#### Appendix I Seascape, Landscape, and Visual Impacts Assessment

#### **ATTACHMENT I-3**

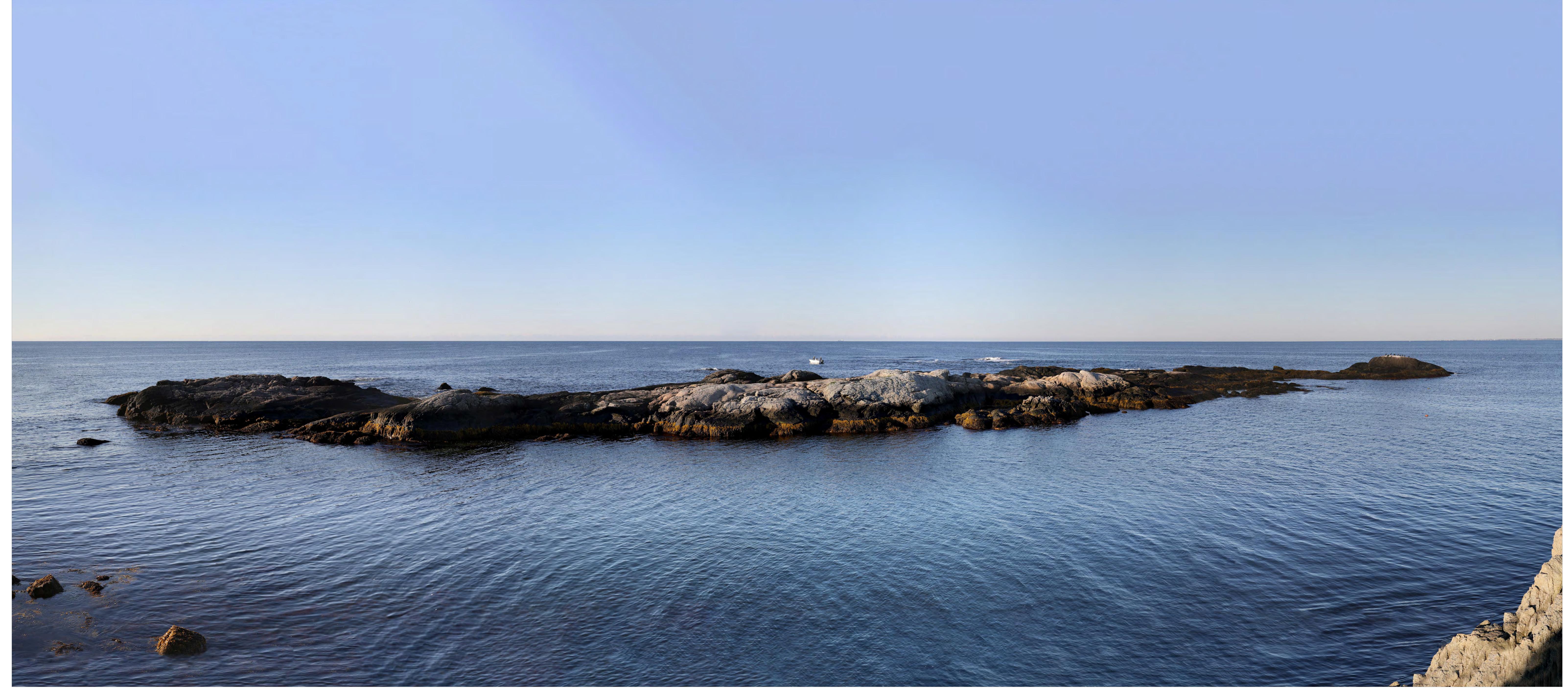
**Key Observation Points Visual Simulations** of Proposed Action - Project Design Envelope (PDE)

(Source: EDR 2022, Sunrise Wind 2022)

#### **ATTACHMENT I-3C**

Key Observation Points Visual Simulations of Proposed Action - Project Design Envelope (PDE) Panorama Visual Simulations

(Source: EDR 2022, Sunrise Wind 2022)



Powered by Ørsted & Eversource

Appendix C2: Sheet 1 of 16

Al03: Newport Cliff Walk, Newport, Rhode Island

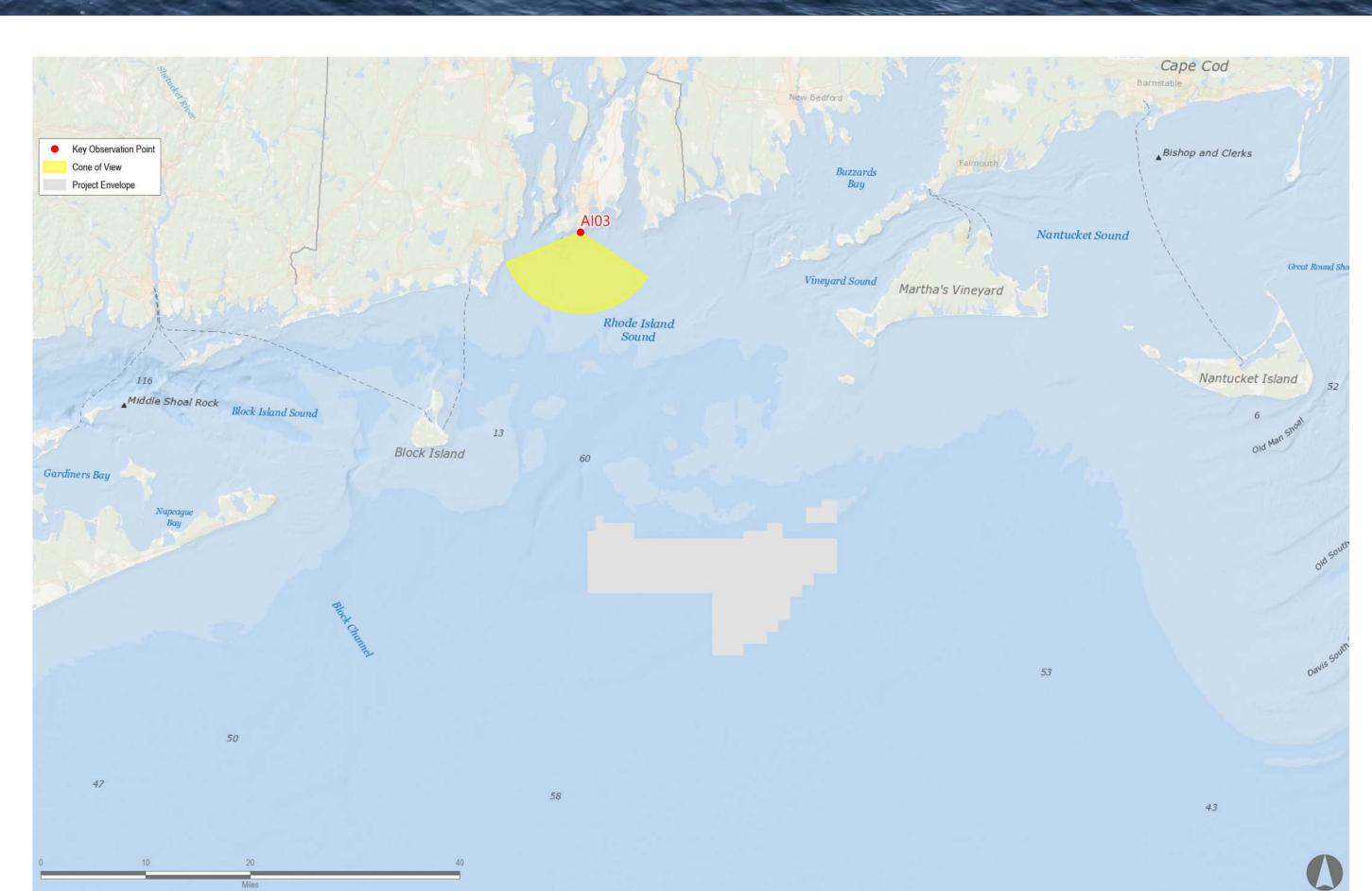
**Existing Conditions** 

**Environmental Data** Date Taken: 7/26/2017 **Time**: 7:03 AM Temperature: 70°F
Humidity: 68%
Visibility: >10 miles
Wind Direction: South Wind Speed: 8 mph Conditions Observed: Clear

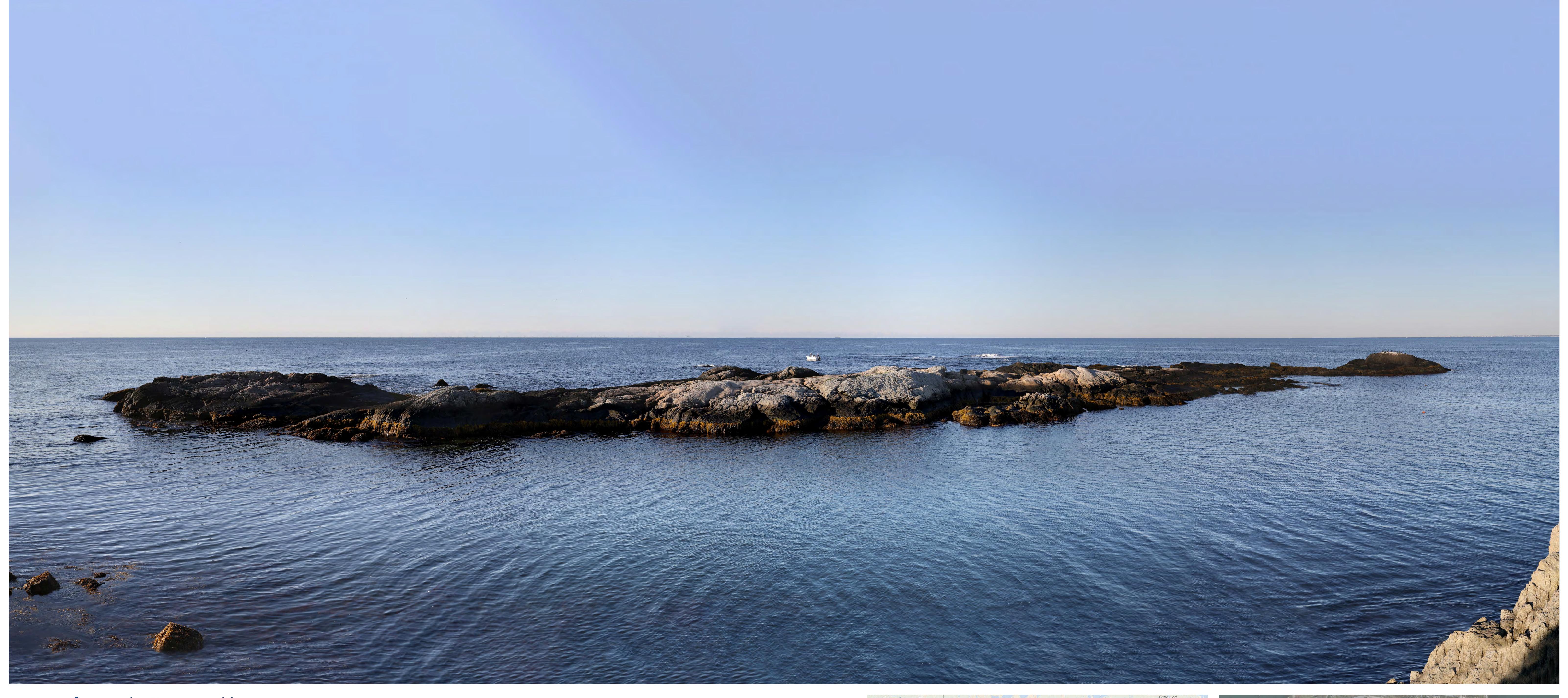
Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 22.8 feet AMSL

Key Observation Point Information
County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South (181.1°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Cliff Walk National Recreation Trail, Newport/Ocean Drive State Scenic Area, Newport Historic District







