



### KOP 31: Westhampton Beach | Season: Winter | Time of Day: Late-Noon

### **Base Photographic Documentation**

Date (MM/DD/YYYY):	2/02/2023
Time (24hr):	14:35
GPS Longitude:	-72.73278686
GPS Latitude:	40.7701585
Viewpoint Elevation (ft):	9.892
Camera Height (ft):	5.41
Camera Heading (°):	190
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 A022
Lens Focal Length:	20mm
Field of View:	65.47° (H) / 46.397° (V)

### **Sun And Weather Information**

Sun Azimuth:	219.31
Sun Elevation:	22.8
Lighting Angle (On Turbines):	Top-Right Lit
Weather Conditions:	Partly Cloudy
Maximum Visibility (NM):	15.47
Temperature (°F):	38
Temperature (°C):	3.33
Humidity (%):	75

### **Viewing Instructions**

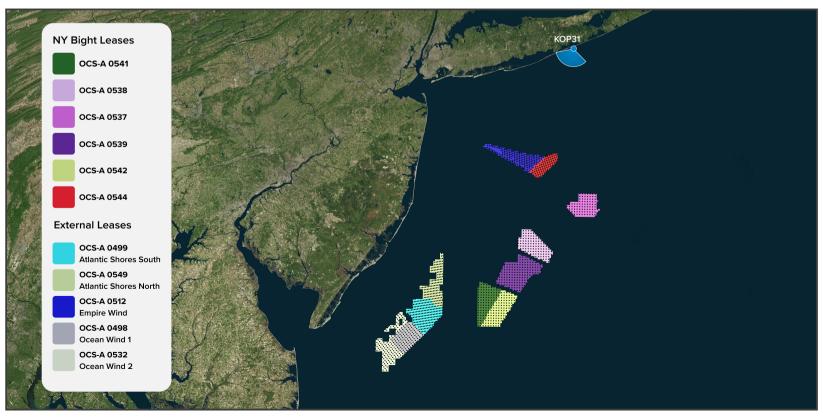
11 x 17 inch Printed Display: On-Screen Display:

Distance is 19.7 inches (500mm) Distance is 19.7 inches (500mm)





**Context Map** 



#### • Key Observation Point (KOP)

• Turbines







#### NY Bight Turbine Information - 1312ft (399.9m)

Lease Area	Distance to	Turbines Visible		
	Nearest Turbine	Blade	Hub	Mid
	in Miles (km)	Tip		Tower
Total	-	110	23	0
OCS-A 0544	33.86 (54.49)	110	23	0
OCS-A 0537	49.32 (79.37)	0	0	0
OCS-A 0538	69.85 (112.42)	0	0	0
OCS-A 0539	82.30 (132.45)	0	0	0
OCS-A 0541	100.32 (161.44)	0	0	0
OCS-A 0542	100.18 (161.23)	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)	563.0 (171.6)		
Percent of Nearest Turbine Hidden (%)	42.9%		
Amount of Nearest Turbine Visible in ft (m)	749.1 (228.3)		
Percent of Nearest Turbine Visible (%)	57.1 %		

#### **NY Bight Turbine Specifications**

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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)	o Turbines Visible		
		Blade Tip	Hub	Mid Tower
Total	-	52	0	0
OCS-A 0544	33.86 (54.49)	52	0	0
OCS-A 0537	49.32 (79.37)	0	0	0
OCS-A 0538	69.85 (112.42)	0	0	0
OCS-A 0539	82.30 (132.45)	0	0	0
OCS-A 0541	100.32 (161.44)	0	0	0
OCS-A 0542	100.18 (161.23)	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

VISIDIE.			
Turbine Visibility	Turbine Visibility & Percentage		
Amount of Nearest Turbine Hidden in ft (m)	563.0 (171.6)		
Percent of Nearest Turbine Hidden (%)	66.0%		
Amount of Nearest Turbine Visible in ft (m)	290.1 (88.4)		
Percent of Nearest Turbine Visible (%)	34%		

#### **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

Lease Area	Distance to	Tur	bines Vis	ible
	Nearest Turbine	Blade	Hub	Mid
	in Miles (km)	Tip		Tower
Total	-	43	0	N/A
OCS-A 0499	N/A	0	0	N/A
OCS-A 0549	N/A	0	0	N/A
OCS-A 0512	N/A	43	0	N/A
OCS-A 0498	N/A	0	0	N/A
OCS-A 0532	N/A	0	0	N/A

1312ft (399.9m)				853ft (260m)	)
Blade Tip	Tip Hub Mid Tower Blade Tip Hub			Mid Tower	
153	23	0	95	0	0

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

	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)

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#### **External Turbine Information**

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

#### **External Turbine Specifications**



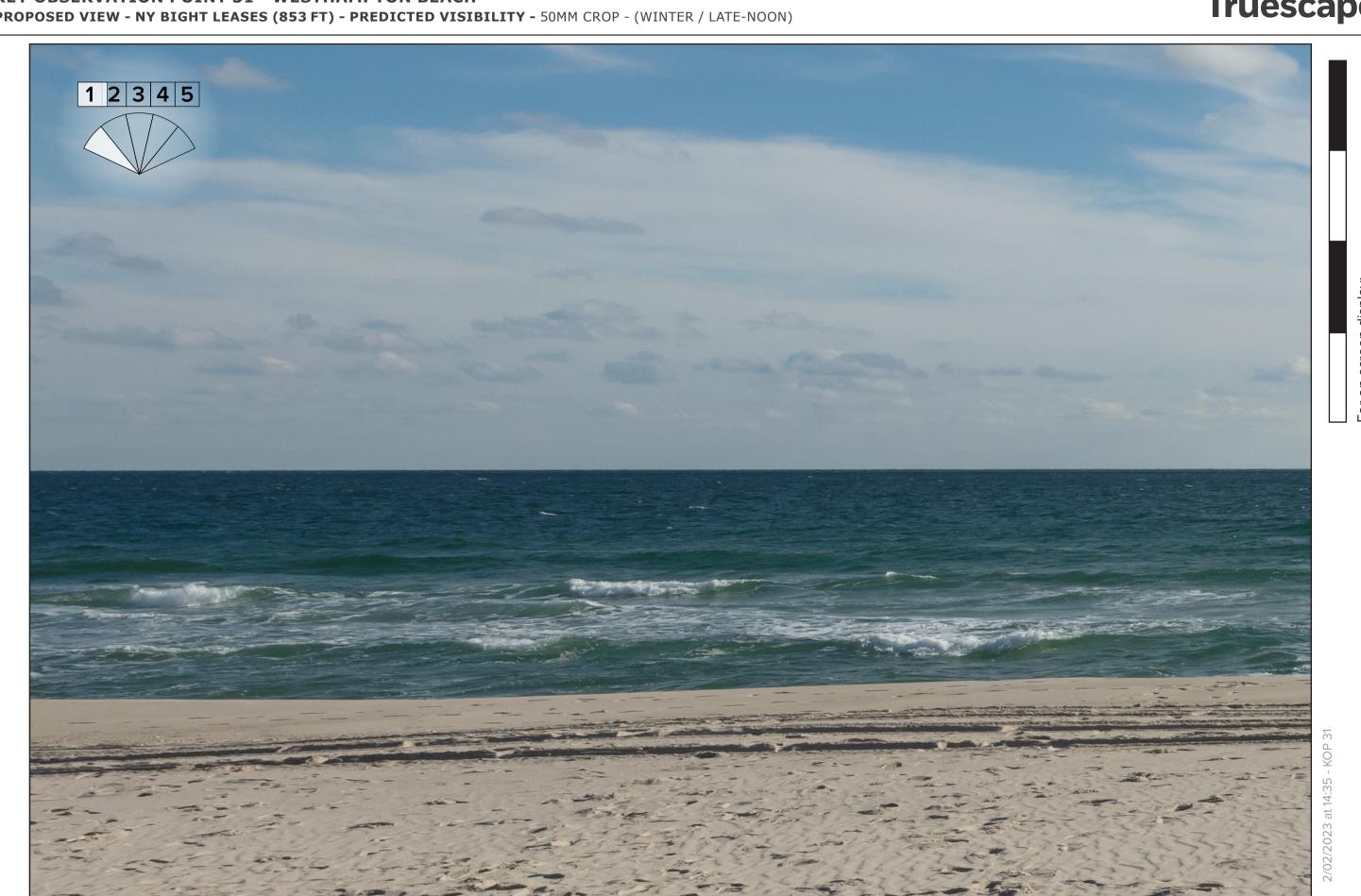
KOP 31, Westhampton Beach, Late-Noon, Heading 190° **- Existing View** 



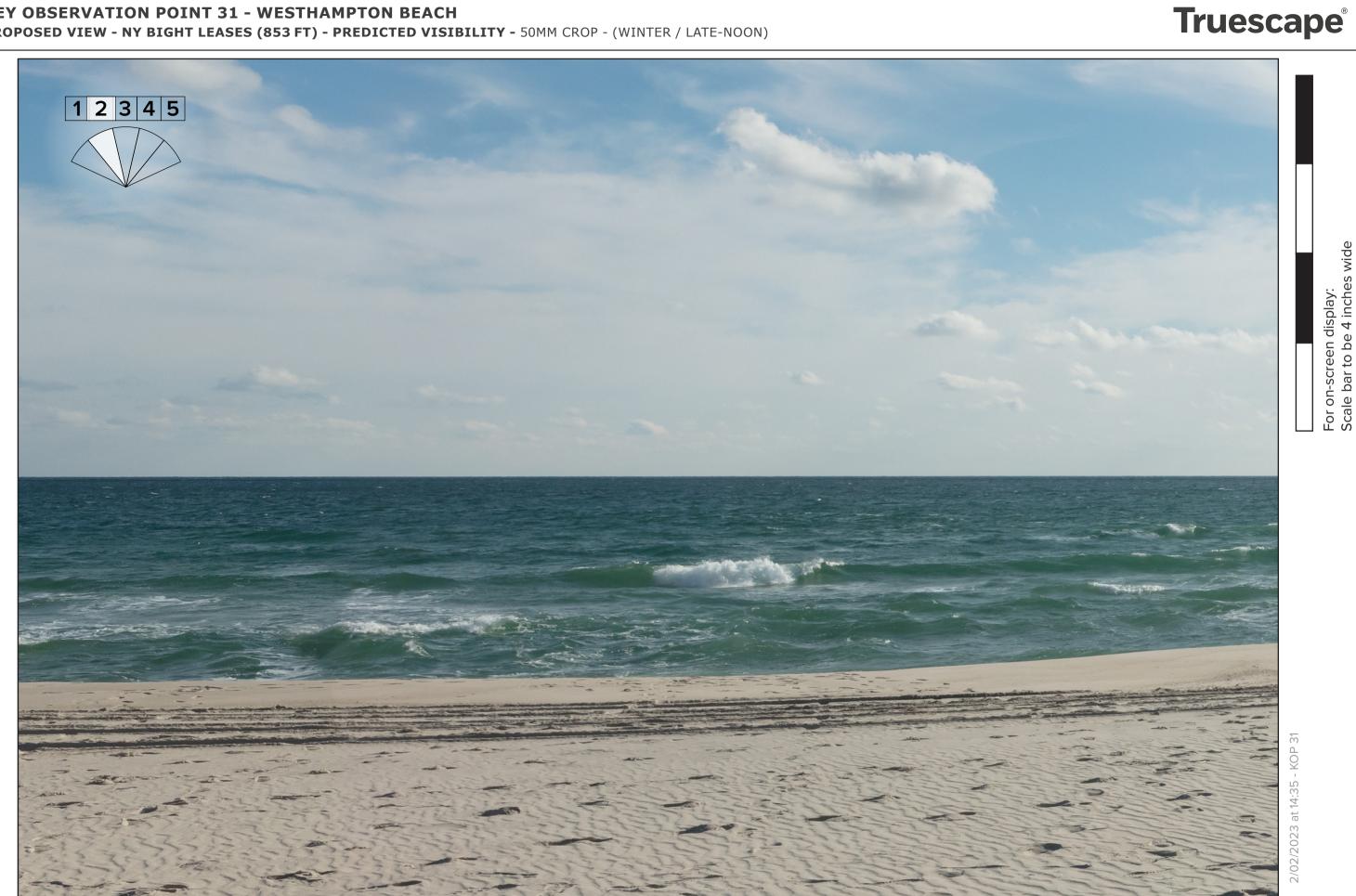
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (853ft) - Predicted Visibility



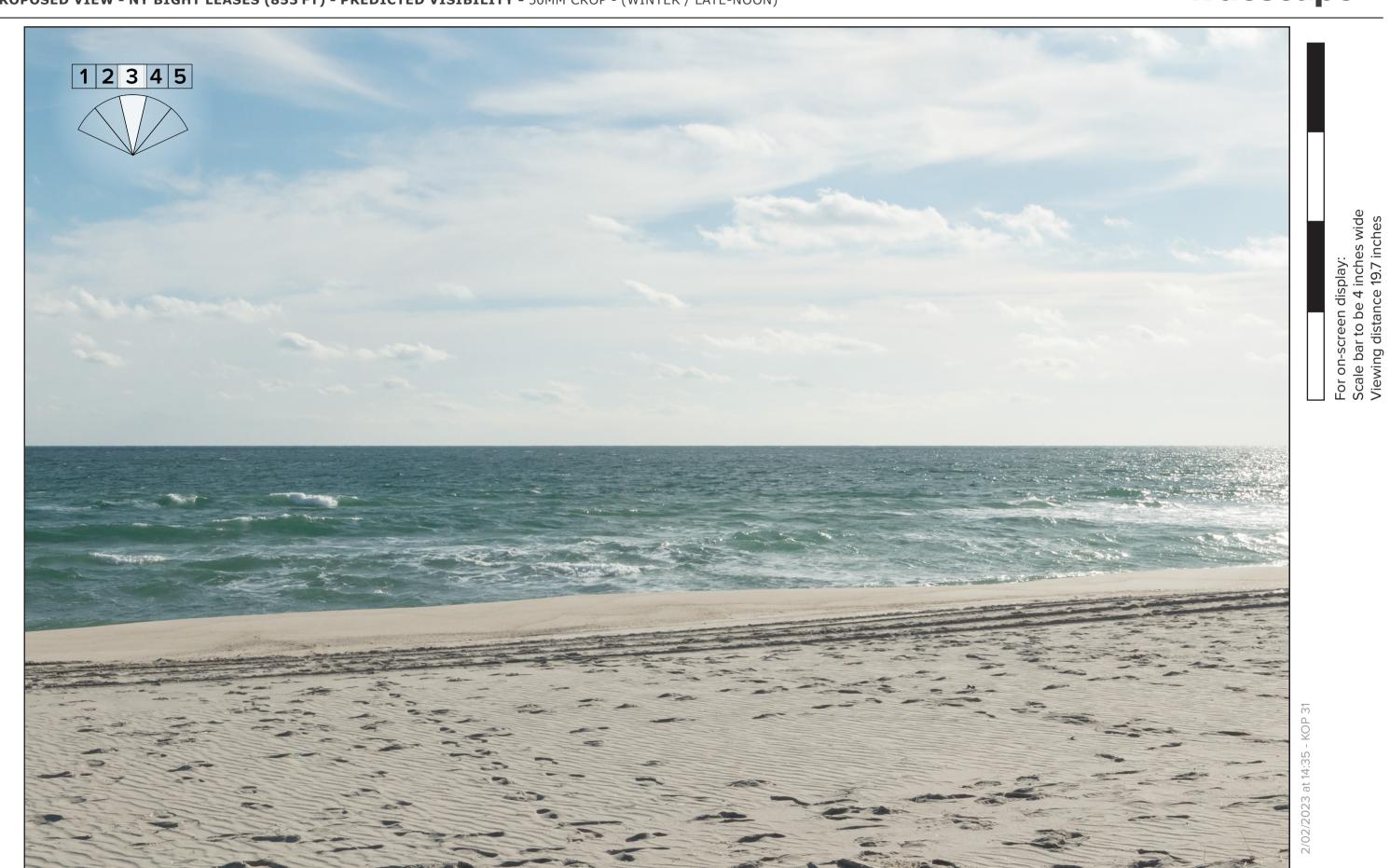
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (853ft) - Predicted Visibility

