BOEM
Bureau of Ocean Energy Management

Truescape®

KOP: Otter Point | Season: Spring | Time of Day: Morning

Base Photographic Documentation

Date (MM/DD/YYYY):	4/14/2023
Time (24hr):	8:54
GPS Longitude:	-124.4248647
GPS Latitude:	42.46295851
Viewpoint Elevation (ft):	101.0072
Camera Height (ft):	5.41
Camera Heading:	SW

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:	65.47ø (H) / 46.397ø (V)

Viewing Instructions

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

Turbine Information

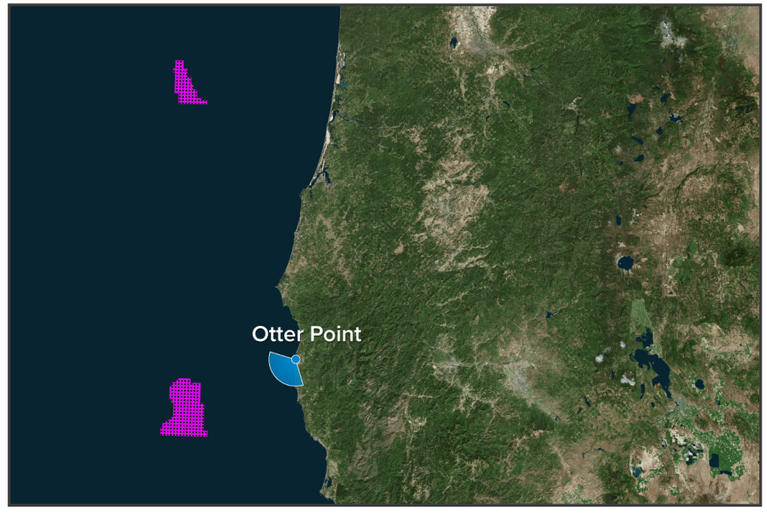
Distance to Nearest Turbine (Miles):	23
Number of Turbines:	262
Hub Height (ft):	725
Support Structure Height (ft):	106
Rotor Diameter (ft):	935
Total Height to Tip of Blade (ft):	1,171

Sun, Sky, and Weather Information

Sun Azimuth:	114.73
Sun Elevation:	34.7
Lighting Angle (On Turbines):	Left Lit
Weather Conditions:	Partly Cloudy
Predicted Visibility (Miles):	17.31
Temperature (°F):	44
Temperature (°C):	7
Humidity (%):	76
SQM Reading:	N/A

Image Preview

Context Map



● Key Observation Point (KOP) ● Turbines

Otter Point, Morning, Heading SW - **Existing View**

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

4/14/2023 at 8:54 - PDT-7

BOEM
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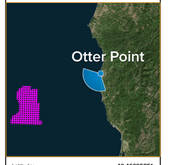
KW Oregon Offshore Wind

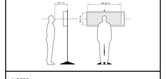
Otter Point
Spring / Morning
Heading SW

Viewpoint Location Project Area



Latitude:	**42.46295851**
Longitude:	**-124.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**4/14/2023 at 8:54**
Horizontal Field of View:	**124°**
Vertical Field of View:	**55°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:

Viewpoint locations have been precision surveyed by

Surveyor
Westland Resources
Engineering & Environmental Services Inc
Portland, OR
(971) 256-0046

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)

Provided by

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Otter Point, Morning, Heading SW - **Proposed View - Predicted Visibility**

4/14/2023 at 8:54 - PDT-2

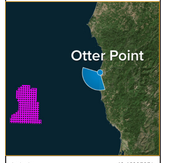
For on-screen display:
Scale bar to be 4 inches wide
Viewing distance 19.7 inches

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Morning
Heading SW

Viewpoint Location Project Area



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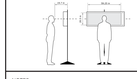
CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - PREDICTED VISIBILITY - 50MM CROP - (SPRING / MORNING)

Truescape®

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

4/14/2023 at 8:54 - KOP 2

Otter Point, Morning, Heading SW - **Proposed View - Maximum Visibility**

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

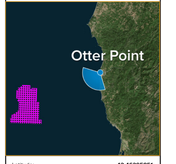
4/14/2023 at 8:54 - PDT

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Morning
Heading SW

Viewpoint Location Project Area



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Longitude:	**-124.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
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Horizontal Field of View:	**124°**
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CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

