

KOP 26: Fort Tilden / Jacob Riis - Night | Season: Winter | Time of Day: Night

Base Photographic Documentation

Date (MM/DD/YYYY):	1/02/2023
Time (24hr):	19:15
GPS Longitude:	-73.87307969
GPS Latitude:	40.56498403
Viewpoint Elevation (ft):	10.533
Camera Height (ft):	5.41
Camera Heading (°):	162
Camera Direction:	SSE

Camera Information

Camera Make & Model:

Canon EOS 5DS R

Camera Sensor Size:

36mm x 24mm

Lens Make & Model:

Sigma F1.4 DG HSM A019

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 Partly Cloudy Weather Conditions: Maximum Visibility (NM): 10.86 Temperature (°F): 35 Temperature (°C): 1.67 85 Humidity (%):

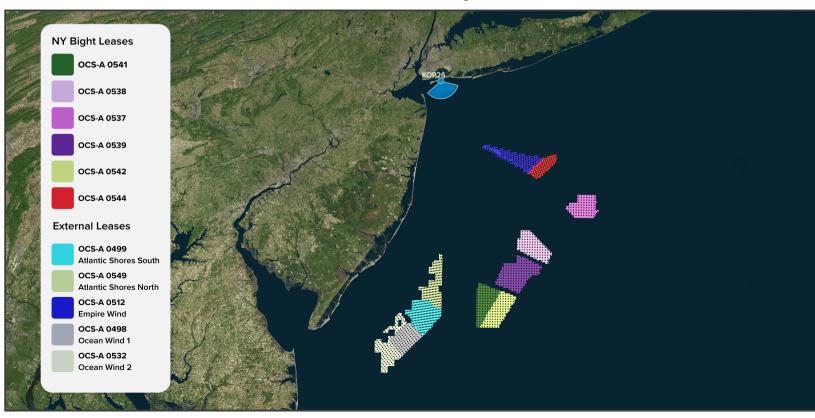
Viewing Instructions

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





KOP 26: Fort Tilden / Jacob Riis - Night | Season: Winter | Time of Day: Night

NY Bight Turbine Information - 1312ft (399.9m)

Lease Area	Distance to	Turbines Visible		
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	85	0	0
OCS-A 0544	43.70 (70.32)	85	0	0
OCS-A 0537	66.00 (106.22)	0	0	0
OCS-A 0538	60.58 (97.50)	0	0	0
OCS-A 0539	69.17 (111.32)	0	0	0
OCS-A 0541	76.16 (122.57)	0	0	0
OCS-A 0542	82.11 (132.14)	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)	1004.7 (306.2)	
Percent of Nearest Turbine Hidden (%)	76.6%	
Amount of Nearest Turbine Visible in ft (m)	307.36 (93.68)	
Percent of Nearest Turbine Visible (%)	23.4%	

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	Turbines Visible		
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	0	0	0
OCS-A 0544	43.70 (70.32)	0	0	0
OCS-A 0537	66.00 (106.22)	0	0	0
OCS-A 0538	60.58 (97.50)	0	0	0
OCS-A 0539	69.17 (111.32)	0	0	0
OCS-A 0541	76.16 (122.57)	0	0	0
OCS-A 0542	82.11 (132.14)	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.

VISIDIC.					
Turbine Visibility	Turbine Visibility & Percentage				
Amount of Nearest Turbine Hidden in ft (m)	853 (260)				
Percent of Nearest Turbine Hidden (%)	100%				
Amount of Nearest Turbine Visible in ft (m)	0.0 (0.0)				
Percent of Nearest Turbine Visible (%)	0.0%				

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	Turbines Visible		
	Nearest Turbine in Miles (km)	Blade Tip	Hub	Mid Tower
Total	-	154	53	N/A
OCS-A 0499	N/A	0	0	N/A
OCS-A 0549	N/A	0	0	N/A
OCS-A 0512	21.1 (33.9)	154	53	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)

1312ft (399.9m)				853ft (260m	1)
Blade Tip	Hub	Mid Tower	r Blade Tip Hub Mid To		
239	53	0	154	53	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)		



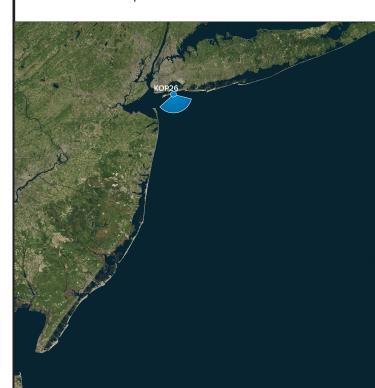
Argonne

New York Bight

Fort Tilden / Jacob Riis - Night

Camera Heading 162°

Viewpoint LocationTurbines



Latitude:
Longitude:
-73.87307969
Elevation of Viewpoint Position:
Height of Camera Above Ground:
Date of Photography:
Horizontal Field of View:
Vertical Field of View:

5.41

1/02/2023 at 19:15

124°

Vertical Field of View:
55°

CORRECT VIEWING OF TRUEVIEWTM PHOTO SIMULATIONS

59,25 in

59,25 in

NOTES:

Viewpoint locations have been precision si

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.