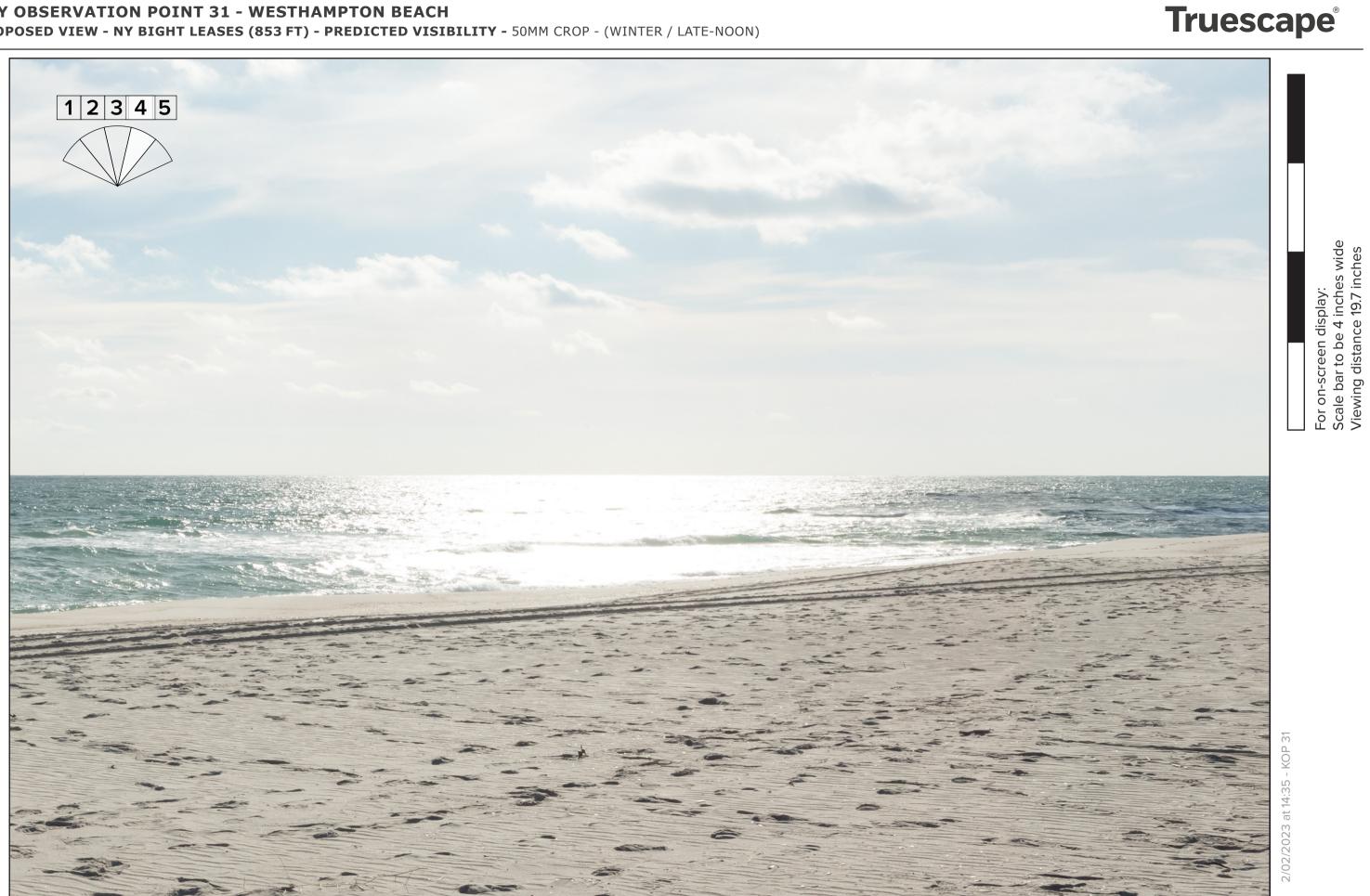


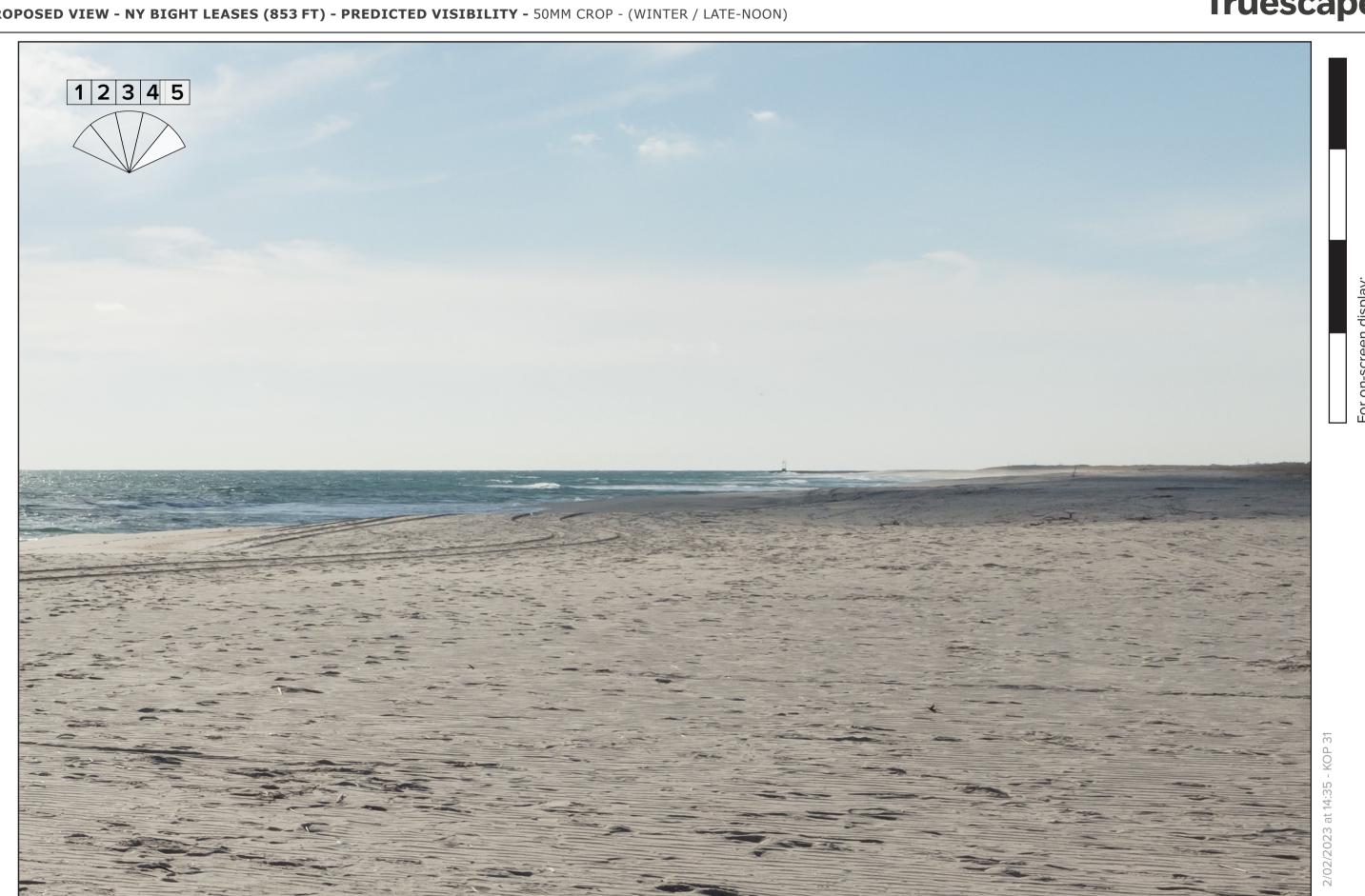
For on-screen display: Scale bar to be 4 inches wide Viewing distance 19.7 inches



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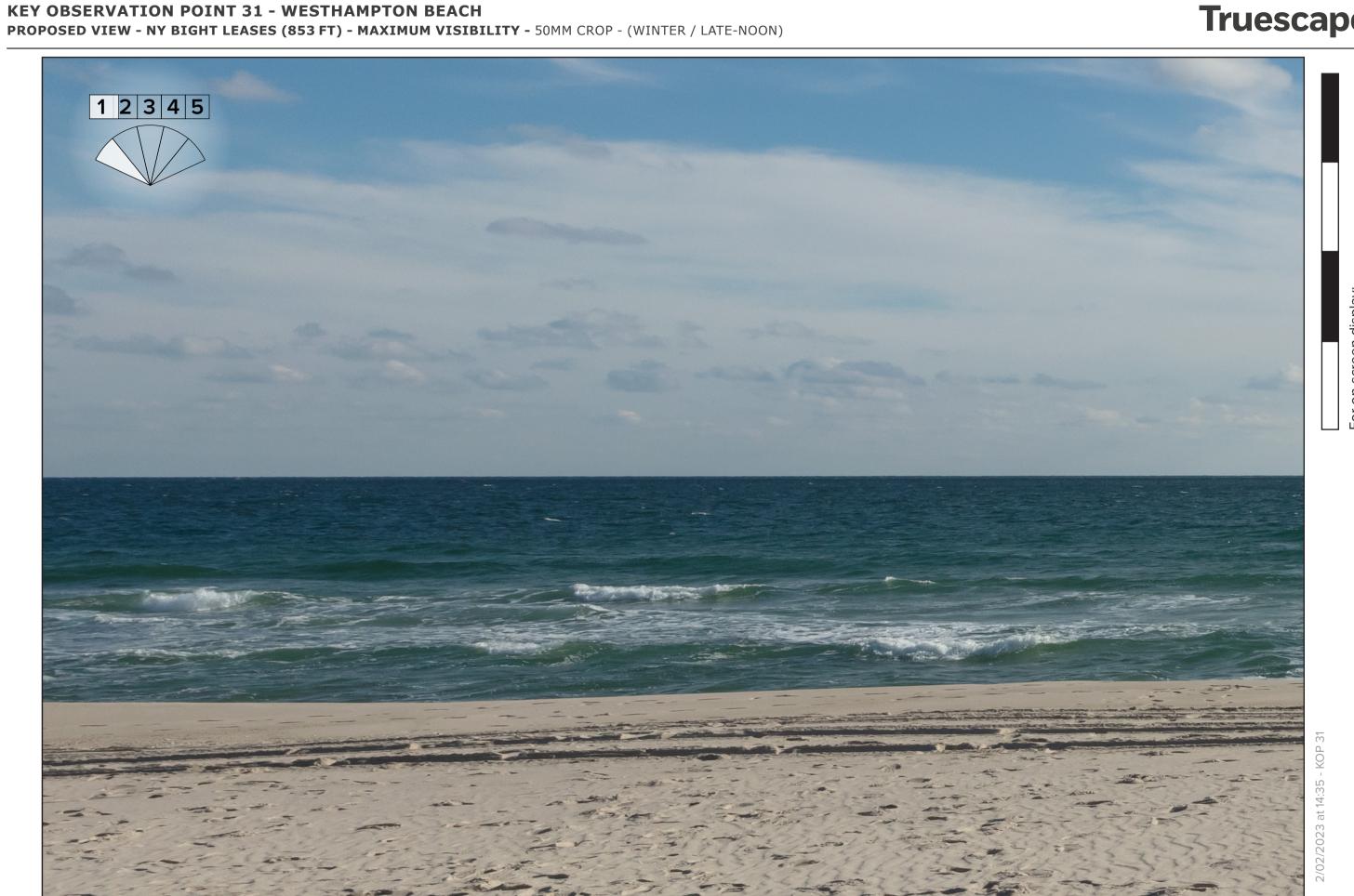
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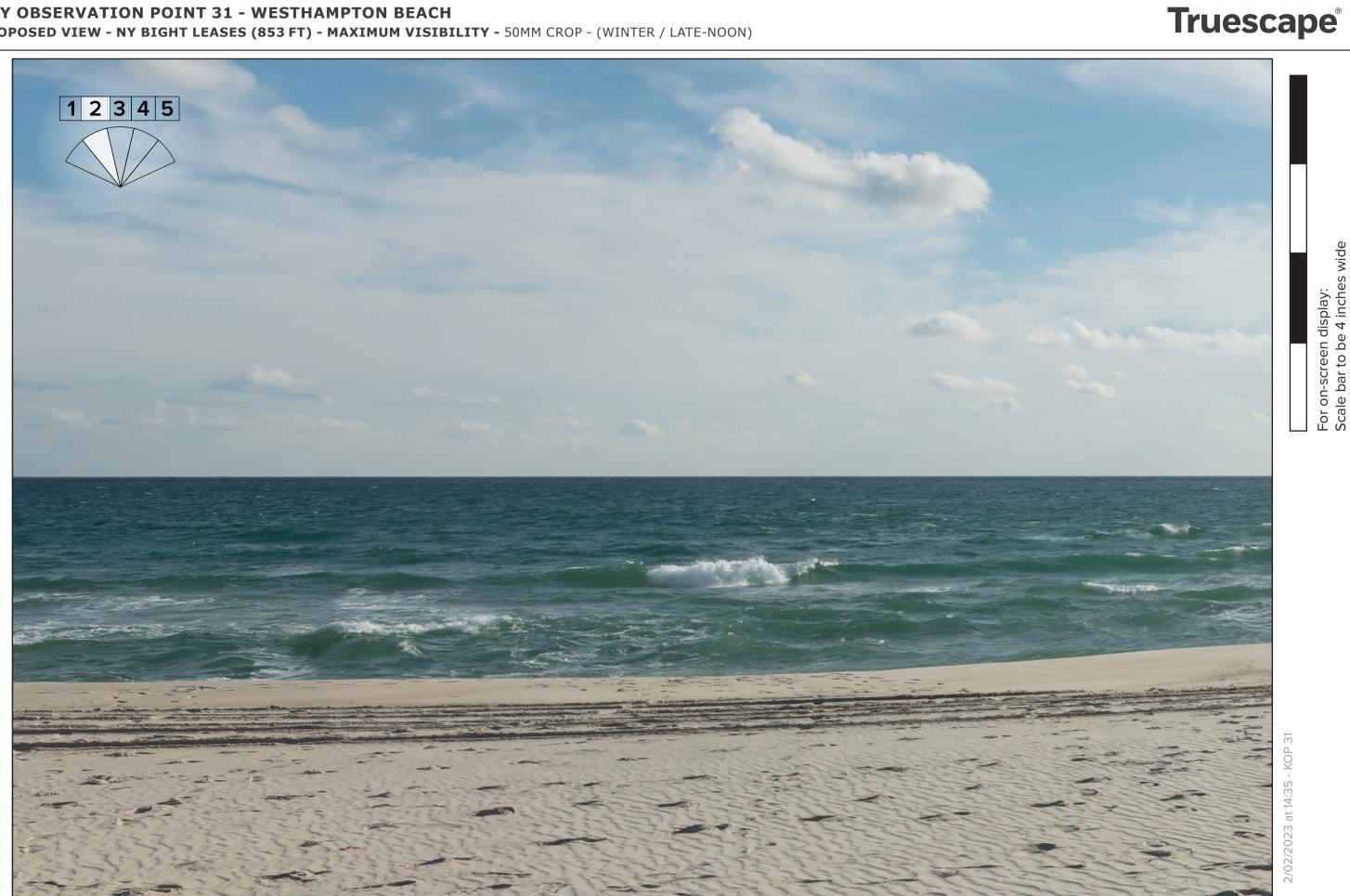


KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (853ft) - Maximum Visibility

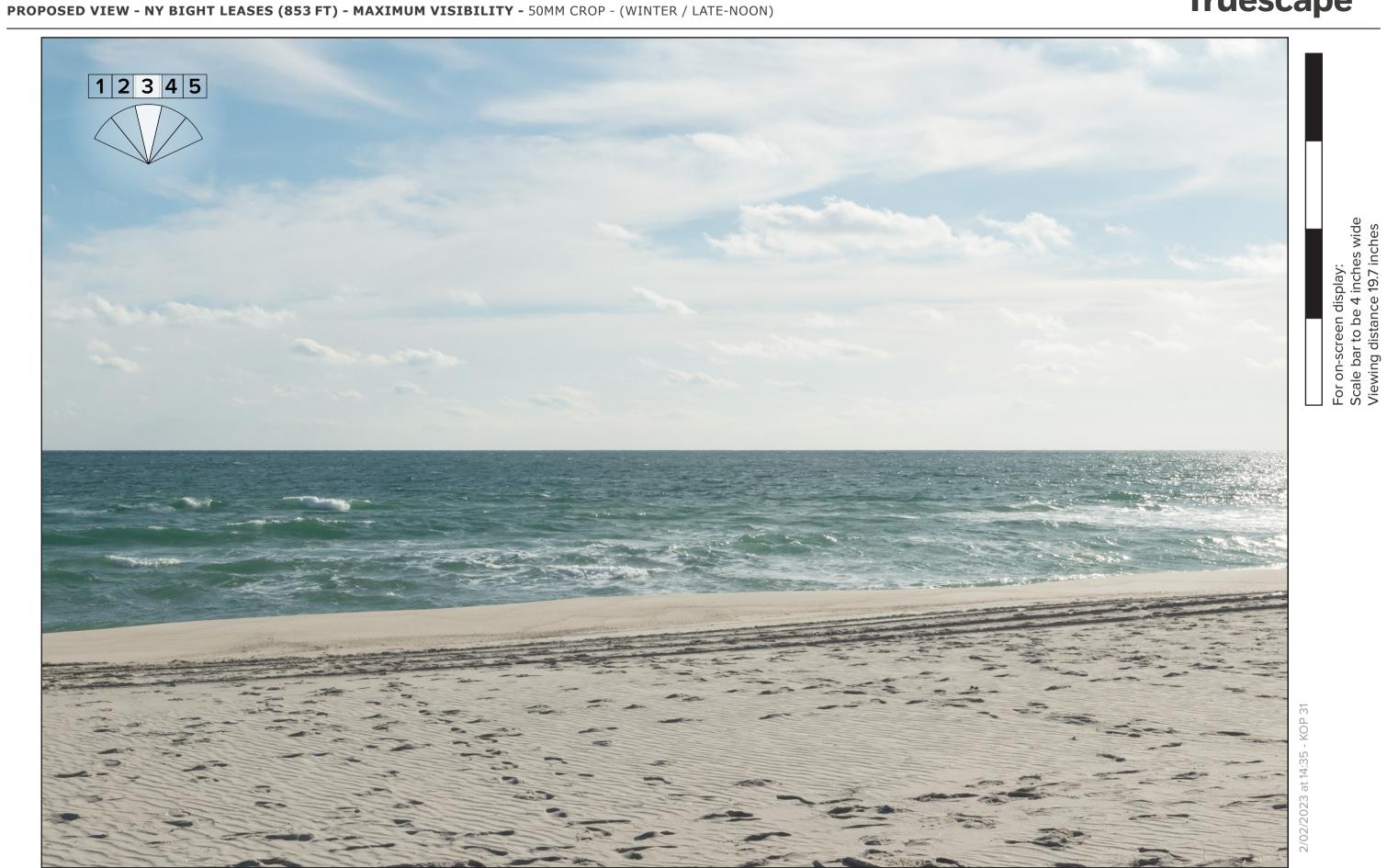


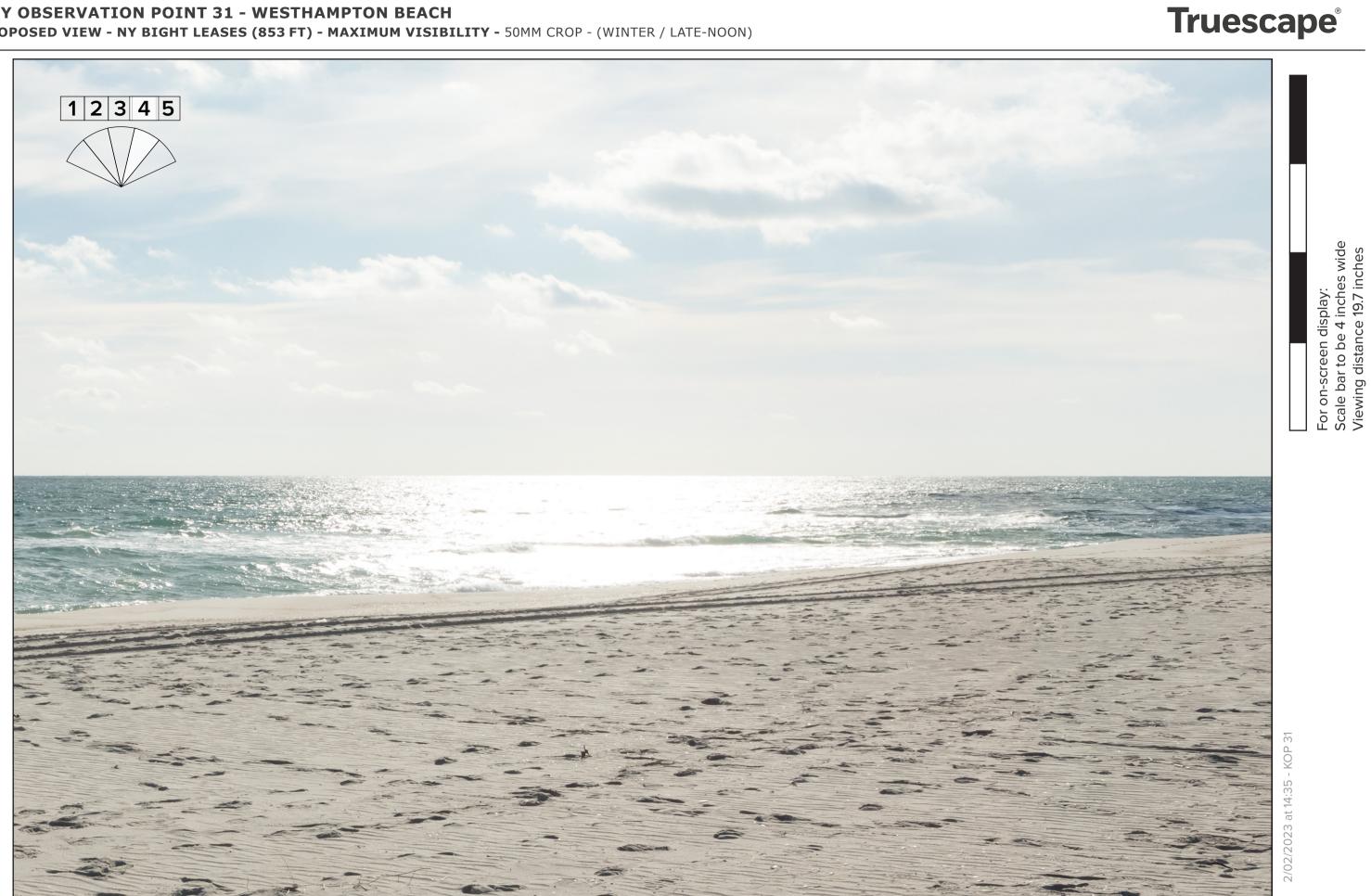
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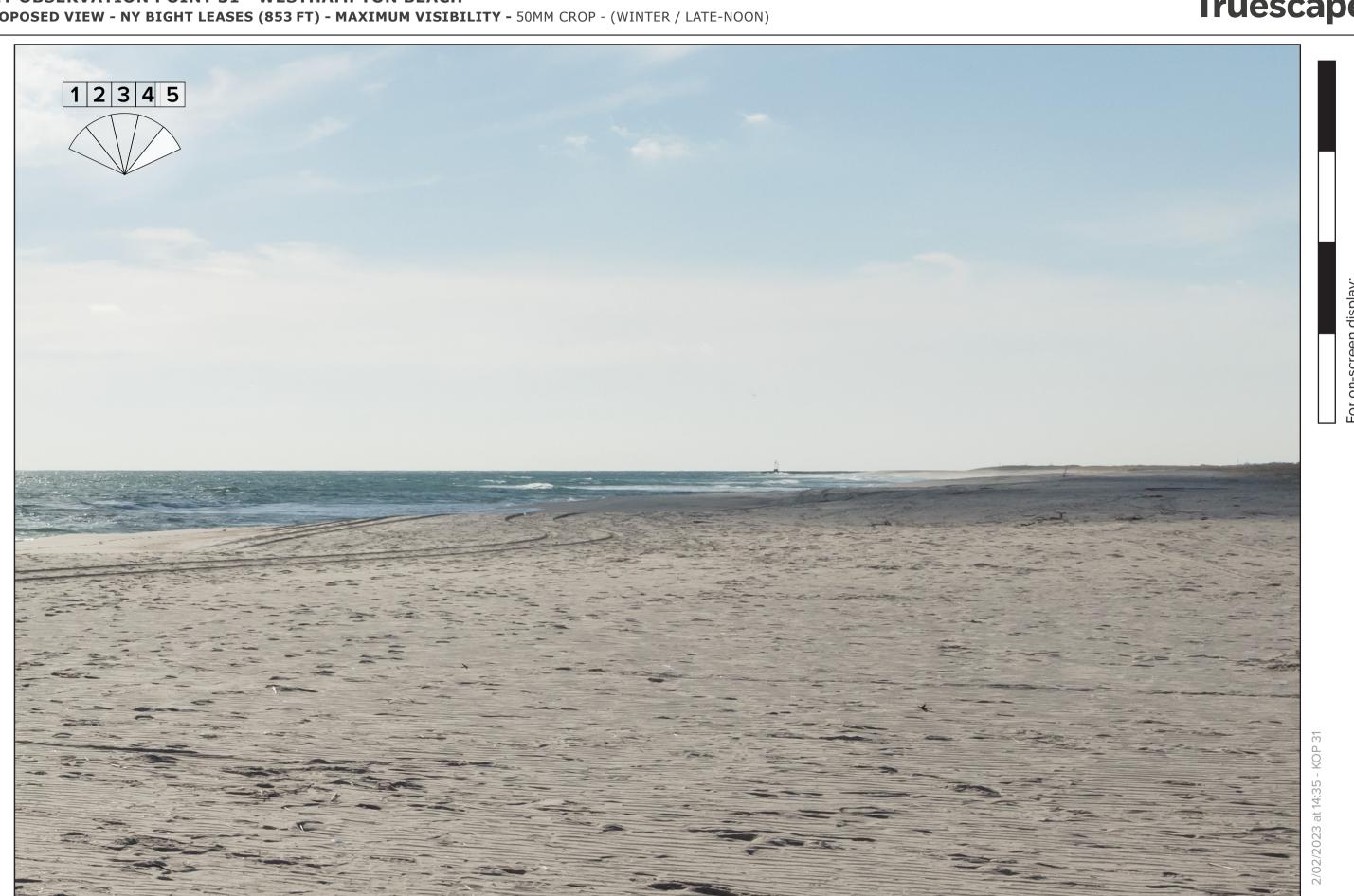