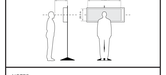

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Photo Simulation Created Using
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(Patent No.: US 8,184,906 B2)

Provided by

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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / MORNING)

Truescape®

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

4/14/2023 at 8:54 - KOP 2

BOEM
Bureau of Ocean Energy Management

Truescape®

KOP: Otter Point | Season: Winter | Time of Day: Noon

Base Photographic Documentation

Date (MM/DD/YYYY):	3/16/2023
Time (24hr):	12:57
GPS Longitude:	-123.4248647
GPS Latitude:	42.46295851
Viewpoint Elevation (ft):	101.0072
Camera Height (ft):	5.41
Camera Heading:	SW

Camera Information

Camera Make & Model:	Canon EOS 5DS R
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	Sigma F1.4 DG HSM A020
Lens Focal Length:	20mm
Field of View:	65.47ø (H) / 46.397ø (V)

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

Turbine Information

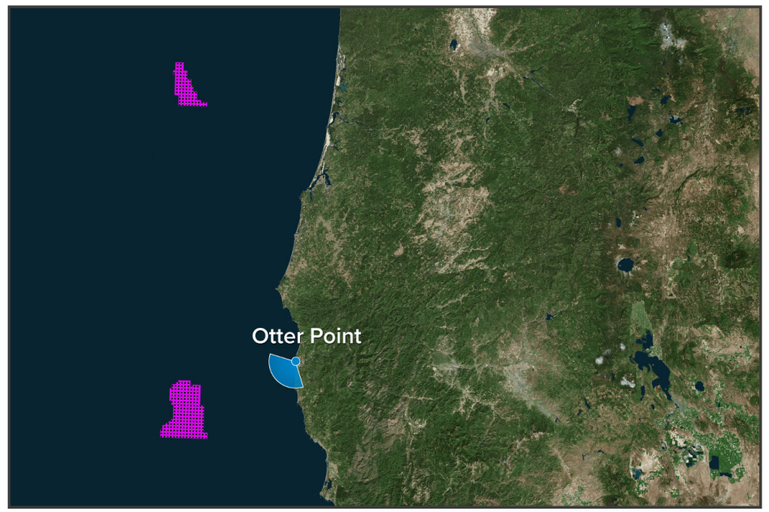
Distance to Nearest Turbine (Miles):	23
Number of Turbines:	262
Hub Height (ft):	725
Support Structure Height (ft):	106
Rotor Diameter (ft):	935
Total Height to Tip of Blade (ft):	1,171

Sun, Sky, and Weather Information

Sun Azimuth:	181.58
Sun Elevation:	25.63
Lighting Angle (On Turbines):	Top-Left Lit
Weather Conditions:	Fair
Predicted Visibility (Miles):	33.21
Temperature (°F):	50
Temperature (°C):	10
Humidity (%):	71
SQM Reading:	N/A

Image Preview

Context Map



● Key Observation Point (KOP) ● Turbines

Otter Point, Noon, Heading SW - **Existing View**

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

3/16/2023 at 12:57:1 PDT 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Winter / Noon
Heading SW

Viewpoint Location
Project Area

Latitude:	**42.46295851**
Longitude:	**-123.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**3/16/2023 at 12:57**
Horizontal Field of View:	**124°**
Vertical Field of View:	**55°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

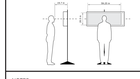


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Photo Simulation Created Using
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(Patent No.: US 8,184,906 B2)

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Otter Point, Noon, Heading SW - **Proposed View - Predicted Visibility**

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

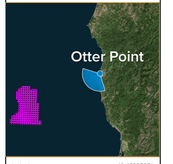
3/16/2023 at 12:57:1 PDST 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

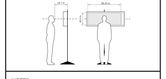
Otter Point
Winter / Noon
Heading SW

Viewpoint Location
Project Area



Latitude:	**42.46295851**
Longitude:	**-123.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**3/16/2023 at 12:57**
Horizontal Field of View:	**124°**
Vertical Field of View:	**55°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - PREDICTED VISIBILITY - 50MM CROP - (WINTER / NOON)

