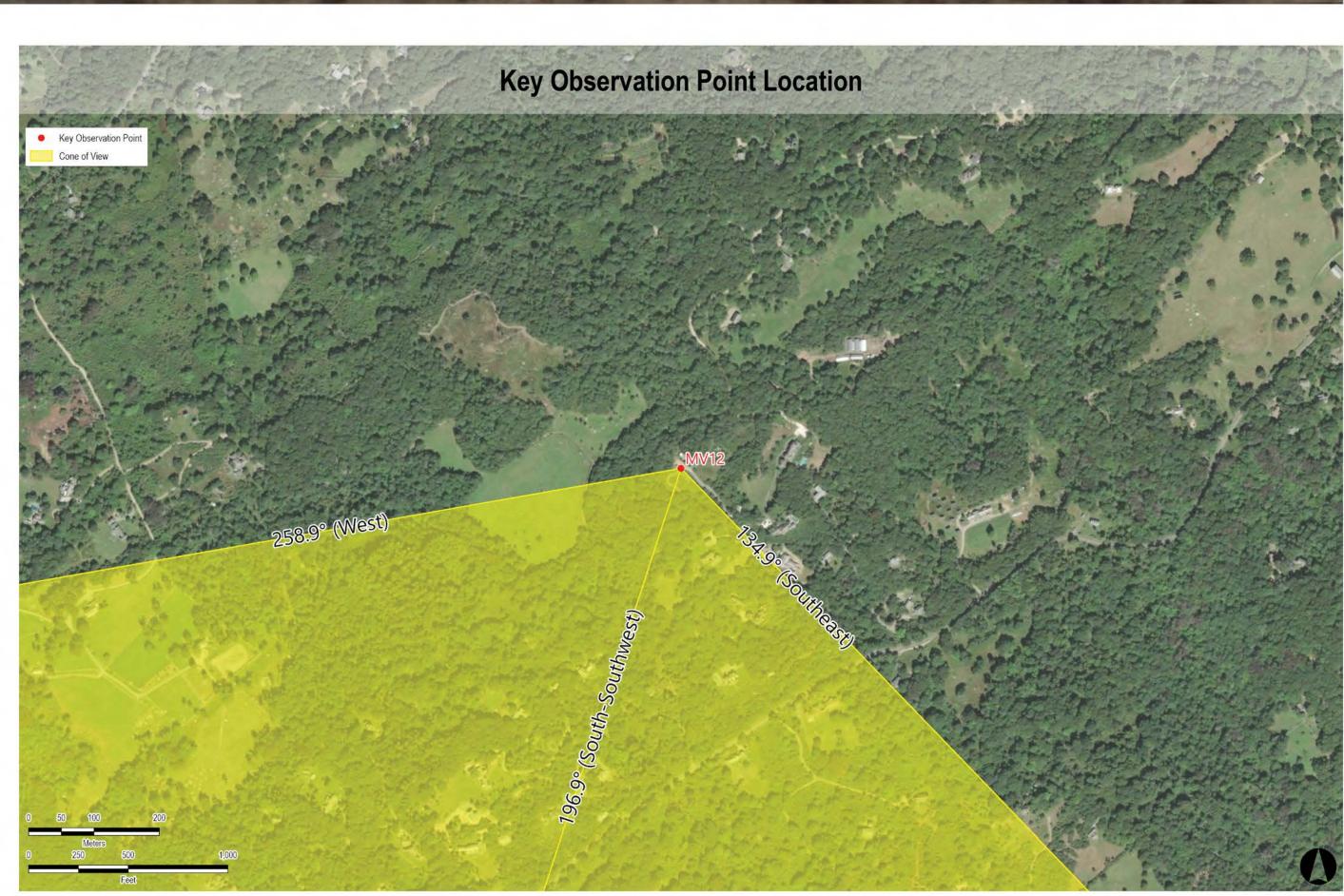
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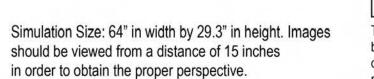
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MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

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**Environmental Data Date Taken:** 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62%

Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

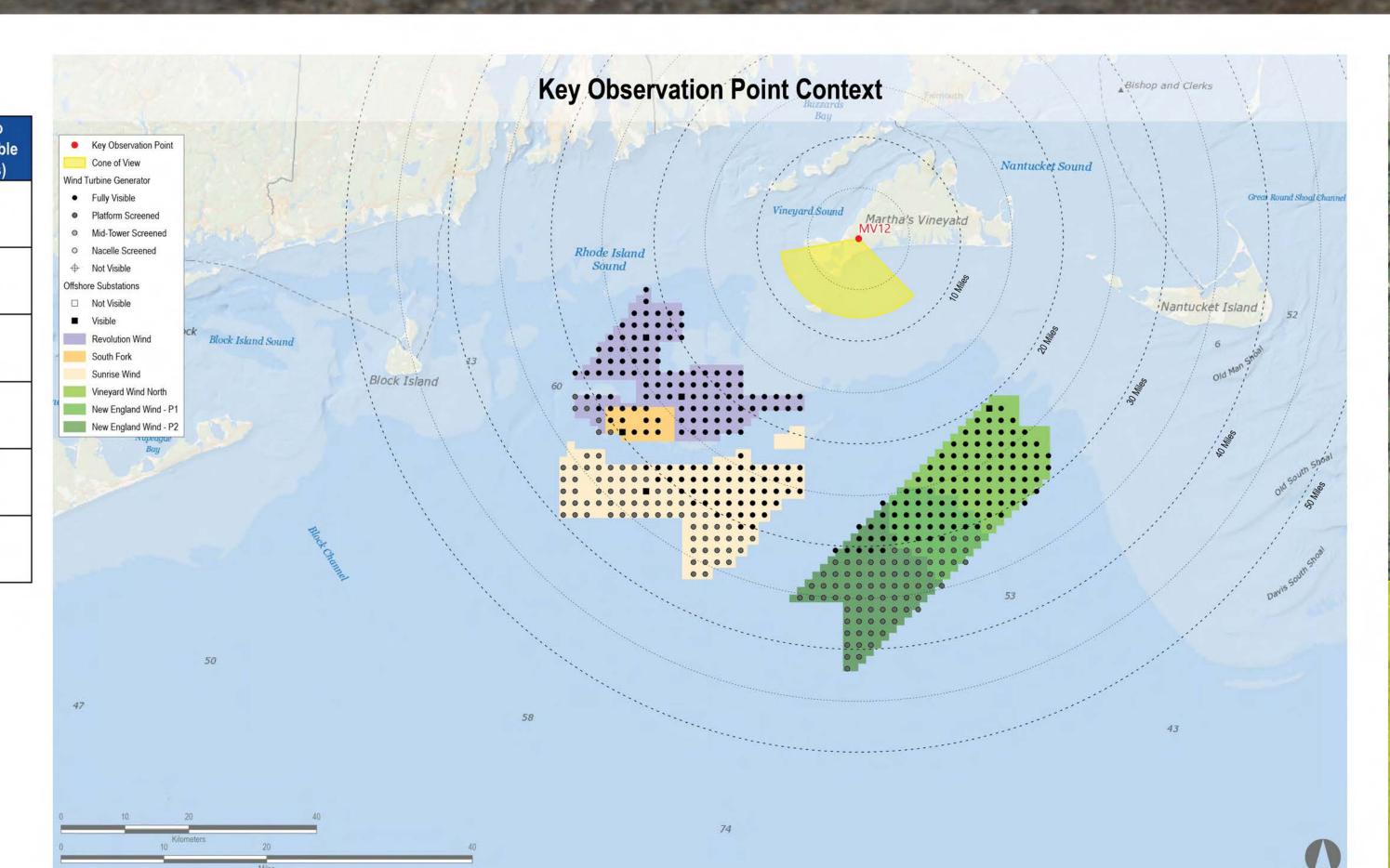
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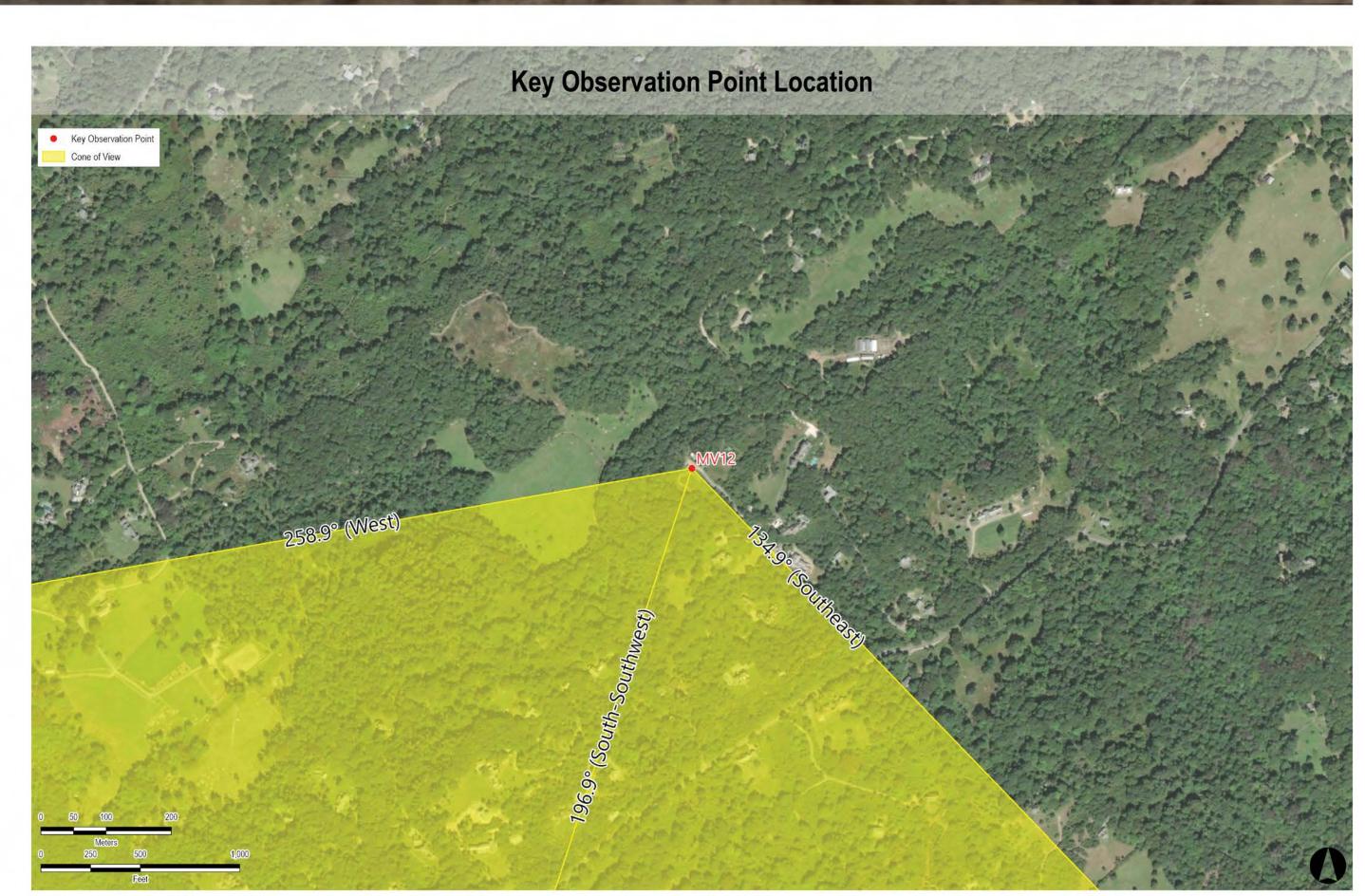