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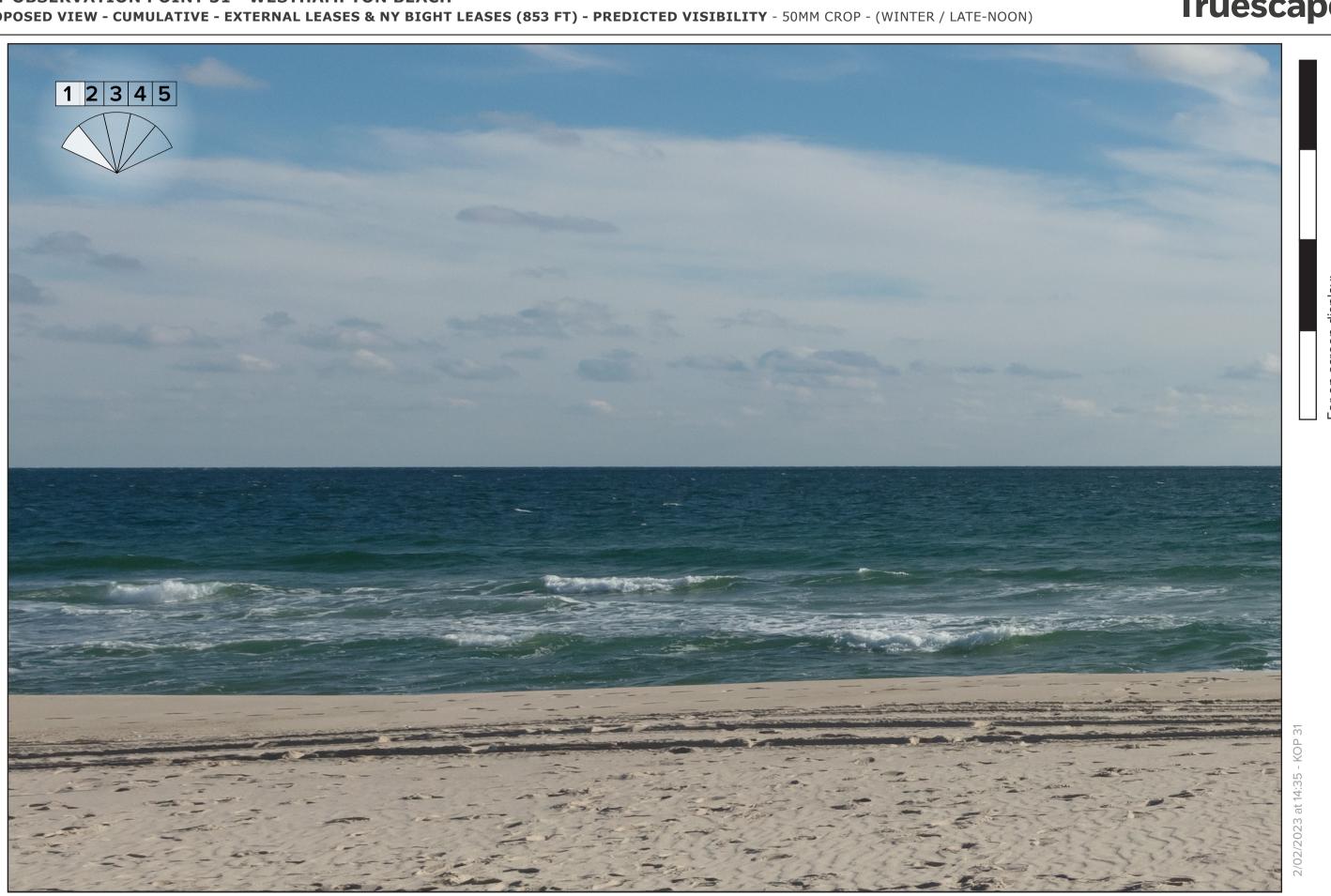


KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Predicted Visibility



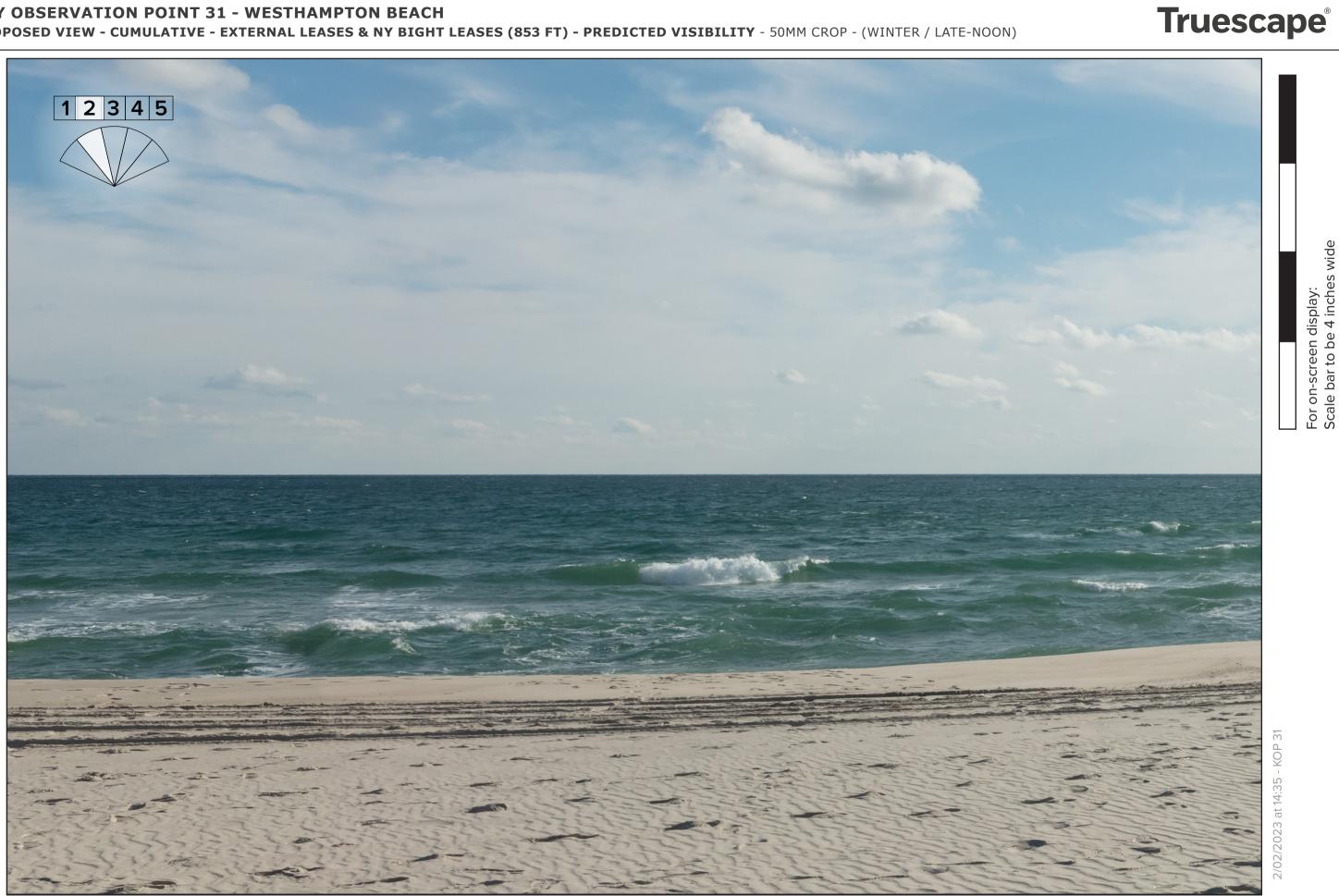
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Predicted Visibility

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



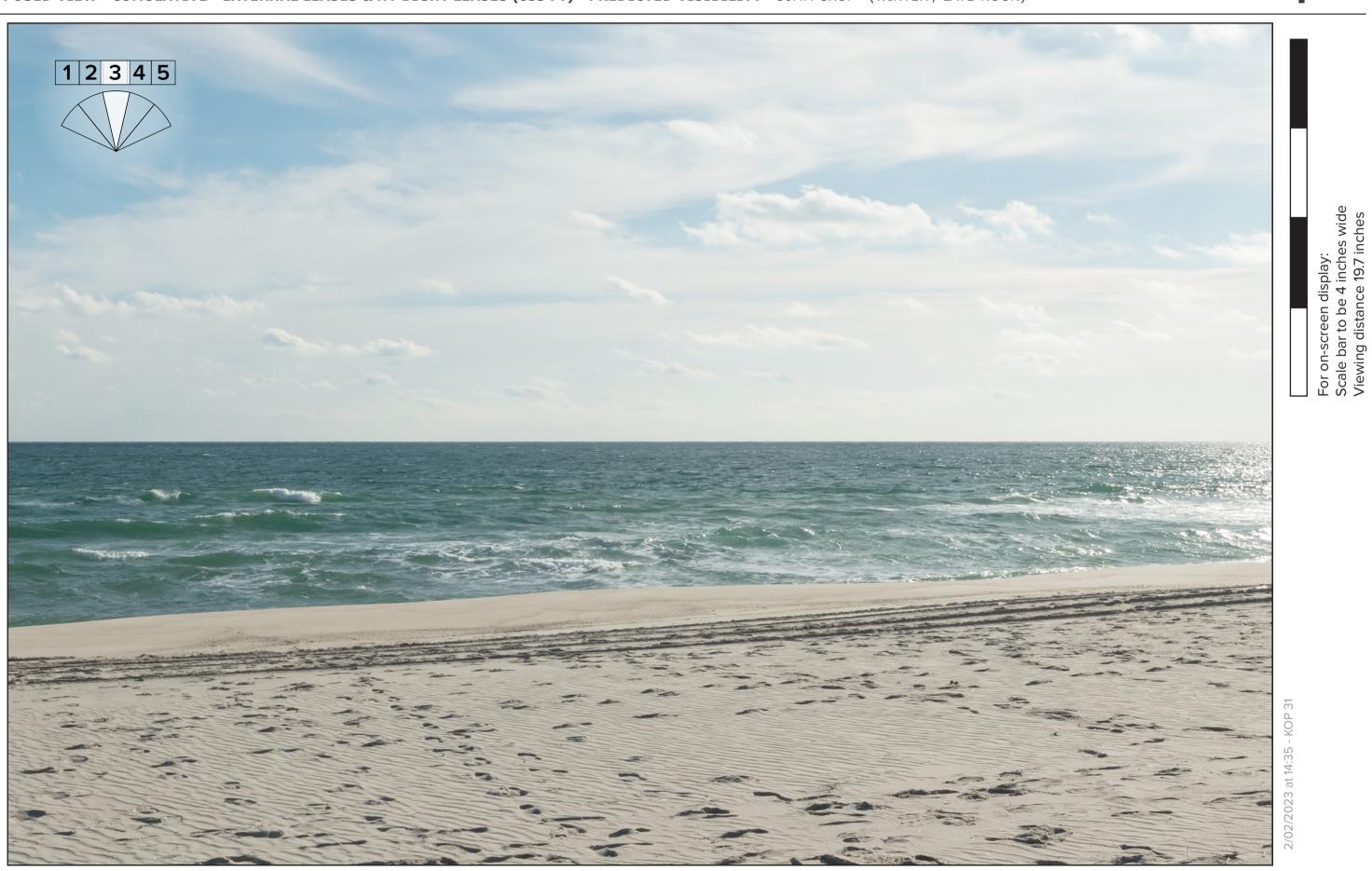
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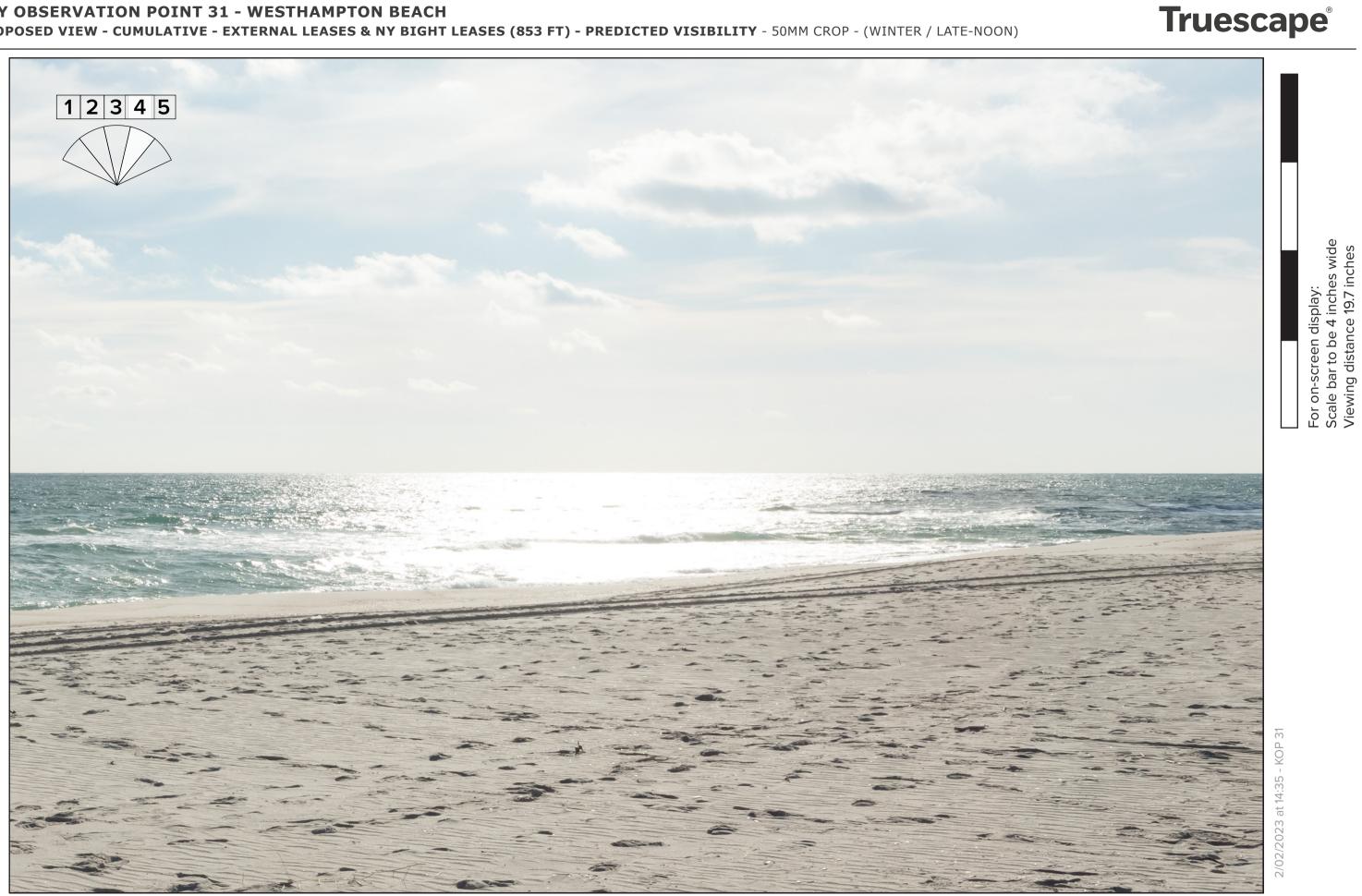


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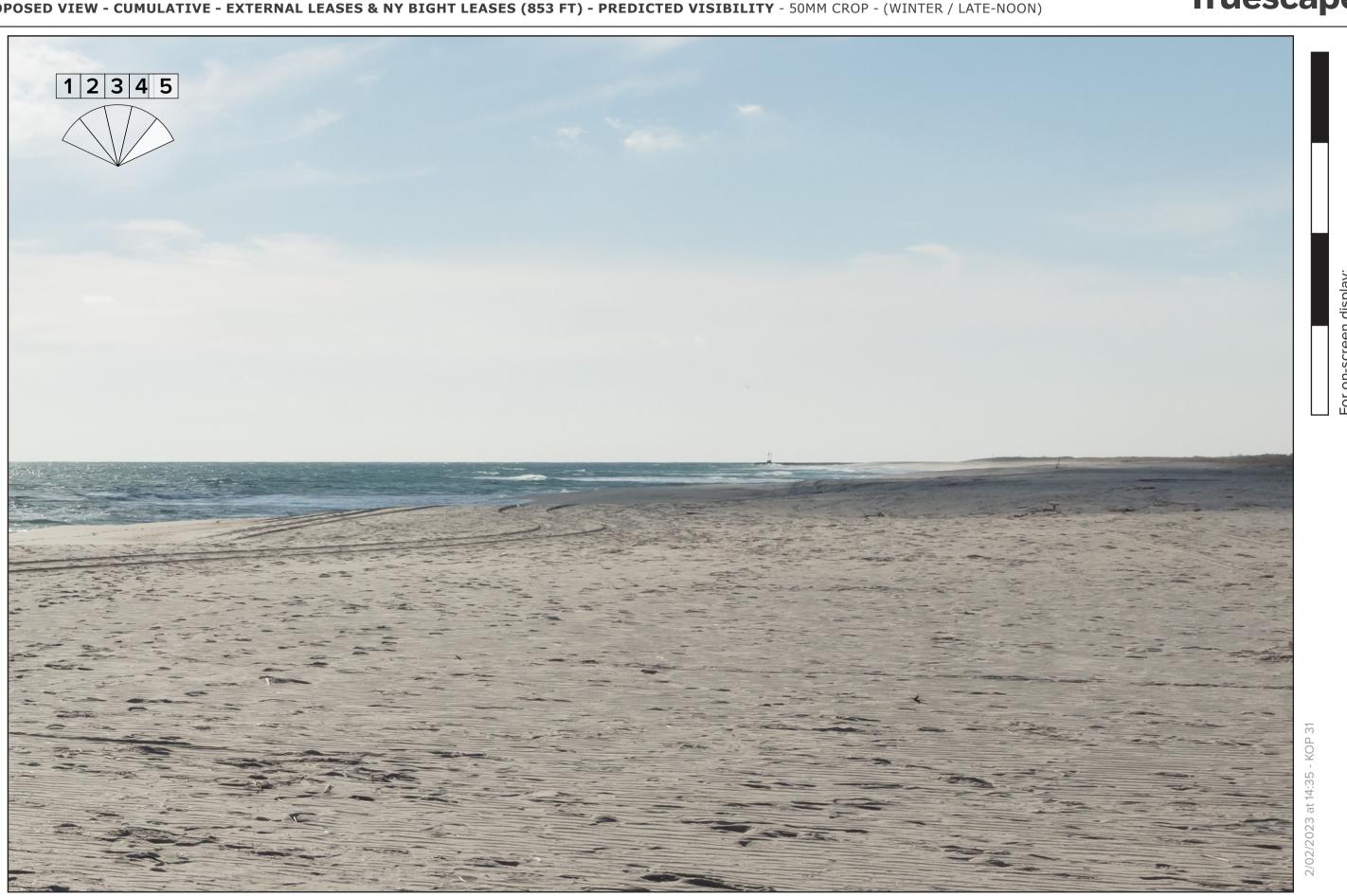
PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