Truescape®

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

3/16/2023 at 12:57 - KOP 2

Otter Point, Noon, Heading SW **- Proposed View - Maximum Visibility**

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

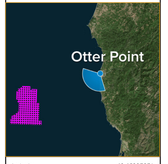
3/16/2023 at 12:57:1 PDST 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Winter / Noon
Heading SW

Viewpoint Location
Project Area



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Longitude:	**-123.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**3/16/2023 at 12:57**
Horizontal Field of View:	**124°**
Vertical Field of View:	**55°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS

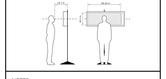

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Photo Simulation Created Using
TrueView™ Technology
(Patent No.: US 8,184,906 B2)

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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - MAXIMUM VISIBILITY - 50MM CROP - (WINTER / NOON)

Truescape®

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

3/16/2023 at 12:57 - KOP 2

BOEM
Bureau of Ocean Energy Management

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KOP: Otter Point | Season: Spring | Time of Day: Afternoon

Base Photographic Documentation

Date (MM/DD/YYYY):	4/13/2023
Time (24hr):	15:08
GPS Longitude:	-122.4248647
GPS Latitude:	42.46295851
Viewpoint Elevation (ft):	101.0072
Camera Height (ft):	5.41
Camera Heading:	SW

Camera Information

Camera Make & Model:	Canon EOS 5DS R
Camera Sensor Size:	36mm x 24mm
Lens Make & Model:	Sigma F1.4 DG HSM A021
Lens Focal Length:	20mm
Field of View:	65.47ø (H) / 46.397ø (V)

Viewing Instructions

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

Turbine Information

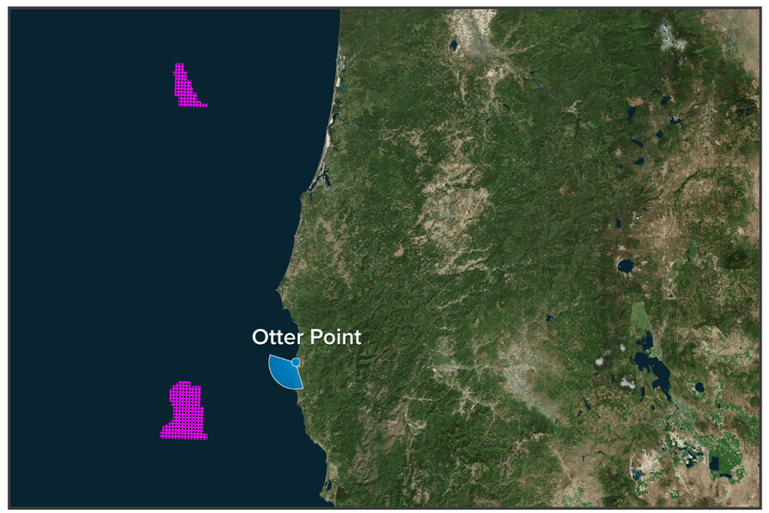
Distance to Nearest Turbine (Miles):	23
Number of Turbines:	262
Hub Height (ft):	725
Support Structure Height (ft):	106
Rotor Diameter (ft):	935
Total Height to Tip of Blade (ft):	1,171

Sun, Sky, and Weather Information

Sun Azimuth:	240.32
Sun Elevation:	37.6
Lighting Angle (On Turbines):	Right Lit
Weather Conditions:	Partly Cloudy
Predicted Visibility (Miles):	21.9
Temperature (°F):	54
Temperature (°C):	12
Humidity (%):	66
SQM Reading:	N/A

Image Preview

Context Map



Key Observation Point (KOP) Turbines

Otter Point, Afternoon, Heading SW **- Existing View**

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

4/13/2022 at 15:08 - KEEP 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Afternoon
Heading SW

Viewpoint Location Project Area

Latitude:	**42.46295851**
Longitude:	**-122.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**4/13/2022 at 15:08**
Horizontal Field of View:	**124°**
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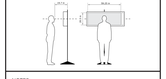
CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



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Otter Point, Afternoon, Heading SW **- Proposed View - Predicted Visibility**

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

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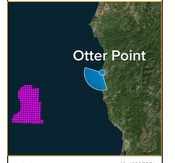
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Afternoon
Heading SW

Viewpoint Location Project Area



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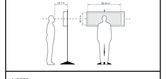