Powered by Ørsted & Eversource

Appendix C2: Sheet 2 of 16

Al03: Newport Cliff Walk, Newport, Rhode Island

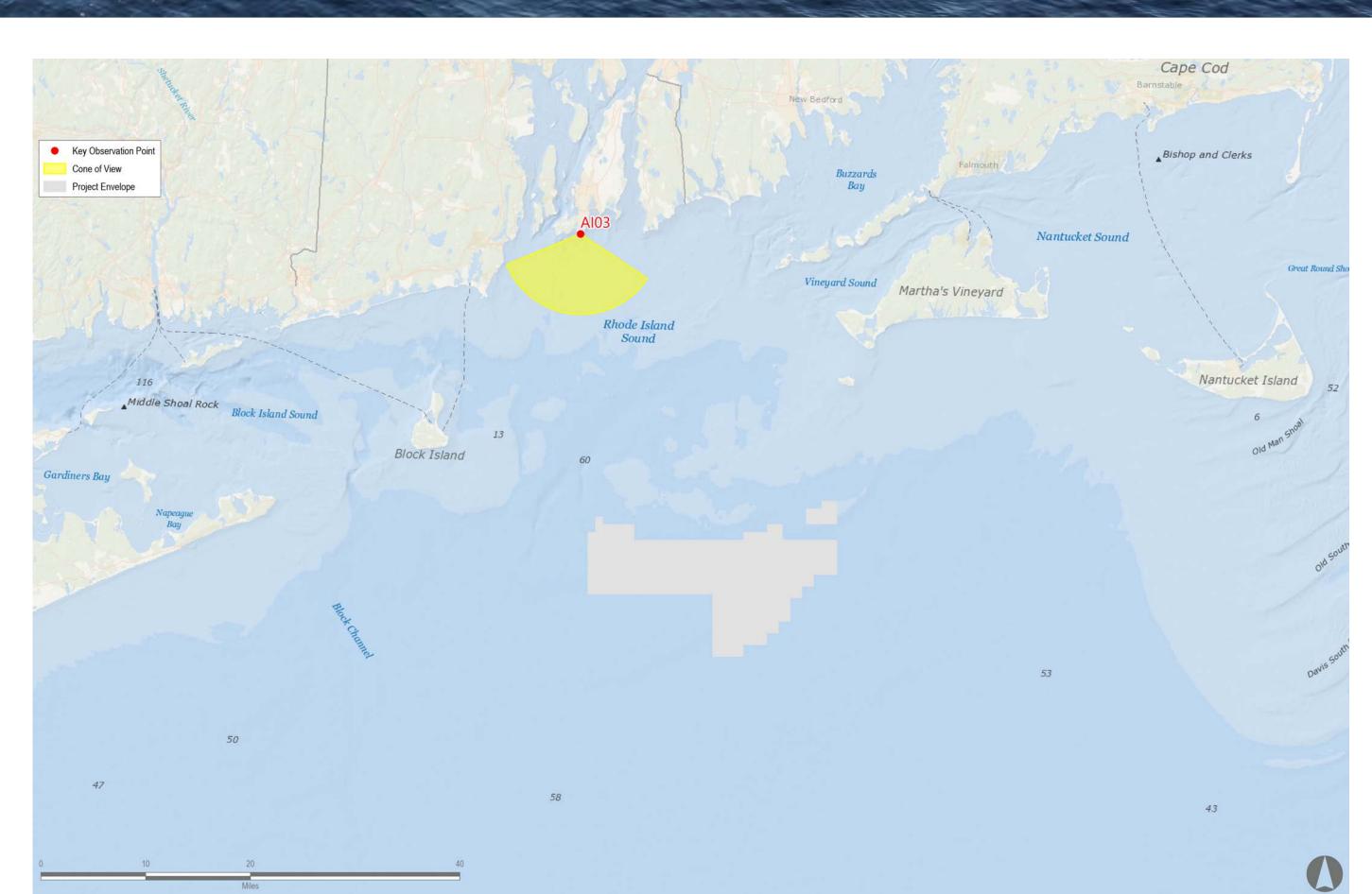
**Photosimulation** 

**Environmental Data** Date Taken: 7/26/2017 **Time**: 7:03 AM Temperature: 70°F
Humidity: 68%
Visibility: >10 miles
Wind Direction: South Wind Speed: 8 mph Conditions Observed: Clear

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 22.8 feet AMSL

Key Observation Point Information
County: Newport
Town: Newport
State: Rhode Island
Location: Aquidneck Island
Latitude, Longitude: 41.45119° N, 71.31157° W
Direction of View (Center): South (181.1°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Shoreline Residential User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Cliff Walk National Recreation Trail, Newport/Ocean Drive State Scenic Area, Newport Historic District







Powered by Ørsted & Eversource

Appendix C2: Sheet 3 of 16

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

**Existing Conditions** 

**Environmental Data** Date Taken: 9/10/2017 **Time**: 1:20 PM Temperature: 68°F Humidity: 63% Visibility: >10 miles Wind Direction: Northeast Wind Speed: 8.1 mph

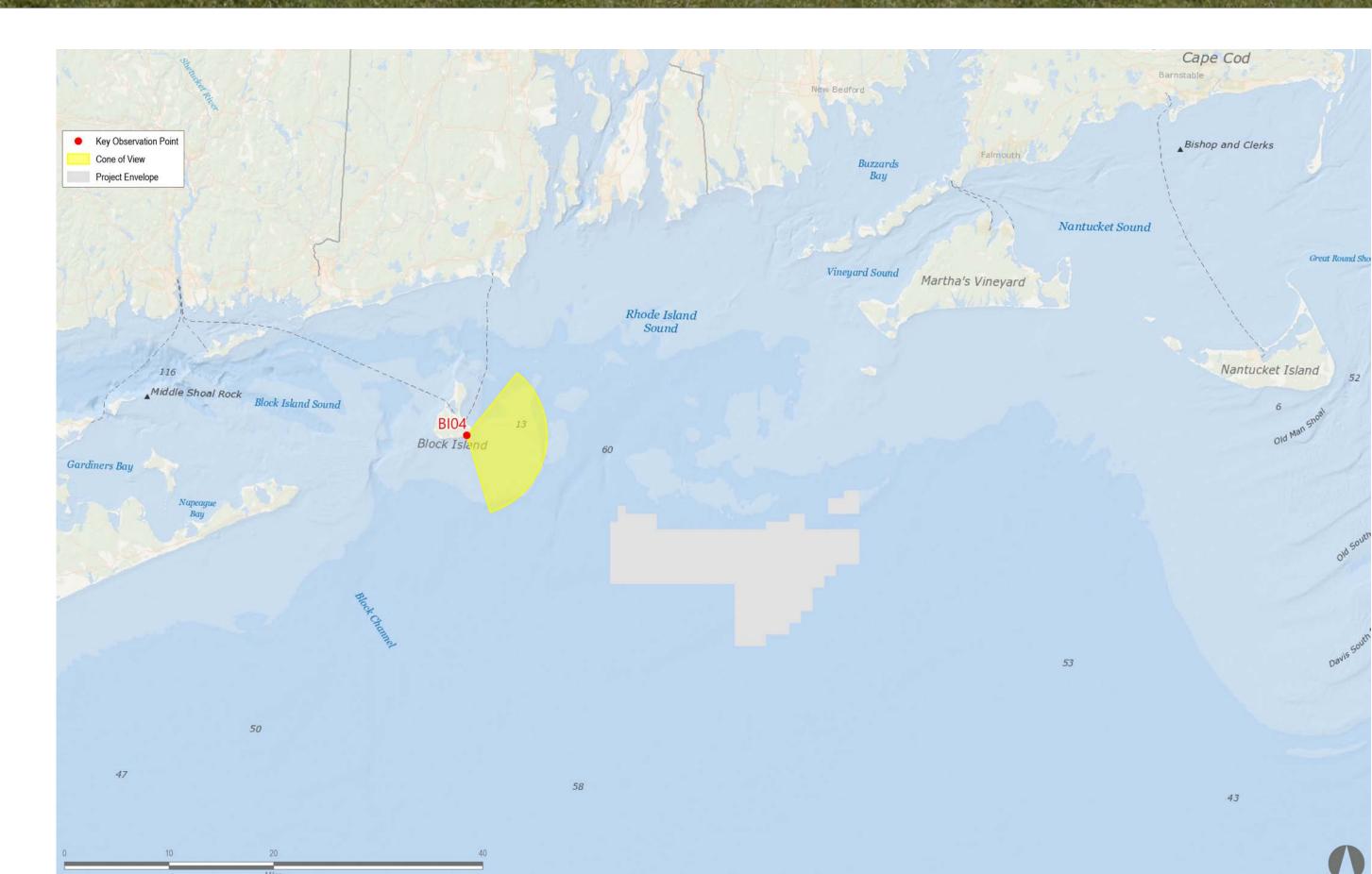
> Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 feet AMSL

Conditions Observed: Clear

**Key Observation Point Information** 

County: Washington Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15280° N, 71.55185° W Direction of View (Center): East (99.2°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Mohegan Bluffs State Scenic Area, Mohegan Bluffs Public Beach, State Owned Parks & Recreation Land, South East Light Stairway State Fishing and Boating Access, Southeast Rd State Scenic Area, Block Island South East Light National Historic Landmark







Powered by Ørsted & Eversource

Appendix C2: Sheet 4 of 16

BI04: Southeast Lighthouse, New Shoreham, Rhode Island

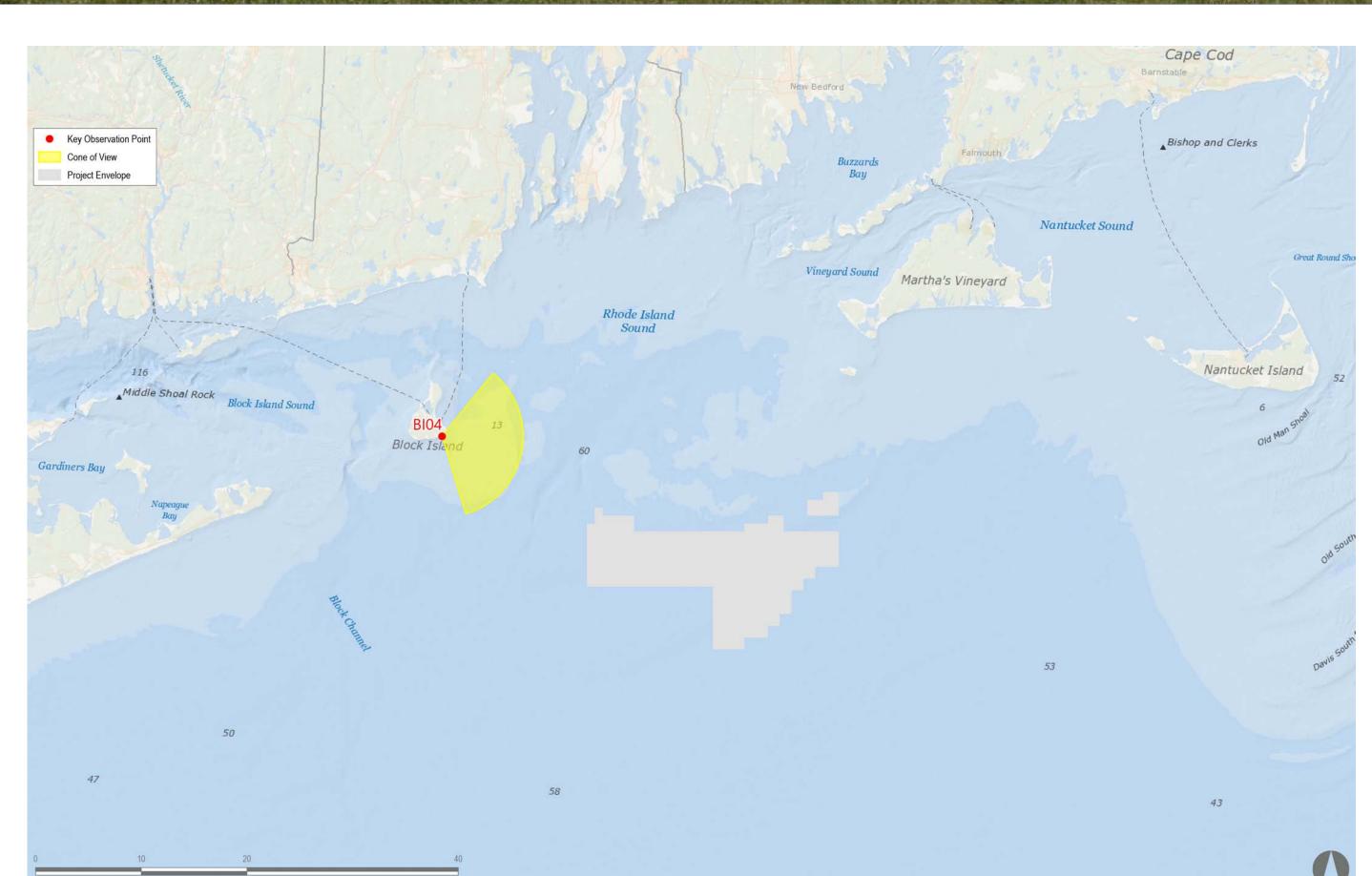
**Photosimulation** 

**Environmental Data** Date Taken: 9/10/2017 **Time**: 1:20 PM Temperature: 68°F Humidity: 63% Visibility: >10 miles Wind Direction: Northeast Wind Speed: 8.1 mph Conditions Observed: Clear