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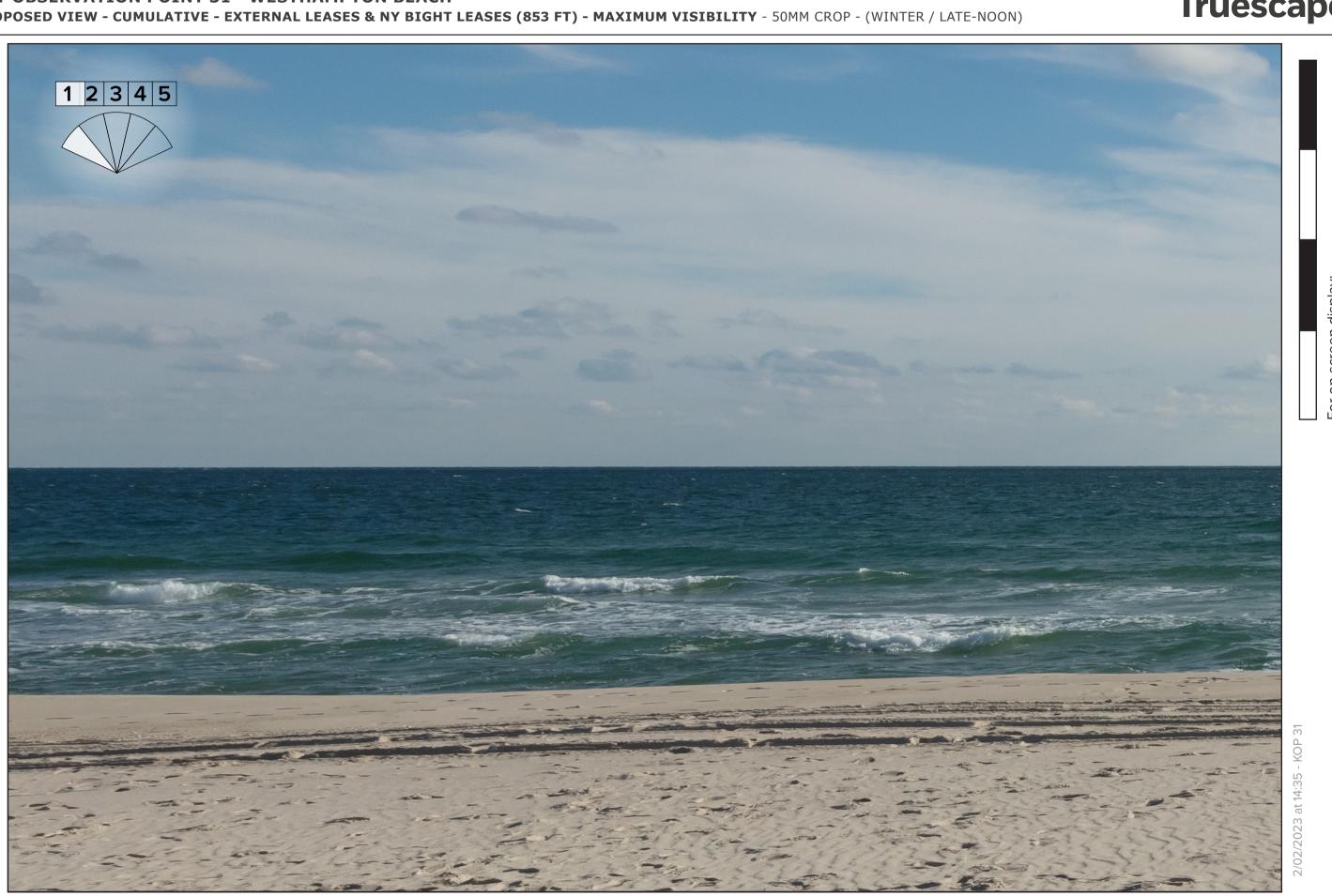


KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility



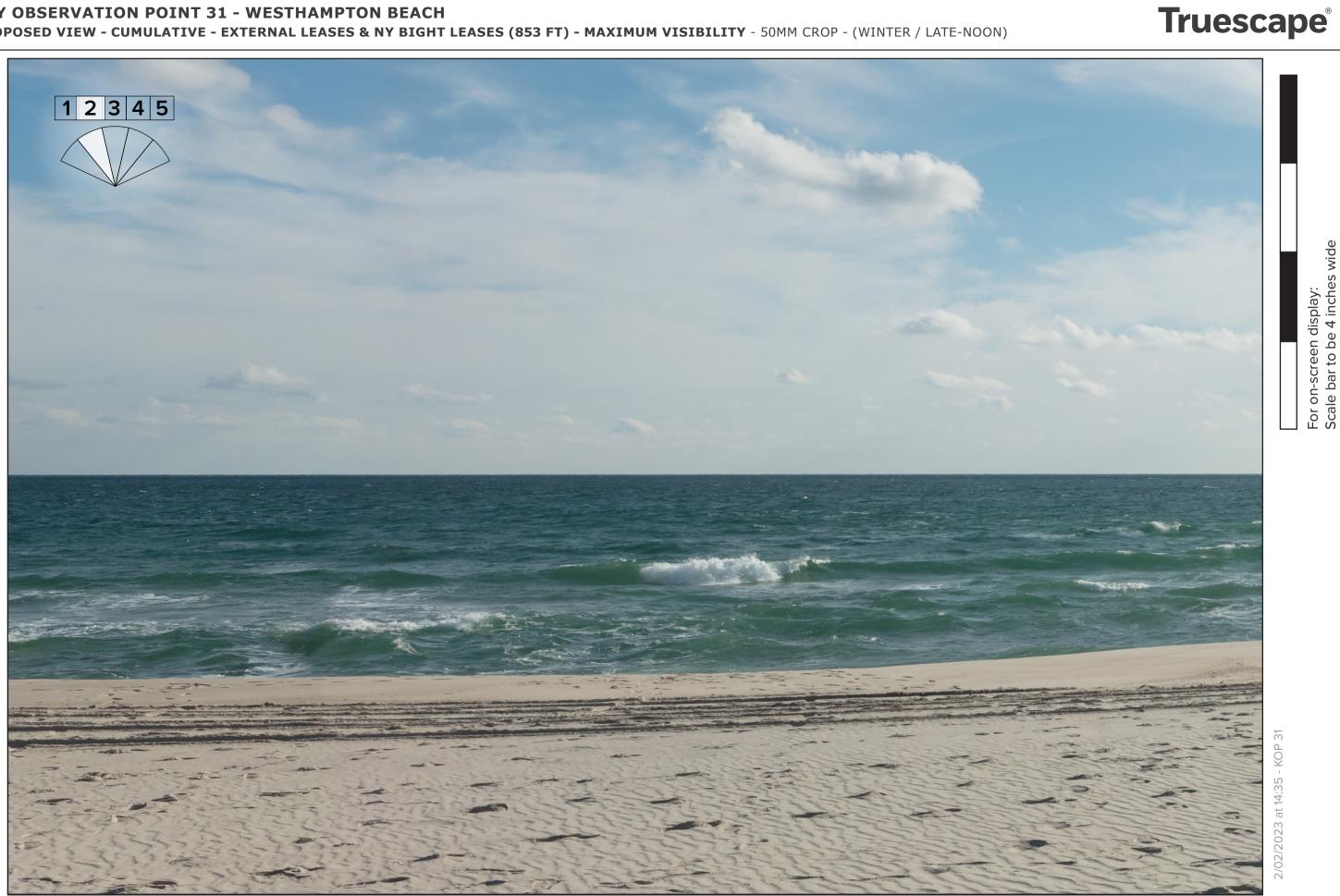
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (853ft) - Maximum Visibility

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



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PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (853 FT) - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)

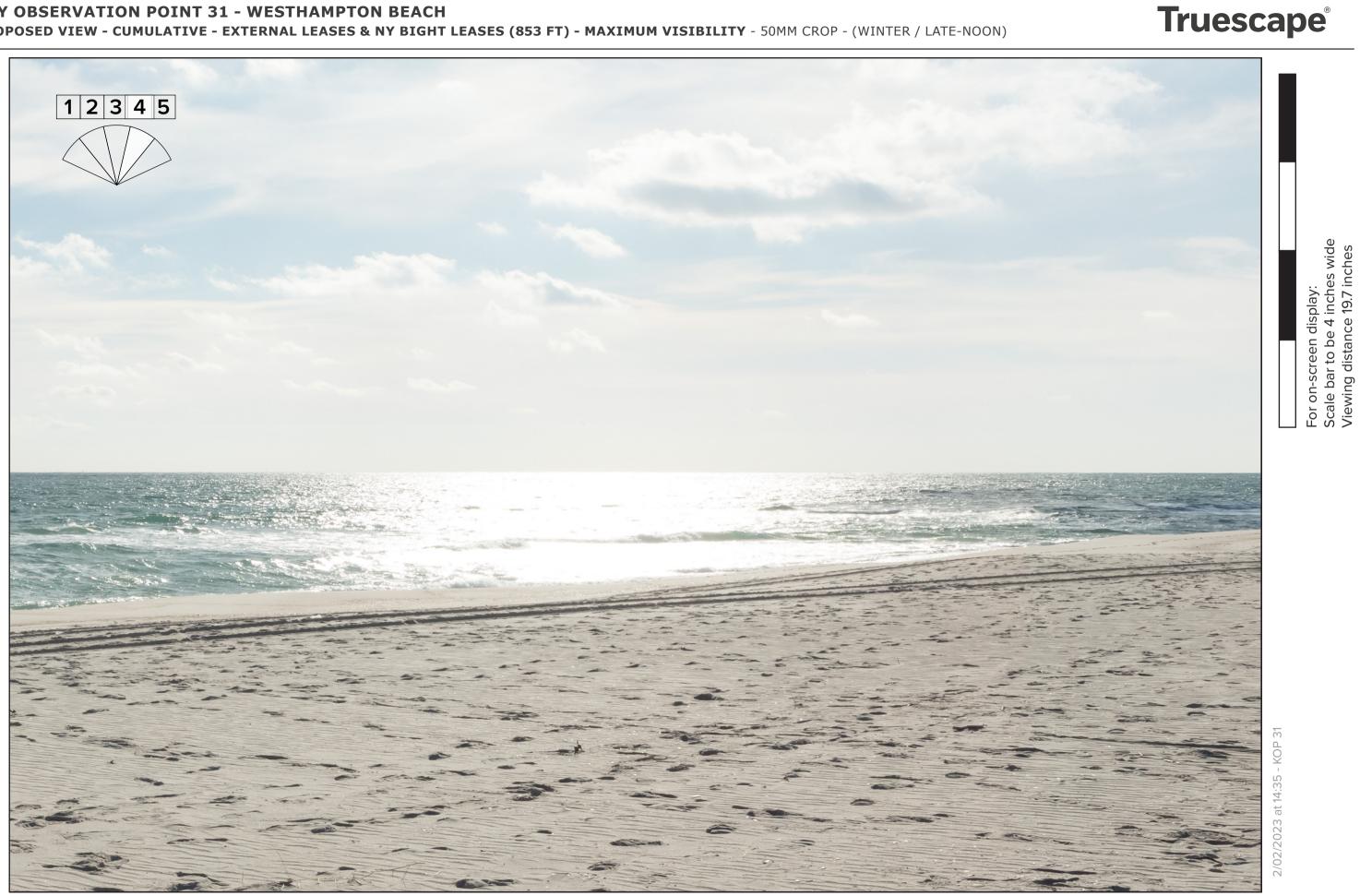


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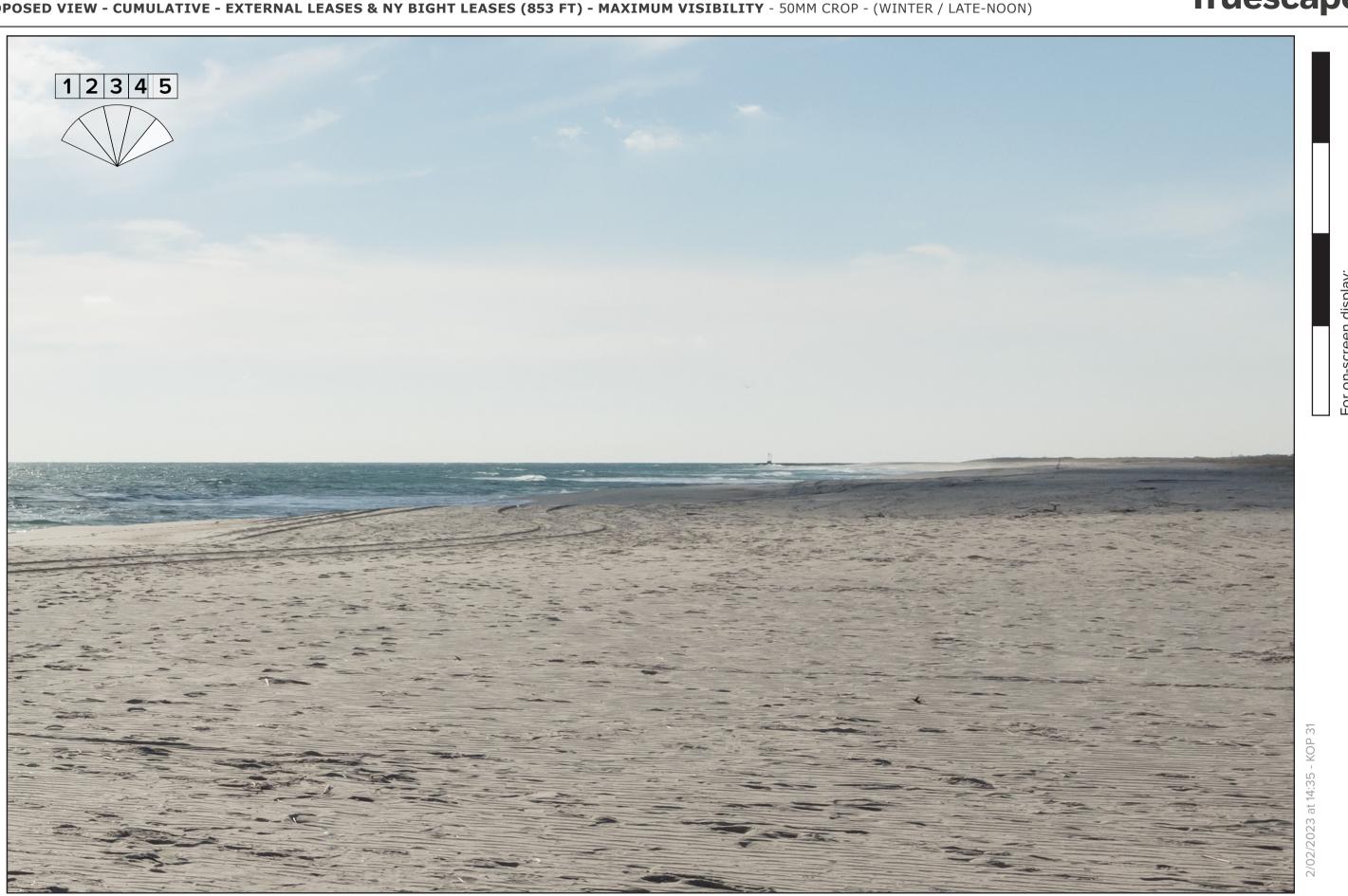
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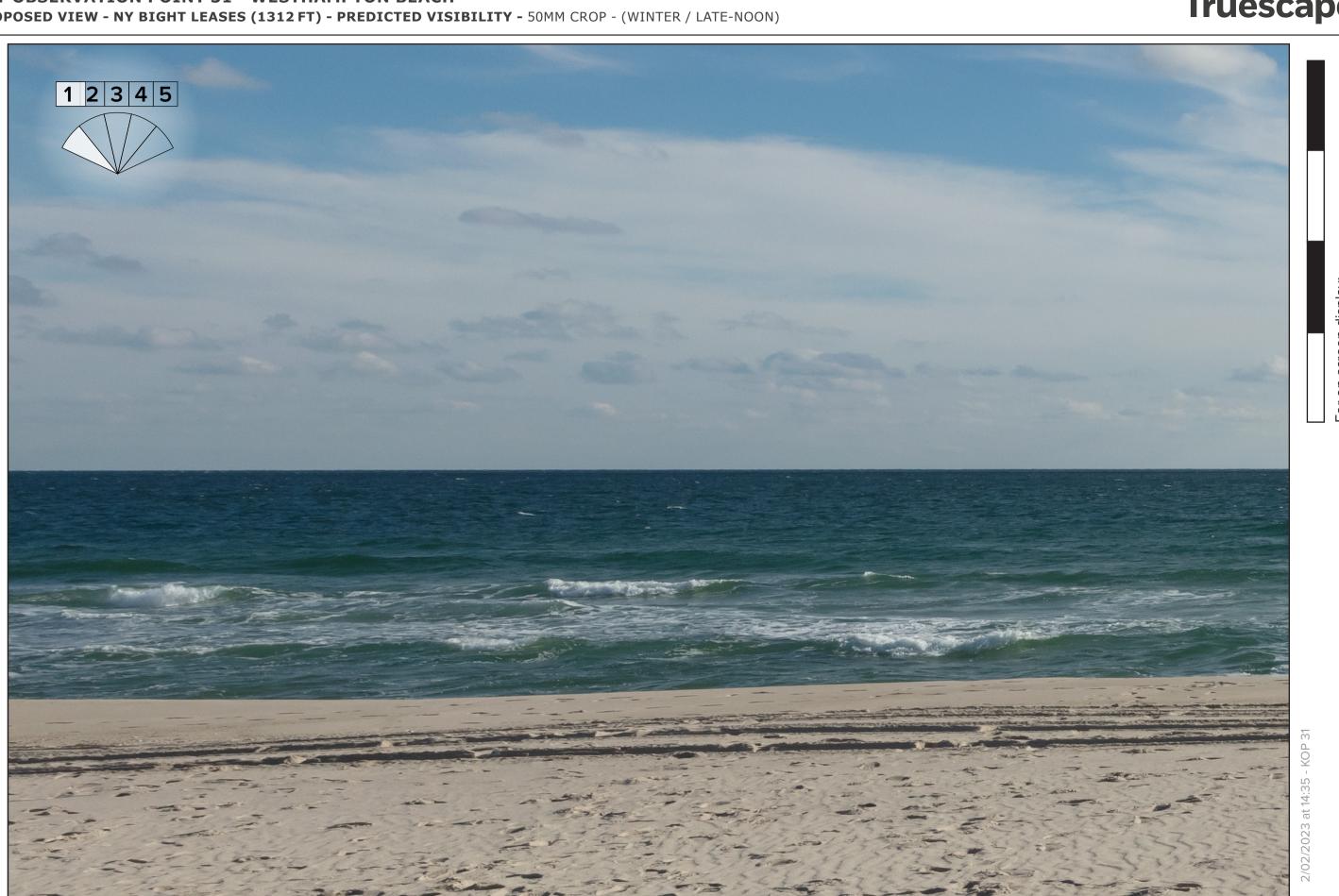
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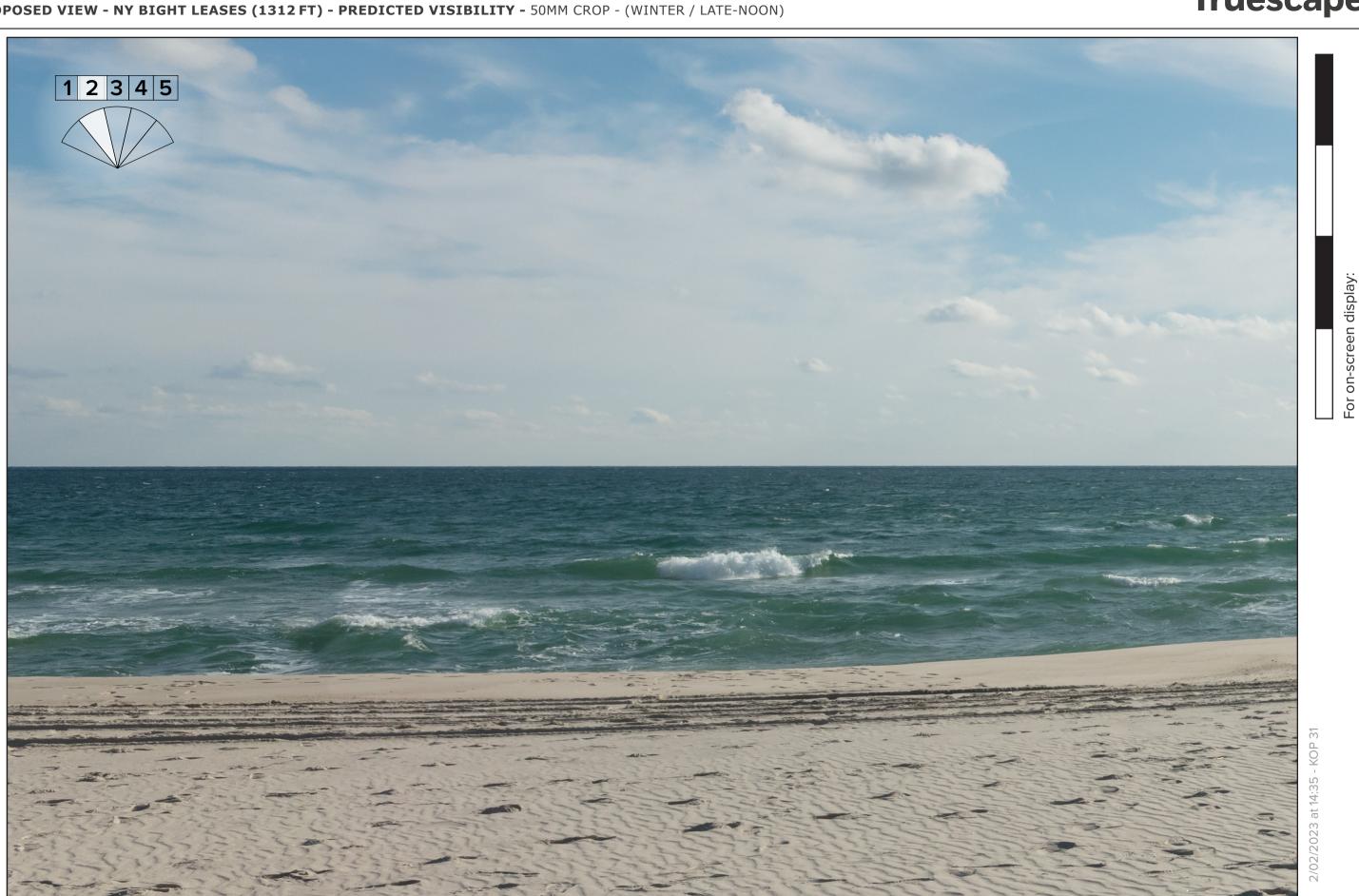
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (1312ft) - Predicted Visibility