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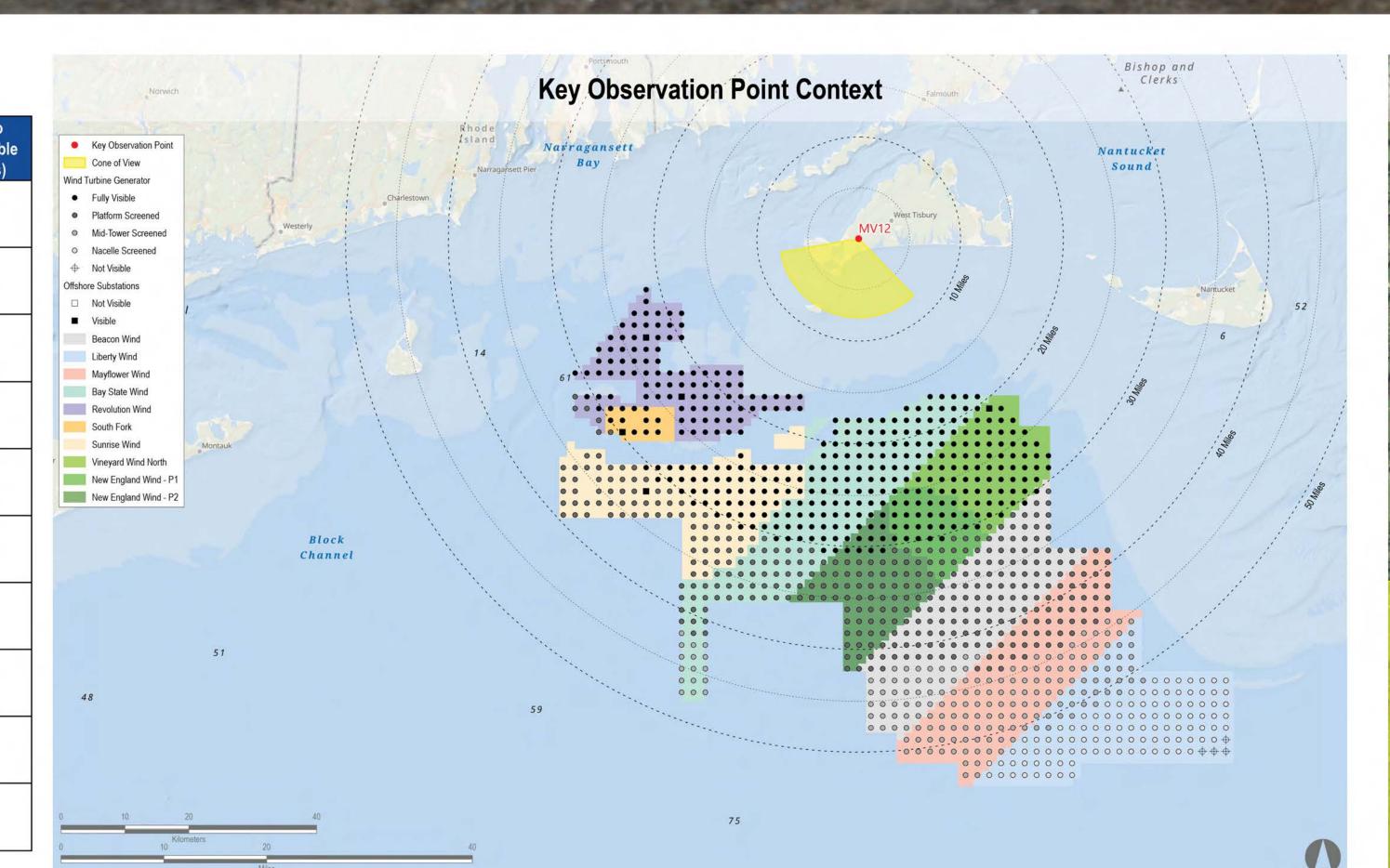
**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL

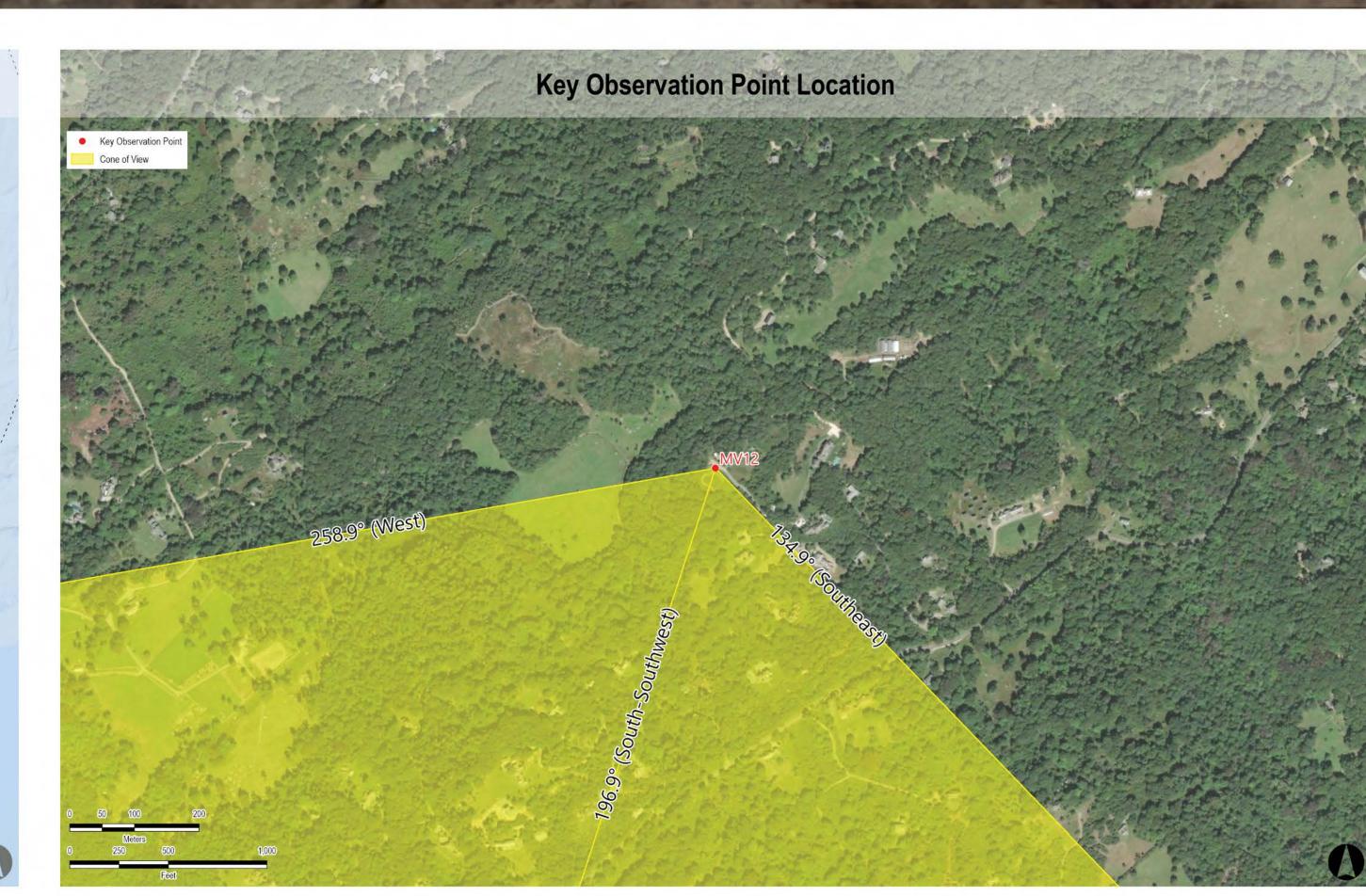
**Key Observation Point Information** County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