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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - PREDICTED VISIBILITY - 50MM CROP - (SPRING / AFTERNOON)

Truescape®

For on-screen display:
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4/13/2023 at 15:08 - KOP 2

Otter Point, Afternoon, Heading SW **- Proposed View - Maximum Visibility**

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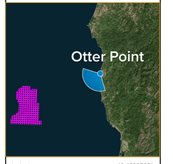
BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Afternoon
Heading SW

Viewpoint Location Project Area



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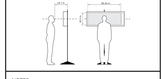

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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / AFTERNOON)

Truescape®

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

4/13/2023 at 15:08 - KOP 2

BOEM
Bureau of Ocean Energy Management

Truescape®

KOP: Otter Point | Season: Spring | Time of Day: Night

Base Photographic Documentation

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Time (24hr):	21:26
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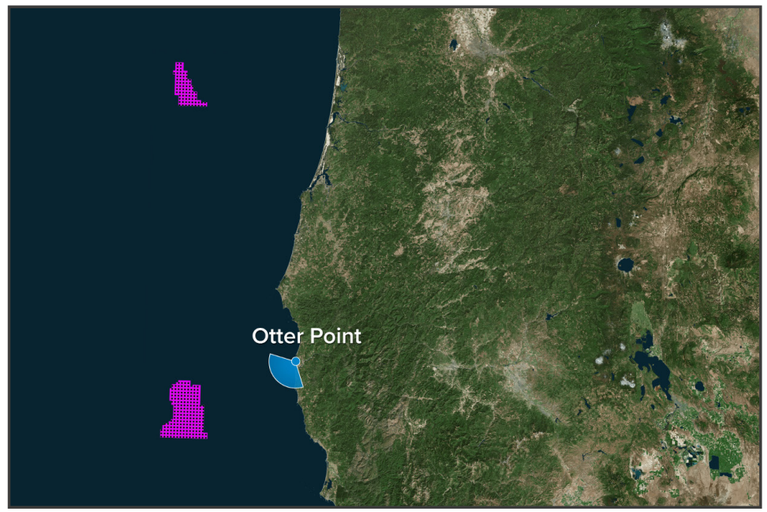
Sun Elevation:	N/A
Lighting Angle (On Turbines):	N/A
Weather Conditions:	Fair
Predicted Visibility (Miles):	N/A
Temperature (°F):	43
Temperature (°C):	6
Humidity (%):	87
SQM Reading:	21.5

Image Preview

Context Map



● Key Observation Point (KOP) ● Turbines

Otter Point, Night, Heading SW - **Existing View**

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

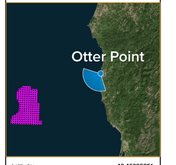
4/13/2023 at 21:26:26 - KEEP 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

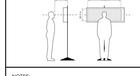
Otter Point
Spring / Night
Heading SW

Viewpoint Location Project Area



Latitude:	**42.46295851**
Longitude:	**-121.4246647**
Elevation of Viewpoint Position:	**101.0072**
Height of Camera Above Ground:	**5.41 ft**
Date of Photography:	**4/13/2023 at 21:26**
Horizontal Field of View:	**124°**
Vertical Field of View:	**55°**

CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



NOTES:

Viewpoint locations have been precision surveyed by

Surveyor
Westland Resources
Engineering & Environmental Services Inc
Portland, OR
(971) 256-0046

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)

Provided by

Truescape®

truescape.com

Otter Point, Night, Heading SW **- Proposed View - Maximum Visibility**

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

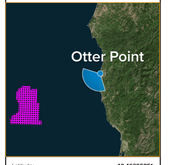
4/13/2023 at 21:26:... KWF 2

BOEM
Bureau of Ocean Energy Management

KW Oregon Offshore Wind

Otter Point
Spring / Night
Heading SW

Viewpoint Location
Project Area



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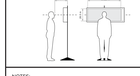
CORRECT VIEWING OF TRUEVIEW™ PHOTO SIMULATIONS



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Provided by

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KEY OBSERVATION POINT - OTTER POINT
PROPOSED VIEW - MAXIMUM VISIBILITY - 50MM CROP - (SPRING / NIGHT)

Truescape®

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

4/13/2023 at 21:26 - KOP 2