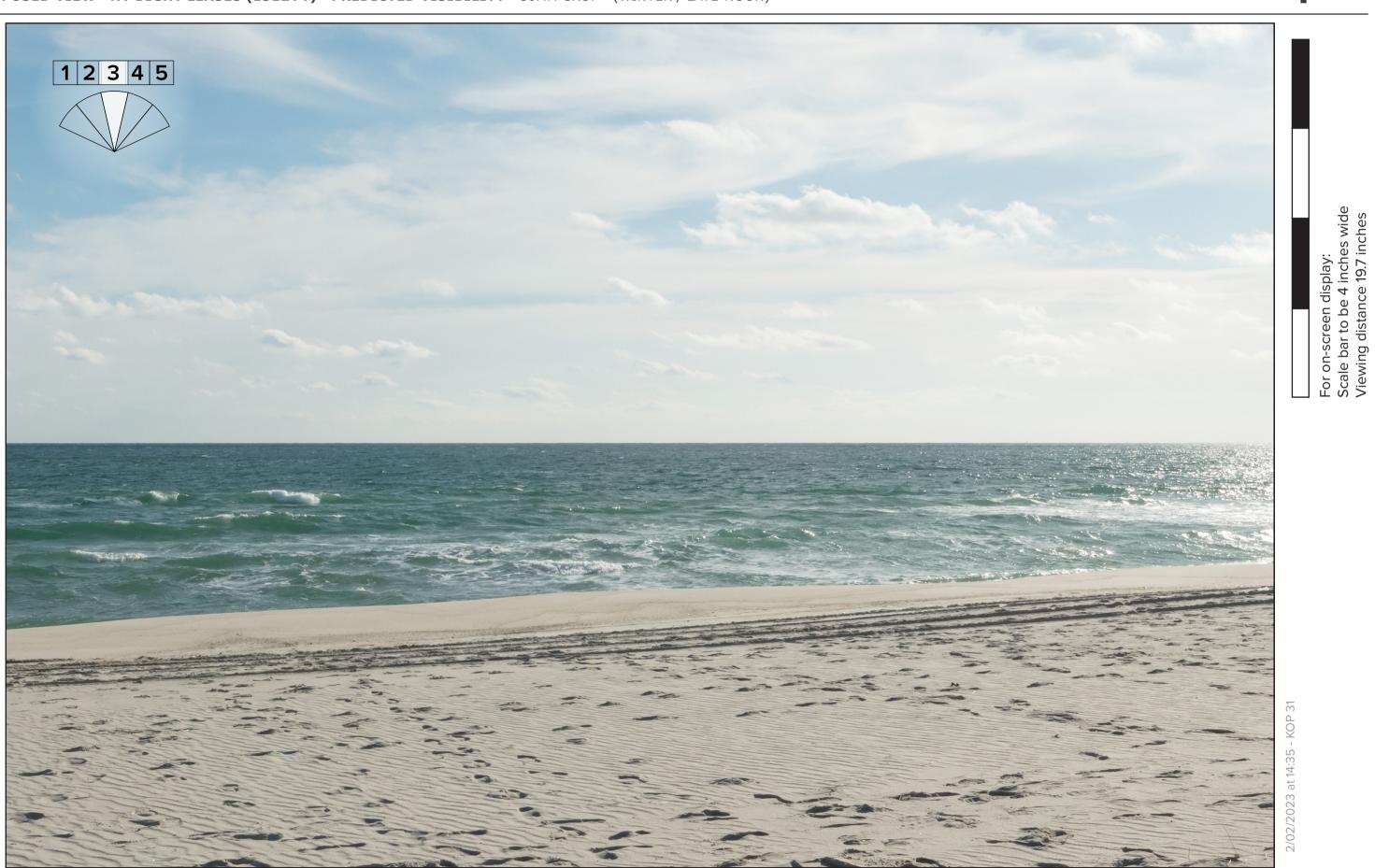
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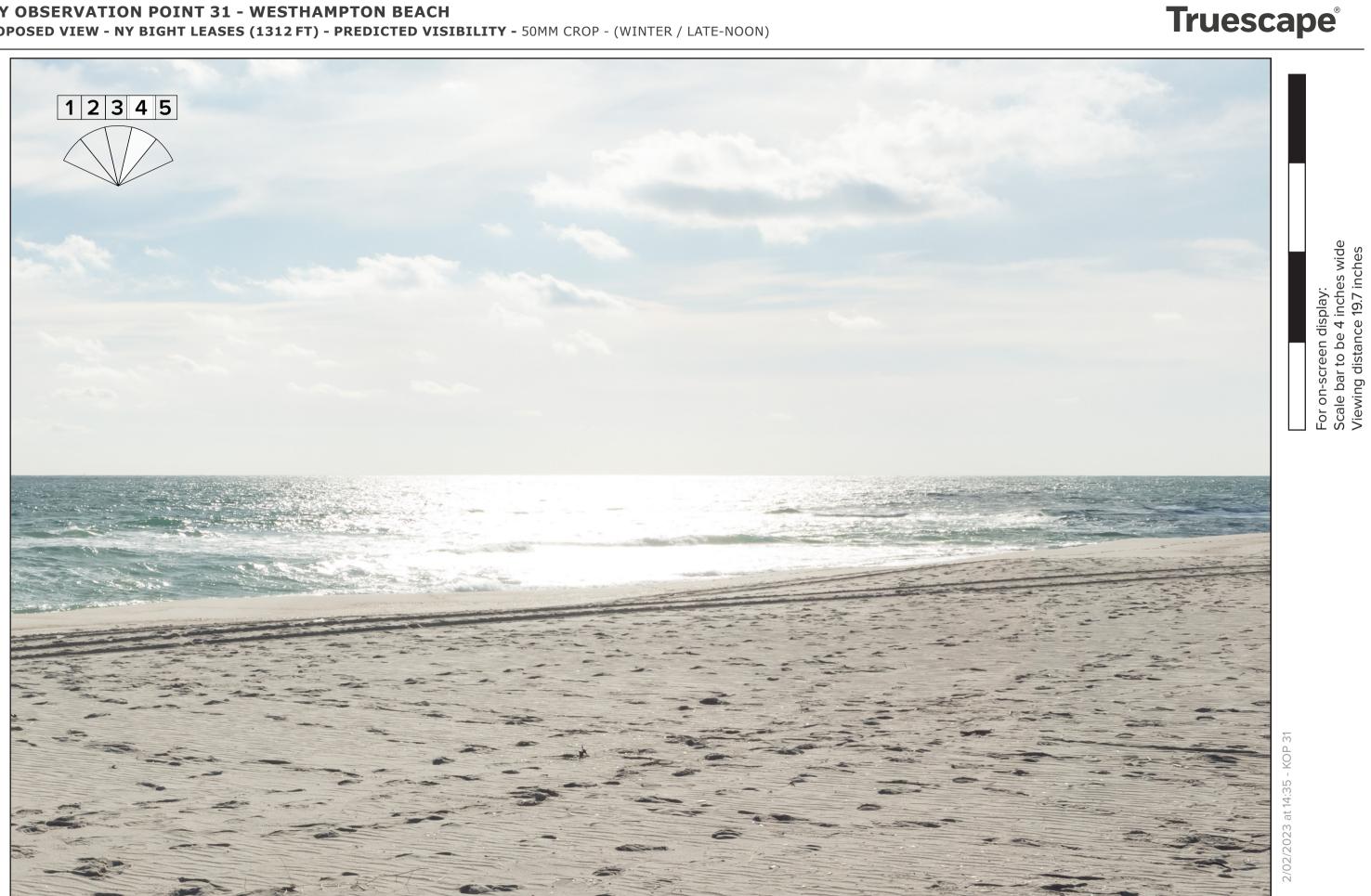


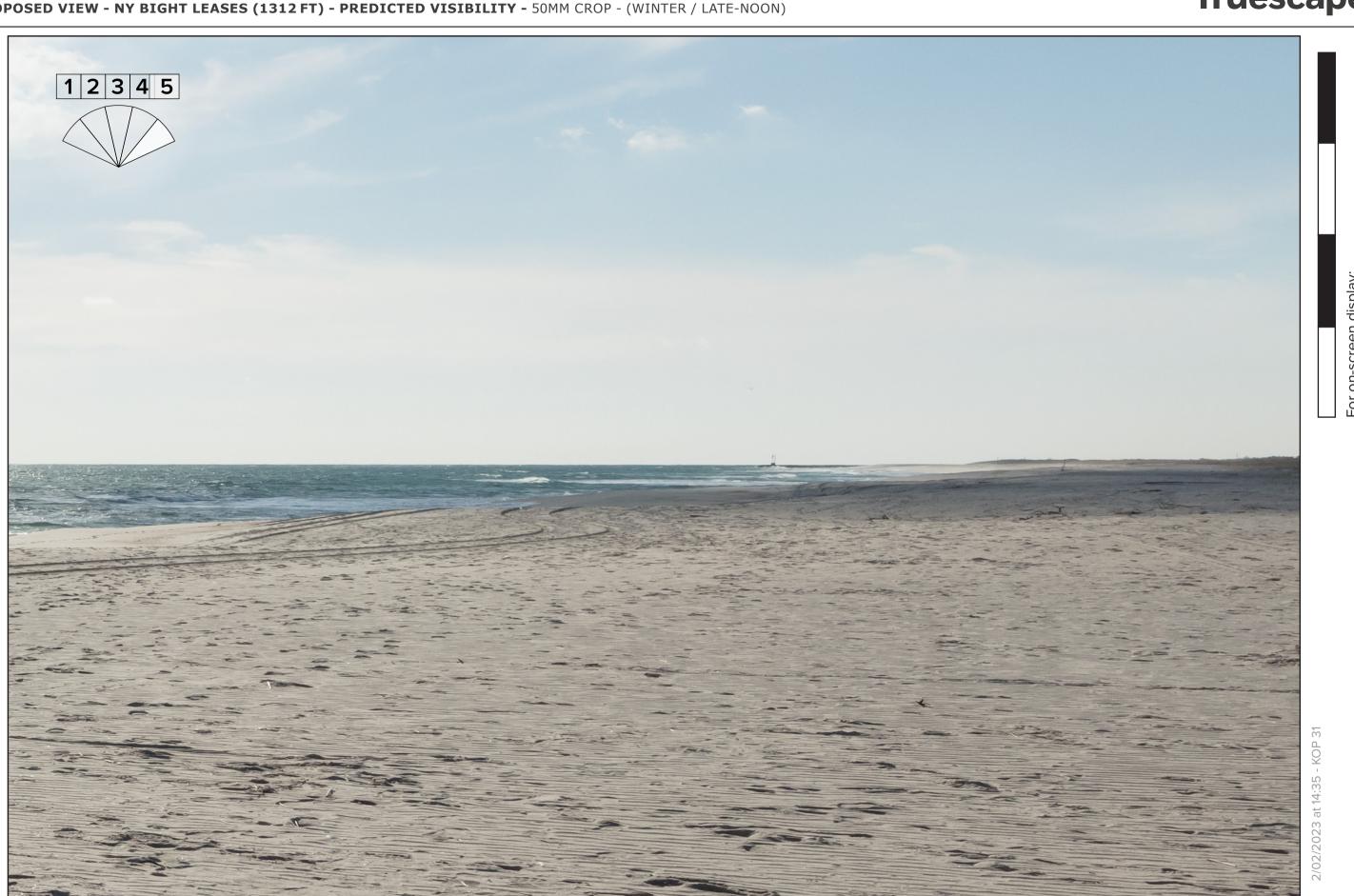
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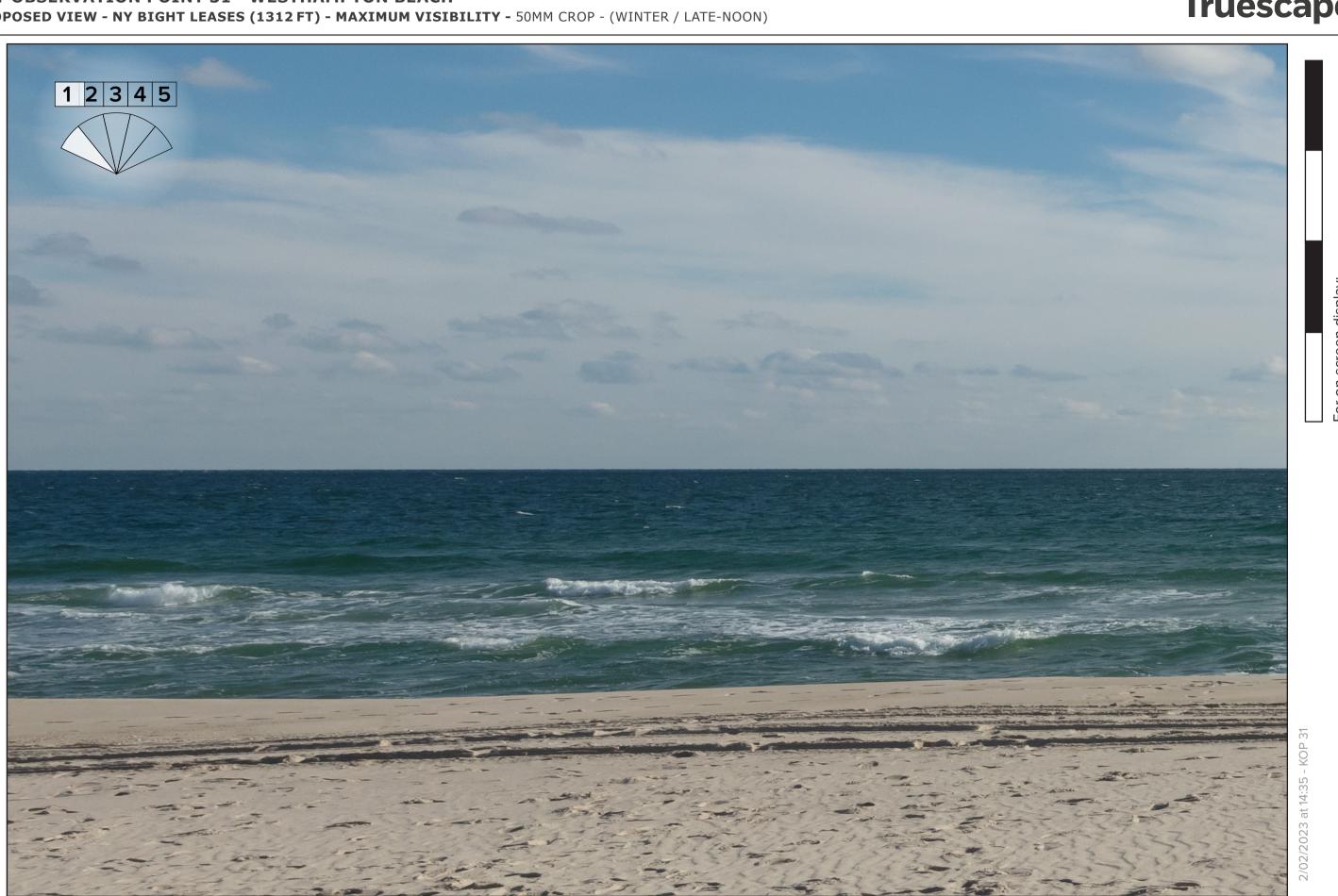
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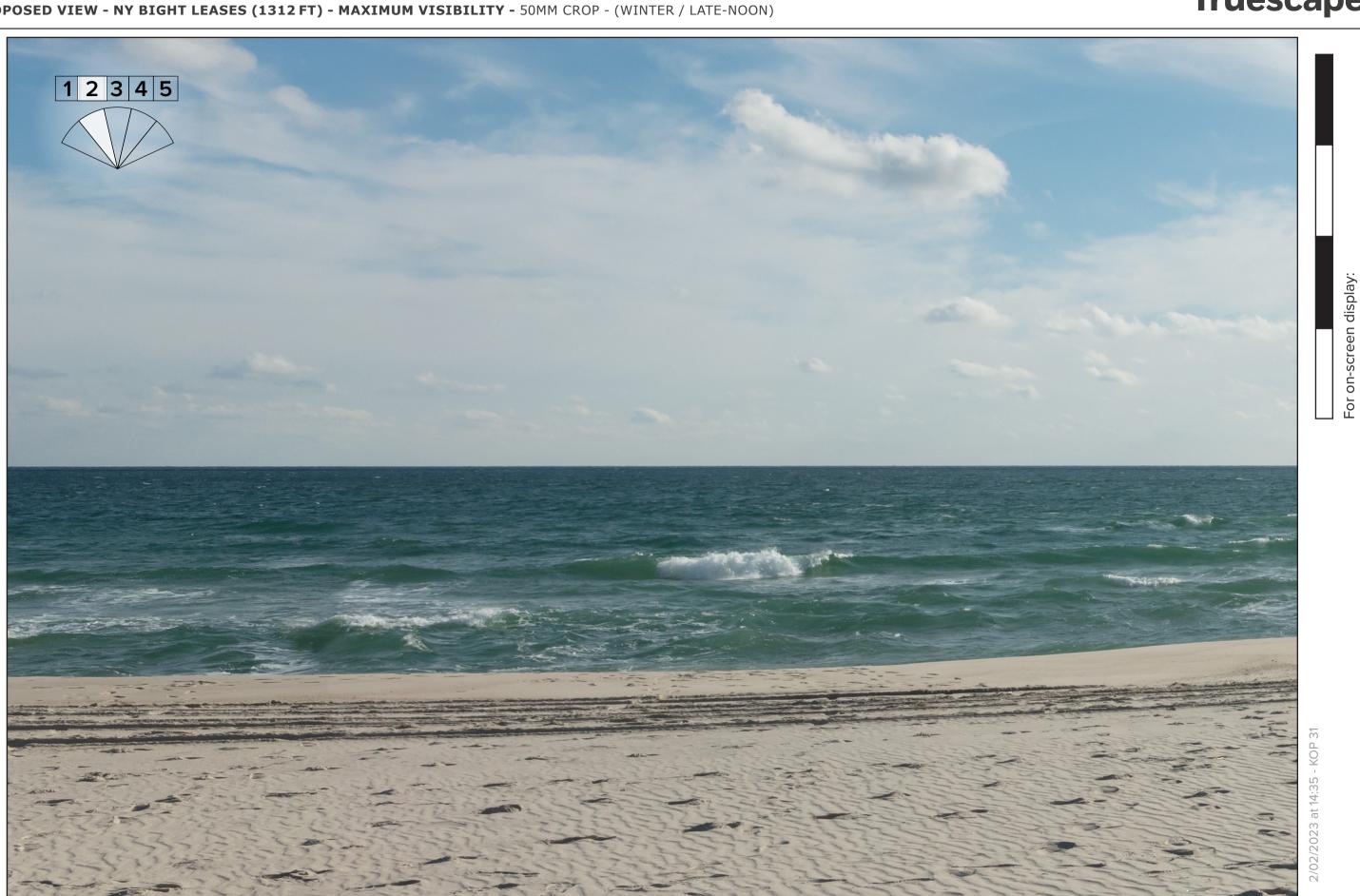
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (1312ft) - Maximum Visibility



KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - NY Bight Leases (1312ft) - Maximum Visibility

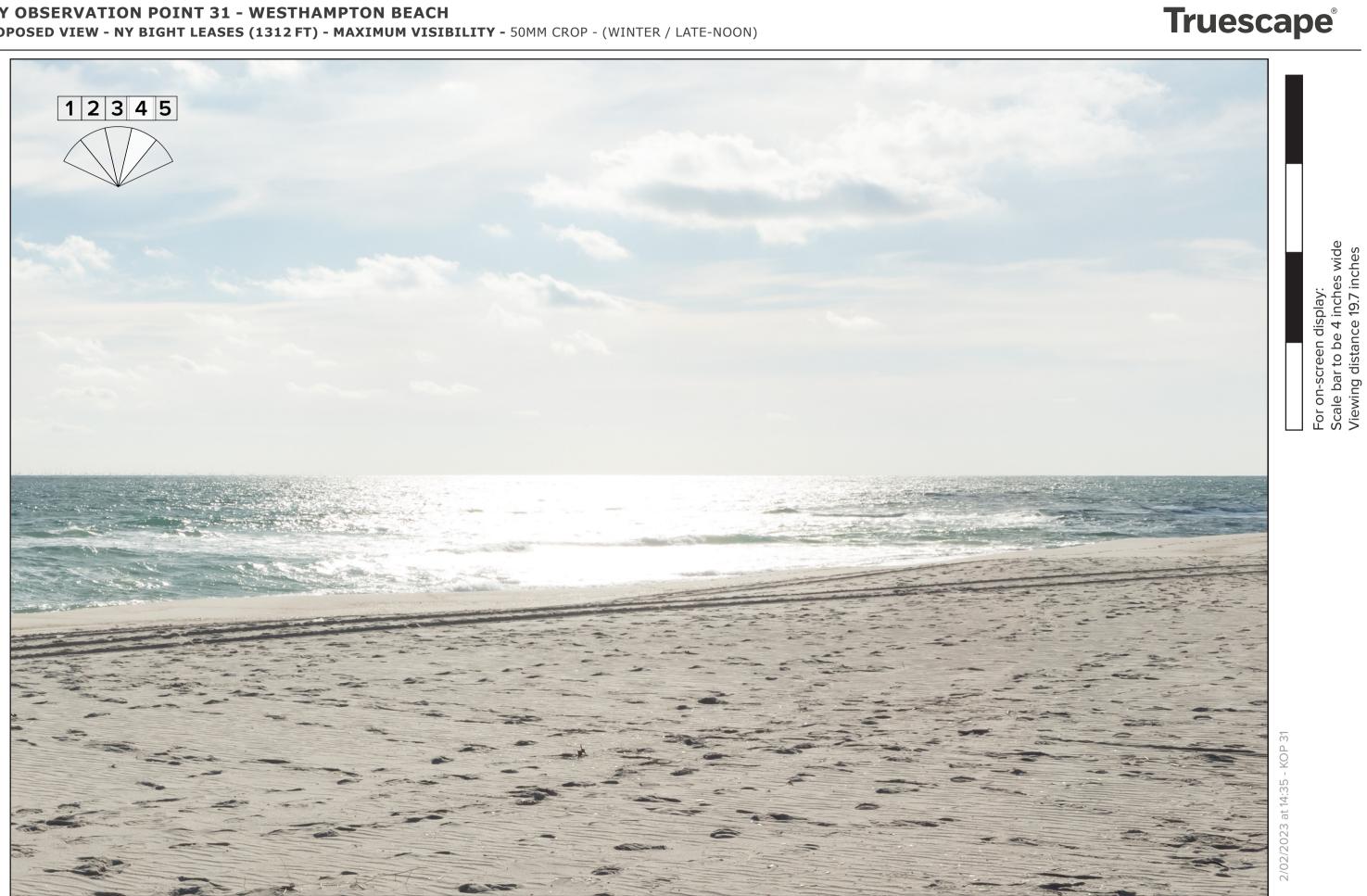


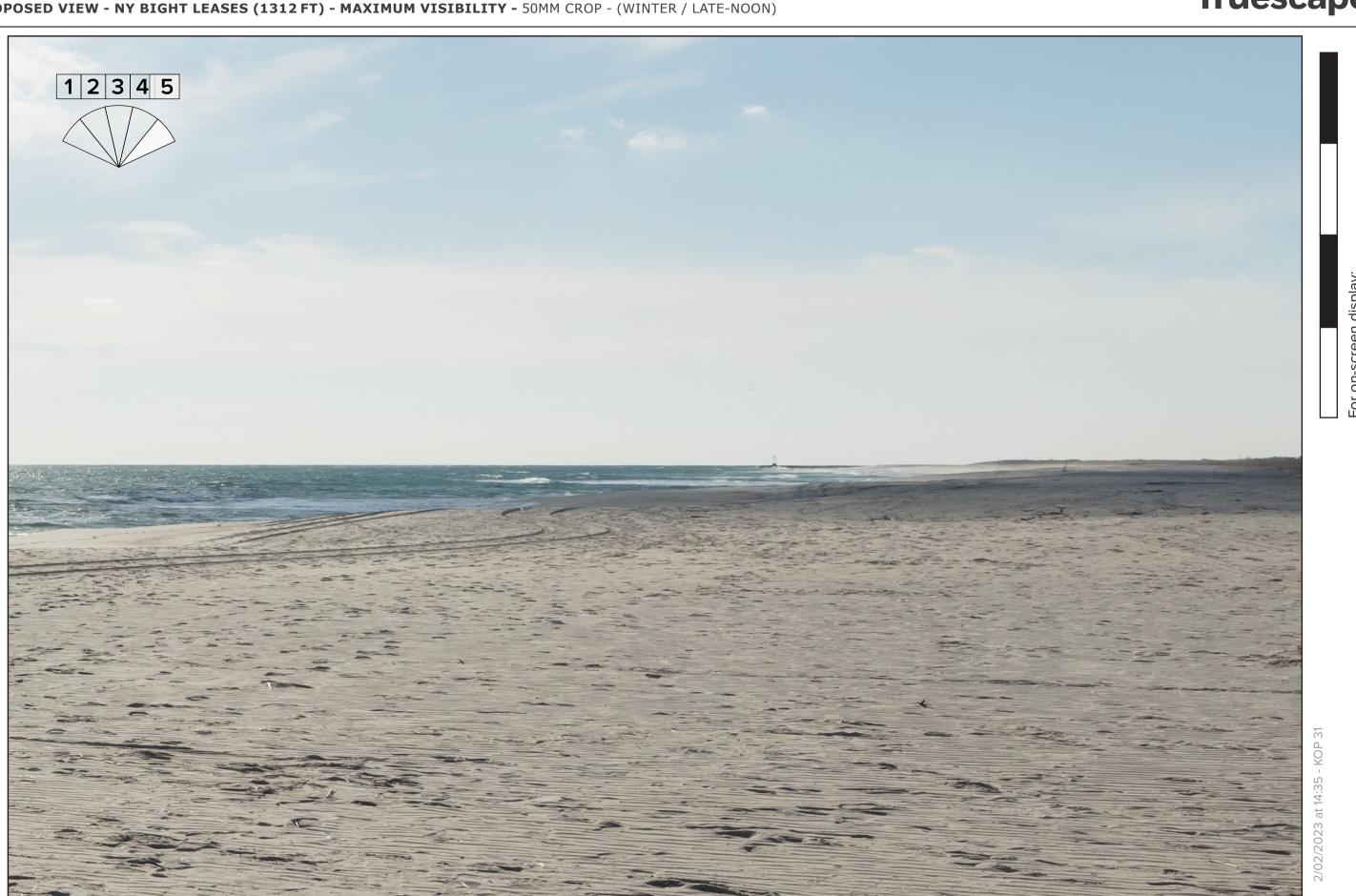
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KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Predicted Visibility



KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Predicted Visibility

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



2/02/2023 at 14:35 - KOP 31

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

PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - PREDICTED VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)





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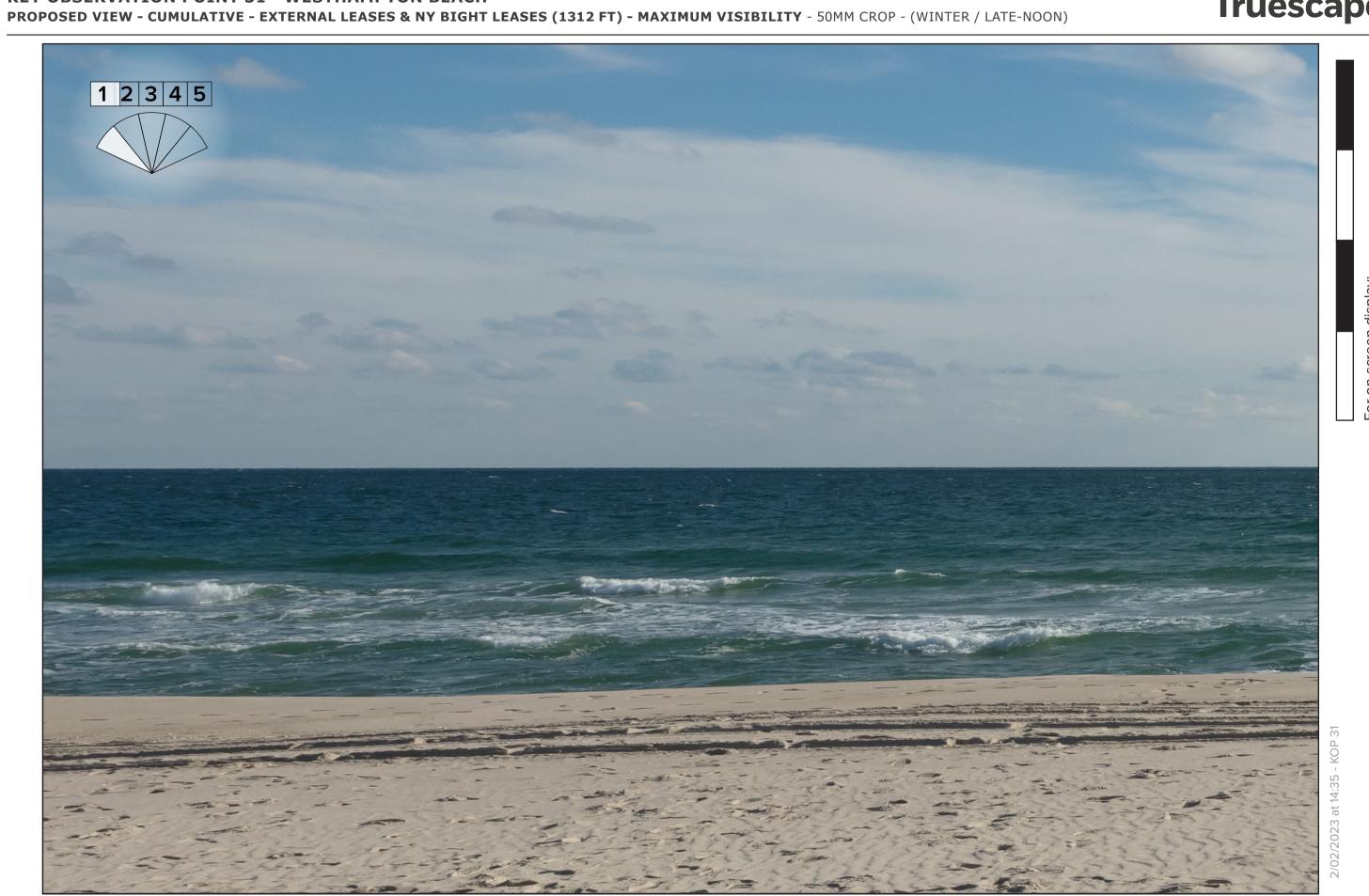




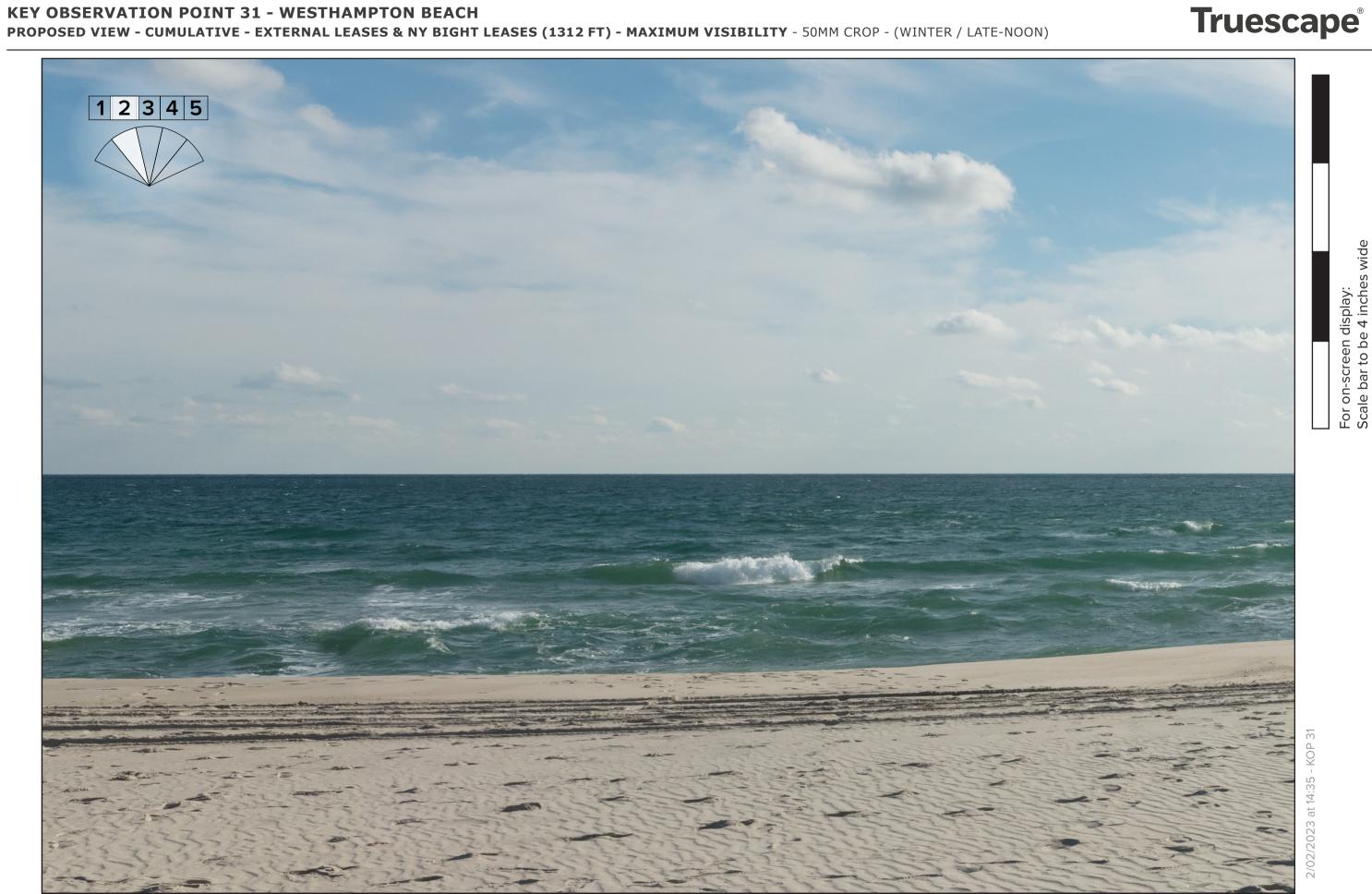
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility



KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - Cumulative - External Leases and NY Bight Leases (1312ft) - Maximum Visibility