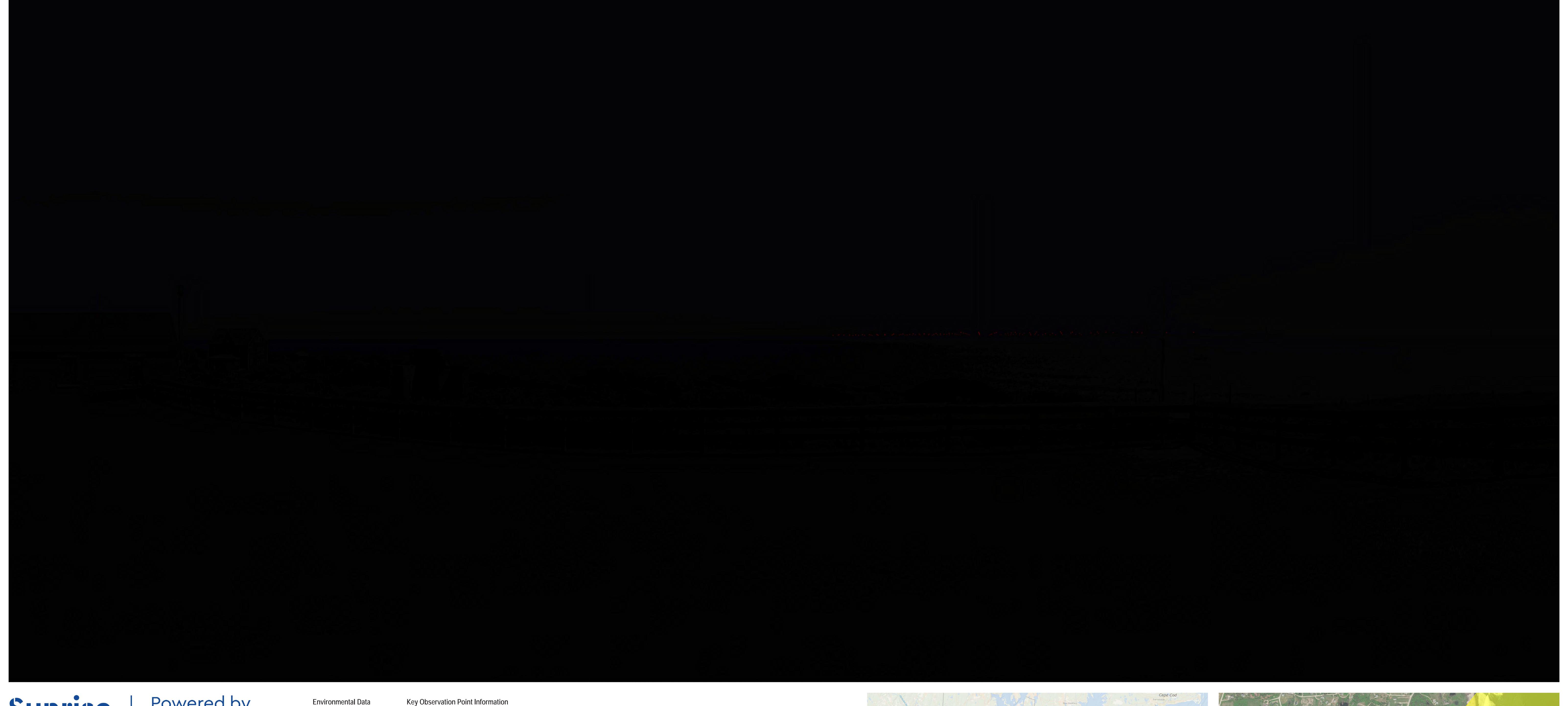
Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 feet AMSL **Key Observation Point Information** 

County: Washington Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15280° N, 71.55185° W Direction of View (Center): East (99.2°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Mohegan Bluffs State Scenic Area, Mohegan Bluffs Public Beach, State Owned Parks & Recreation Land, South East Light Stairway State Fishing and Boating Access, Southeast Rd State Scenic Area, Block Island South East Light National Historic Landmark







Powered by Ørsted &

Appendix C2: Sheet 5 of 16

BI04 Night: Southeast Lighthouse, New Shoreham, Rhode Island

be exactly 1" long on the printed panorama

**Photosimulation: Night** 

Date Taken: 9/10/2017 Time: N/A Temperature: N/A Humidity: N/A
Visibility: >10 miles
Wind Direction: Northeast Eversource Wind Speed: 8.1 mph

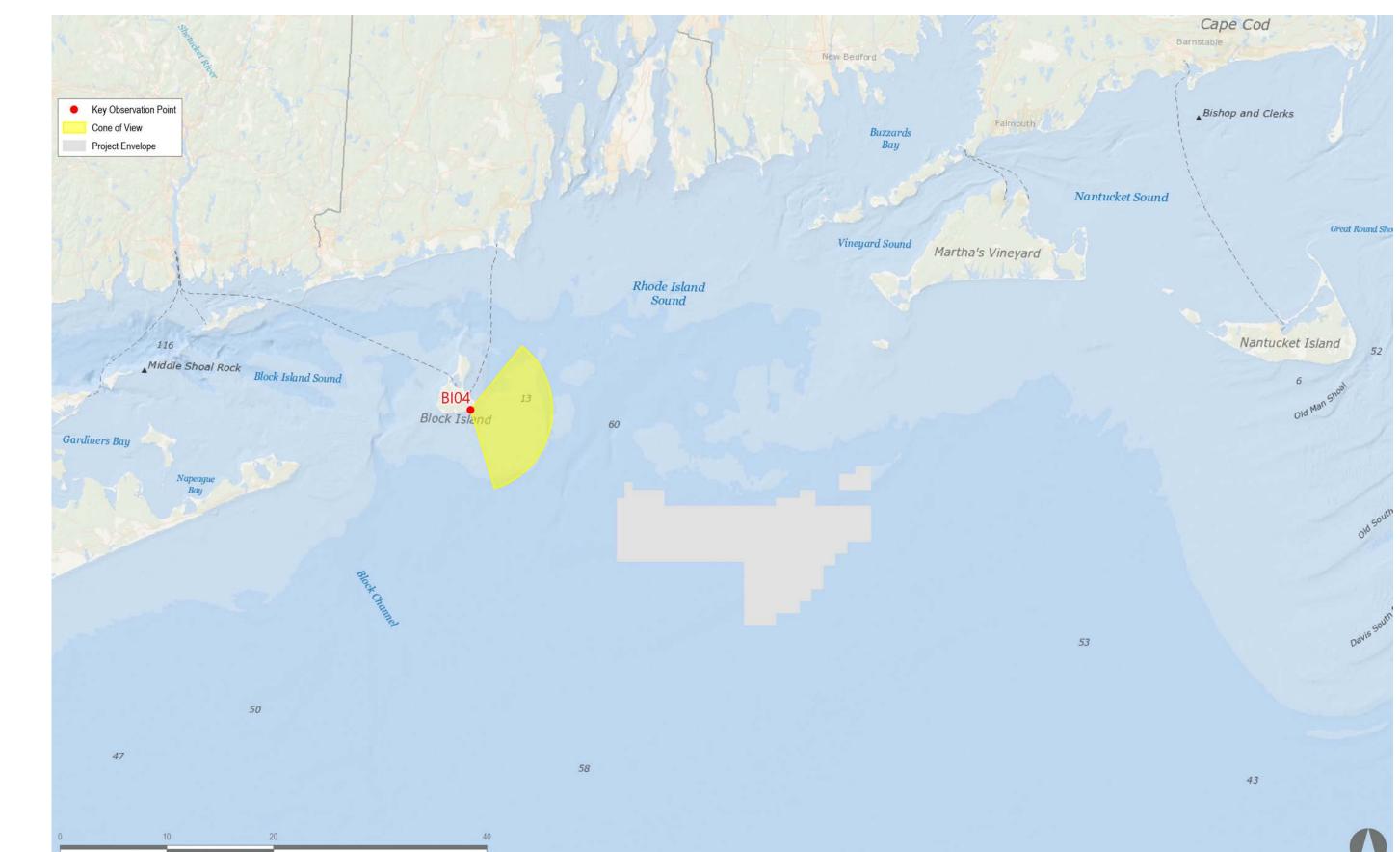
> Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 161.1 feet AMSL

Conditions Observed: Clear

#### **Key Observation Point Information**

County: Washington
Town: New Shoreham State: Rhode Island Location: Block Island Latitude, Longitude: 41.15280° N, 71.55185° W Direction of View (Center): East (99.2°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Area, Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Mohegan Bluffs State Scenic Area, Mohegan Bluffs Public Beach, State Owned Parks & Recreation Land, South East Light Stairway State Fishing and Boating Access, Southeast Rd State Scenic Area, Block Island South East Light National Historic Landmark







Powered by Ørsted & Eversource

Appendix C2: Sheet 6 of 16

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

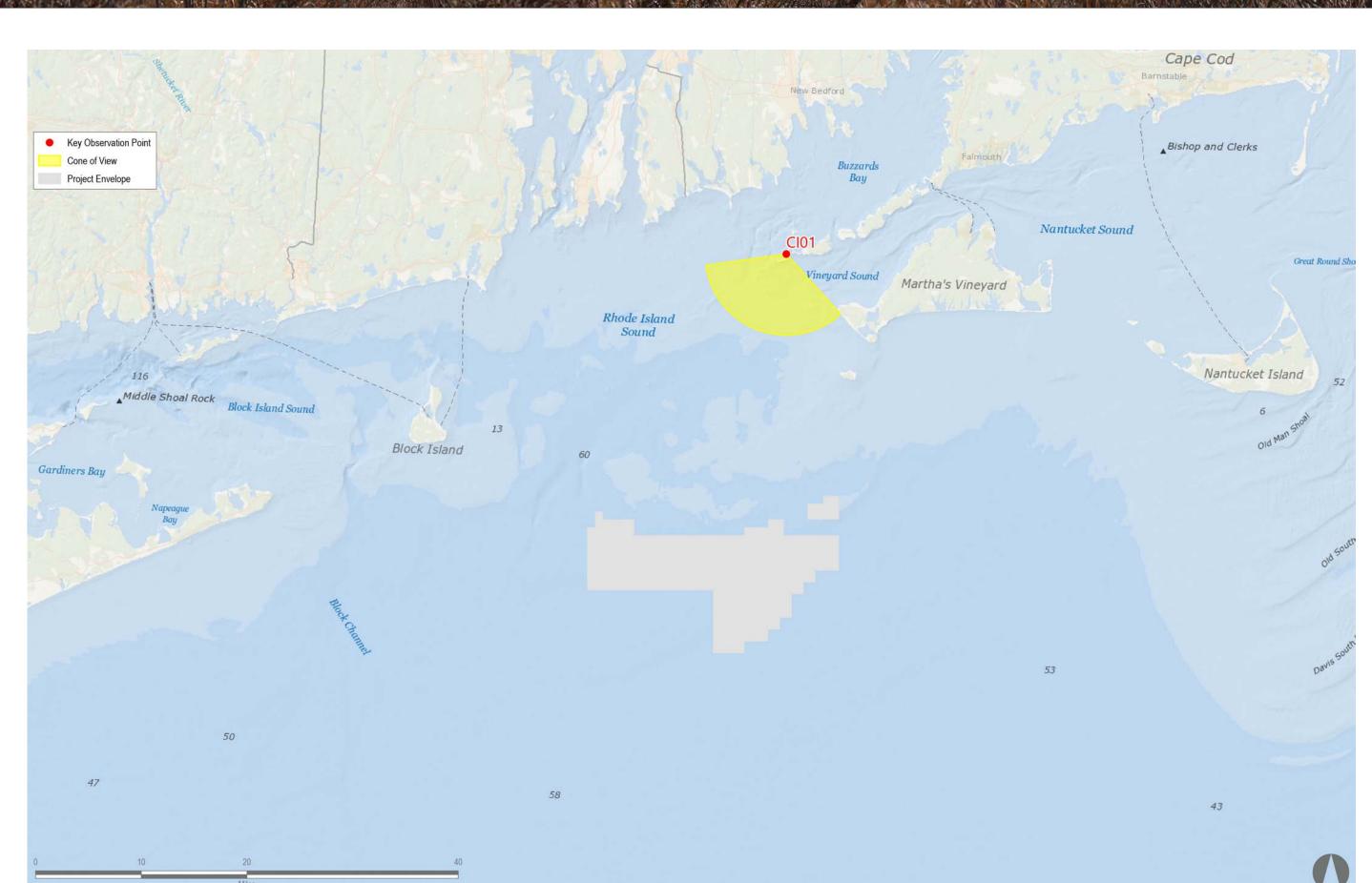
**Existing Conditions** 

**Environmental Data Date Taken:** 1/18/2018 **Time:** 1:30 PM Temperature: 34°F
Humidity: 64%
Visibility: >10 miles
Wind Direction: North-Northwest Wind Speed: 10.4 mph Conditions Observed: Clear

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 151.3 feet AMSL

Key Observation Point Information
County: Dukes
Town: Gosnold State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (198.7°) Field of View: 124° x 55°

