

Base Photographic Documentation

Date (MM/DD/YYYY):	5/08/2023
Time (24hr):	11:05
GPS Longitude:	-73.23267655
GPS Latitude:	40.62760238
Viewpoint Elevation (ft):	8.155
Camera Height (ft):	5.41
Camera Heading (°):	179
Camera Direction:	S

Camera Information

Camera Make & Model:	Canon EOS 5DS R
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	Sigma F1.4 DG HSM A027
Lens Focal Length:	20mm
Field of View:	65.47° (H) / 46.397° (V)

Sun And Weather Information

Sun Azimuth:	N/A
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Partly Cloudy
Maximum Visibility (NM):	8.82
Temperature (°F):	57.9
Temperature (°C):	14.38
Humidity (%):	89

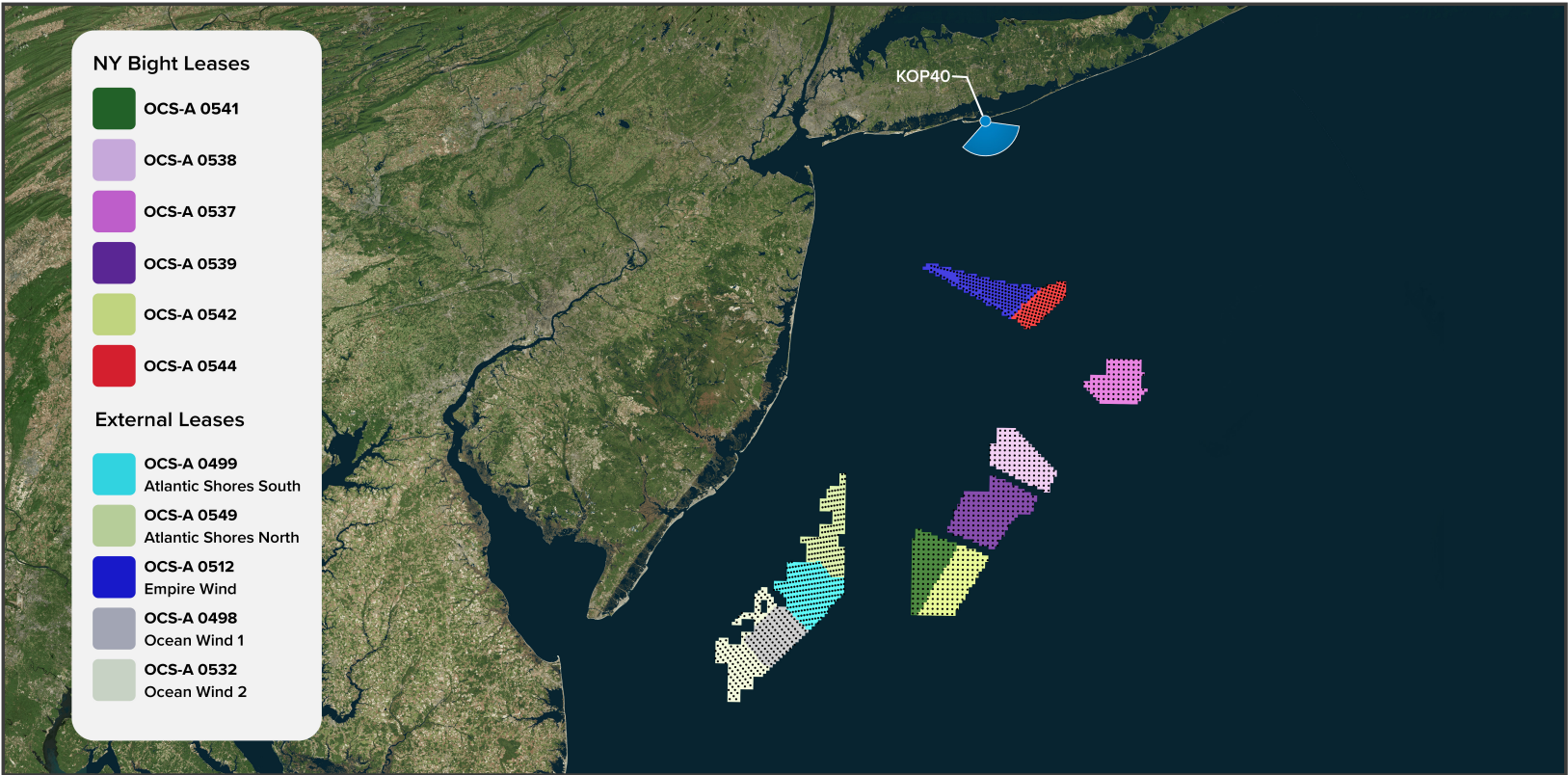
Viewing Instructions

11 x 17 inch Printed Display:	Distance is 19.7 inches (500mm)
On-Screen Display:	Distance is 19.7 inches (500mm)

Image Preview



Context Map



● Key Observation Point (KOP) ● Turbines

NY Bight Turbine Information - 1312ft (399.9m)

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	141	110	45
OCS-A 0544	24.21 (38.97)	110	110	45
OCS-A 0537	46.28 (74.49)	31	0	0
OCS-A 0538	55.28 (88.97)	0	0	0
OCS-A 0539	66.76 (107.43)	0	0	0
OCS-A 0541	82.11 (132.14)	0	0	0
OCS-A 0542	83.98 (135.16)	0	0	0

Blade tip counts are a summation of only blade tips visible, only hubs visible, and mid-towers visible. Hub counts are a summation of only hubs visible and mid towers visible.