**Visual Resources** Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- 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
- 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
- WTG, this degree of atmospheric perspective is not applied to the photosimulations.
- structure height. This analysis does not consider the screening effects of intervening vegetation, structures, and topography.
- 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
- 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.

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Sunrise Wind	2024	15 MW	123	123	23.0	39.3
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Full Lease Build-out Excluding Sunrise Wind

**Environmental Data Date Taken:** 1/12/2022 Time: 12:35 PM Temperature: 42°F

Humidity: 62% Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

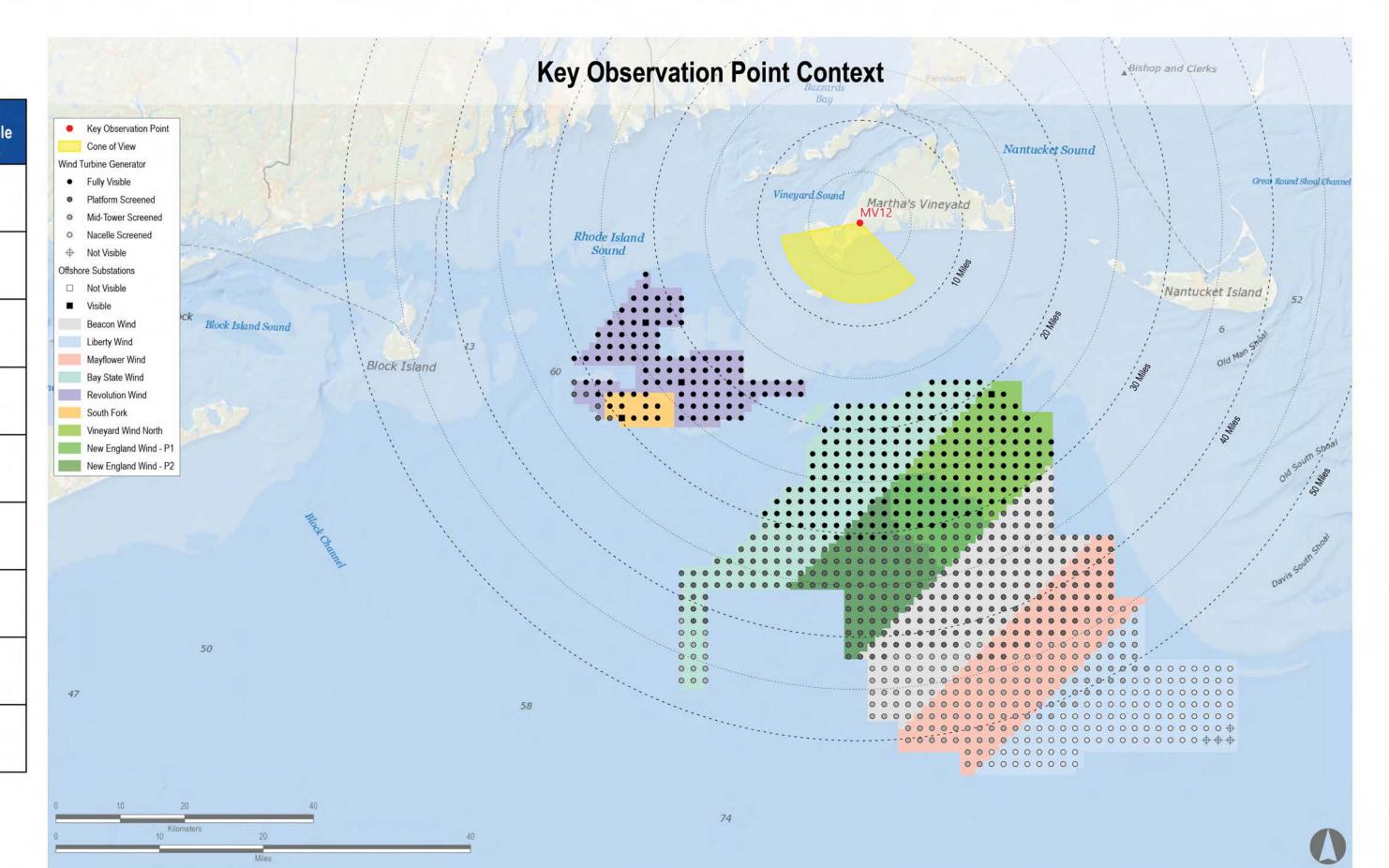
**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL

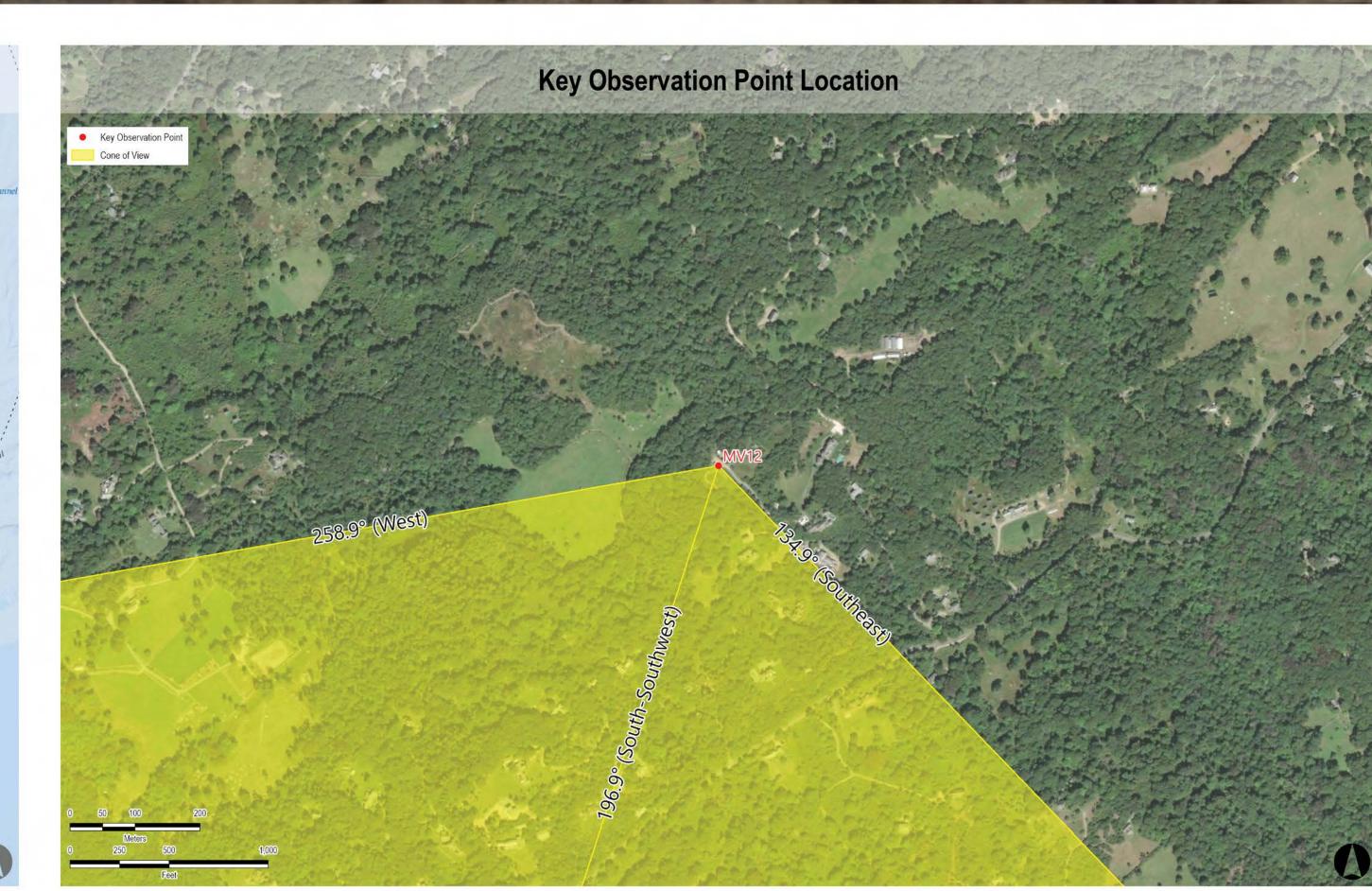
**Key Observation Point Information** County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

**Visual Resources** Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- 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.