Photo Simulation Created Using TrueViewTM Technology (Patent No.: US 8,184,906 B2)

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For on-screen display:

Scale bar to be 4 inches wide

Viewing distance 19.7 inches



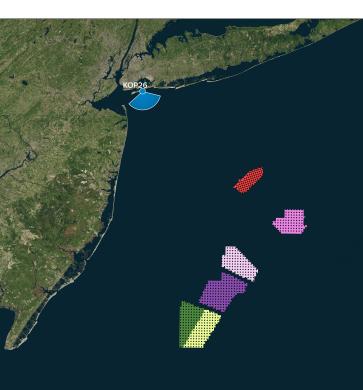


New York Bight

Fort Tilden / Jacob Riis - Night

Camera Heading 162°

Viewpoint LocationTurbines



Latitude:
Longitude:
-73.87307969
Elevation of Viewpoint Position:
10.533
Height of Camera Above Ground:
5.41
Date of Photography:
Horizontal Field of View:
124°
Vertical Field of View:
55°
Nearest Turbine:
43.7mi (70.3km) (OCS-A 0544)
Furthest Visible Turbine:
None
Horizontal Field of View the Projects Occupy:
None°

CORRECT VIEWING OF TRUEVIEWTM PHOTO SIMULATIONS

NOTES:

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New York City Land Surveyors PC
63 Montgomery Avenue
Staten Island NY 10301

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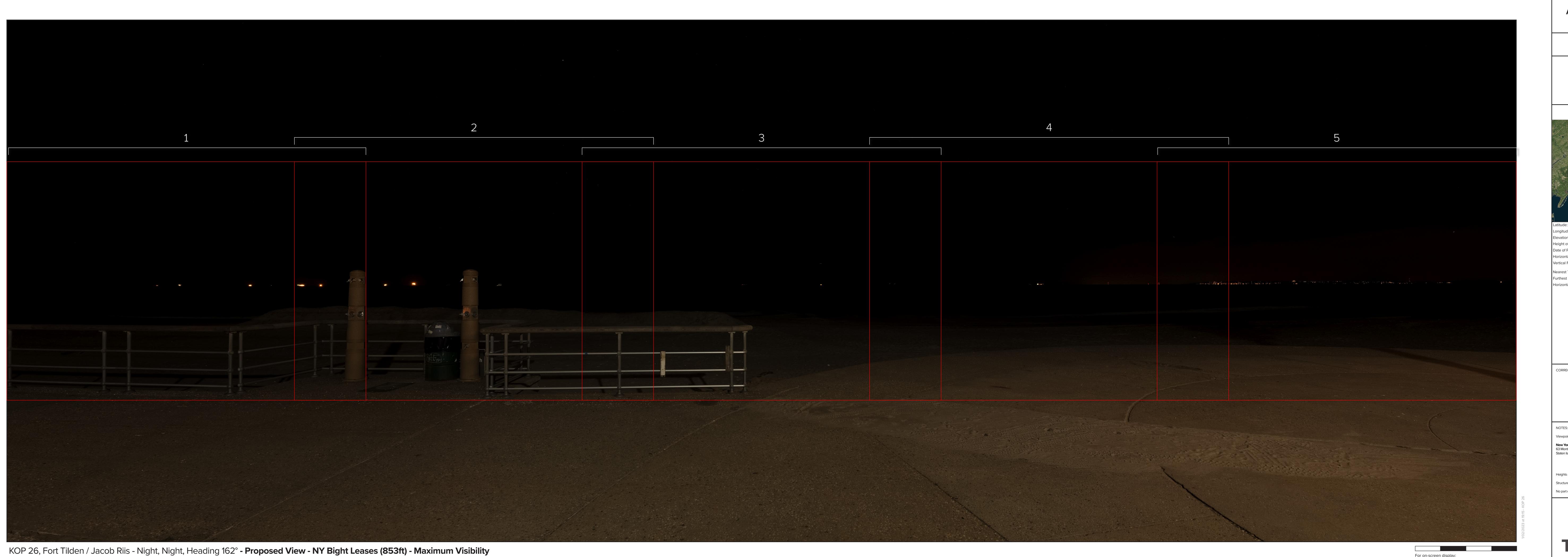
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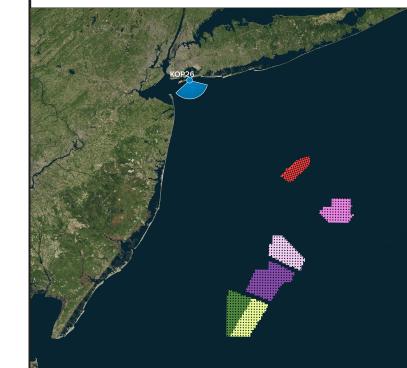
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Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View: Horizontal Field of View the Projects Occupy: None°

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Viewing distance 19.7 inches



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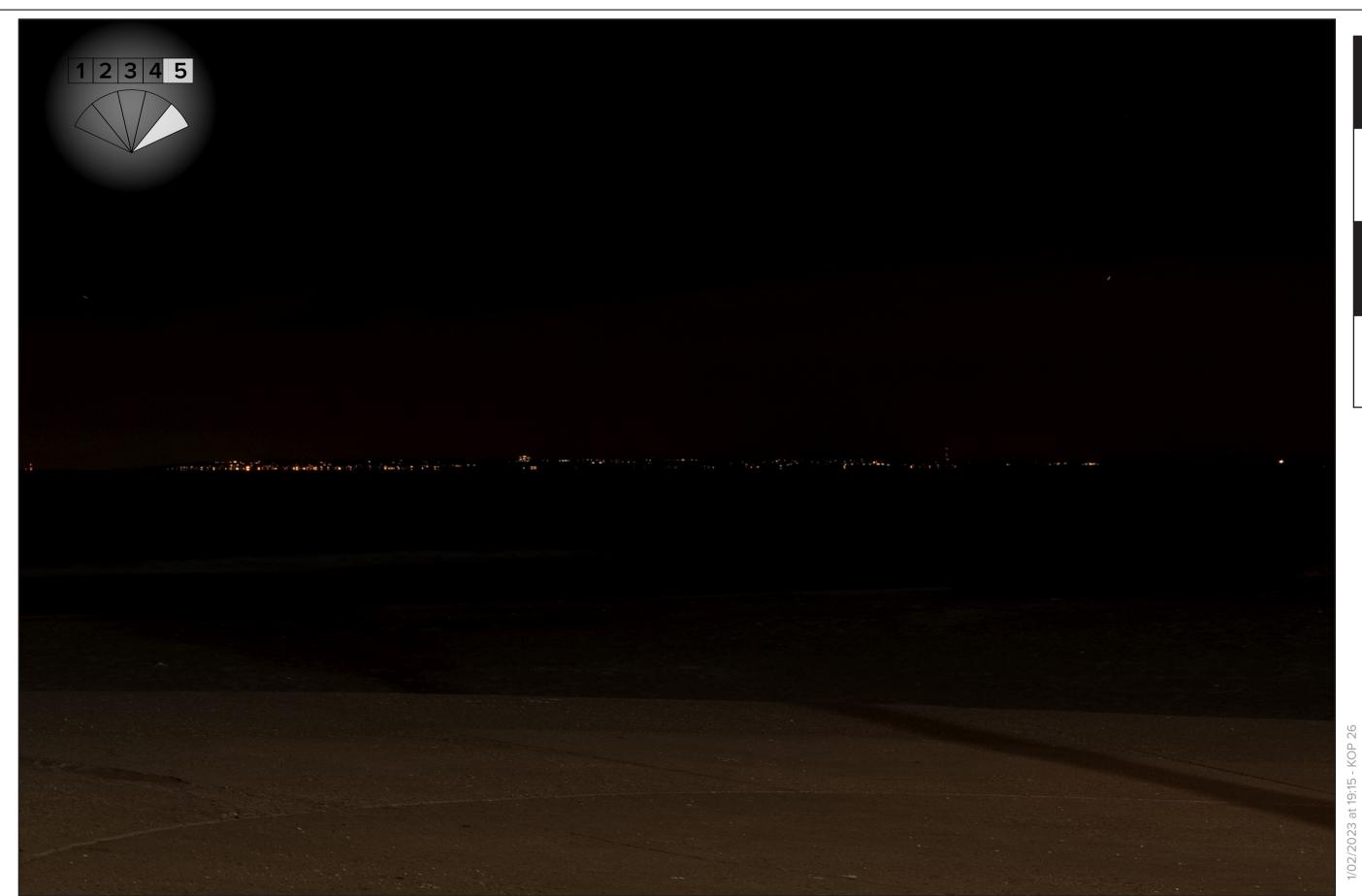