Turbine Visibility	Turbine Visibility & Percentage
Amount of Nearest Turbine Hidden in ft (m)	258.6 (78.8)
Percent of Nearest Turbine Hidden (%)	19.7%
Amount of Nearest Turbine Visible in ft (m)	1053.5 (321.1)
Percent of Nearest Turbine Visible (%)	80.3%

NY Bight Turbine Specifications

Turbine Components	Measurements ft (m)
Rotor Diameter in ft (m)	1212 (369.4)
Total Height to Tip of Blade in ft (m)	1312 (399.9)
Hub Height in ft (m)	706 (215.2)
Support Structure Height in ft (m)	25 (7.6)
Service Platform in ft (m)	100 (30.5) × 200 (61.0) Steel Platform above MWS
Total Number of Turbines	1481

NY Bight Turbine Information - 853ft (260m)

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	110	50	0
OCS-A 0544	24.21 (38.97)	110	50	0
OCS-A 0537	46.28 (74.49)	0	0	0
OCS-A 0538	55.28 (88.97)	0	0	0
OCS-A 0539	66.76 (107.43)	0	0	0
OCS-A 0541	82.11 (132.14)	0	0	0
OCS-A 0542	83.98 (135.16)	0	0	0

Blade tip counts are a summation of only blade tips visible, only hubs visible, and mid-towers visible. Hub counts are a summation of only hubs visible and mid towers visible.

Turbine Visibility	Turbine Visibility & Percentage
Amount of Nearest Turbine Hidden in ft (m)	258.6 (78.8)
Percent of Nearest Turbine Hidden (%)	30.3%
Amount of Nearest Turbine Visible in ft (m)	594.4 (181.2)
Percent of Nearest Turbine Visible (%)	69.7%

NY Bight Turbine Specifications

Turbine Components	Measurements ft (m)
Rotor Diameter in ft (m)	722 (220.1)
Total Height to Tip of Blade in ft (m)	853 (260)
Hub Height in ft (m)	361 (110)
Support Structure Height in ft (m)	25 (7.6)
Service Platform in ft (m)	100 (30.5) × 200 (61.0) Steel Platform above MWS
Total Number of Turbines	1481

External Turbine Information

Lease Area	Distance to Nearest Turbine in Miles (km)	Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	174	174	N/A
OCS-A 0499	N/A	0	0	N/A
OCS-A 0549	N/A	0	0	N/A
OCS-A 0512	21.3 (34.2)	174	174	N/A
OCS-A 0498	N/A	0	0	N/A
OCS-A 0532	N/A	0	0	N/A

Cumulative Turbine Visibility
(Total WTG Count for NY Bight + External Leases)

1312 ft (399.9m)			853 ft (260m)		
Blade Tip	Hub	Mid Tower	Blade Tip	Hub	Mid Tower
315	284	45	284	224	0

The cumulative mid tower counts for both turbine heights are conservative values due to having no mid tower data for the external leases.

External Turbine Specifications

Lease Area	Rotor Diameter in ft (m)	Total Height to Tip of Blade in ft (m)	Hub Height in ft (m)	Support Structure Height in ft (m)
OCS-A 0499	918.6 (279.9)	1049 (319.7)	577 (176)	25 (7.6)
OCS-A 0549	918.6 (279.9)	1049 (319.7)	577 (176)	25 (7.6)
OCS-A 0512	853 (259.9)	951 (290)	525 (160)	25 (7.6)
OCS-A 0498	788 (240.1)	906 (276)	512 (156)	25 (7.6)
OCS-A 0532	788 (240.1)	906 (276)	512 (156)	25 (7.6)



KOP 40, Robert Moses, Night, Heading 179° - **Existing View**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

Argonne
NATIONAL LABORATORY

New York Bight

Robert Moses
Camera Heading 179°

Viewpoint Location

Turbines

Latitude:

40.62760238

Longitude:

-73.23267655

Elevation of Viewpoint Position:

8.155

Height of Camera Above Ground:

5.41

Date of Photography:

5/08/2023 at 11:05

Horizontal Field of View:

124°

Vertical Field of View:

55°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

NOTES:

Viewpoint locations have been precision surveyed by
New York City Land Surveyors PC
63 Montgomery Avenue
Staten Island NY 10301

Heights are above mean sea level.
Structure design and placement are subject to final engineering.
No part of this photo simulation shall be altered in any way.

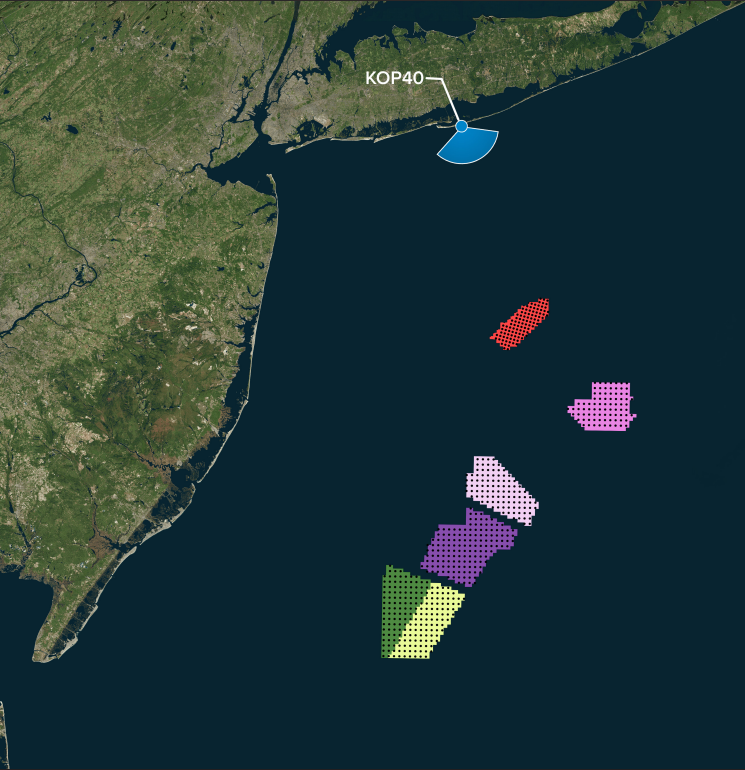
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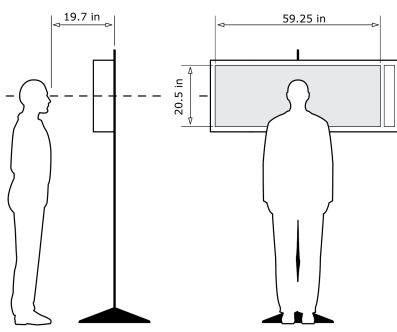
KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - NY Bight Leases (853ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