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	26.3	30.6
Vineyard Wind North	2023	14 MW	69	69	20.8	30.7
Revolution Wind	2023	12 MW	102	102	16.4	32.1
New England Wind Phase 1	2024	16 MW	41	41	25.0	33.6
New England Wind Phase 2	2024	19 MW	79	79	25.8	41.9
Mayflower Wind	2024	12 MW	149	149	38.1	53.5
Liberty Wind	2025-2030	12 MW	135	139	46.0	61.3
Beacon Wind	2025-2030	12 MW	157	157	30.0	47.8
Bay State Wind	2025-2030	12 MW	185	185	16.8	47.4







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**Appendix A: Sunrise Wind Cumulative Visual Simulations** 

MV12-B - Parking Area: Peaked Hill Reservation, Chilmark, Massachusetts

Visual Simulation: Sunrise Wind Without Other Foreseeable Future Changes

**Environmental Data Date Taken:** 1/12/2022 Time: 12:35 PM Temperature: 42°F Humidity: 62%

Visibility: >10 miles Wind Direction: Southwest Wind Speed: 17 mph Conditions Observed: Cloudy

**Camera Information** Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 303.8 feet AMSL

**Key Observation Point Information** 

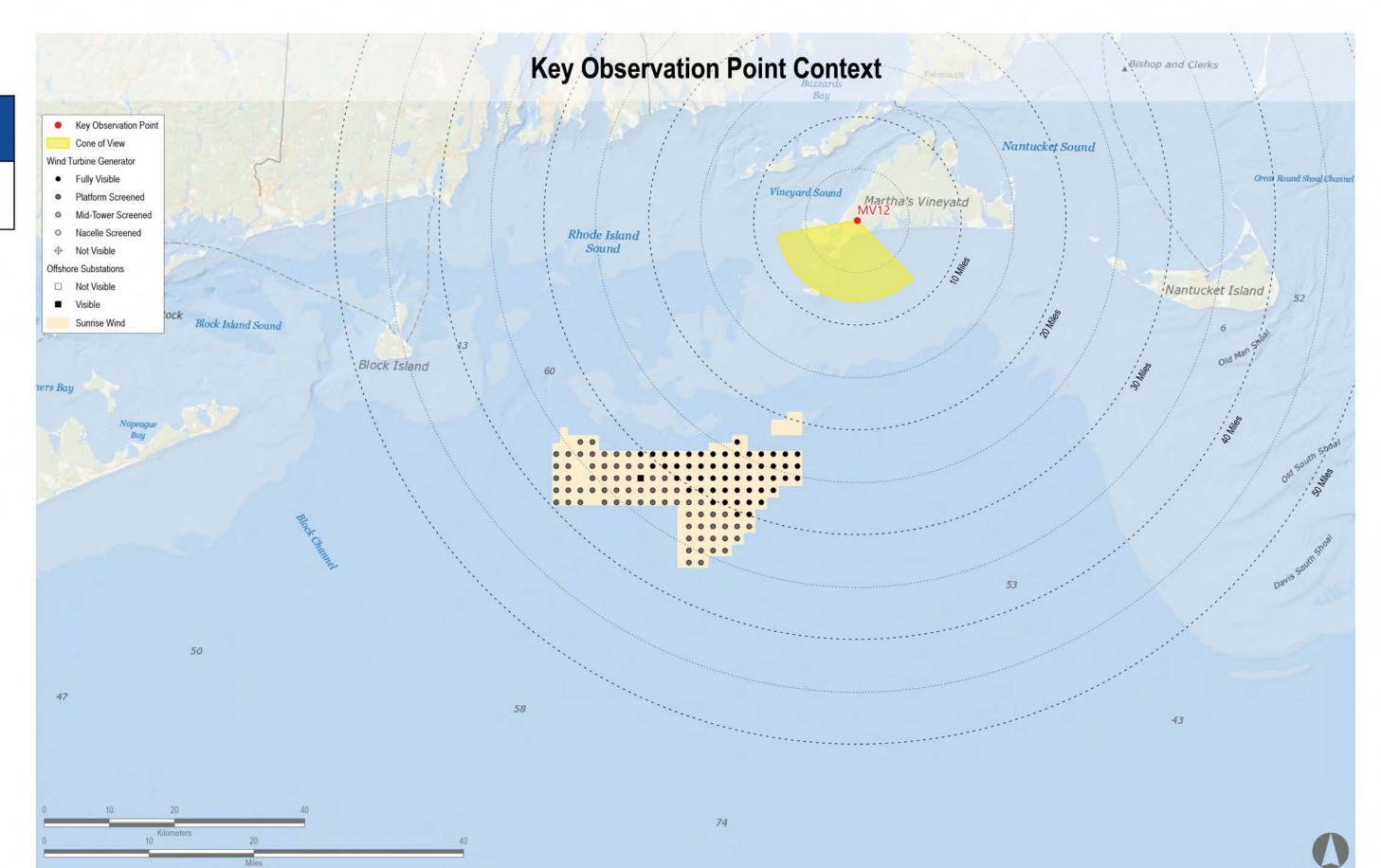
County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.35523° N, 70.73524° W Direction of View (Center): South-Southwest (196.9°) Field of View: 124° x 55°