For on-screen display: Scale bar to be 4 inches wide Viewing distance 19.7 inches

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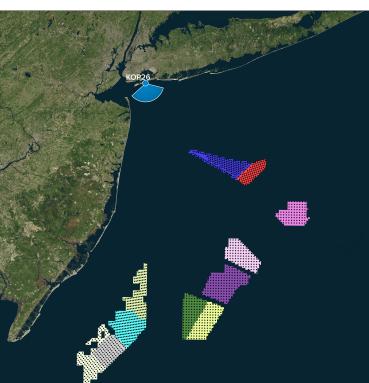
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Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View: Horizontal Field of View the Projects Occupy: 15.7°

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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.

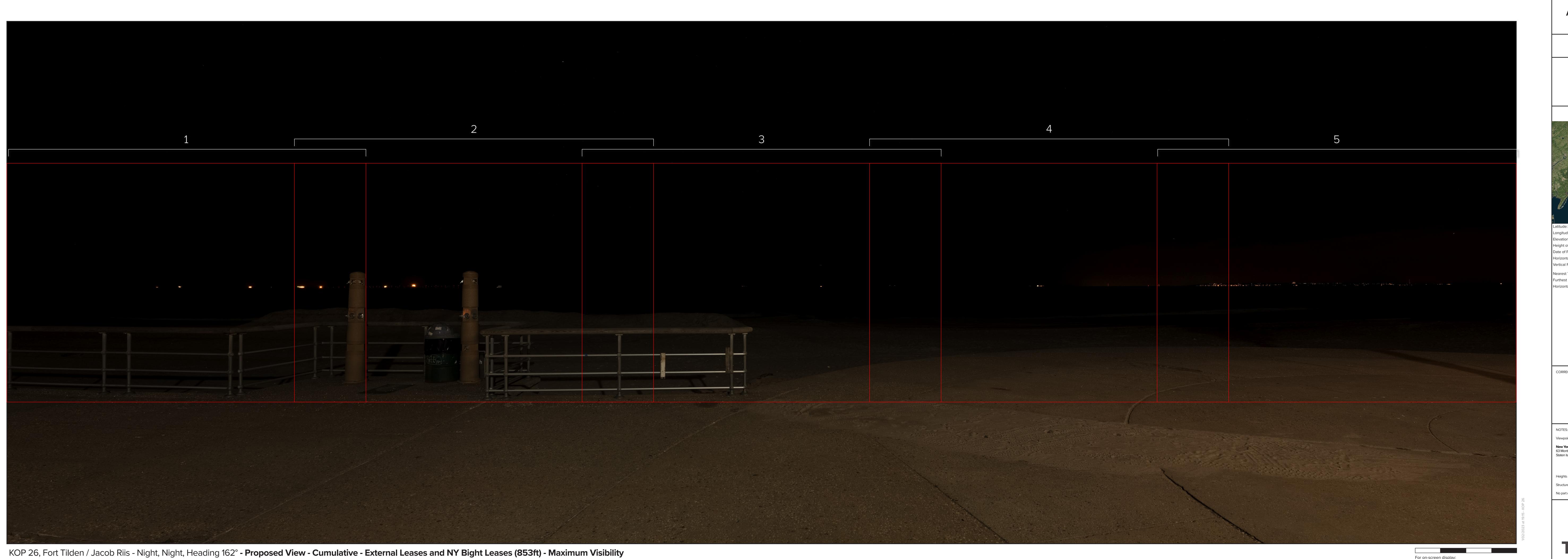
Structure design and placement are subject to final engineering. No part of this photo simulation shall be altered in any way.