Latitude: 40.62760238
Longitude: -73.23267655
Elevation of Viewpoint Position: 8.155
Height of Camera Above Ground: 5.41
Date of Photography: 5/08/2023 at 11:05
Horizontal Field of View: 124°
Vertical Field of View: 95°
Nearest Turbine: 24.2mi (39.0km) (OCS-A 0544)
Furthest Visible Turbine: 32.3mi (52.0km) (OCS-A 0544)
Horizontal Field of View the Projects Occupy: 28.3°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

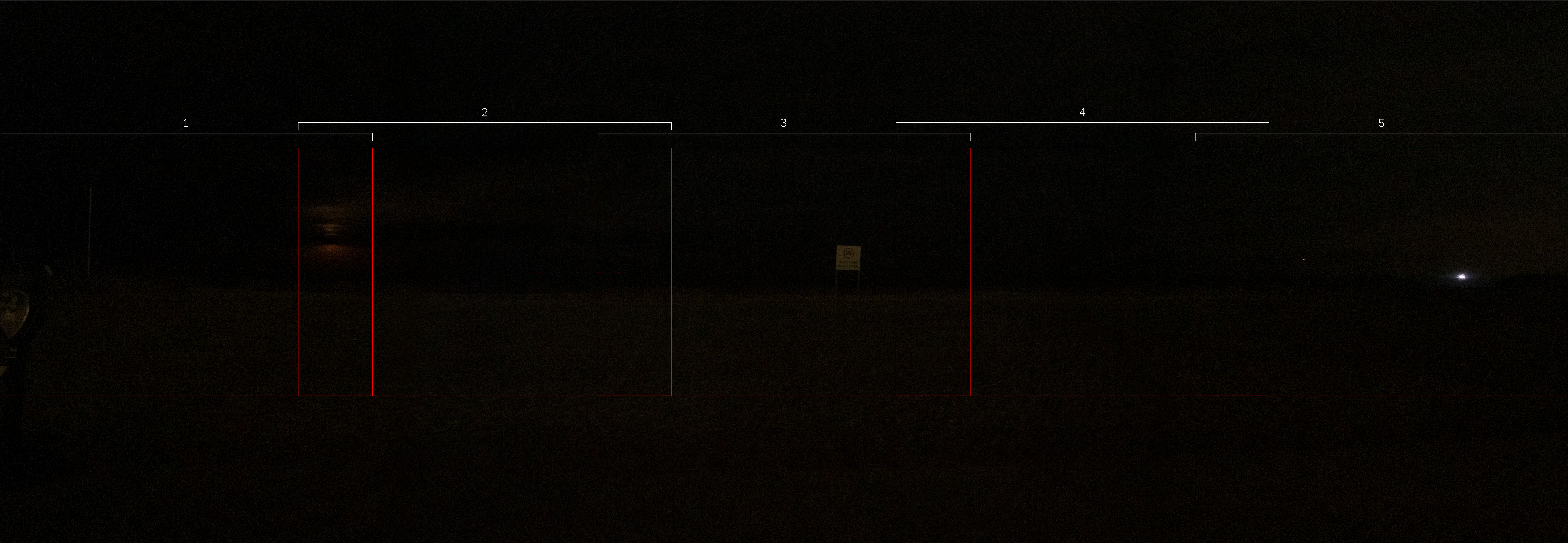


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Staten Island NY 10301

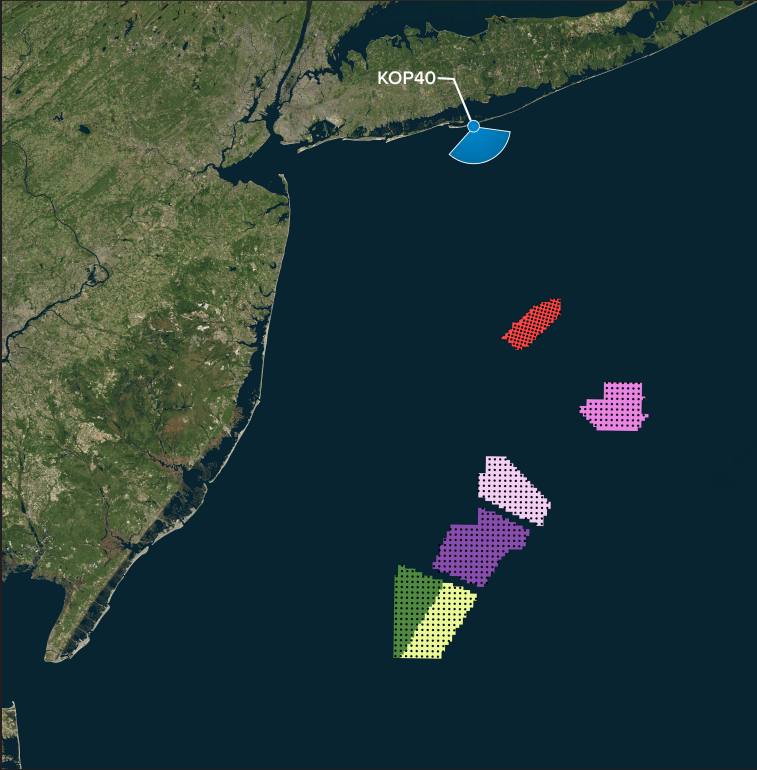
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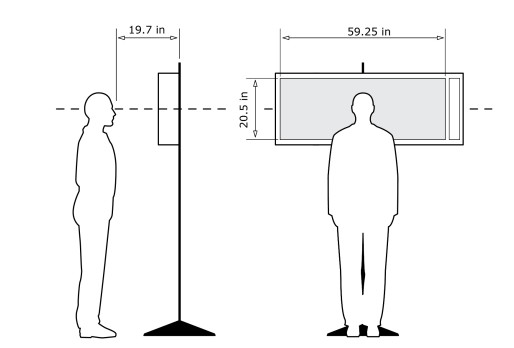
KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - NY Bight Leases (853ft) - Maximum Visibility**

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Viewing distance 19.7 inches



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Horizontal Field of View the Projects Occupy: 28.3°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:

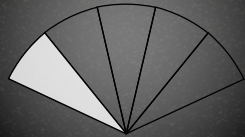
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1 2 3 4 5



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



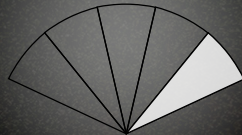
For on-screen display:
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Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



1 2 3 4 5



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

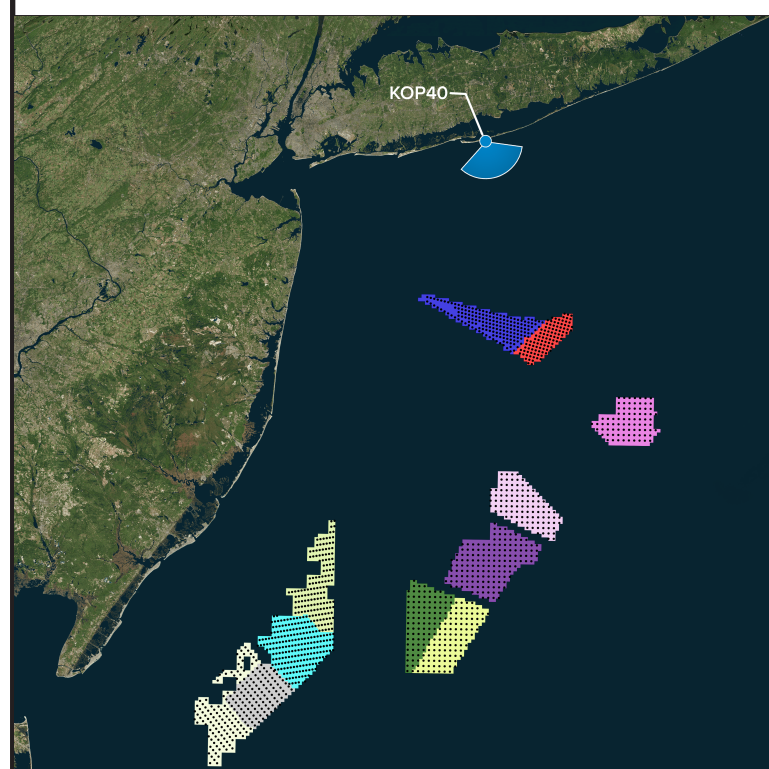


New York Bight

Robert Moses

Camera Heading 179

● Viewpoint Location ● Turbines



Latitude: 40.62760238

Longitude: -73.23267655

Elevation of Viewpoint Position: 8.155

Height of Camera Above Ground: 5.41

Date of Photography: 5/08/2023 at 11:05

Horizontal Field of View: 124°

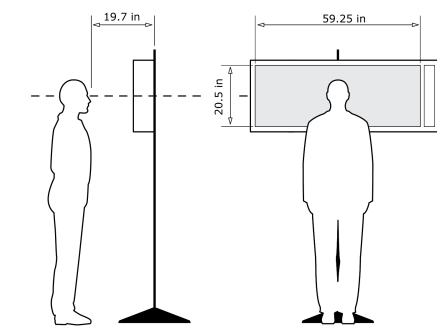
Vertical Field of View: 55°

Nearest Turbine: 21.3mi (34.2km) (OCS-A 0512)

Furthest Visible Turbine: 32.3mi (52.0km) (OCS-A 0544)

Horizontal Field of View the Projects Occupy: **77.1°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:

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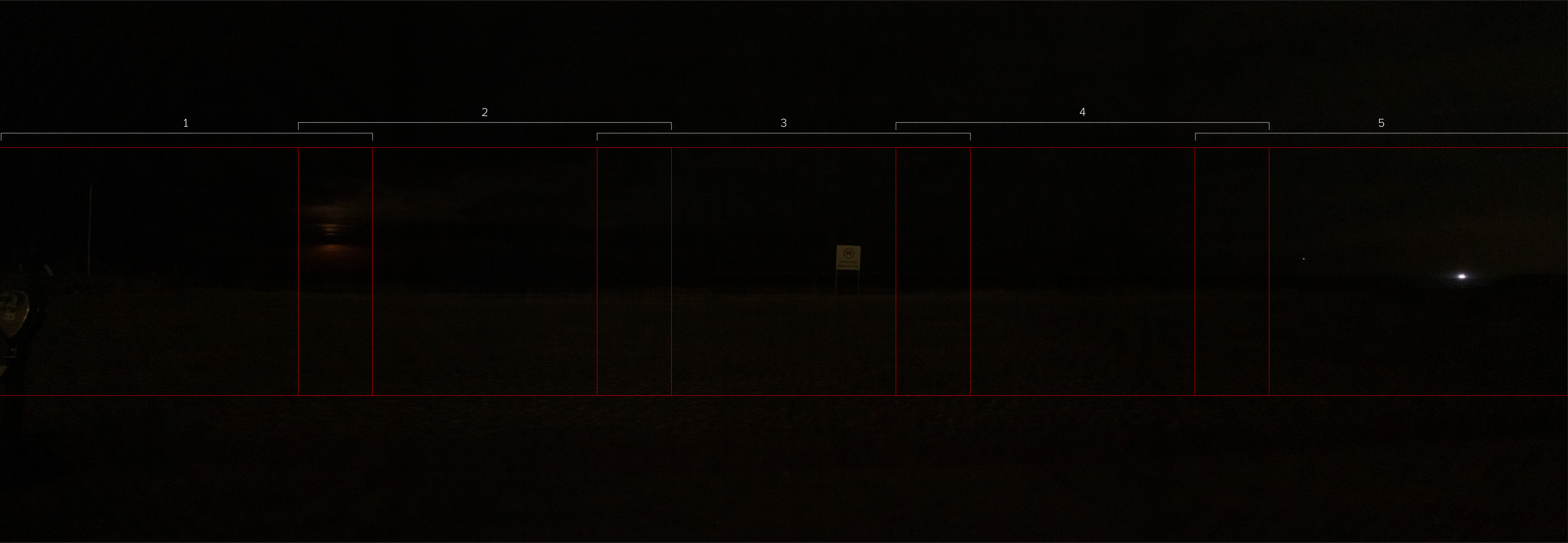
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KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

5/08/2023 at 11:05 - KOP 40



KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

New York Bight

Robert Moses
Camera Heading 179°

Viewpoint Location

Turbines

Latitude:

40.62760238

Elevation:

-73.23267655

Elevation of Viewpoint Position:

8.155

Height of Camera Above Ground:

5.41

Date of Photography:

5/08/2023 at 11:05

Horizontal Field of View:

124°

Vertical Field of View:

95°

Nearest Turbine:

21.3mi (34.2km) (OCS-A 0512)

Furthest Visible Turbine:

32.3mi (52.0km) (OCS-A 0544)

Horizontal Field of View the Projects Occupy:

77°

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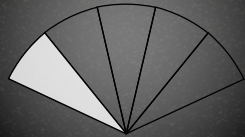
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5/08/2023 at 11:05 - KOP 40



1 2 3 4 5



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



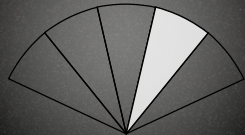
For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



12345



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - NY Bight Leases (1312ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

Argonne
NATIONAL LABORATORY

New York Bight

Robert Moses
Camera Heading 179°

Viewpoint Location

Turbines

Latitude:40.62760238

Longitude:-73.23267655

Elevation of Viewpoint Position:8.155

Height of Camera Above Ground:5.41

Date of Photography:5/08/2023 at 11:05

Horizontal Field of View:124°

Vertical Field of View:95°

Nearest Turbine:24.2mi (39.0km) (OCS-A 0544)

Furthest Visible Turbine:48.8mi (78.5km) (OCS-A 0537)

Horizontal Field of View the Projects Occupy:31.5°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

NOTES:

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Staten Island NY 10301

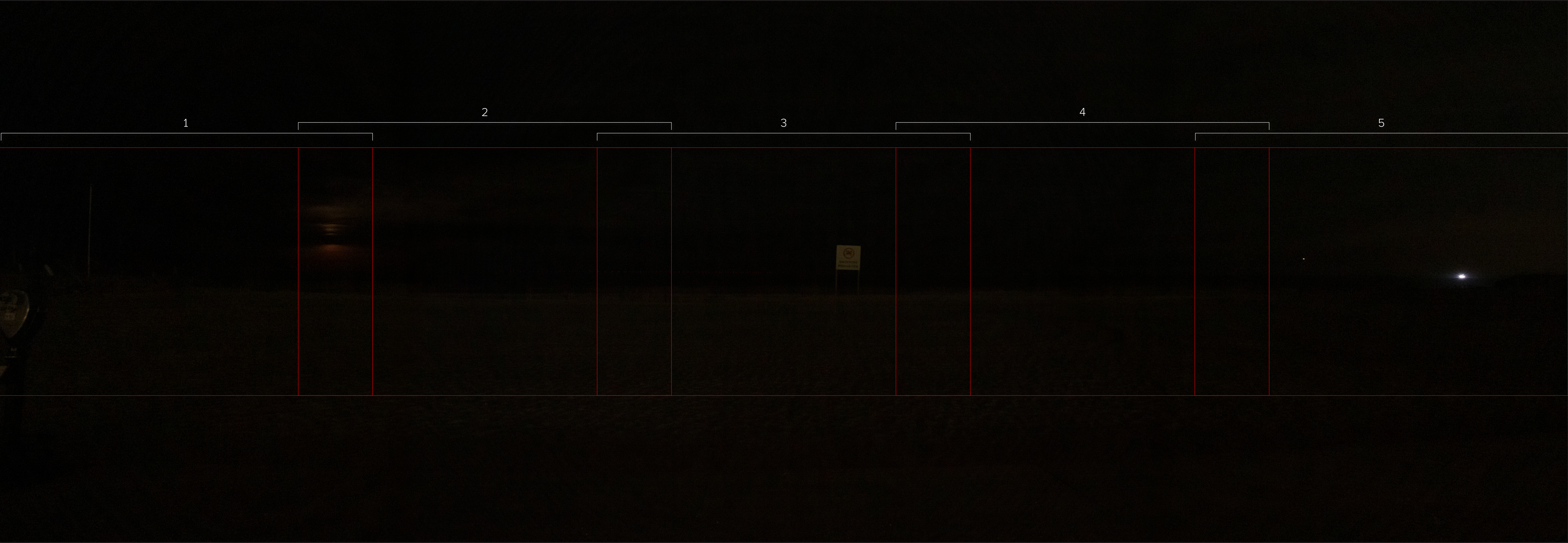
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5/08/2023 at 11:05 - KOP 40



KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - NY Bight Leases (1312ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

Argonne

NATIONAL LABORATORY

New York Bight

Robert Moses

Camera Heading 179°

Viewpoint Location

Turbines

Latitude: 40.62760238

Longitude: -73.23267655

Elevation of Viewpoint Position: 8.155

Height of Camera Above Ground: 5.41

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Horizontal Field of View the Projects Occupy: 31.5°

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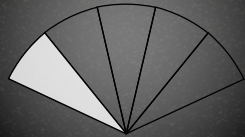
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1 2 3 4 5



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



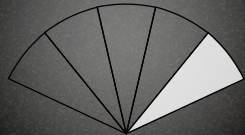
For on-screen display:
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Viewing distance 19.7 inches



1 2 3 4 5

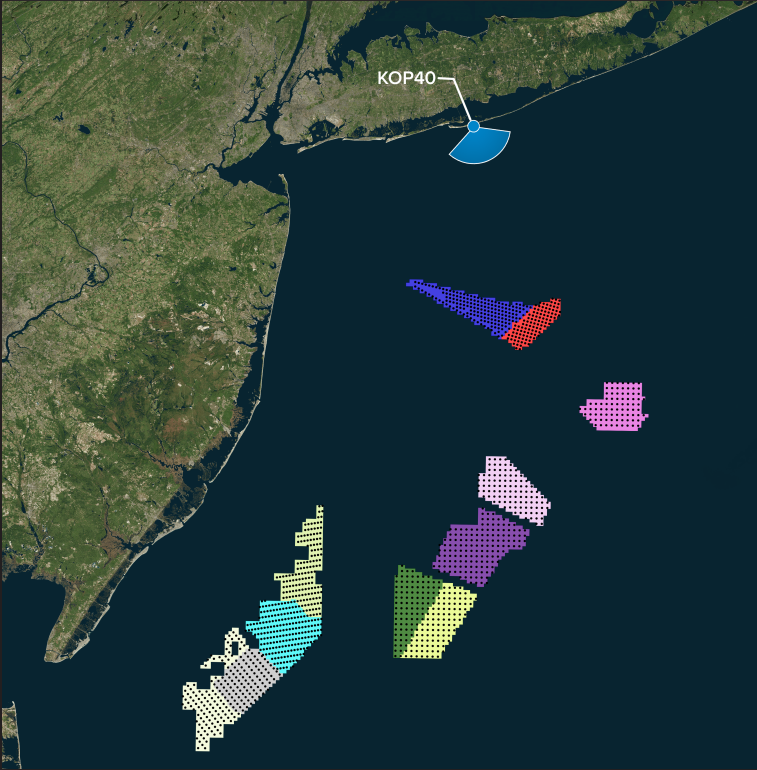


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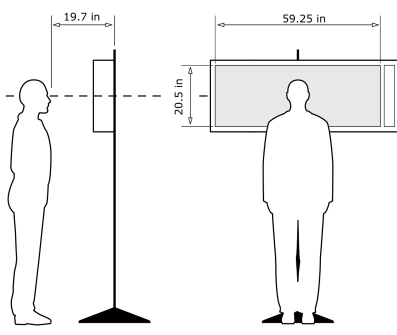
KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
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Latitude: 40.62760238
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Height of Camera Above Ground: 5.41
Date of Photography: 5/08/2023 at 11:05
Horizontal Field of View: 124°
Vertical Field of View: 95°
Nearest Turbine: 21.3mi (34.2km) (OCS-A 0512)
Furthest Visible Turbine: 48.8mi (78.5km) (OCS-A 0537)
Horizontal Field of View the Projects Occupy: 80.4°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