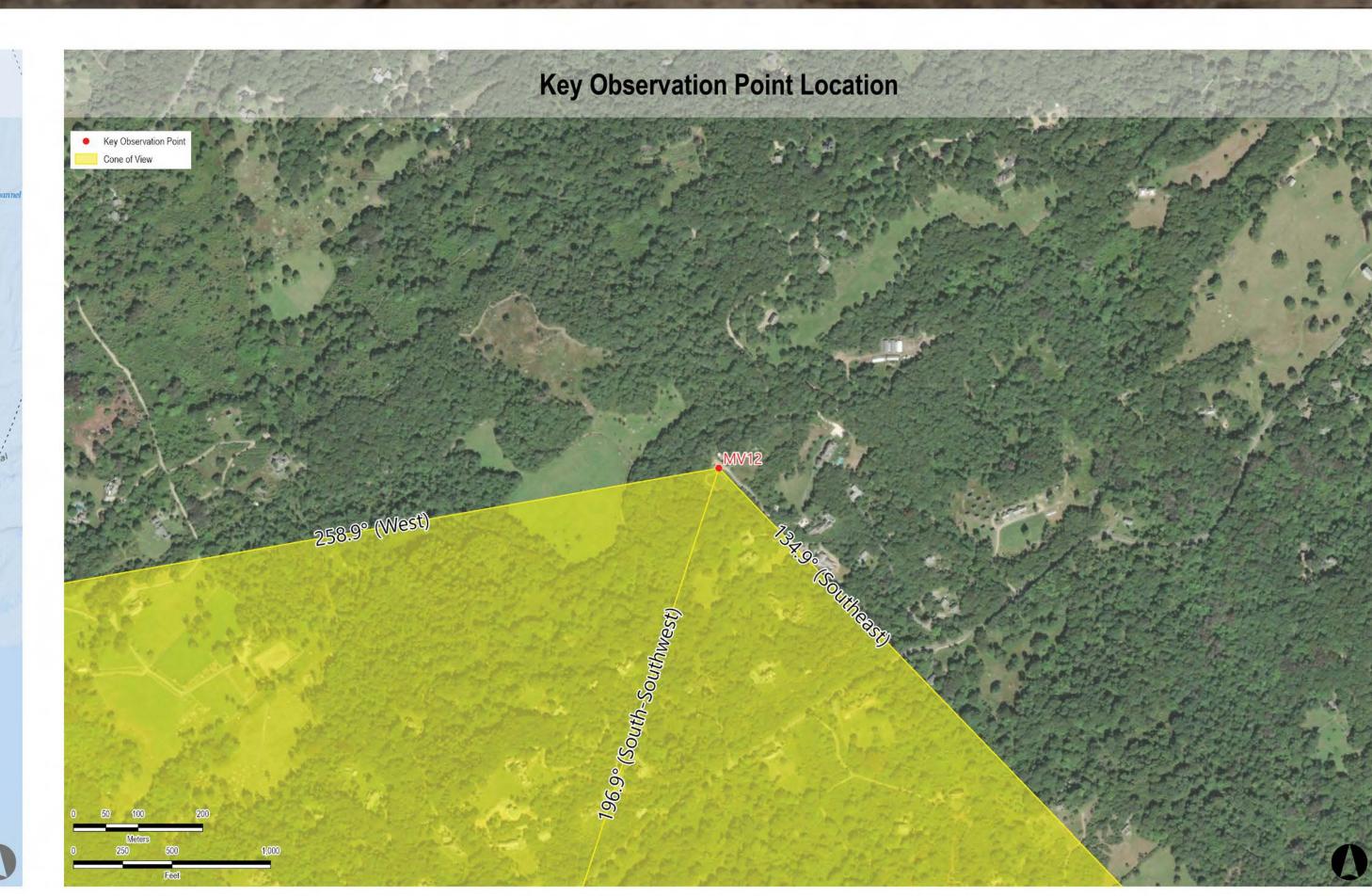
**Visual Resources** Landscape Similarity Zone: Forest User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Identified by the Wampanoag of

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.
- 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.

### Peaconably Forecoable Projects Penrocented in Visual Simulation

Reasonably	Reasonably 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)			
Sunrise Wind	2024	15 MW	123	123	23.0	39.3			







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Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

be exactly 1" long on the printed

**Existing Conditions** 

**Environmental Data** Date Taken: 9/12/2021 Time: 10:50 AM Temperature: 76°F Humidity: 74% Visibility: >10 miles Wind Direction: South-Southwest Wind Speed: 17 mph Conditions Observed: Fair