Visual Resources
Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area 88







Powered by Ørsted & Eversource

Appendix C2: Sheet 7 of 16

Cl01: Cuttyhunk Island, Gosnold, Massachusetts

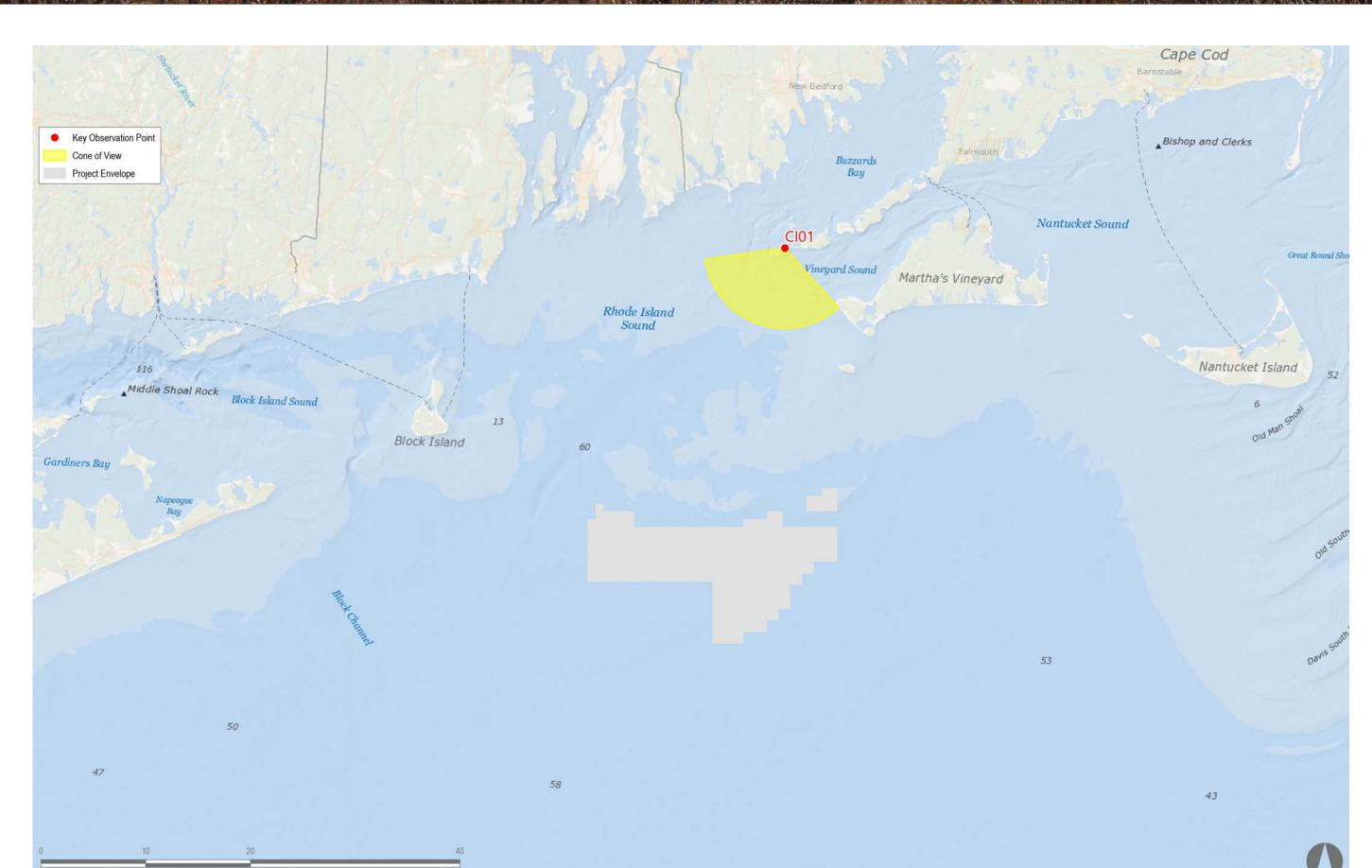
**Photosimulation** 

**Environmental Data** Date Taken: 1/18/2018 **Time**: 1:30 PM Temperature: 34°F
Humidity: 64%
Visibility: >10 miles
Wind Direction: North-Northwest Wind Speed: 10.4 mph Conditions Observed: Clear

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 151.3 feet AMSL

Key Observation Point Information
County: Dukes
Town: Gosnold State: Massachusetts
Location: Cuttyhunk Island
Latitude, Longitude: 41.42052° N, 70.93411° W
Direction of View (Center): South-Southwest (198.7°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Scrub/Scrub Forest
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Elizabeth Islands State Scenic Area, Buzzards Bay







Eversource

Appendix C2: Sheet 8 of 16

MM04: Nobska Lighthouse, Falmouth, Massachusetts

**Existing Conditions** 

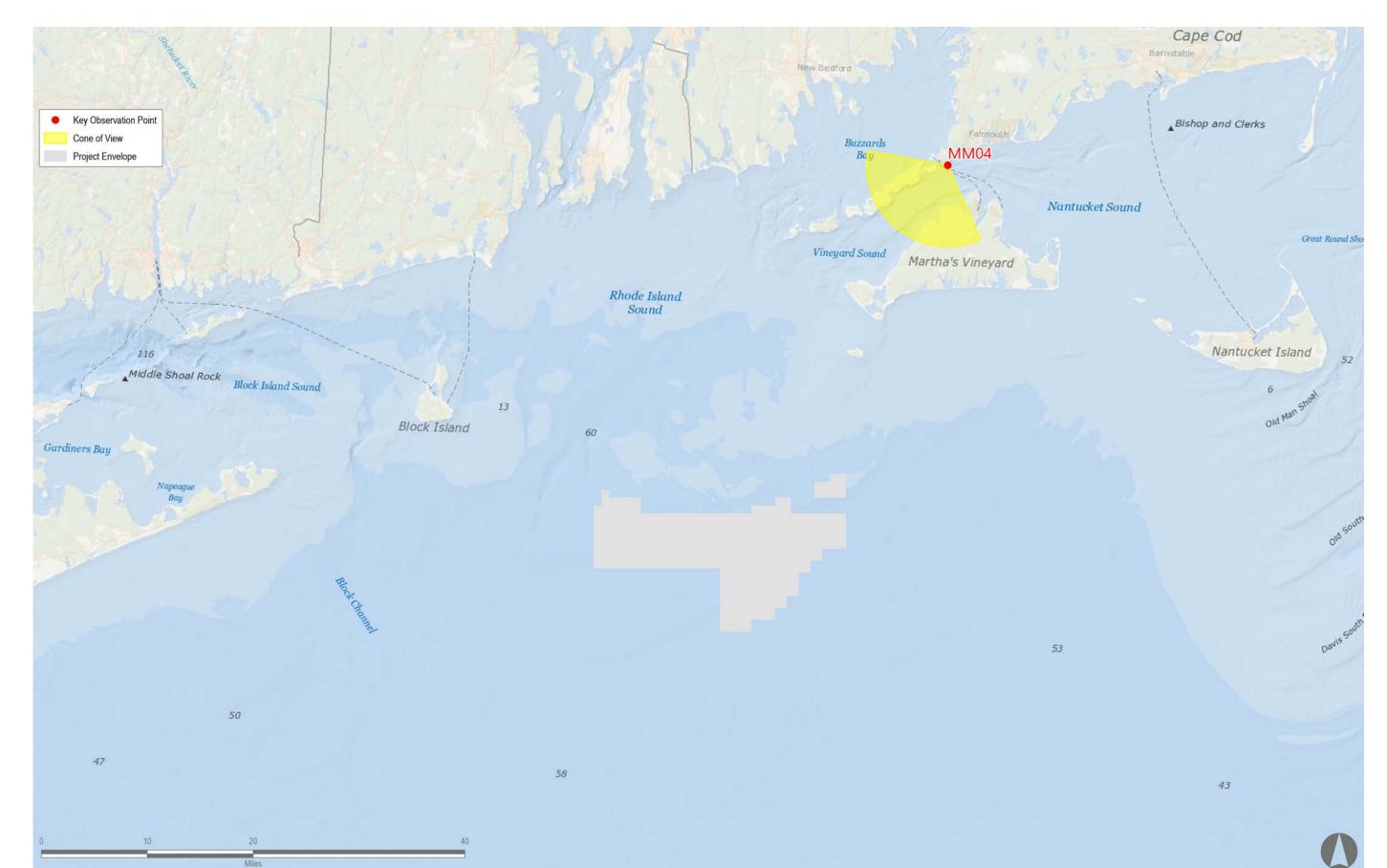
Powered by Ørsted &

Date Taken: 8/9/2017 Time: 6:23 AM Temperature: 71.0°F
Humidity: 68%
Visibility: >10 miles
Wind Direction: Southwest Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 53.7 feet AMSL

Key Observation Point Information
County: Barnstable
Town: Falmouth
State: Massachusetts
Location: Mainland, MA
Latitude, Longitude: 41.51576° N, 70.65512° W
Direction of View (Center): Southwest (217.0°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Areas
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Nobska Beach Association, Nobska Point Lighthouse







Eversource

Appendix C2: Sheet 9 of 16

MM04: Nobska Lighthouse, Falmouth, Massachusetts

**Photosimulation** 

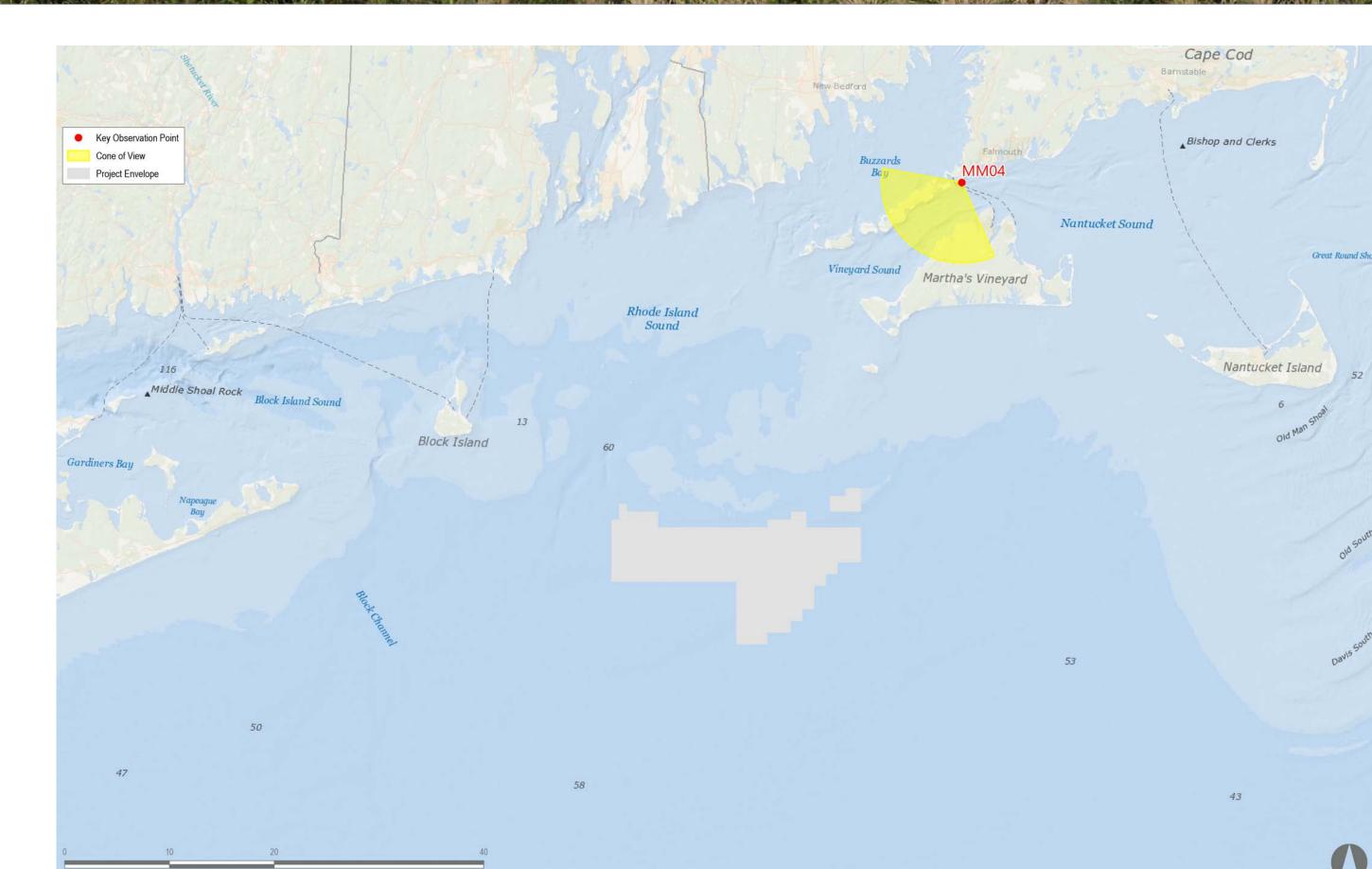
Powered by Ørsted &

Date Taken: 8/9/2017 Time: 6:23 AM Temperature: 71.0°F
Humidity: 68%
Visibility: >10 miles
Wind Direction: Southwest Wind Speed: 7 mph
Conditions Observed: Partly Cloudy

Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 53.7 feet AMSL Key Observation Point Information
County: Barnstable
Town: Falmouth

State: Massachusetts
Location: Mainland, MA
Latitude, Longitude: 41.51576° N, 70.65512° W
Direction of View (Center): Southwest (217.0°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Maintained Recreation Areas
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Nobska Beach Association, Nobska Point Lighthouse







Powered by Ørsted & Eversource

Appendix C2: Sheet 10 of 16

MV03: Lucy Vincent Beach, Chilmark, Massachusetts

**Existing Conditions** 

**Environmental Data** Date Taken: 8/9/2017 **Time:** 12:55 PM Temperature: 77°F
Humidity: 60%
Visibility: >10 miles
Wind Direction: South-Southwest Wind Speed: 11.5 mph
Conditions Observed: Parly Cloudy