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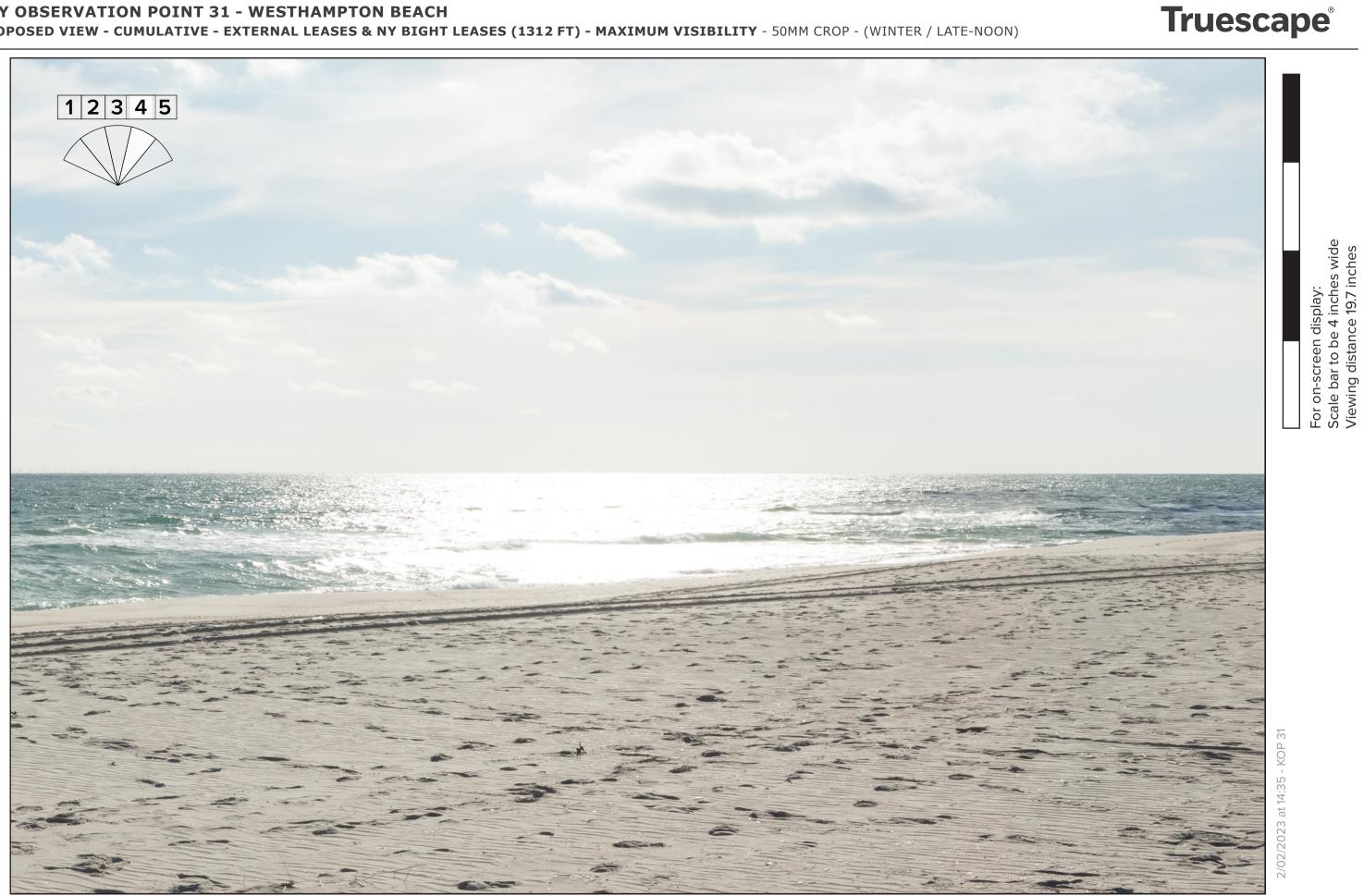


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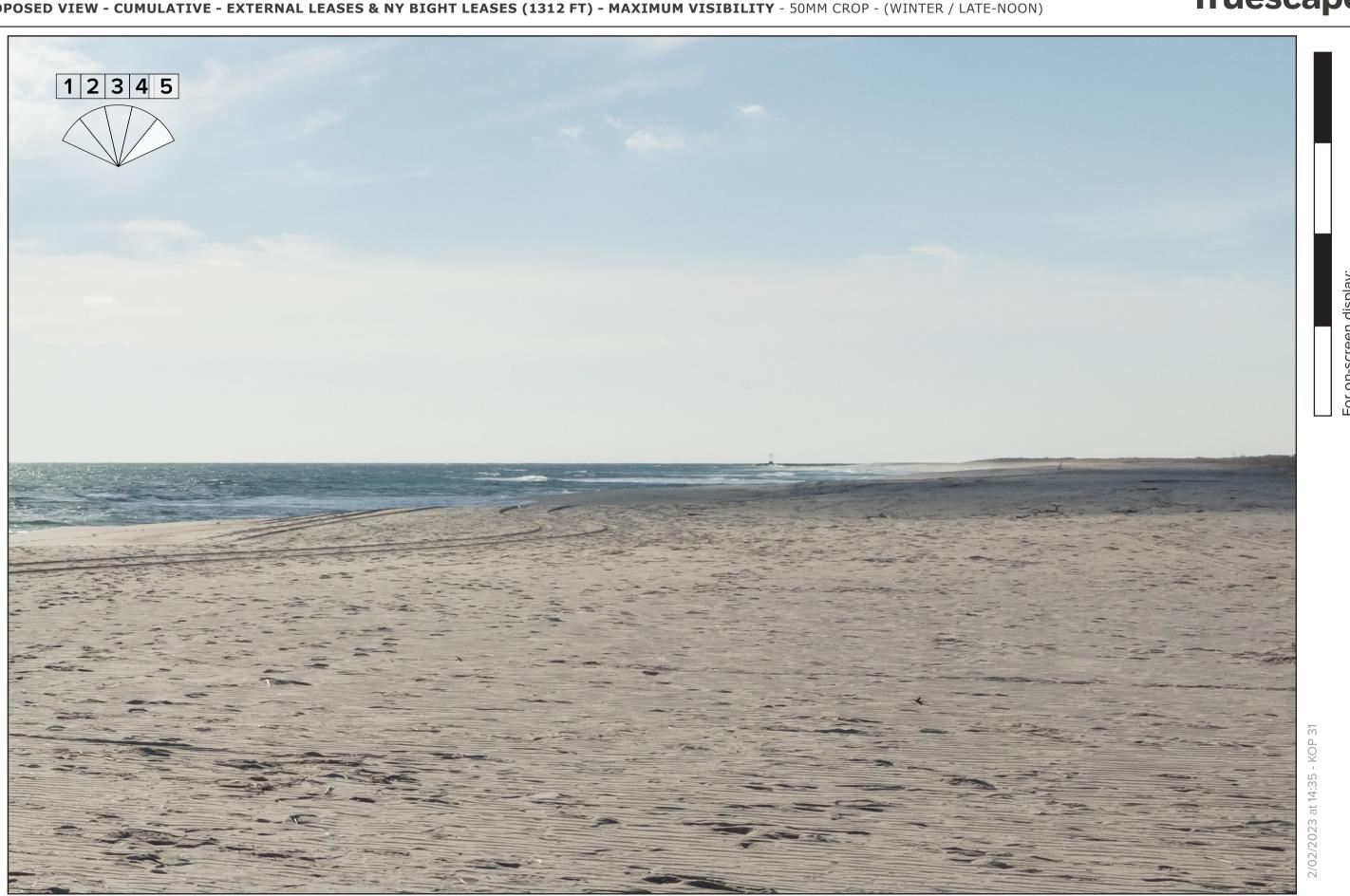
PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



PROPOSED VIEW - CUMULATIVE - EXTERNAL LEASES & NY BIGHT LEASES (1312 FT) - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / LATE-NOON)



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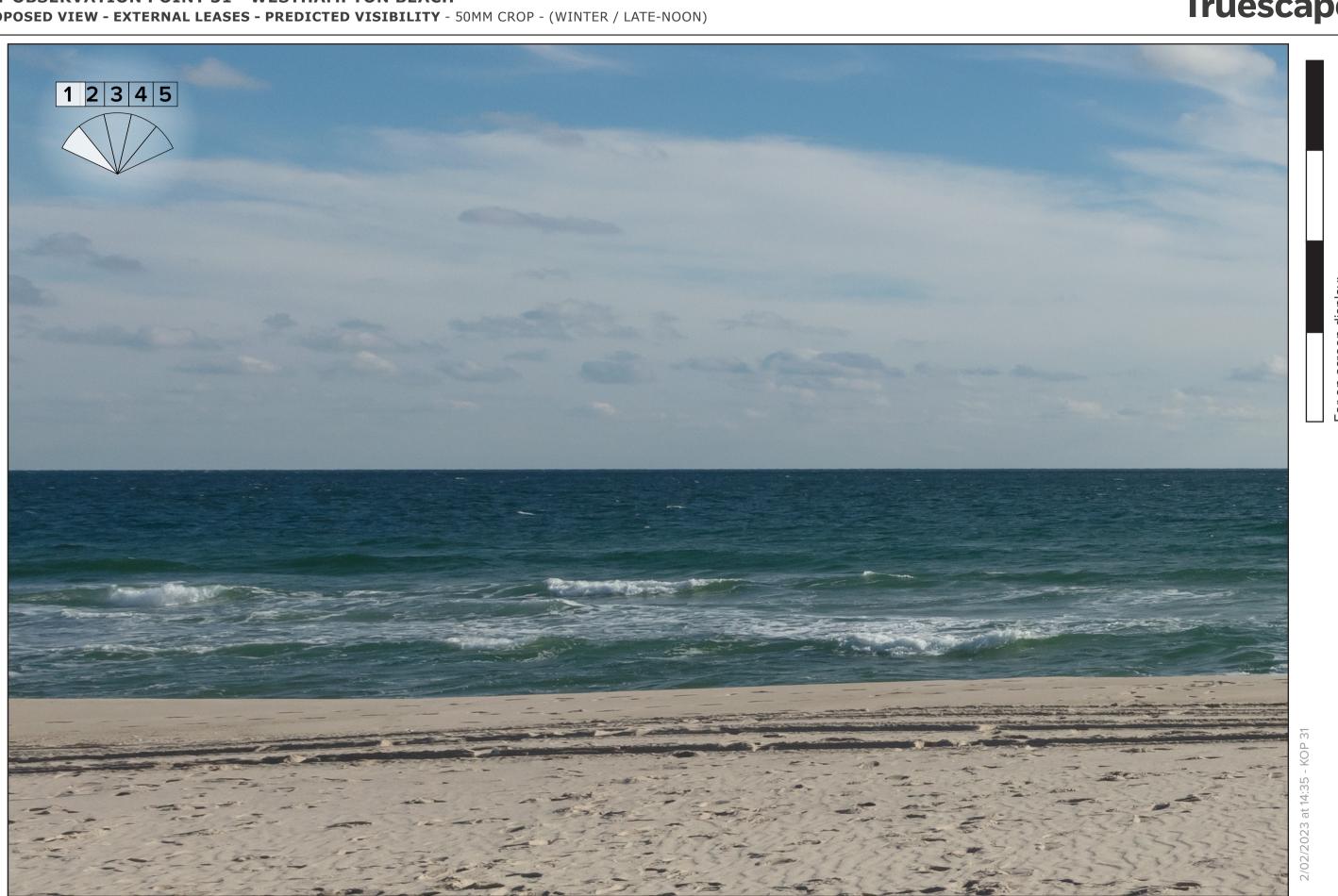
KOP 31, Westhampton Beach, Late-Noon, Heading 190° - Proposed View - External Leases - Predicted Visibility



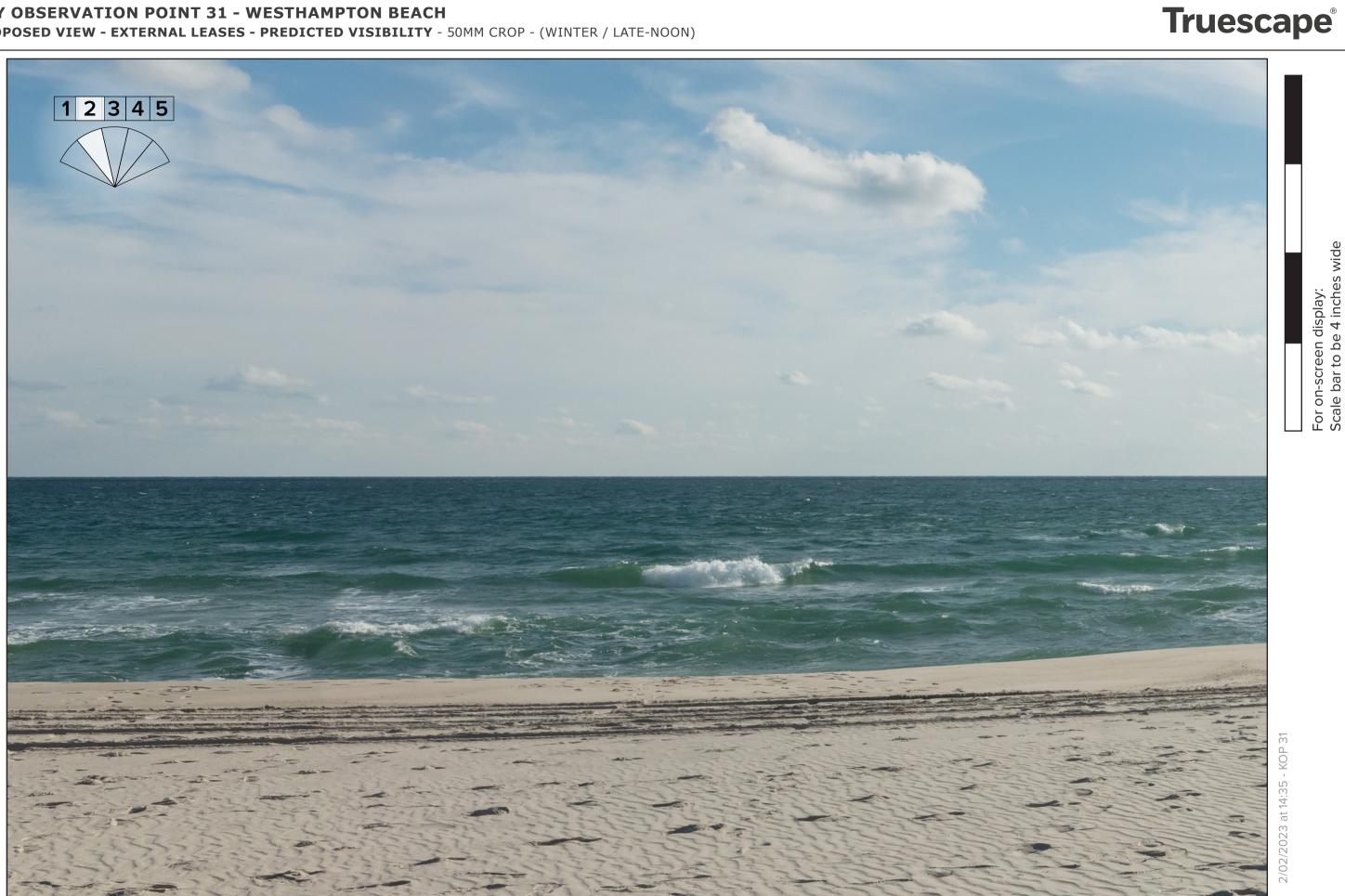
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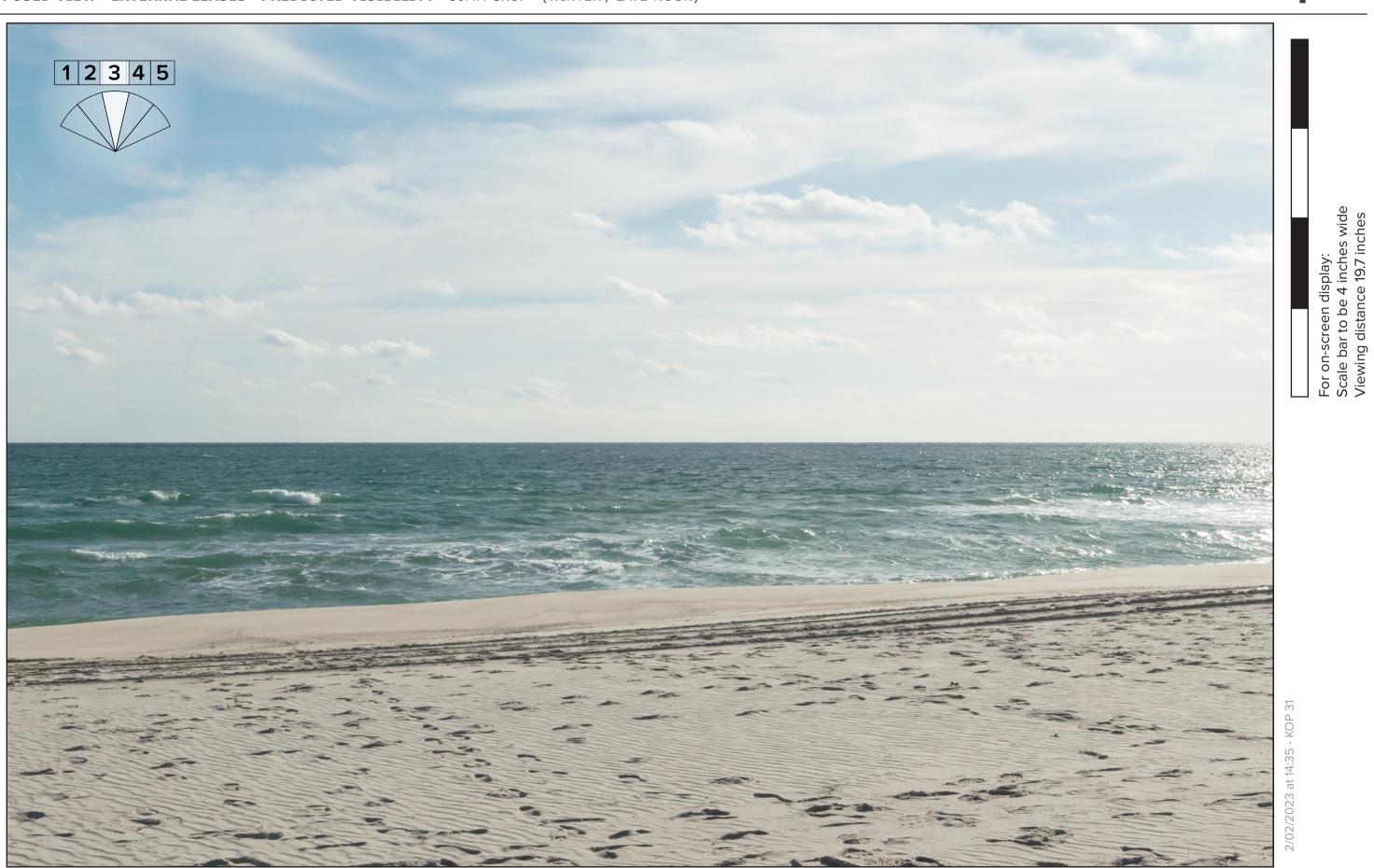
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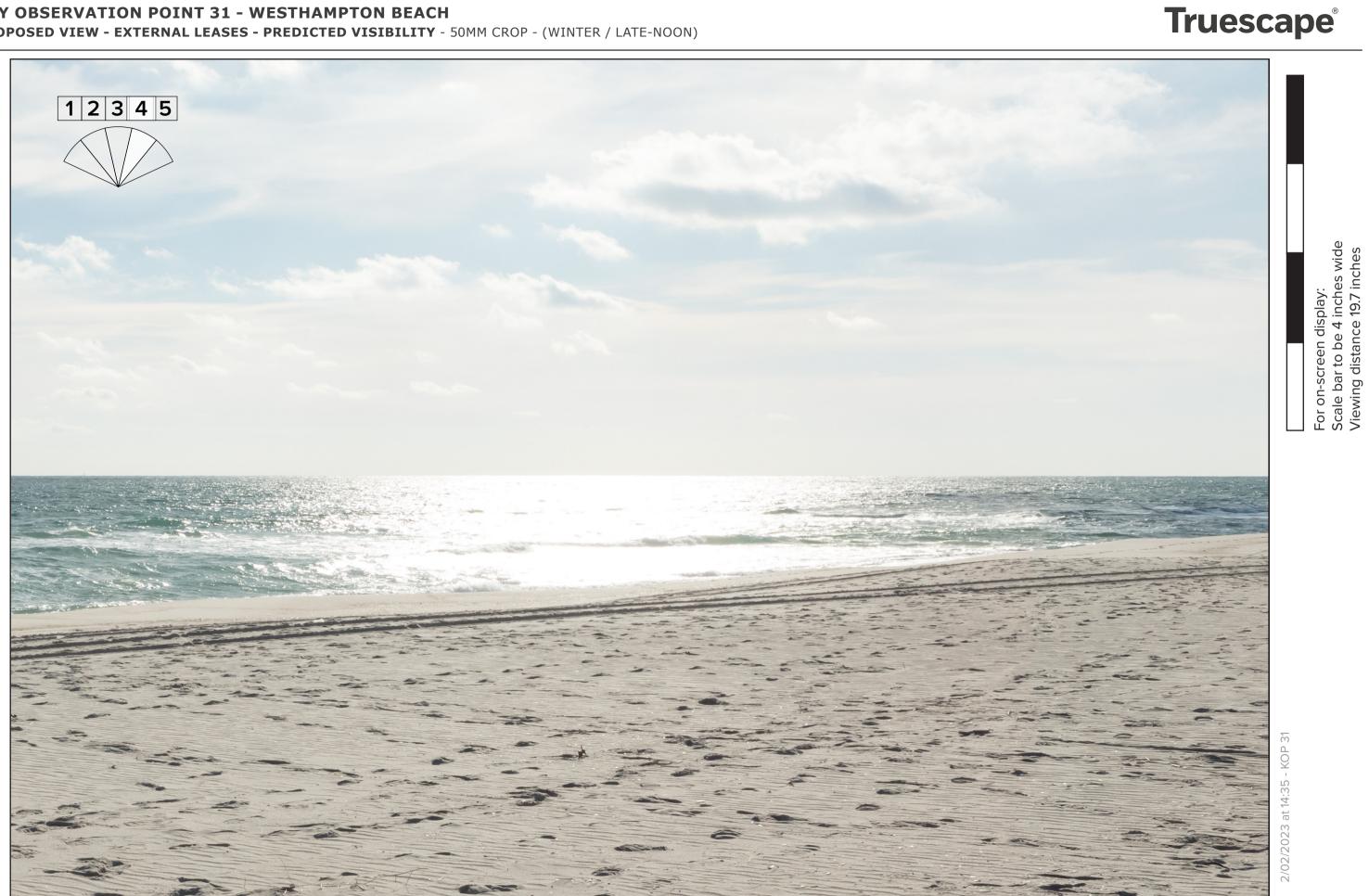


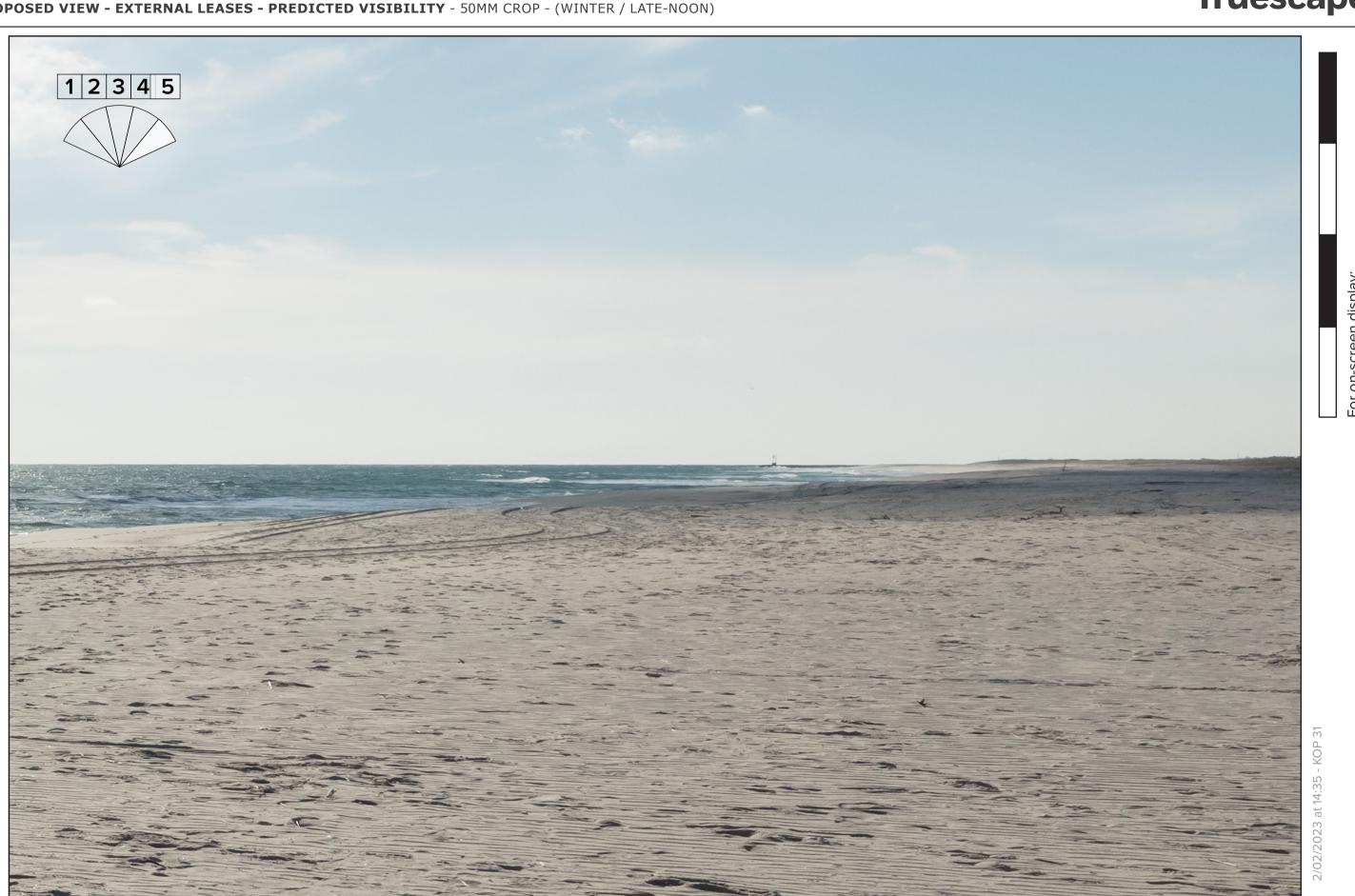
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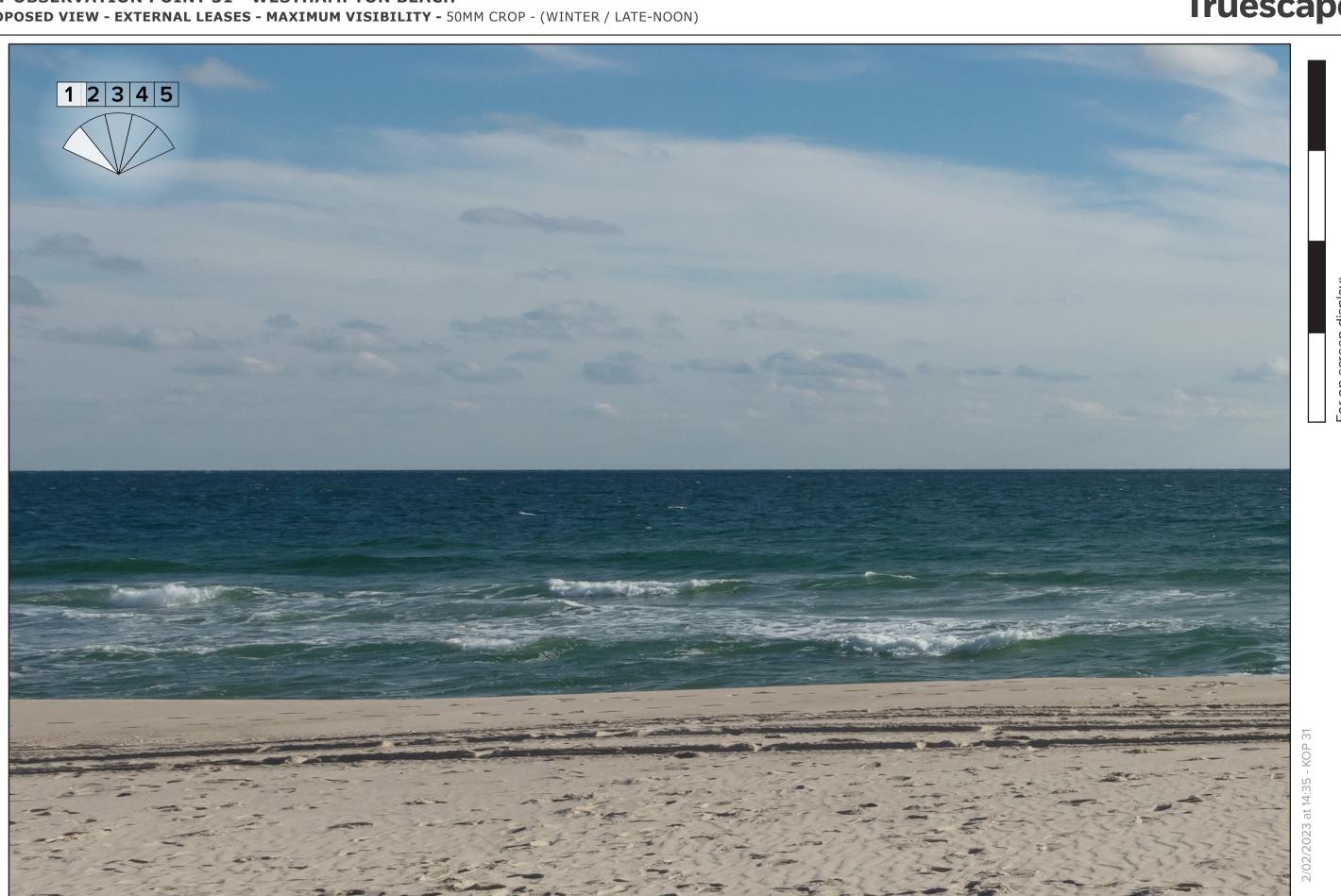
KOP 31, Westhampton Beach, Late-Noon, Heading 190° **- Proposed View - External Leases - Maximum Visibility** 



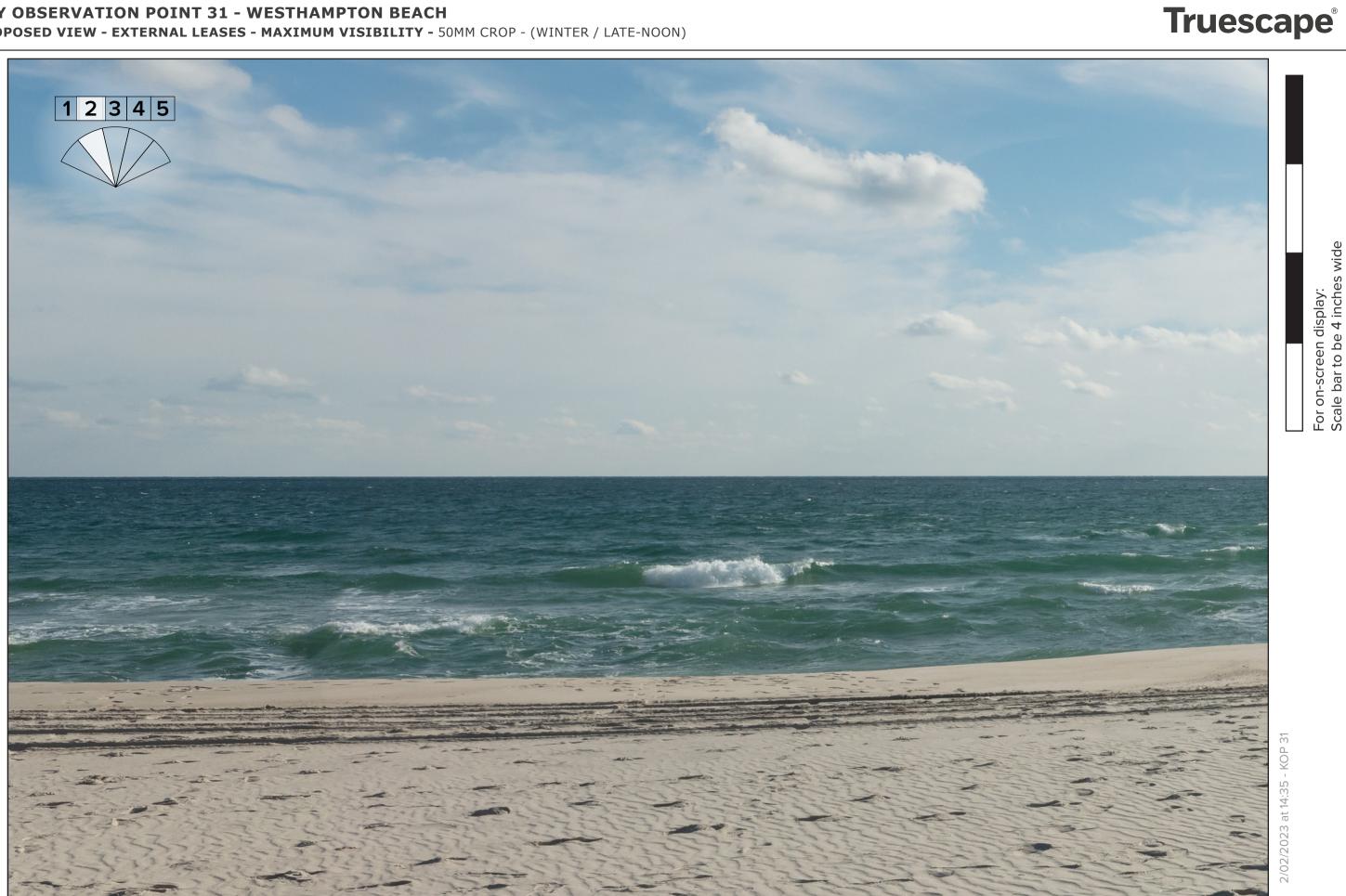
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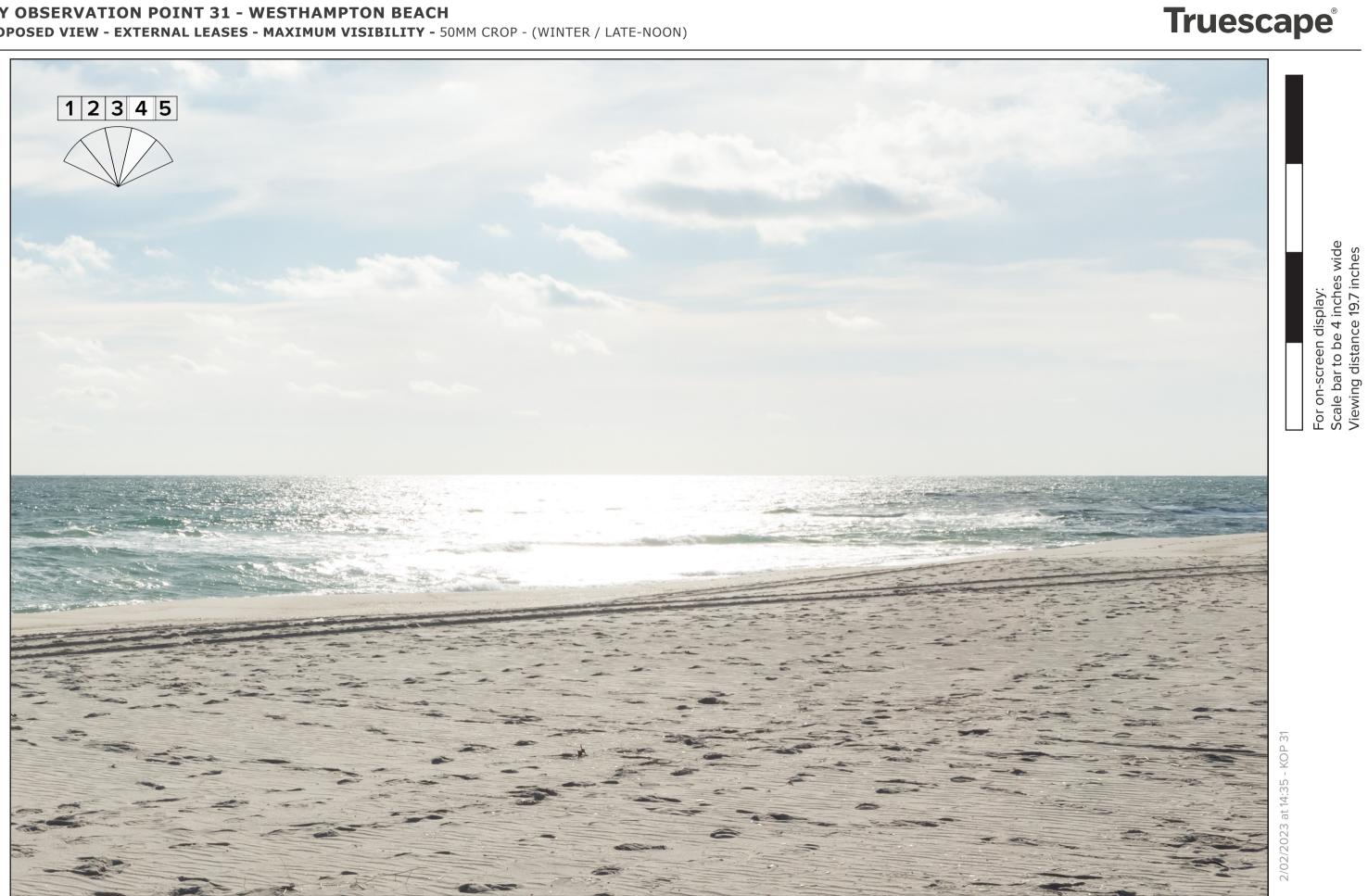


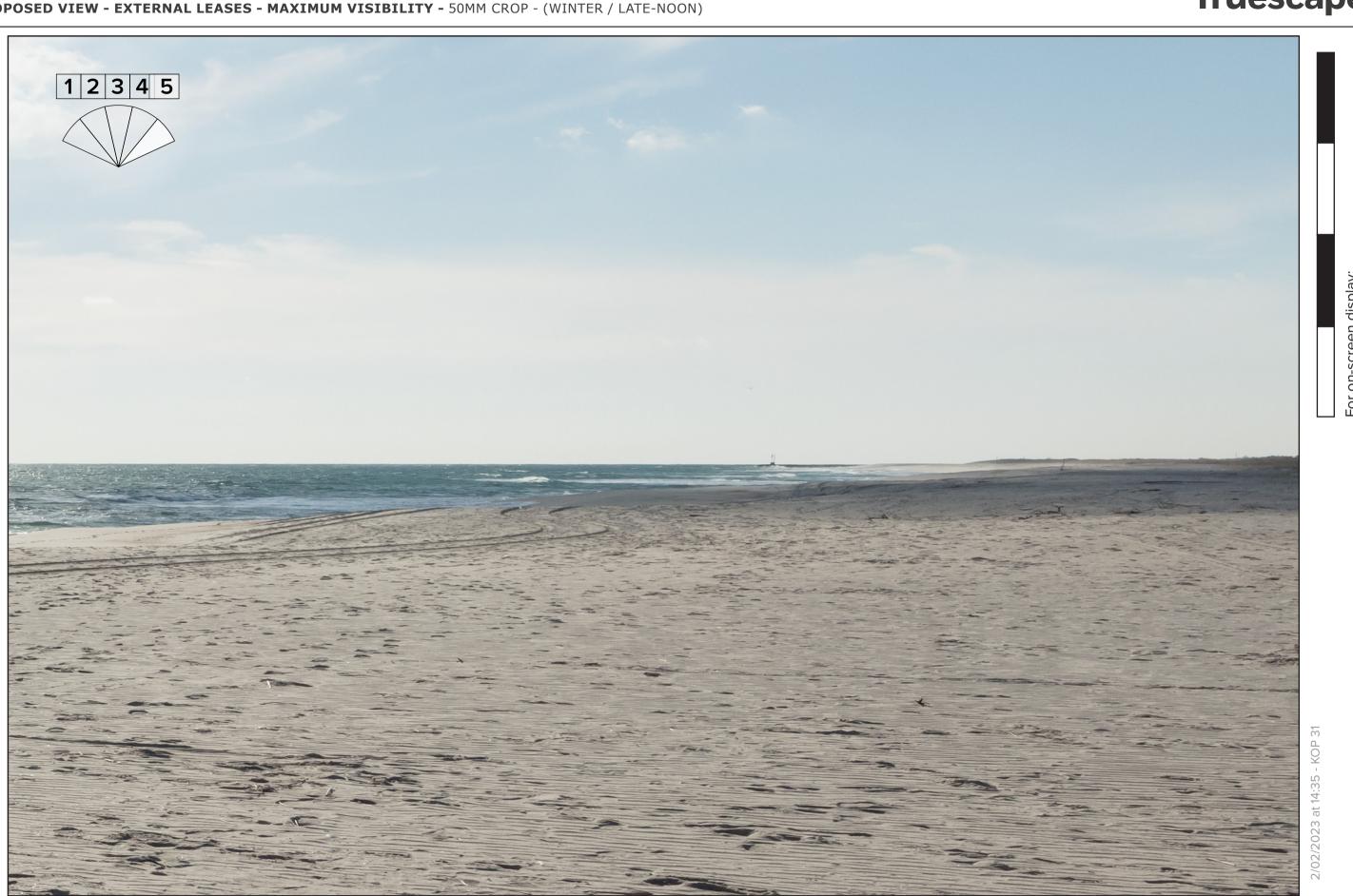
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