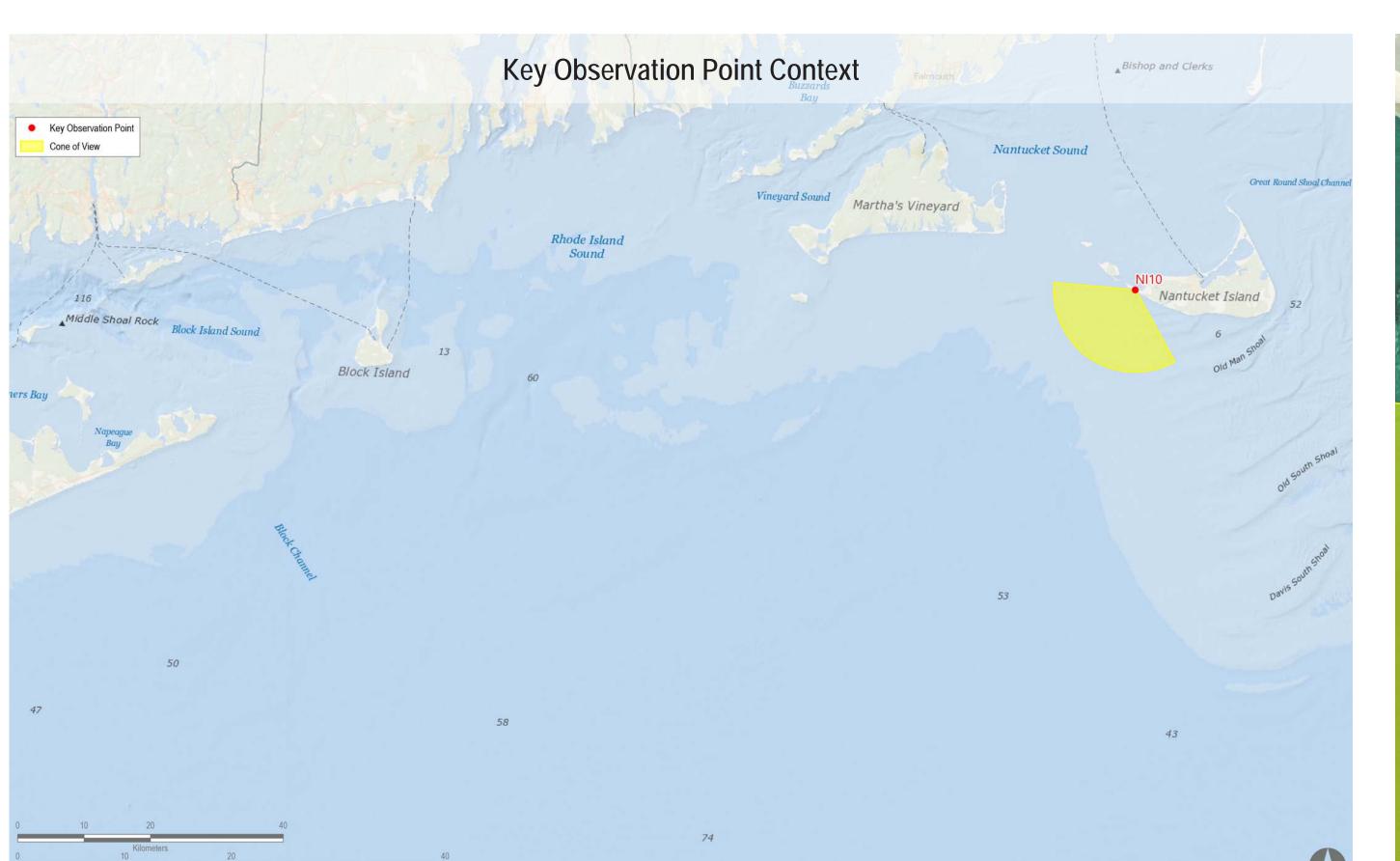
Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 15.4 feet AMSL **Key Observation Point Information** County: Nantucket Town: Nantucket State: Massachusetts Location: Nantucket Latitude, Longitude: 41.27401° N, 70.21141° W Direction of View (Center): South-Southwest (212.3°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

- Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective. • 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

Nighttime photosimulations are digitally adjusted from daytime photographs. Nighttime photographs captured at each represented KOP inform the presence or lack of

- 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.
- 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.







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Appendix A: Sunrise Wind Cumulative Visual Simulations

NI10: Madaket Beach, Nantucket, Massachusetts

on the printed

Visual Simulation: 2023 and 2024 Project Construction (Revolution Wind, South Fork Wind, Vineyard Wind North, and New England Wind Phase 1&2)

• Photosimulation Size: 64" in width by 29.3" in height. Images should be viewed from 15 inches in order to obtain the proper perspective.

**Time**: 10:50 AM

Temperature: 76°F Humidity: 74% Visibility: >10 miles

Camera Information

Wind Direction: South-Southwest

Camera: Canon EOS 5D Mark IV

Camera Height: 15.4 feet AMSL

three-dimensional (3D) model of the island.

Resolution: 30.4 Megapixels

Lens Focal Length: 50 mm

Wind Speed: 17 mph Conditions Observed: Fair

 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

**Key Observation Point Information Environmental Data** Date Taken: 9/12/2021

County: Nantucket Town: Nantucket State: Massachusetts Location: Nantucket Latitude, Longitude: 41.27401° N, 70.21141° W Direction of View (Center): South-Southwest (212.3°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Shoreline Beach User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Madaket Beach, Nantucket National Historic Landmark

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	0	13	NA	NA
Vineyard Wind North	2023	14 MW	69	69	16.8	27.5
Revolution Wind	2023	12 MW	36	102	34.1	43.9
New England Wind Phase 1	2024	16 MW	41	41	26.5	32.7
New England Wind Phase 2	2024	19 MW	79	79	31.6	45.5