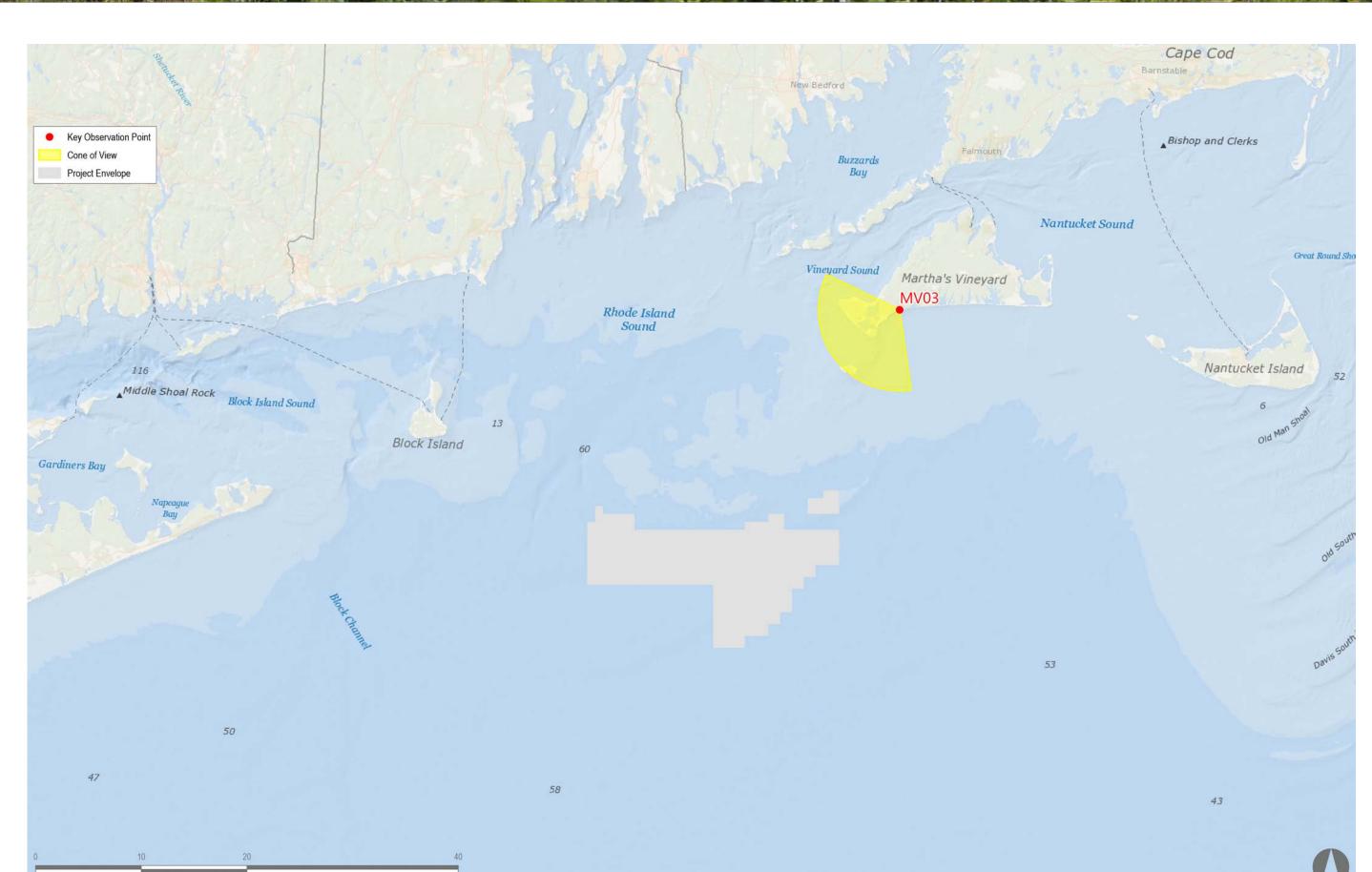
> Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 27.7 feet AMSL

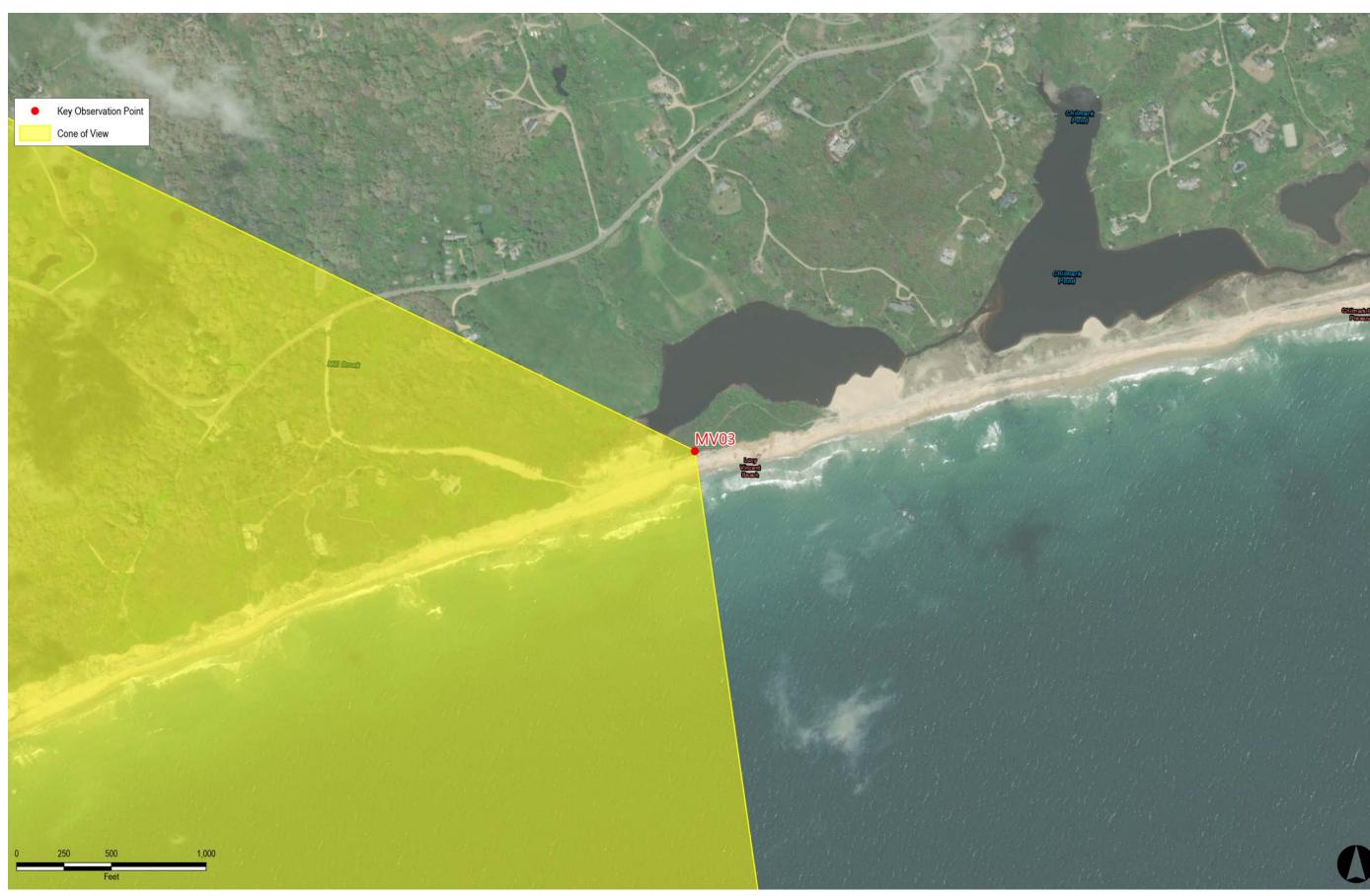
Key Observation Point Information
County: Dukes
Town: Chilmark State: Massachusetts Location: Martha's Vineyard

Latitude, Longitude: 41.33953° N, 70.72571° W

Direction of View (Center): Southwest (232.7°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head West Tisbury Unit 94 State Scenic Area, Ocean at Lucy Vincent Beach, Pond at Lucy Vincent Beach







Powered by Ørsted & Eversource

Appendix C2: Sheet 11 of 16

MV03: Lucy Vincent Beach, Chilmark, Massachusetts

**Photosimulation** 

**Environmental Data** Date Taken: 8/9/2017 **Time:** 12:55 PM Temperature: 77°F
Humidity: 60%
Visibility: >10 miles
Wind Direction: South-Southwest Wind Speed: 11.5 mph
Conditions Observed: Parly Cloudy

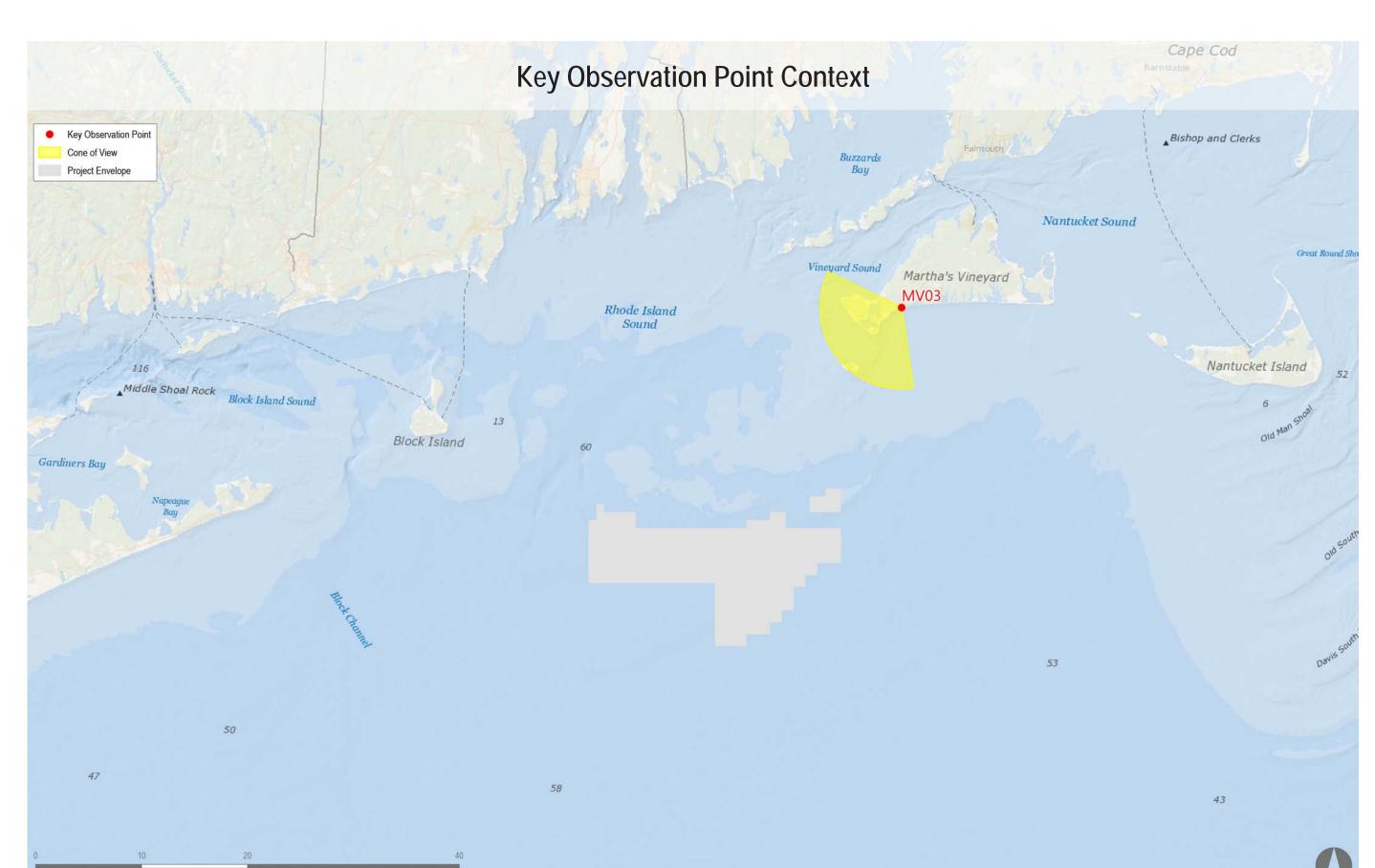
Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 27.7 feet AMSL Key Observation Point Information
County: Dukes
Town: Chilmark

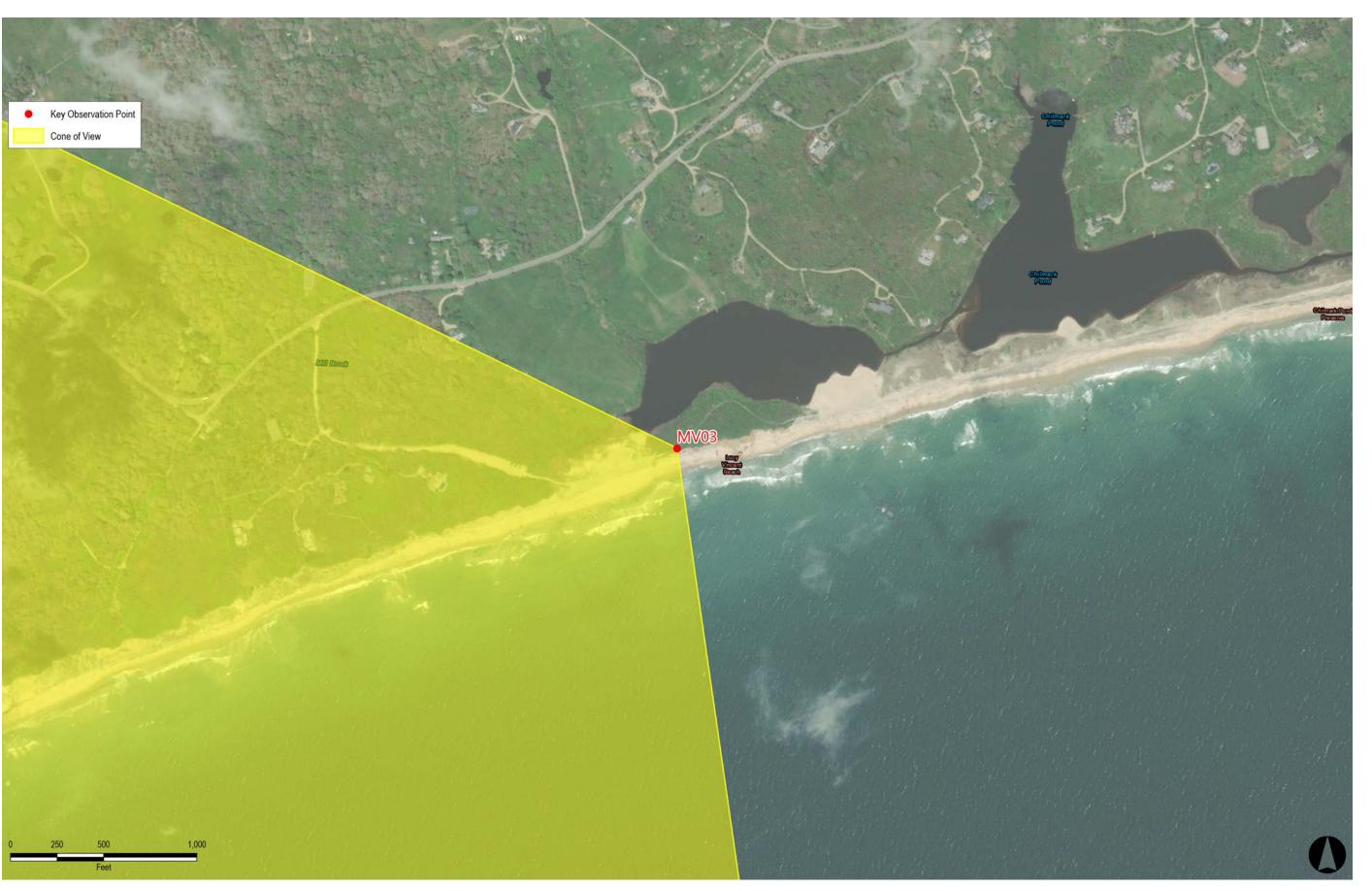
State: Massachusetts Location: Martha's Vineyard

Latitude, Longitude: 41.33953° N, 70.72571° W

Direction of View (Center): Southwest (232.7°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head West Tisbury Unit 94 State Scenic Area, Ocean at Lucy Vincent Beach, Pond at Lucy Vincent Beach







### Sunise

Powered by Ørsted & Eversource

Appendix C2: Sheet 12 of 16

MV03: Lucy Vincent Beach, Chilmark, Massachusetts

Photographic Rendering - Sunset Conditions

**Environmental Data** Date Taken: 12/21/2020 Time: 4:00 PM Temperature: N/A°F
Humidity: N/A%
Visibility: >10 miles Wind Direction: South-Southwest

Lens Focal Length: 50 mm

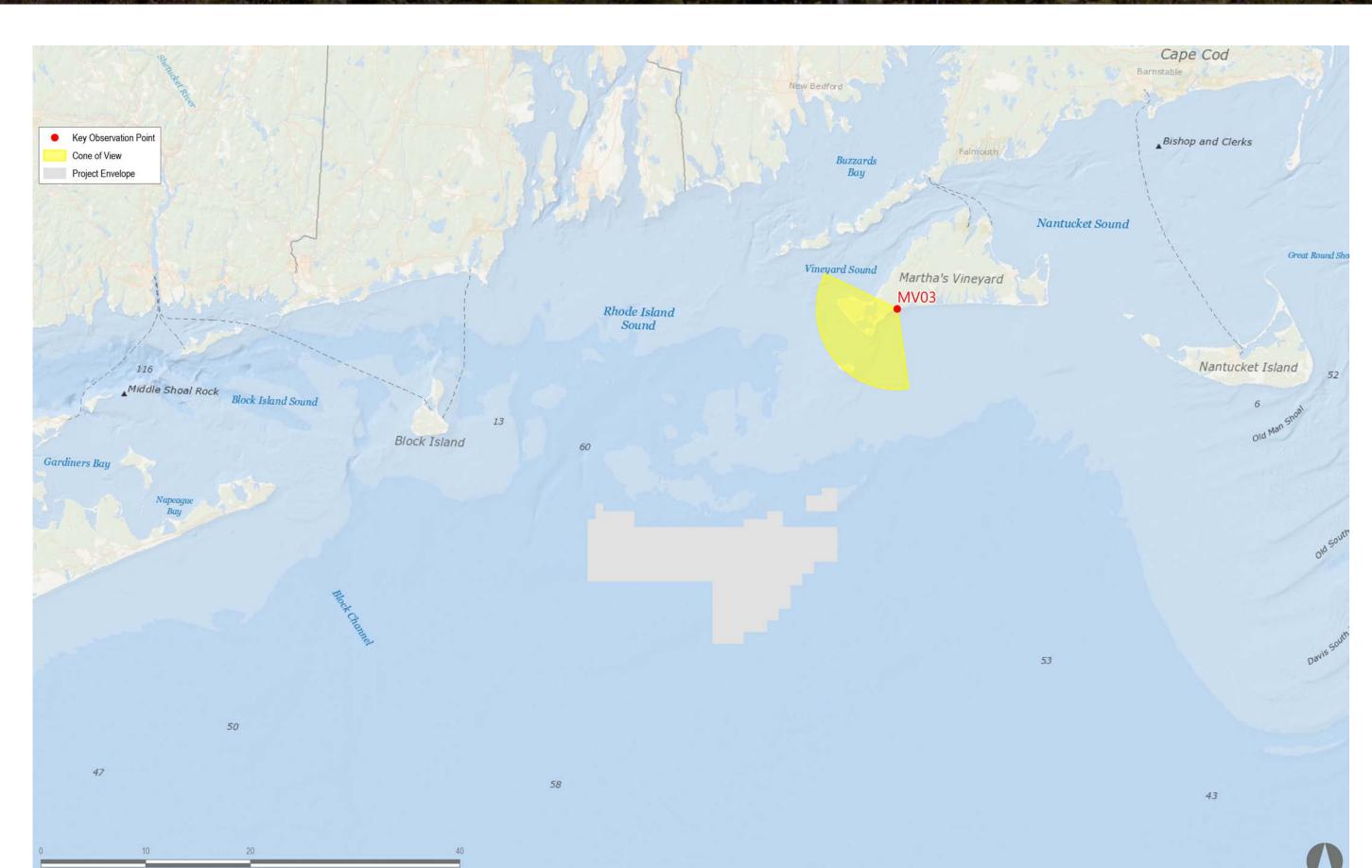
Camera Height: 27.7 feet AMSL

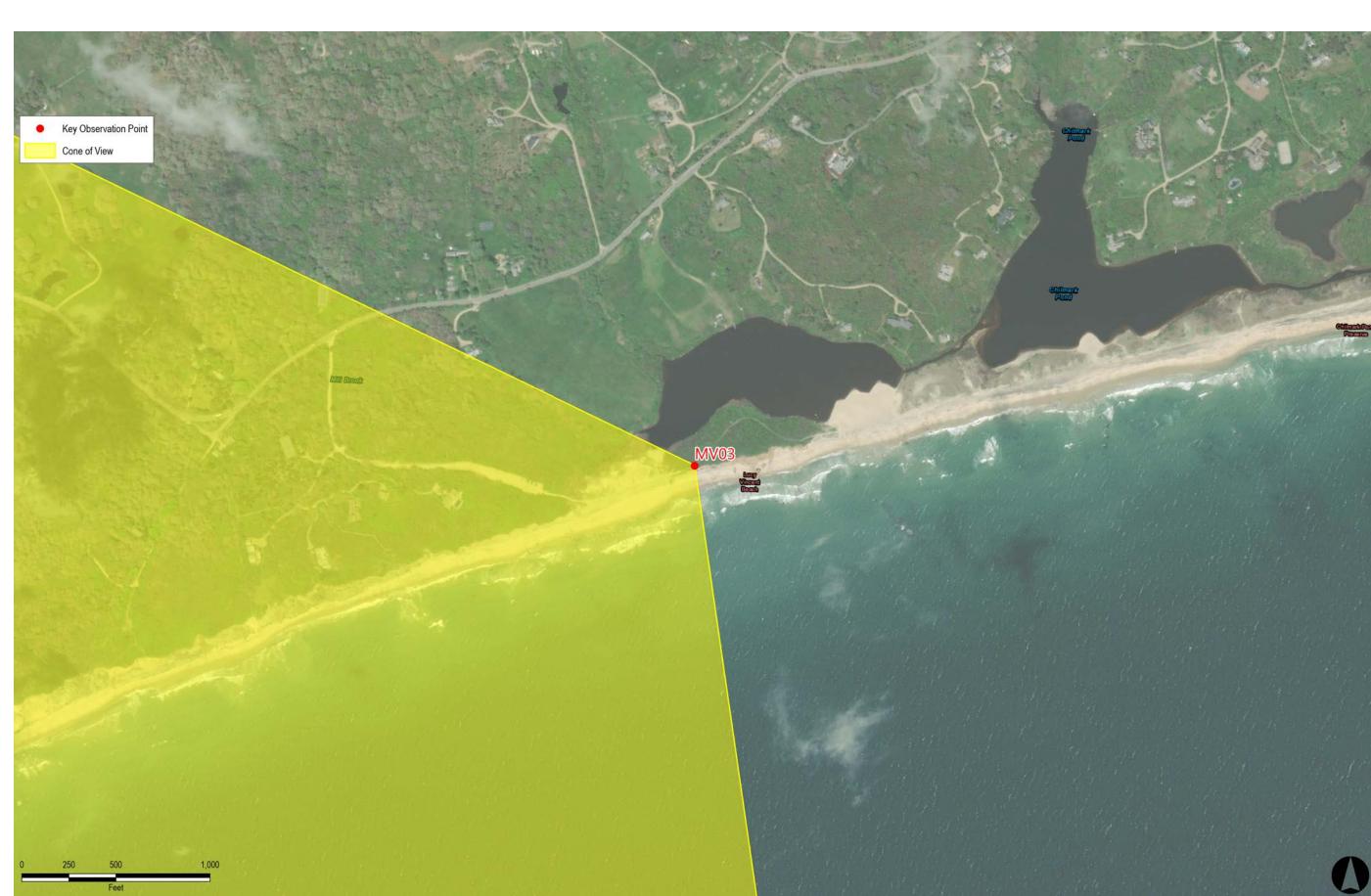
Wind Speed: 11.5 mph
Conditions Observed: Parly Cloudy Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels

**Key Observation Point Information** 

County: Dukes Town: Chilmark State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.33953° N, 70.72571° W Direction of View (Center): Southwest (232.7°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head West Tisbury Unit 94 State Scenic Area, Ocean at Lucy Vincent Beach, Pond at Lucy Vincent Beach







Eversource

Appendix C2: Sheet 13 of 16

MV07: Aquinnah Overlook, Aquinnah, Massachusetts

**Existing Conditions** 

Powered by Ørsted &

Temperature: 75°F
Humidity: 76%
Visibility: >10 miles
Wind Direction: South
Wind Speed: 9.2 mph
Conditions Observed: Partly Cloudy

**Environmental Data** 

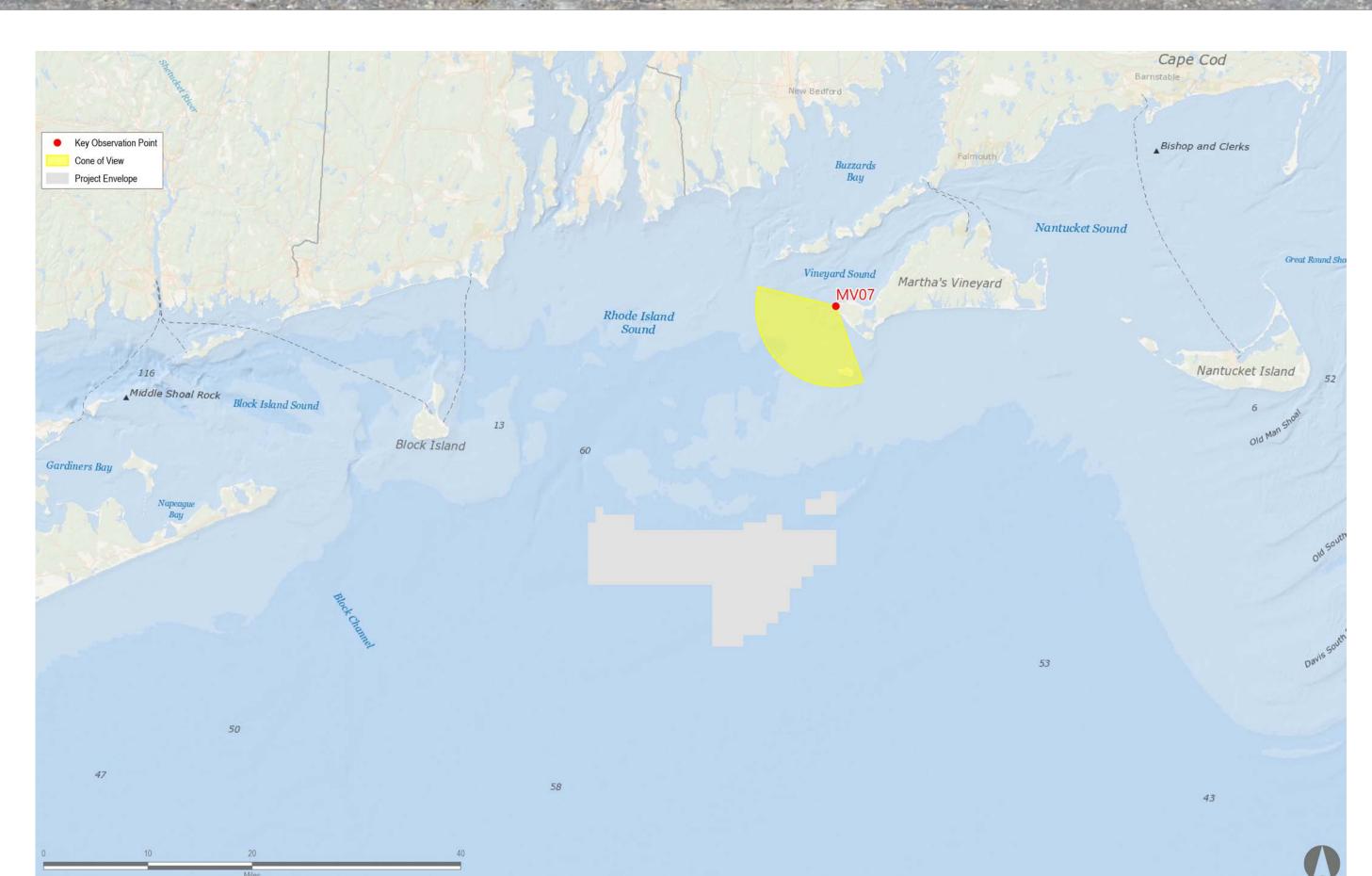
Date Taken: 8/4/2017

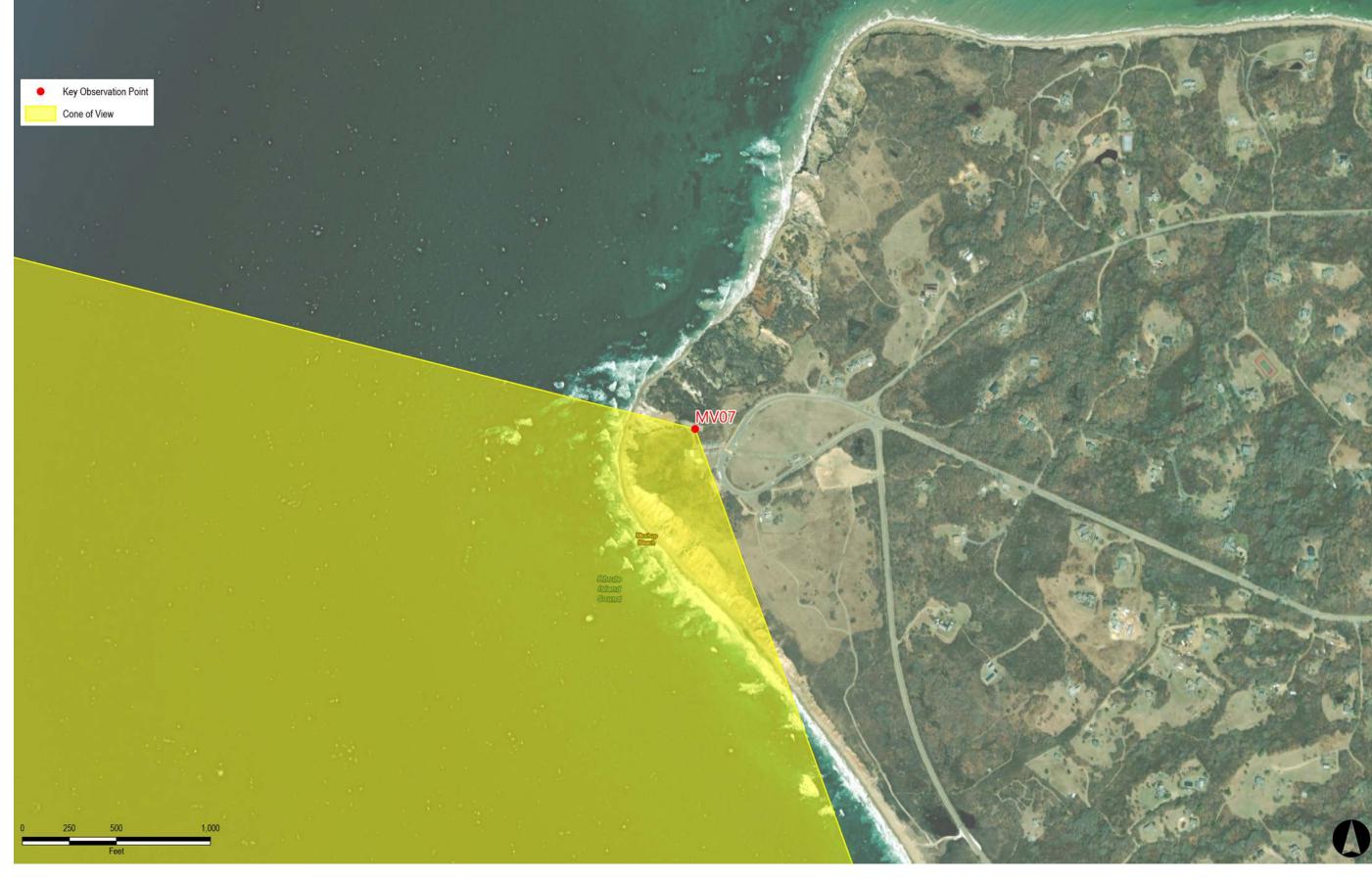
**Time**: 8:57 AM

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

Key Observation Point Information
County: Dukes
Town: Aquinnah
State: Massachusetts Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83700° W
Direction of View (Center): Southwest (220.9°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Cliffs National Natural Landmark, Moshup Beach, Gay
Head West Tisbury Unit 100 State Scenic Area, Gay Head West Tisbury Unit 94 State
Scenic Area, Edwin DeVries Vanderhoop Homestead, Gay Head Light







Powered by Ørsted & Eversource

Appendix C2: Sheet 14 of 16

MV07: Aquinnah Overlook, Aquinnah, Massachusetts

**Photosimulation** 

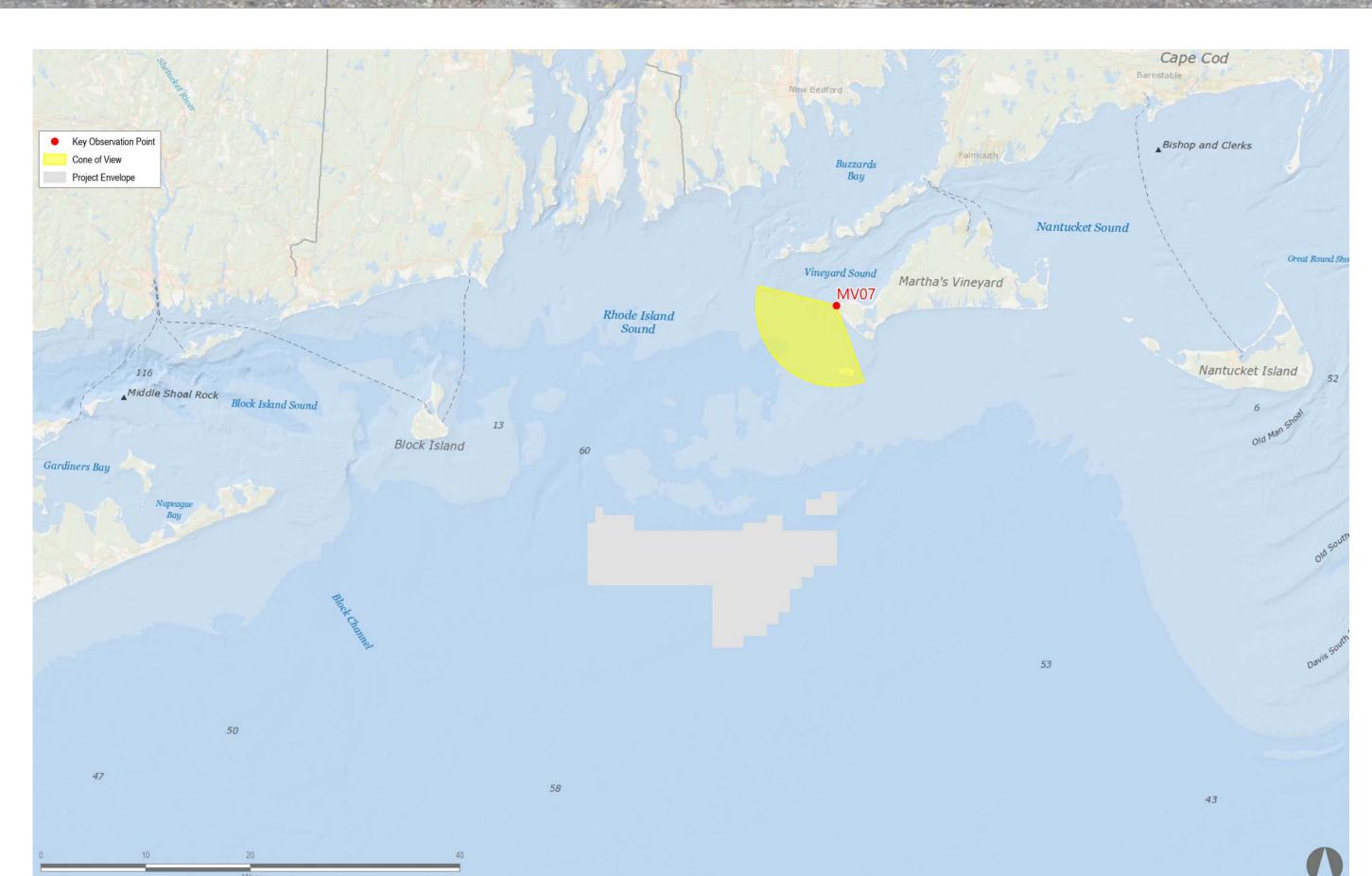
Date Taken: 8/4/2017 **Time**: 8:57 AM Temperature: 75°F
Humidity: 76%
Visibility: >10 miles
Wind Direction: South
Wind Speed: 9.2 mph
Conditions Observed: Partly Cloudy