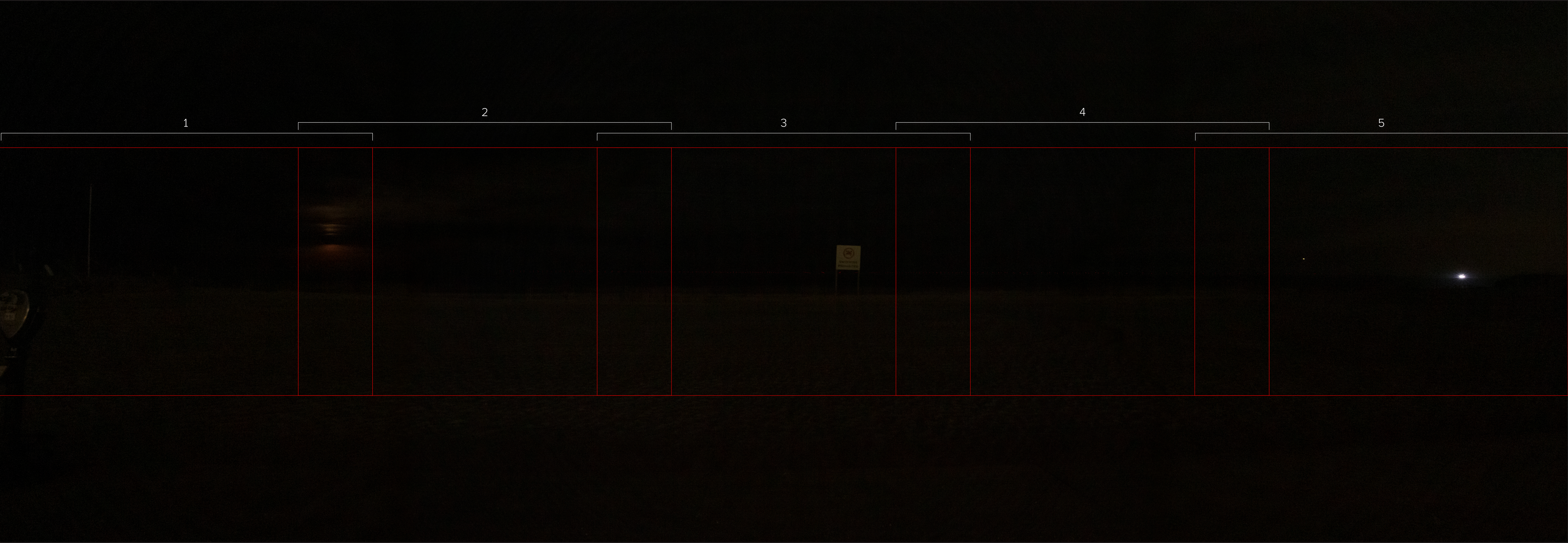


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Staten Island NY 10301

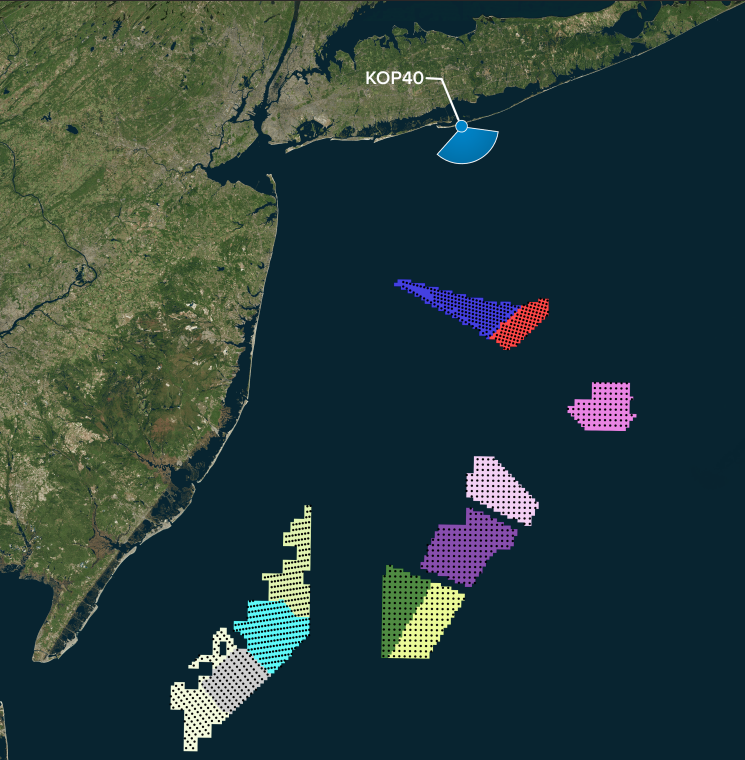
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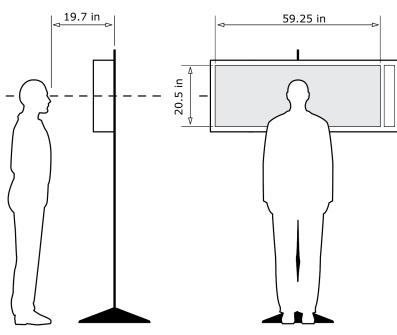
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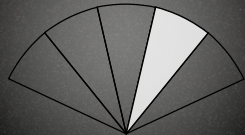
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12345



For on-screen display:
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Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - External Leases - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