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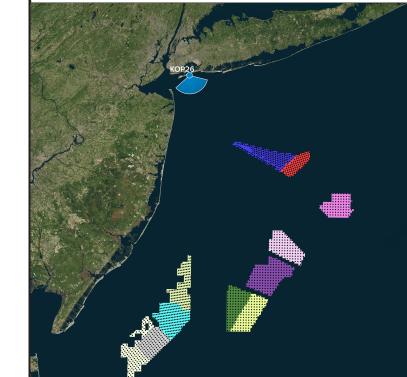
truescape.com Viewing distance 19.7 inches

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



Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View: Furthest Visible Turbine: 42.6mi (68.6km) (OCS-A 0512) Horizontal Field of View the Projects Occupy: 15.7°

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Viewpoint locations have been precision surveyed by

New York City Land Surveyors PC 63 Montgomery Avenue Staten Island NY 10301

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For on-screen display:

Scale bar to be 4 inches wide

Viewing distance 19.7 inches



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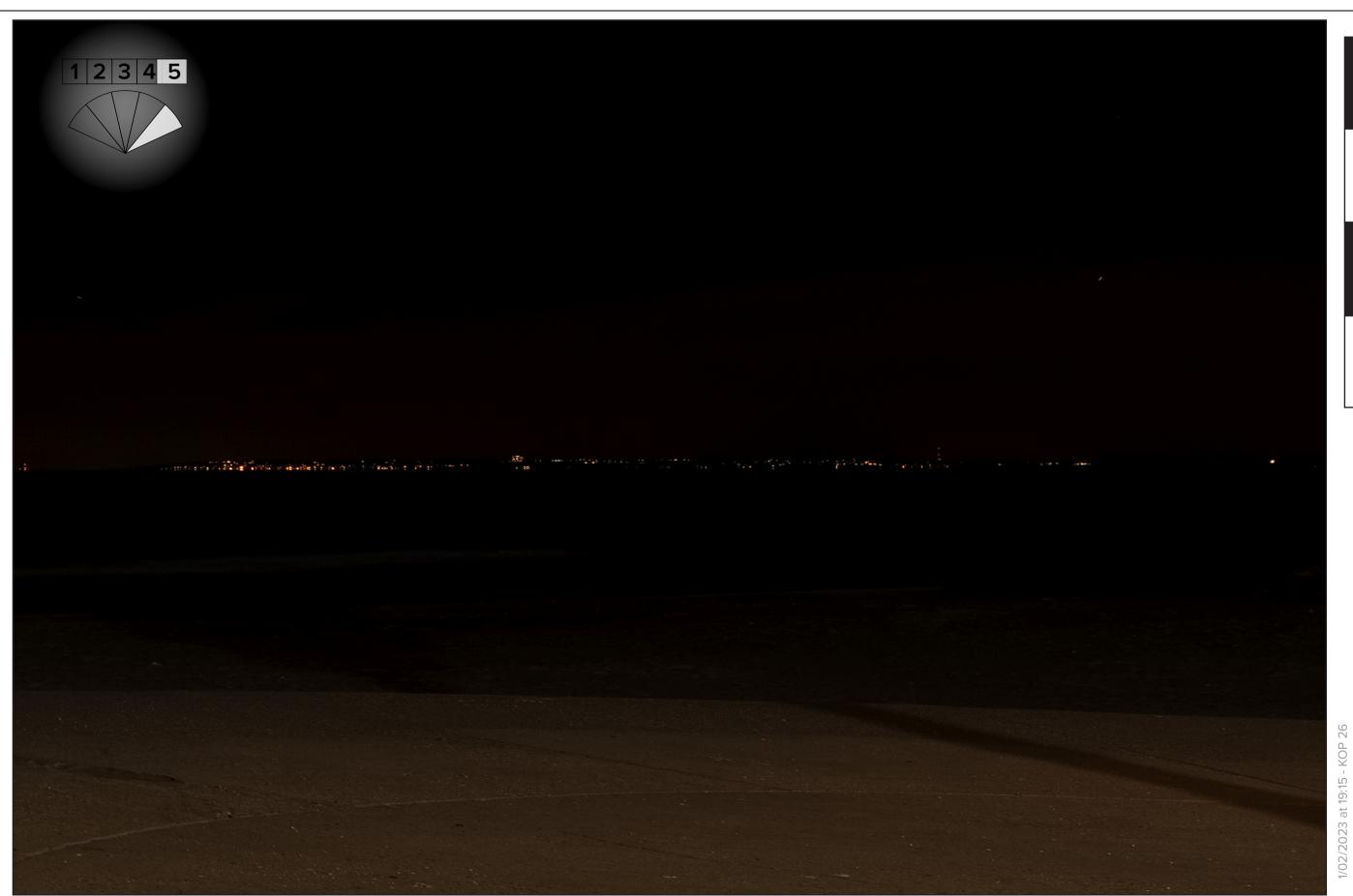


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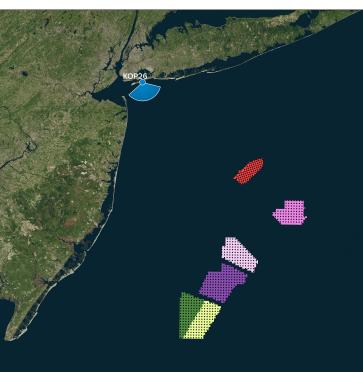


New York Bight

Fort Tilden / Jacob Riis - Night

Camera Heading 162°

Viewpoint LocationTurbines



Latitude:
Longitude:
-73.87307969
Elevation of Viewpoint Position:
10.533
Height of Camera Above Ground:
5.41
Date of Photography:
1/02/2023 at 19:15
Horizontal Field of View:
124°
Vertical Field of View:
55°
Nearest Turbine:
43.7mi (70.3km) (OCS-A 0544)
Furthest Visible Turbine:
49.2mi (79.2km) (OCS-A 0544)
Horizontal Field of View the Projects Occupy:
15°

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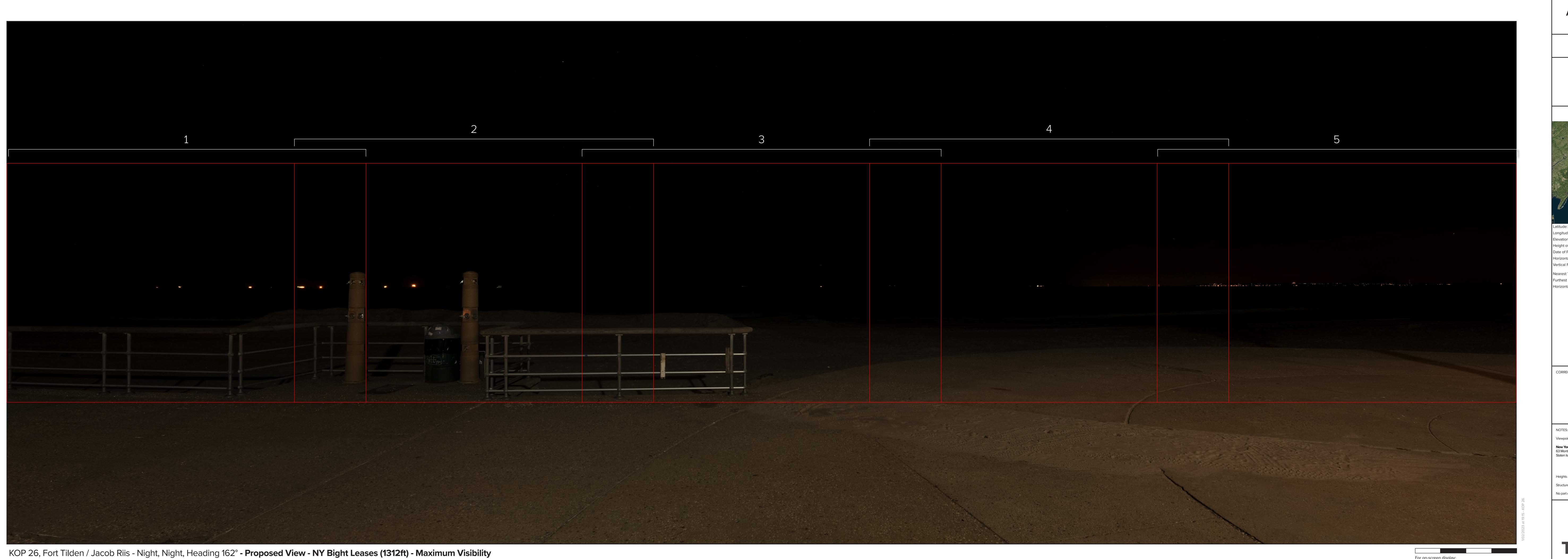
Provided by

For on-screen display:

Scale bar to be 4 inches wide

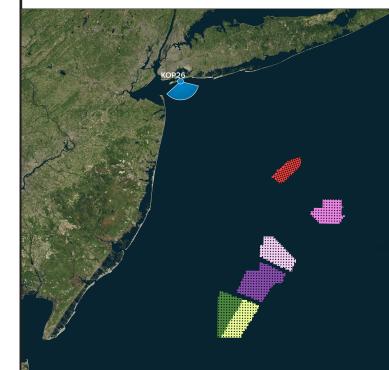
Viewing distance 19.7 inches

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Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View: Furthest Visible Turbine: 49.2mi (79.2km) (OCS-A 0544) Horizontal Field of View the Projects Occupy: 15°

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Photo Simulation Created Using TrueView™ Technology

For on-screen display:

Scale bar to be 4 inches wide

Viewing distance 19.7 inches

(Patent No.: US 8,184,906 B2)

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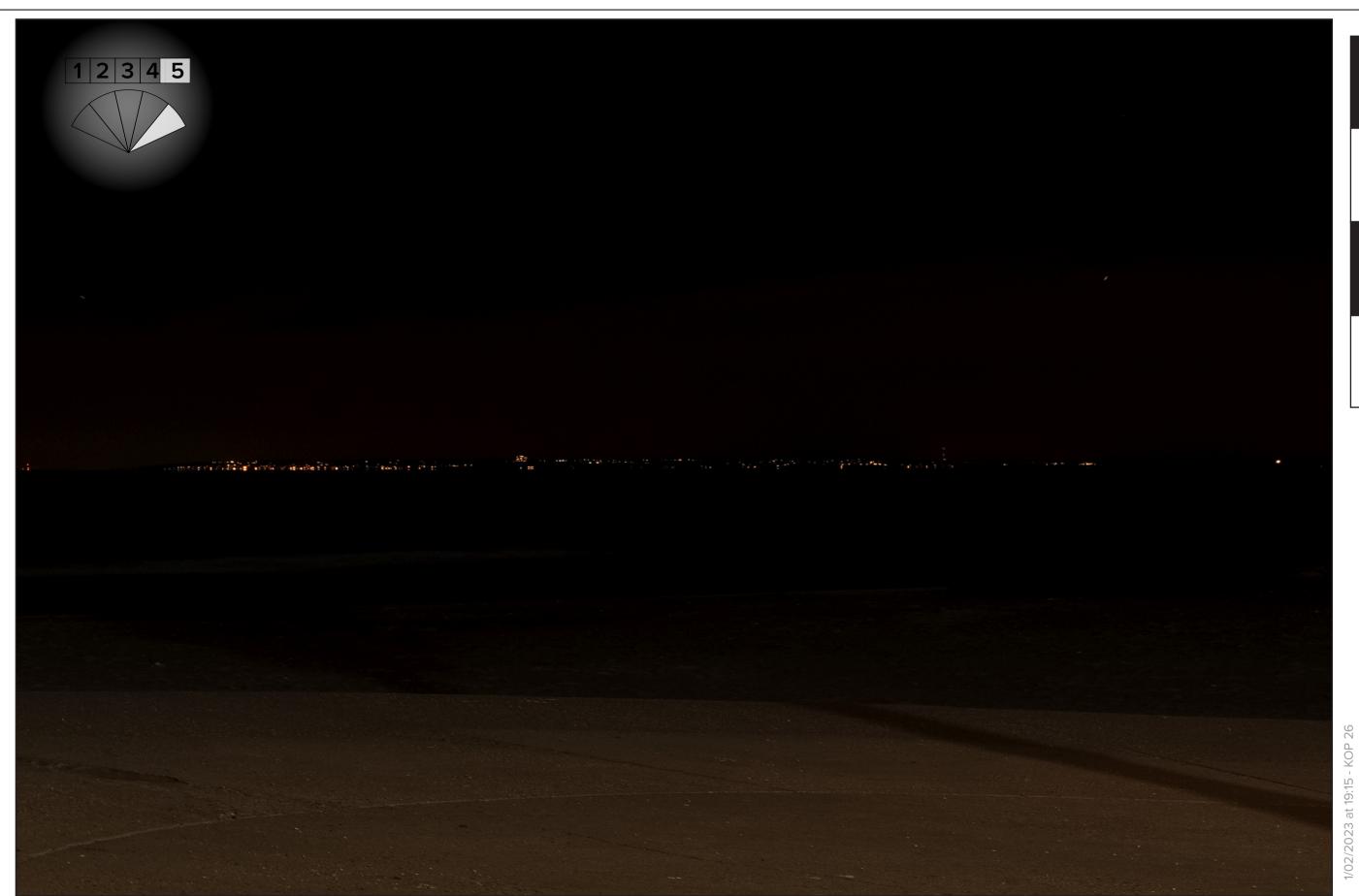


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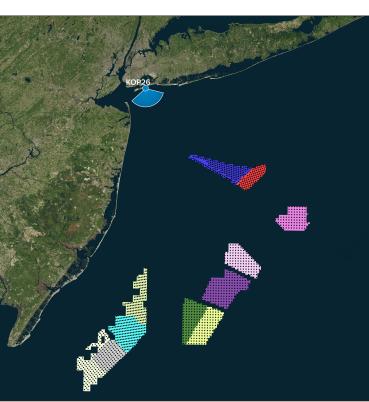
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Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View: Furthest Visible Turbine: 49.2mi (79.2km) (OCS-A 0544) Horizontal Field of View the Projects Occupy: 20°

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

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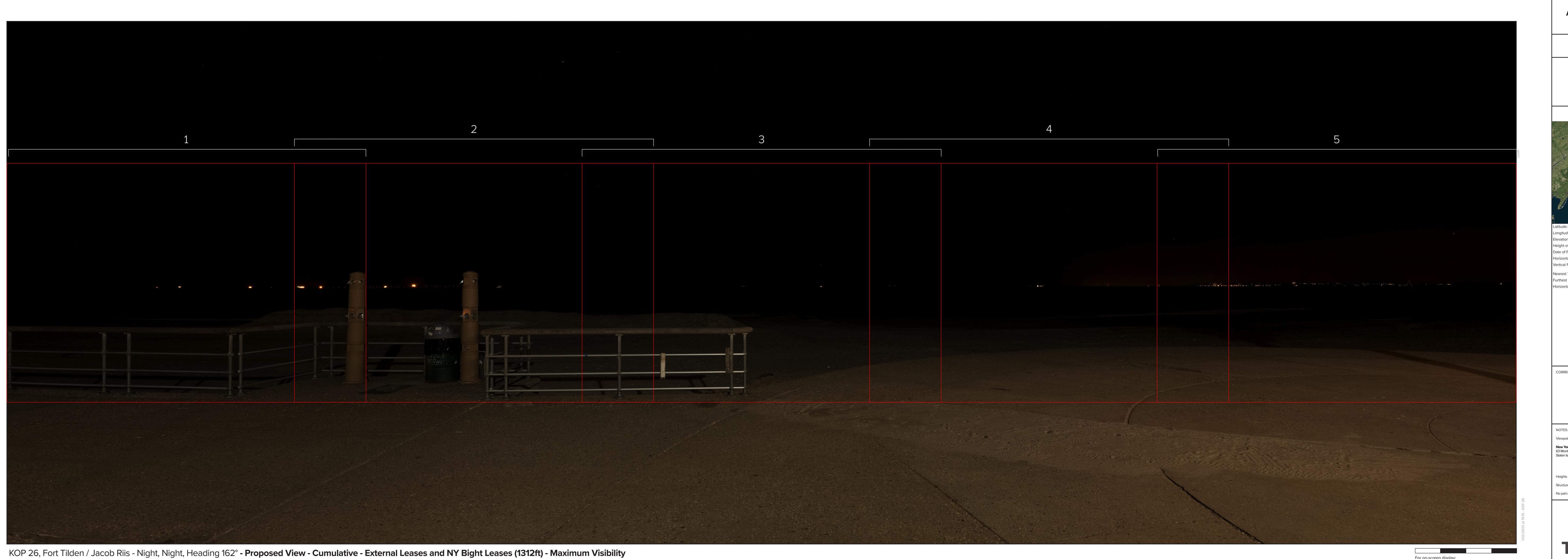
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TrueView[™] Technology (Patent No.: US 8,184,906 B2) Provided by

KOP 26, Fort Tilden / Jacob Riis - Night, Night, Heading 162° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility

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

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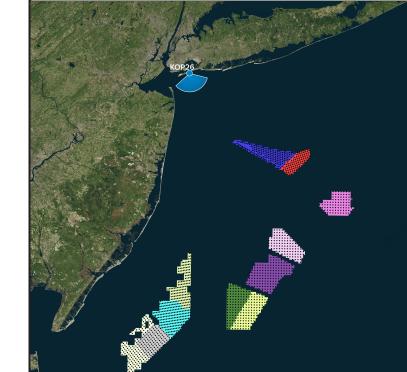
Argonne

New York Bight

Fort Tilden / Jacob Riis - Night

Camera Heading 162°

Viewpoint LocationTurbines



Latitude:

Longitude:

-73.87307969

Elevation of Viewpoint Position:

10.533

Height of Camera Above Ground:

5.41

Date of Photography:

Horizontal Field of View:

Vertical Field of View:

Nearest Turbine:

21.1mi (34.0km) (OCS-A 0512)

Furthest Visible Turbine:

49.2mi (79.2km) (OCS-A 0544)

Horizontal Field of View the Projects Occupy:

20°

CORRECT VIEWING OF TRUEVIEWTM PHOTO SIMULATIONS

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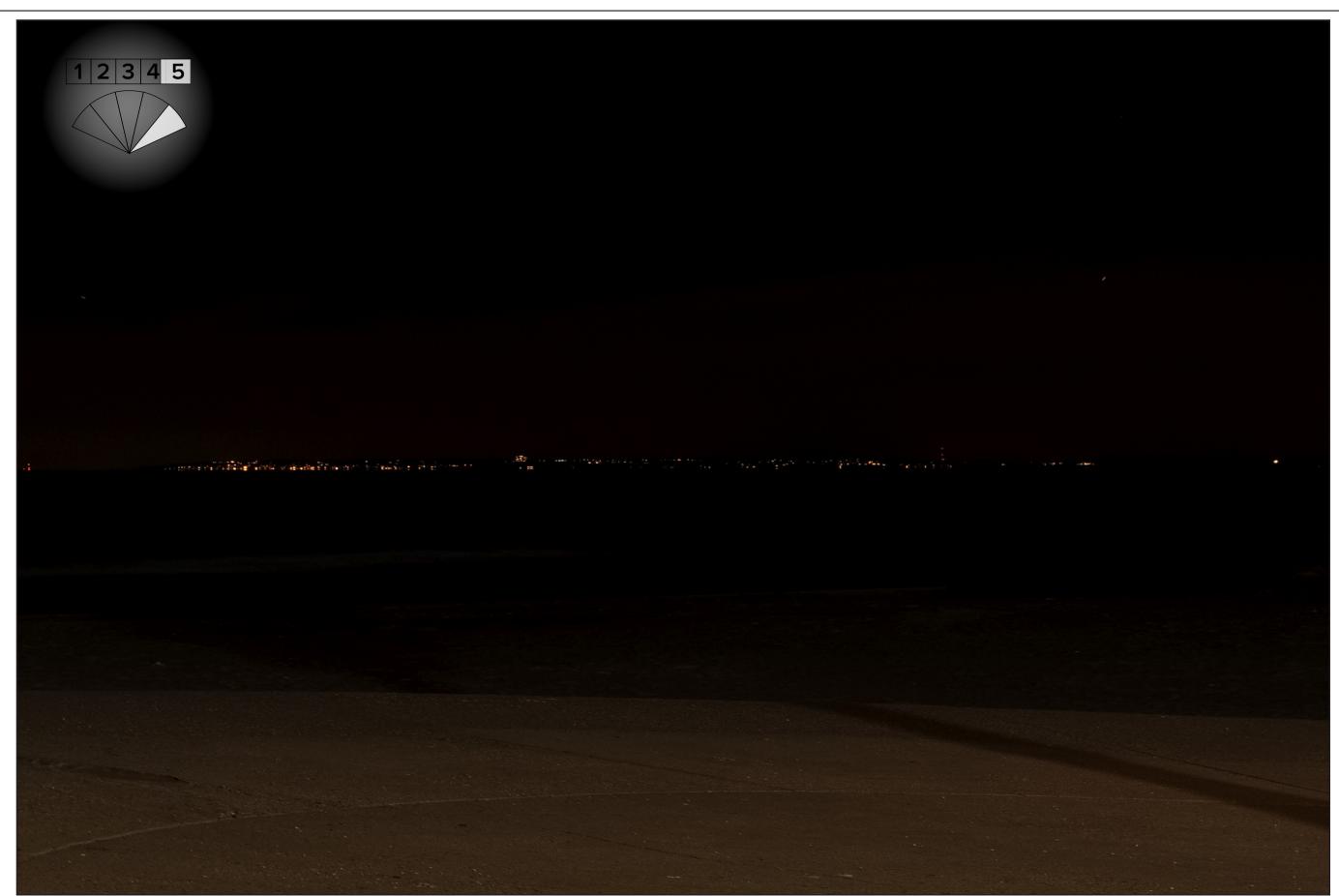
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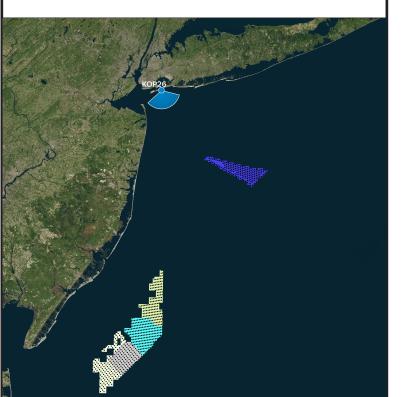


New York Bight

Fort Tilden / Jacob Riis - Night

Camera Heading 162°

Viewpoint LocationTurbines



Latitude:
Longitude:
-73.87307969
Elevation of Viewpoint Position:
Height of Camera Above Ground:
5.41
Date of Photography:
Horizontal Field of View:
124°
Vertical Field of View:
55°

CORRECT VIEWING OF TRUEVIEWTM PHOTO SIMULATIONS

19.7 in

59.25 in

79.7 in

80.7 in

19.7 in

19.7

TES:

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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 engin

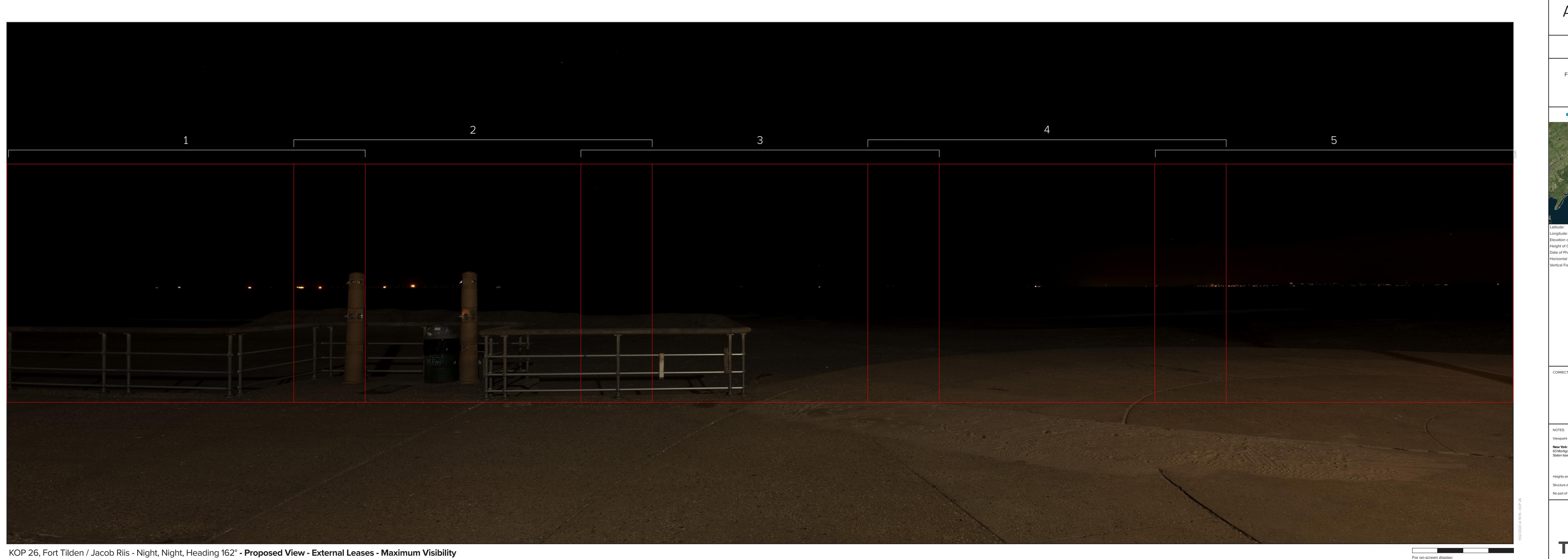
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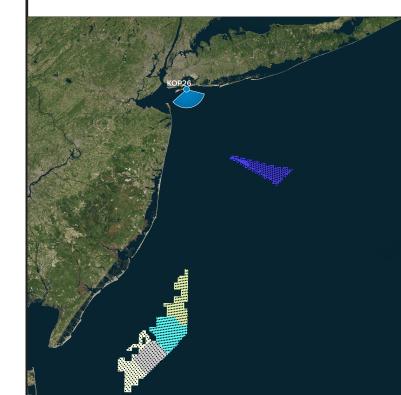
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Fort Tilden / Jacob Riis - Night Camera Heading 162°

Viewpoint LocationTurbines



Elevation of Viewpoint Position: Height of Camera Above Ground: Date of Photography: Horizontal Field of View: Vertical Field of View:

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

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

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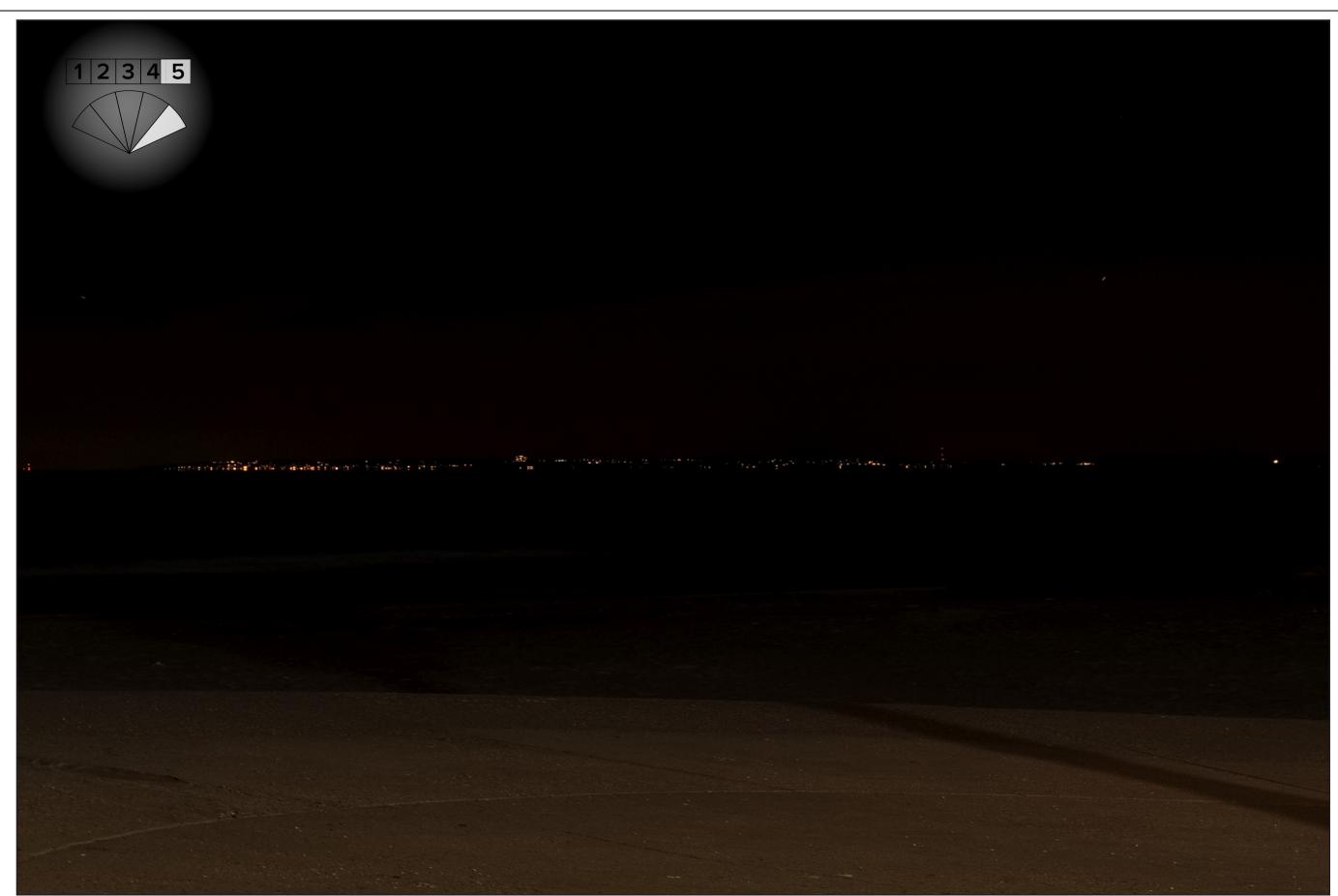


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