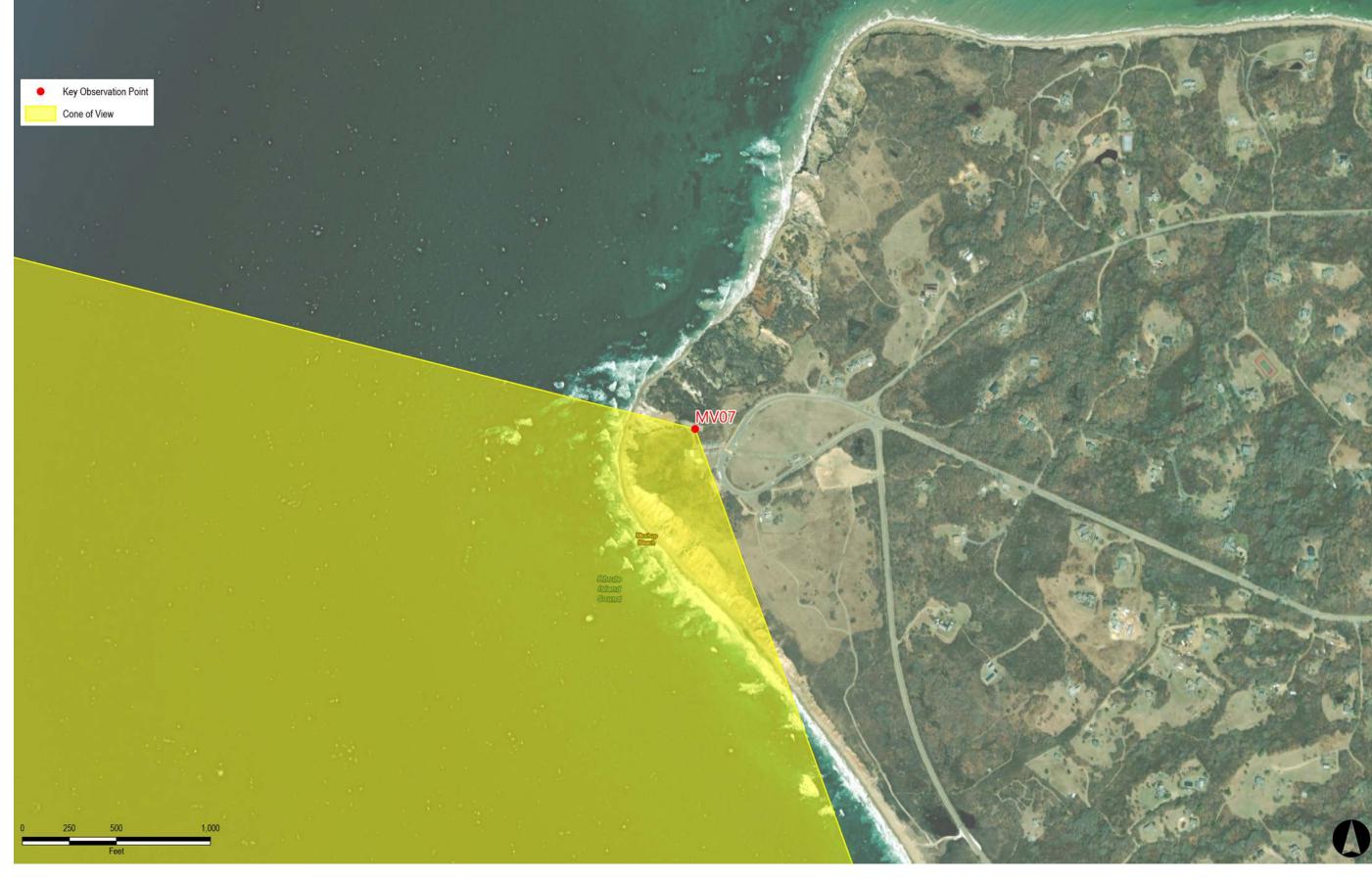
**Environmental Data** 

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

Key Observation Point Information
County: Dukes
Town: Aquinnah
State: Massachusetts Location: Martha's Vineyard
Latitude, Longitude: 41.34731° N, 70.83700° W
Direction of View (Center): Southwest (220.9°)
Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff
User Group: Local Resident, Tourist/Vacationers
Aesthetic Resource: Gay Head Cliffs National Natural Landmark, Moshup Beach, Gay
Head West Tisbury Unit 100 State Scenic Area, Gay Head West Tisbury Unit 94 State
Scenic Area, Edwin DeVries Vanderhoop Homestead, Gay Head Light







Powered by Ørsted & Eversource

Appendix C2: Sheet 15 of 16

MV07: Aquinnah Overlook, Aquinnah, Massachusetts

Photographic Rendering - Sunset Conditions

**Environmental Data** Date Taken: 11/25/2020 Time: 4:06 PM Temperature: N/A
Humidity: N/A
Visibility: >10 miles
Wind Direction: South Wind Speed: 9.2 mph
Conditions Observed: Partly Cloudy

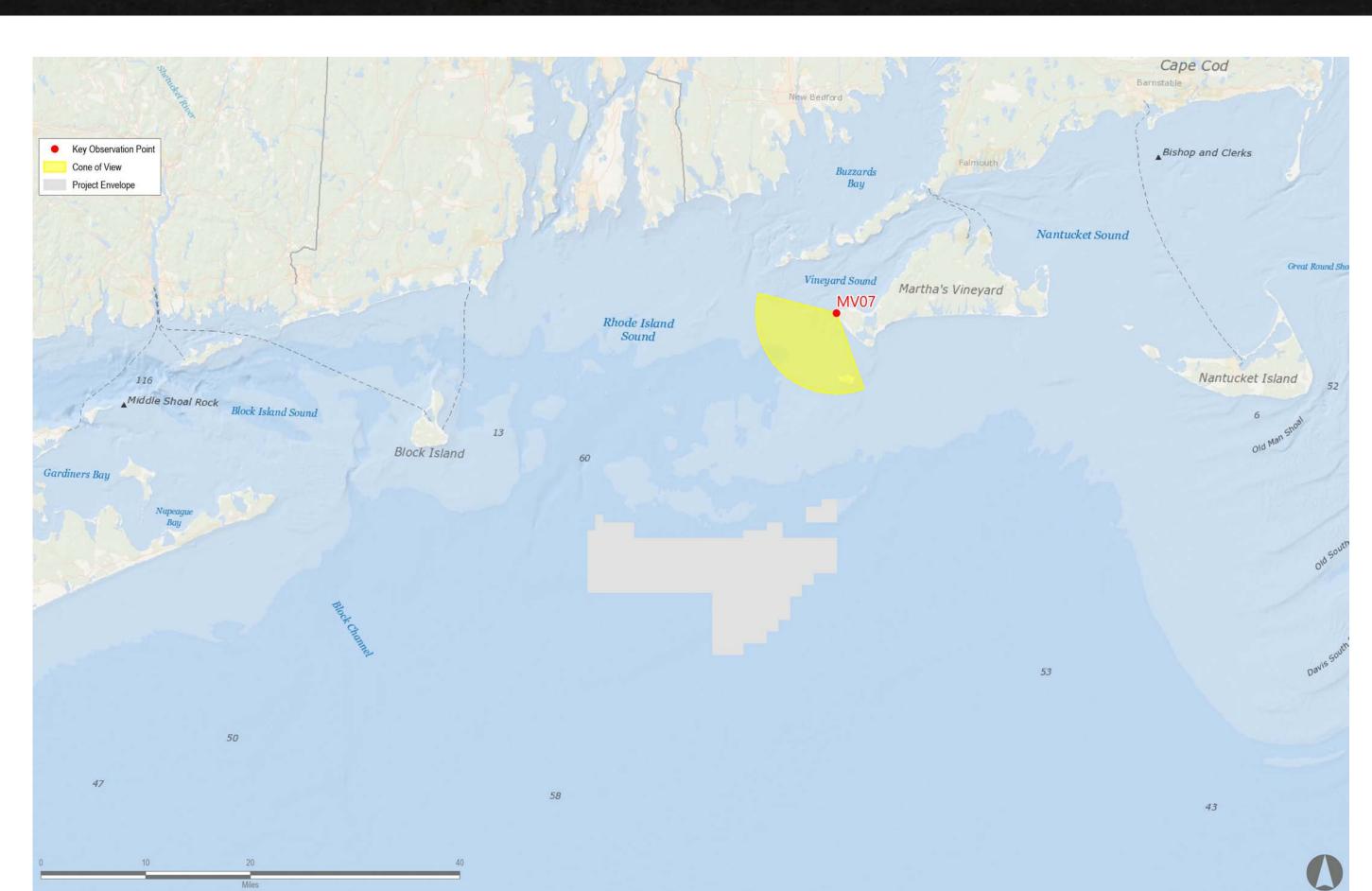
Camera Information Camera: Canon EOS 5D Mark IV Resolution: 30.4 Megapixels Lens Focal Length: 50 mm Camera Height: 145.5 feet AMSL

Key Observation Point Information
County: Dukes
Town: Aquinnah
State: Massachusetts Location: Martha's Vineyard

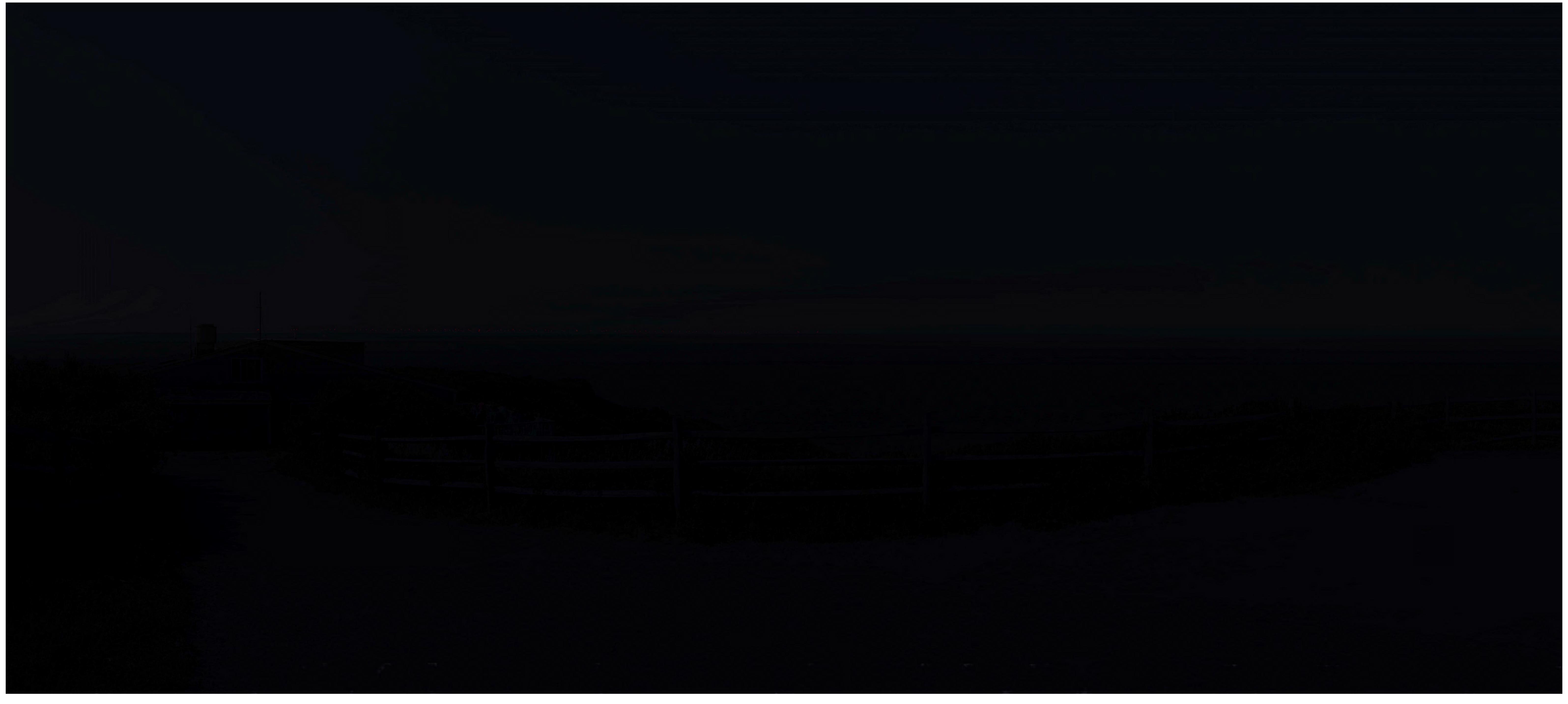
Latitude, Longitude: 41.34731° N, 70.83700° W

Direction of View (Center): Southwest (220.9°) Field of View: 124° x 55°

Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Cliffs National Natural Landmark, Moshup Beach, Gay Head West Tisbury Unit 100 State Scenic Area, Gay Head West Tisbury Unit 94 State Scenic Area, Edwin DeVries Vanderhoop Homestead, Gay Head Light







Powered by Ørsted & Eversource

Appendix C2: Sheet 16 of 16

MV07: Aquinnah Overlook, Aquinnah, Massachusetts

Photographic Rendering - Night Conditions

**Environmental Data** Date Taken: 11/25/2020 Time: N/A Temperature: N/A Humidity: N/A Visibility: >10 miles Wind Direction: South Wind Speed: 9.2 mph Conditions Observed: Partly Cloudy

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

in the view.

**Key Observation Point Information** 

County: Dukes Town: Aquinnah State: Massachusetts Location: Martha's Vineyard Latitude, Longitude: 41.34731° N, 70.83700° W Direction of View (Center): Southwest (220.9°) Field of View: 124° x 55°

Note: EDR has digitally altered the daytime condition photograph to represent nighttime conditions. Nighttime

photography was completed in order to accurately characterize existing light sources and ambient light present

Visual Resources Landscape Similarity Zone: Coastal Bluff User Group: Local Resident, Tourist/Vacationers Aesthetic Resource: Gay Head Cliffs National Natural Landmark, Moshup Beach, Gay Head West Tisbury Unit 100 State Scenic Area, Gay Head West Tisbury Unit 94 State Scenic Area, Edwin DeVries Vanderhoop Homestead, Gay Head Light