Argonne

NATIONAL LABORATORY

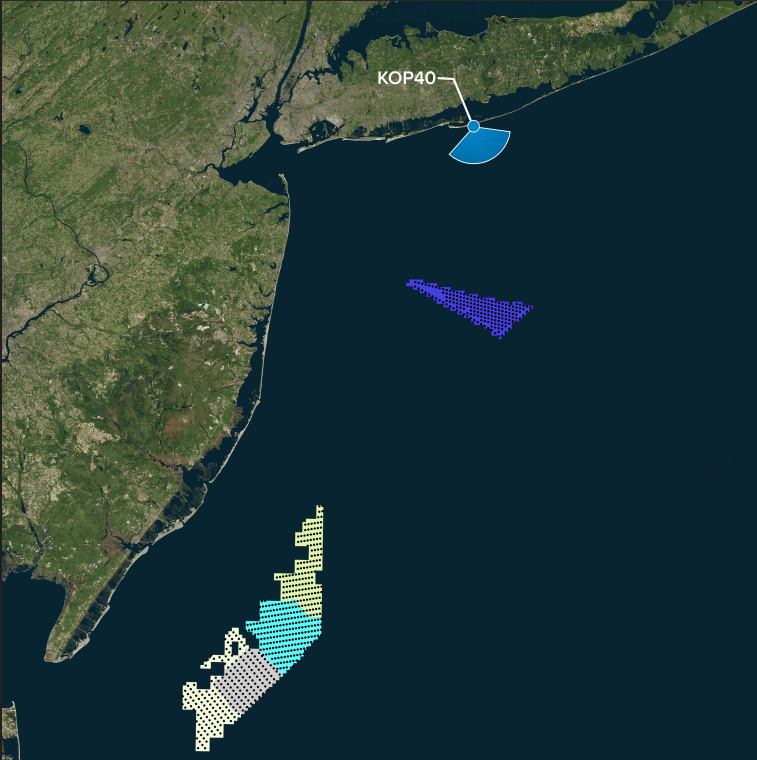
New York Bight

Robert Moses

Camera Heading 179°

Viewpoint Location

Turbines



Latitude: 40.62760238

Longitude: -73.23267655

Elevation of Viewpoint Position: 8.155

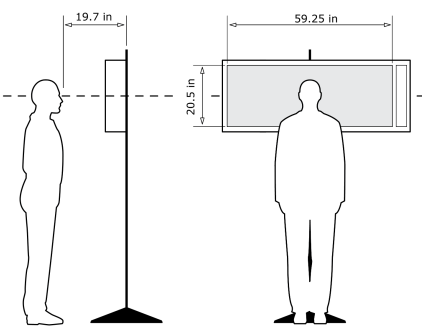
Height of Camera Above Ground: 5.41

Date of Photography: 5/08/2023 at 11:05

Horizontal Field of View: 124°

Vertical Field of View: 55°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:

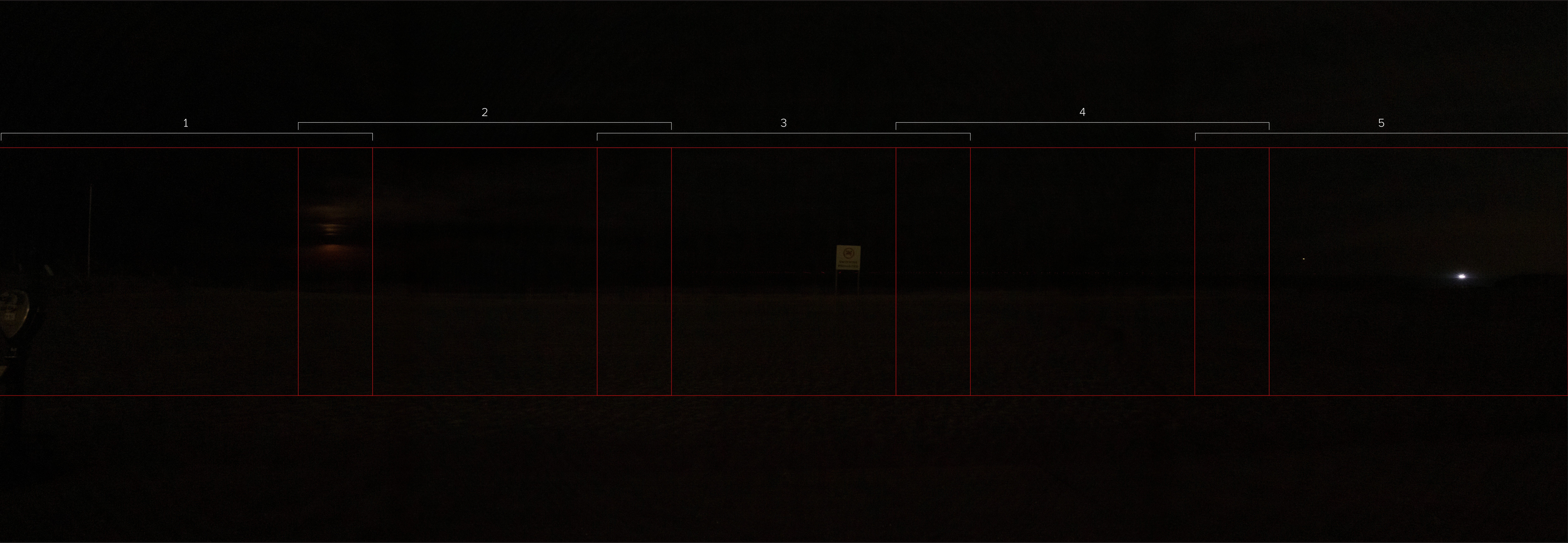
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truescape.com



KOP 40, Robert Moses, Night, Heading 179° - **Proposed View - External Leases - Maximum Visibility**

For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

New York Bight

Robert Moses
Camera Heading 179°

Viewpoint Location

Turbines

Latitude: 40.62760238

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Elevation of Viewpoint Position: 8.155

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Heights are above mean sea level.
Structure design and placement are subject to final engineering.
No part of this photo simulation shall be altered in any way.

Photo Simulation Created Using
TrueView™ Technology
(Patent No.: US 8,184,906 B2)
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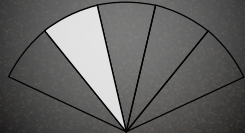
5/08/2023 at 11:05 - KOP 40



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



12345



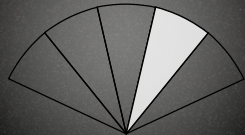
For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches



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Scale bar to be 4 inches wide
Viewing distance 19.7 inches



12345



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Viewing distance 19.7 inches



For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches