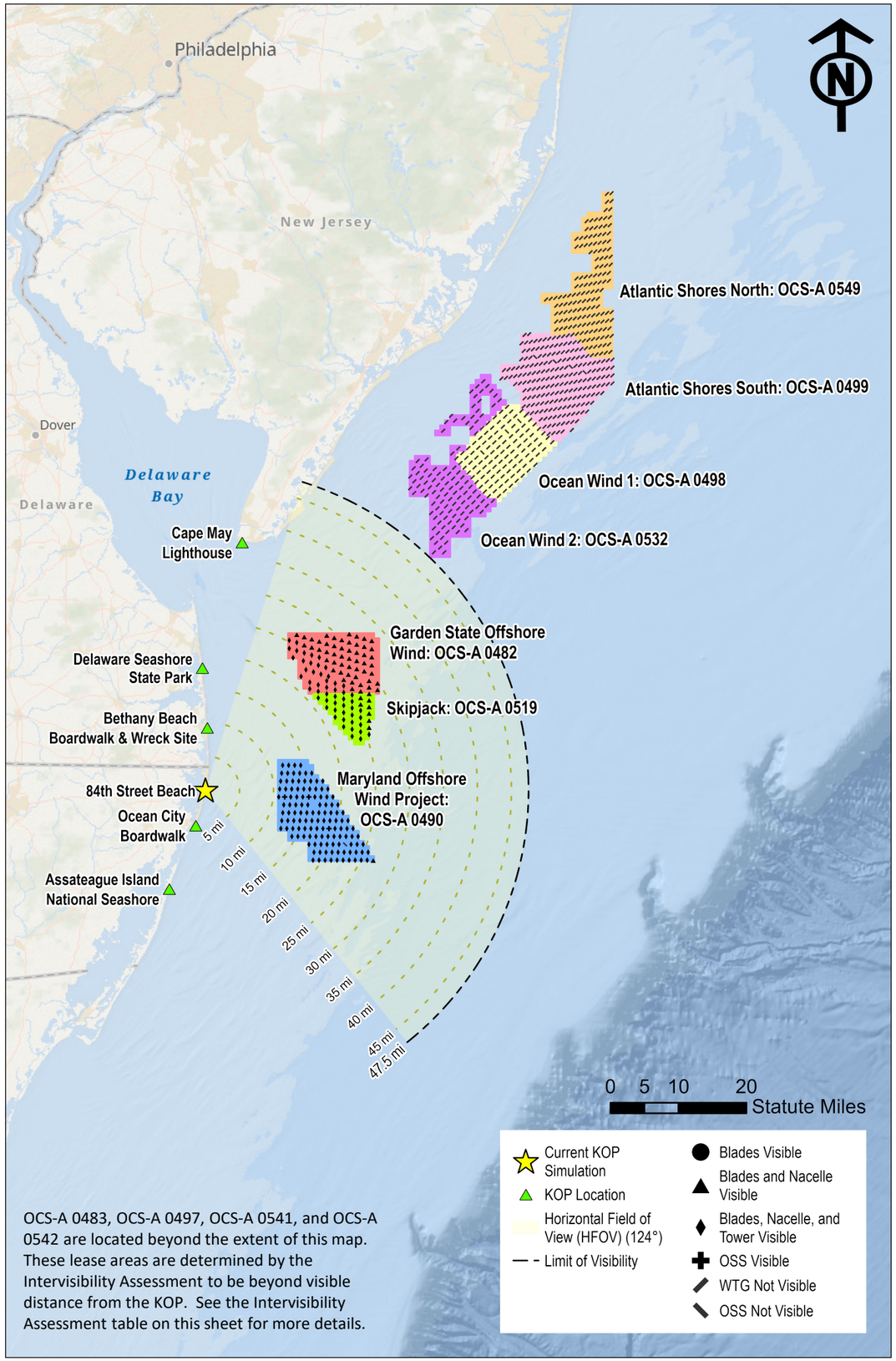
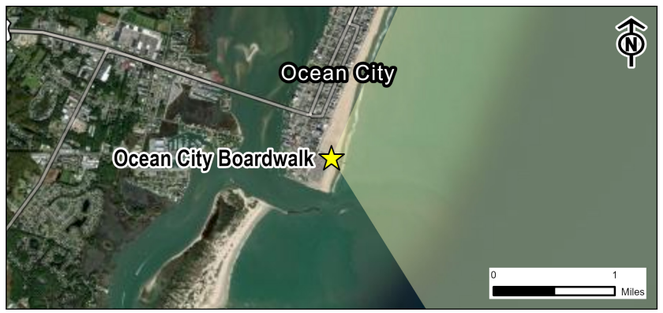


OCS-A 0483, OCS-A 0497, OCS-A 0541, and OCS-A 0542 are located beyond the extent of this map. These lease areas are determined by the Intervisibility Assessment to be beyond visible distance from the KOP. See the Intervisibility Assessment table on this sheet for more details.

SCENARIO 3 INTERVISIBILITY ASSESSMENT FROM KEY OBSERVATION POINT

Development	Minimum Distance from KOP to Turbines (mi)	Maximum Blade Height of Nearest Turbine (Feet)	Visibility Status This Scenario
Maryland Offshore Wind Project, OCS-A 0490	10.8	938	Visible
Skipjack, OCS-A 0519	21.4	853	Visible
Garden State Offshore Wind, OCS-A 0482	21.8	853	Visible
Ocean Wind 2, OCS-A 0532	48.5	906	Developed But Beyond Visible Distance
Ocean Wind 1, OCS-A 0498	60	906	Developed But Beyond Visible Distance
Atlantic Shores South, OCS-A 0499	72.7	1049	Developed But Beyond Visible Distance
Atlantic Shores North, OCS-A 0549	85.2	1049	Developed But Beyond Visible Distance
Coastal Virginia Offshore Wind (C-Lease), OCS-A 0483	97.6	869	Developed But Beyond Visible Distance
Coastal Virginia Offshore Wind (Research Lease), OCS-A 0497	106.6	607	Developed But Beyond Visible Distance
Atlantic Shores Offshore Wind Bight (NY Bight), OCS-A 0541	94.2	853	Developed But Beyond Visible Distance
Invenergy Wind Offshore (NY Bight), OCS-A 0542	95.1	853	Developed But Beyond Visible Distance

Information on the neighboring offshore development projects is based on the most current information available.



[1] "The Best Paper Format and Viewing Distance to Represent the Scope and Scale of Visual Impacts", Journal of Landscape Architecture, 4-2019, pp. 142-151, J. Palmer

[2] Sheppard, S. 1989. Visual Simulation: A User's Guide for Architects, Engineers, and Planners. New York: Van Nostrand Rheinhold.

The Maryland Offshore Wind Project will either use two large OSSs only at interior locations within the array or four small OSSs throughout the array. For the purpose of the simulations, the largest OSS that may be used at a particular location has been simulated.

SITE INFORMATION

Site Name:	84th Street Beach
Location:	Ocean City, MD
Date:	7/26/2021
Time:	6:22 AM (*1:00 PM)
Coordinates (Lat/Lon WGS84):	38.402, -75.059
Landscape Zone:	Barren Land (Rock/Sand/Clay) - Beach

CUMULATIVE VISUAL EFFECTS SCENARIOS (CURRENT IS BOLD)

Scenario 1, Pre-Buildout of Maryland Offshore Wind Project
Scenario 2, Maryland Offshore Wind Project and Projects Already or Considered Constructed
Scenario 3, Project Construction by 2030
Scenario 4, Project Construction by 2030 Without Maryland Offshore Wind Project
Scenario 5, Maryland Wind Without Other Foreseeable Future Changes

SCENARIO DESCRIPTION AND ASSUMPTIONS

In addition to the project conditions from Scenarios 1 and 2 for Coastal Virginia Offshore Wind (Research Lease) OCS-A 0497, Coastal Virginia Offshore Wind (C-Lease) OCS-A 0483, Ocean Wind 1 OCS-A 0498, Atlantic Shores South OCS-A 0499, and Maryland Offshore Wind Project OCS-A 0490, Scenario 3 depicts all projects scheduled for construction after the Maryland Offshore Wind Project through 2030 with the addition of Atlantic Shores North OCS-A 0549, Ocean Wind 2 OCS-A 0532, Garden State Offshore Wind OCS-A 0482, Skipjack OCS-A 0519, Atlantic Shores Offshore Wind Bight (NY Bight) OCS-A 0541, and Invenergy Wind Offshore (NY Bight) OCS-A 0542. The simulations produced for Scenario 3 visualize all such projects that are determined by the intervisibility assessment to be visible from KOP 22, 84th Street Beach.

All simulated WTGs use monopile foundation structures, and all are oriented in the same direction with the centermost WTG facing directly towards the camera. The simulated WTGs use RAL 9010 Pure White paint color and the same lighting scheme that was outlined in US Wind's Visual Impact Assessment. As a point of reference, a 1049' tall structure drops completely below the horizon at a distance of 47.5 statute miles from a 5.1' tall viewer at this KOP.

SHEET INDEX AND VIEWING INSTRUCTIONS

To approximate the field of view represented by a 16.5" panorama it should be printed on an 11" x 17" sheet of paper and viewed from 8 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar matches what's instructed on the simulation sheet.

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical.

KOP 22 84TH STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

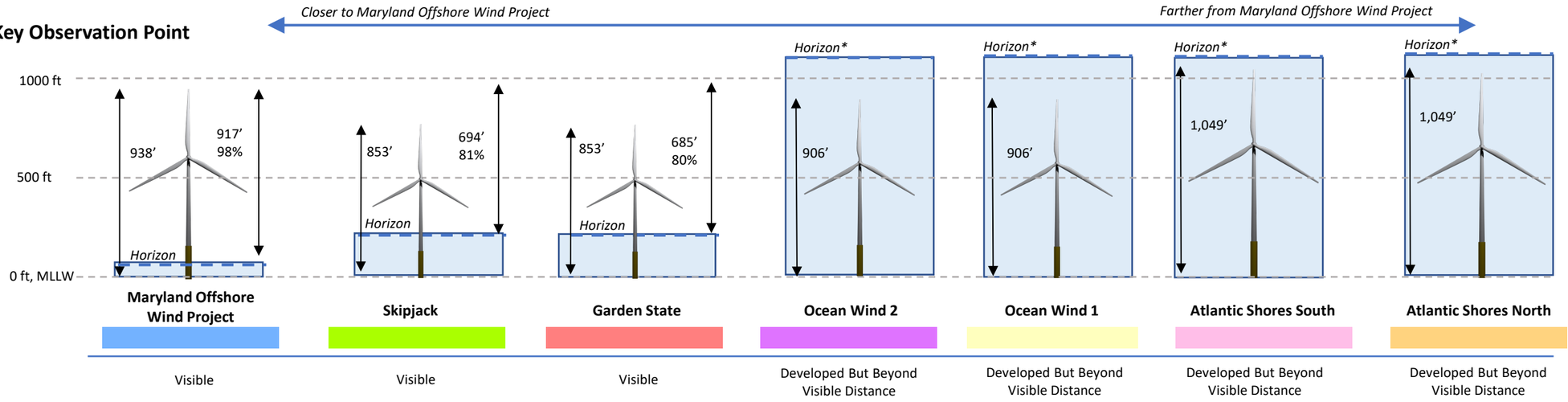
SHEET 1 - SIMULATION CONTEXT AND INTERVISIBILITY ASSESSMENT

TRC

Scenario 3 Visibility of Nearest Turbine to Key Observation Point

Based on findings from the Intervisibility Assessment the following developments are excluded from this visibility matrix due to their distance from the key observation point:

- *Coastal Virginia Offshore Wind (C-Lease) OCS-A 0483*
- *Coastal Virginia Offshore Wind (Research Lease) OCS-A 0497*
- *Atlantic Shores Offshore Wind Bight (NY Bight) OCS-A 0541*
- *Invenergy Wind Offshore (NY Bight) OCS-A 0542*



# Turbines	121	33	80	111	108	201	147
# Turbines Visible	121	33	80	0	0	0	0
# Nacelle FAA Lights Visible	121	33	80	0	0	0	0
# Mid-Tower FAA Lights Visible	120	16	37	0	0	0	0
# Substations**	4	0	0	0	3	4	0
# Substations Visible	3	0	0	0	0	0	0
Minimum Distance from KOP to Turbines (mi)	10.8	21.4	21.8	48.5	60.0	72.7	85.2
Maximum Distance from KOP to Turbines (mi)	26.7	29.8	32.9	72.7	72.6	87.1	106.3
Nearest Turbine – Vertical Extent of Turbine Visible (ft)	917	694	685	N/A	N/A	N/A	N/A
Farthest Turbine – Vertical Extent of Turbine Visible (ft)	661	493	398	N/A	N/A	N/A	N/A
Nearest Turbine – Vertical Extent of Turbine Visible (%)	98%	81%	80%	N/A	N/A	N/A	N/A
Farthest Turbine – Vertical Extent of Turbine Visible (%)	70%	58%	47%	N/A	N/A	N/A	N/A
Mid-Tower FAA Light Height (ft)	271	253	253	263	263	304	304
Hub Height (ft)	528	492	492	512	512	590	590
Nacelle Top FAA Light Height (ft)	542	506	506	525	525	608	608
Blade Tip Height (ft)	938	853	853	906	906	1049	1049
Rotor Diameter (ft)	820	722	722	788	788	918.6	918.6

**All turbines for this development are below the horizon.*
***The Maryland Offshore Wind Project will either use two large OSSs only at interior locations within the array or four small OSSs throughout the array. For the purpose of the simulations, the largest OSS that may be used at a particular location has been simulated.*

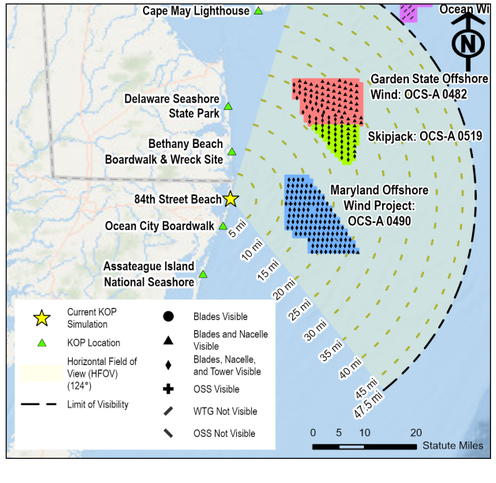
Information on the neighboring offshore development projects is based on the most current information available.

KOP 22 84TH STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 2 - PROJECT DEVELOPMENT AND VISIBILITY SUMMARY

TRC



ENVIRONMENT	
Weather Conditions:	Slight Haze
Temperature:	66° F
Humidity:	79%
Lighting Conditions:	Lit from SE
Visibility:	10 Miles
VIEW AND CAMERA DETAILS	
Ground Elevation (ft msl):	9.1
Camera/Viewing Elevation (ft msl):	5.1
Camera Used for Simulation Photography:	Nikon D850
Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm
Photo Resolution:	1200 DPI
Horizontal Field of View (Panoramas):	124°
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°
Atmospheric Refraction Coefficient (*k*):	0.143

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 16.5” panorama simulation, it should be printed on an 11” x 17” sheet of paper and viewed from 8 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

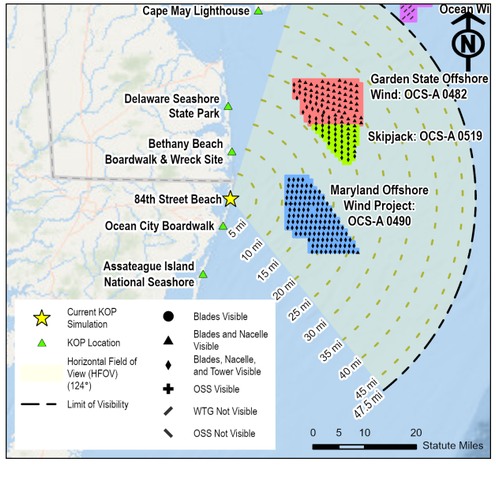
In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 3 - EXISTING CONDITIONS PANORAMA VIEW (124°)

TRC



ENVIRONMENT	
Weather Conditions:	Slight Haze
Temperature:	66° F
Humidity:	79%
Lighting Conditions:	Lit from SE
Visibility:	10 Miles
VIEW AND CAMERA DETAILS	
Ground Elevation (ft msl):	9.1
Camera/Viewing Elevation (ft msl):	5.1
Camera Used for Simulation Photography:	Nikon D850
Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm
Photo Resolution:	1200 DPI
Horizontal Field of View (Panoramas):	124°
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°
Atmospheric Refraction Coefficient (*k*):	0.143

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 16.5” panorama simulation, it should be printed on an 11” x 17” sheet of paper and viewed from 8 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

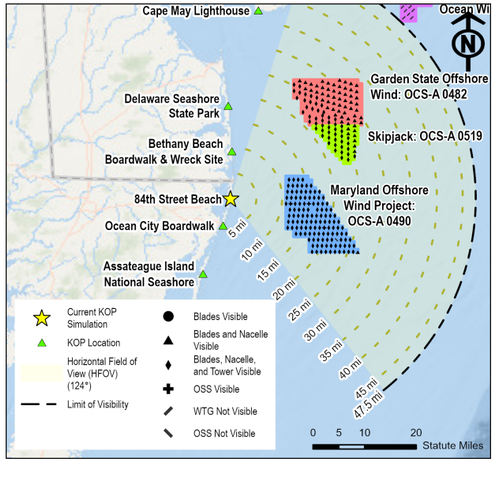
In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 4 - PANORAMA VIEW (124°) WITH SIMULATIONS WITHOUT PROJECT EXTENTS

TRC



ENVIRONMENT	
Weather Conditions:	Slight Haze
Temperature:	66° F
Humidity:	79%
Lighting Conditions:	Lit from SE
Visibility:	10 Miles
VIEW AND CAMERA DETAILS	
Ground Elevation (ft msl):	9.1
Camera/Viewing Elevation (ft msl):	5.1
Camera Used for Simulation Photography:	Nikon D850
Camera Lens Brand, Type, Focal Length:	Nikon Fixed 50 mm
Photo Resolution:	1200 DPI
Horizontal Field of View (Panoramas):	124°
Horizontal Field of View (Single Frame 50 mm Lens):	39.6°
Atmospheric Refraction Coefficient (*k*):	0.143

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 16.5" panorama simulation, it should be printed on an 11" x 17" sheet of paper and viewed from 8 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1" Measured On Screen – View from 20" Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, MARYLAND

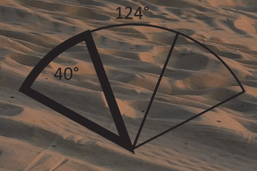
Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 5 - PANORAMA VIEW (124°) WITH SIMULATIONS AND PROJECT EXTENTS

TRC

Garden State Offshore Wind

Skipjack



Graphic shows which specific portion of the human field of view (124°) is visible in this single frame (40°) photo.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7" single-frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1" Measured On Screen – View from 20" Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH, MARYLAND

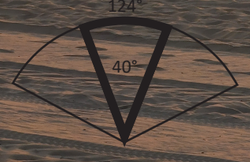
Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 6 - SINGLE FRAME (50-mm LENS) SIMULATION, LEFT VIEW AND PROJECT EXTENTS

TRC

Skipjack

Maryland Offshore Wind Project



Graphic shows which specific portion of the human field of view (124°) is visible in this single frame (40°) photo.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1" Measured On Screen – View from 20" Away

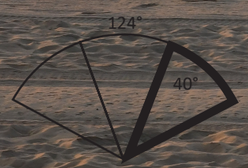
In all cases care must be taken to not over or underrepresent the visual contrasts[1]. Typical binocular human field of view is assumed to be 124 degrees horizontal and 55 degrees vertical. See Sheet 1 for citations.

KOP 22.84TH STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 7 - SINGLE FRAME (50-mm LENS) SIMULATION, RIGHT VIEW AND PROJECT EXTENTS

TRC



Graphic shows which specific portion of the human field of view (124°) is visible in this single frame (40°) photo.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1" Measured On Screen – View from 20" Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124 degrees horizontal and 55 degrees vertical. See Sheet 1 for citations.

KOP 22 84TH STREET BEACH

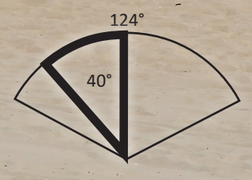
Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 8 – SINGLE FRAME (50-mm LENS) SIMULATION, RIGHT VIEW AND PROJECT EXTENTS

TRC

Skipjack

Maryland Offshore Wind Project



Graphic shows which specific portion of the human field of view (124°) is visible in this single frame (40°) photo.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7” single frame simulation captured with a 50-mm lens it should be printed on an 11” x 17” sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1” Measured On Screen – View from 20” Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84th STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 9 – SUPPLEMENTAL SINGLE FRAME (40°) LEFT VIEW (1:00 PM)

TRC

Maryland Offshore Wind Project

24°

40°

Graphic shows which specific portion of the human field of view (124°) is visible in this single frame (40°) photo.

VIEWING INSTRUCTIONS: To approximate the field of view represented by a 15.7" single frame simulation captured with a 50-mm lens it should be printed on an 11" x 17" sheet of paper and viewed from 22 inches away[1]. For the most realistic experience when viewing in a digital format, position your computer screen 20" away and adjust the PDF viewing software's zoom so that the calibration bar is 1 inch long:

1" Measured On Screen – View from 20" Away

In all cases care must be taken to not over or underrepresent the visual contrasts[2]. Typical binocular human field of view is assumed to be 124-degrees horizontal and 55-degrees vertical. See Sheet 1 for citations.

KOP 22 84th STREET BEACH, MARYLAND

Maryland Offshore Wind Project Cumulative Visual Effects Assessment Simulations
Scenario 3, Project Construction by 2030

SHEET 10 – SUPPLEMENTAL SINGLE FRAME (40°) RIGHT VIEW (1:00 PM)

TRC