Maryland Offshore Wind Project

Offshore Maryland and Delaware

Figure 5

Sheet 1 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▨ Potential Turbine Blade Visibility (43 mi)

LSZ

- Open Water
- Forest and Forested Wetlands
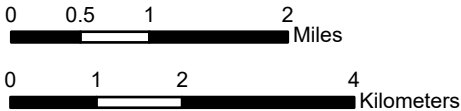- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
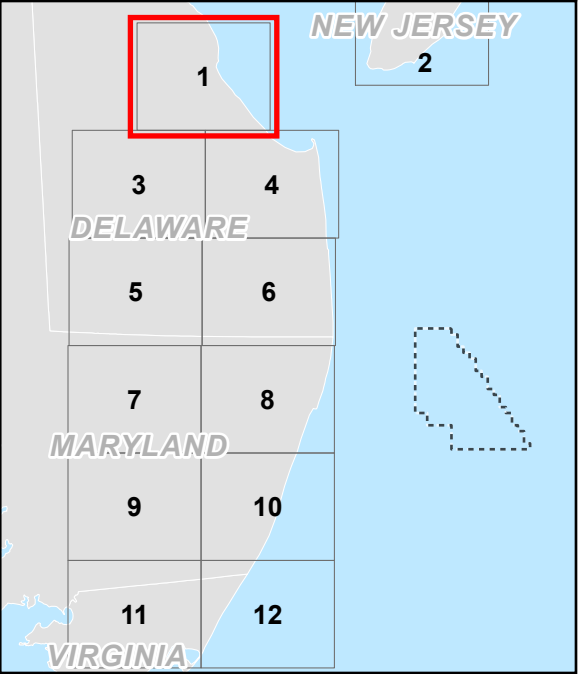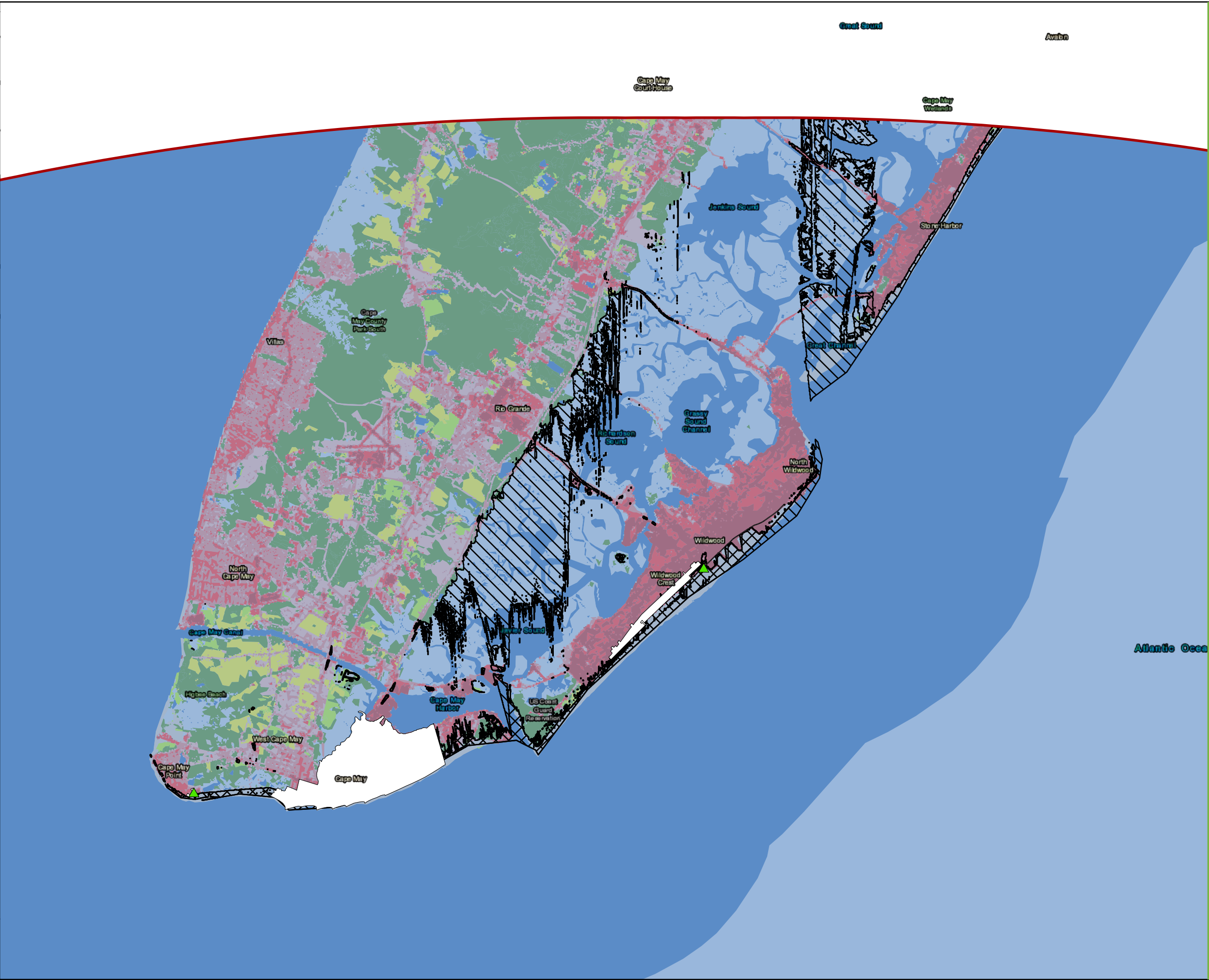- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

0 0.5 1 2 Miles

0 1 2 4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022
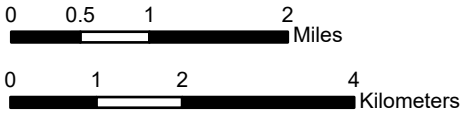
Datum: NAD 1983 UTM Zone 18N

TRC

Maryland Offshore Wind Project
Offshore Maryland and Delaware

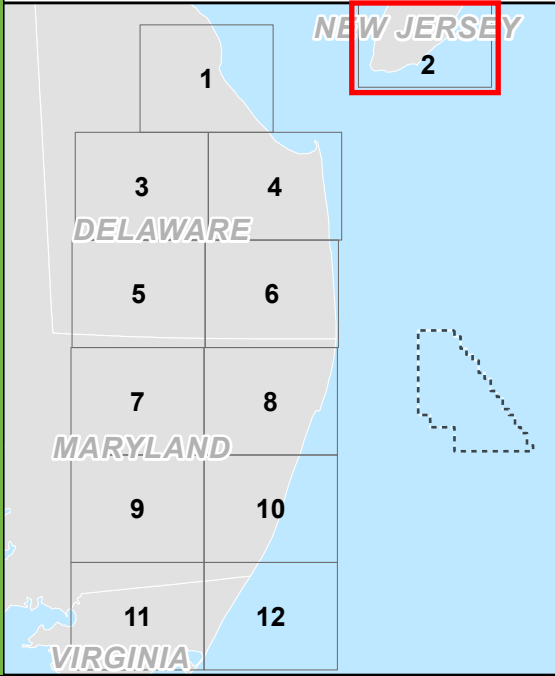**Figure 5**
Sheet 2 of 12

Landscape Similarity Zones

Legend

▲ Selected Simulation Location

☐ Historic Resources (area)

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

LSZ
- Open Water
- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

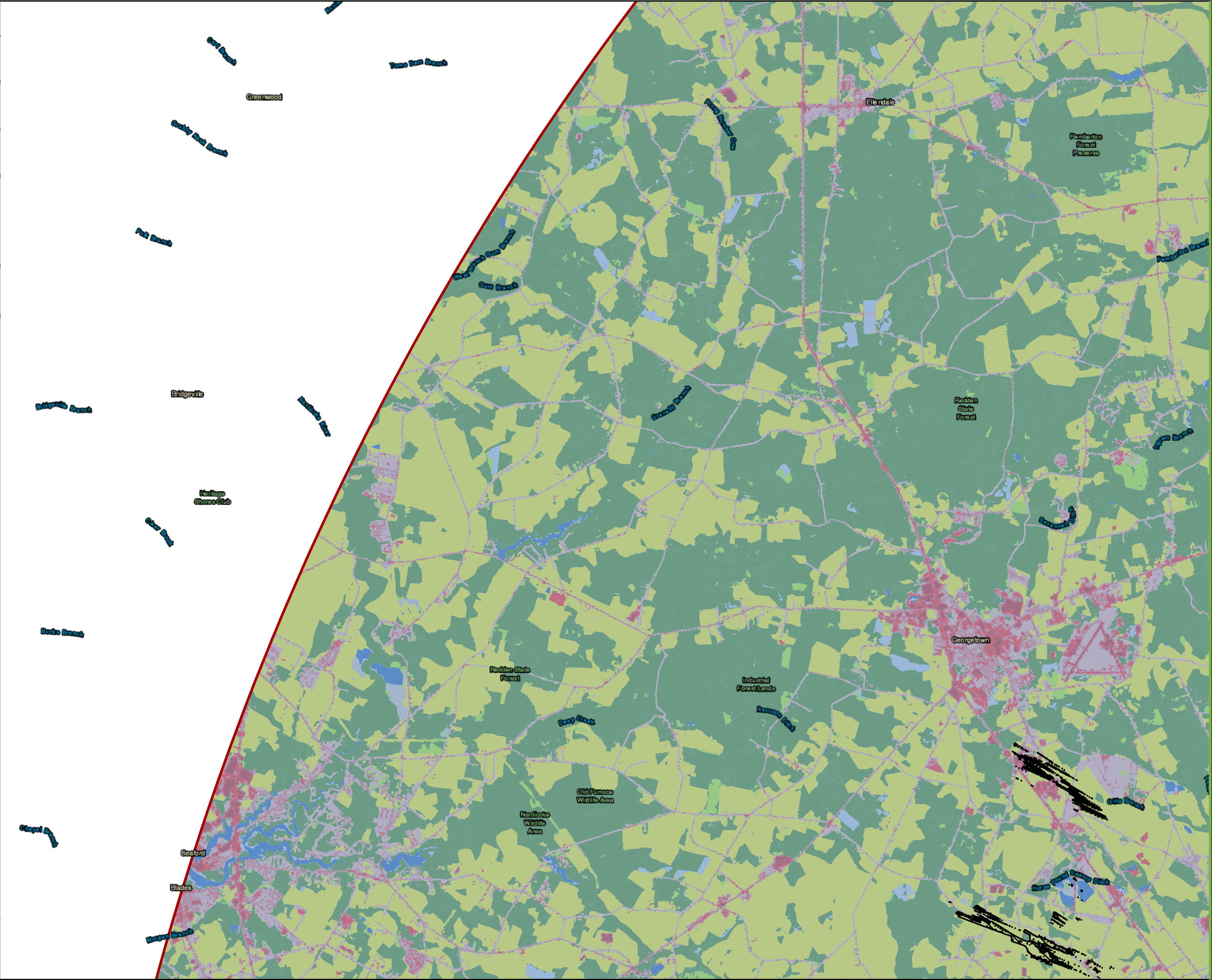0 0.5 1 2 Miles

0 1 2 4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022
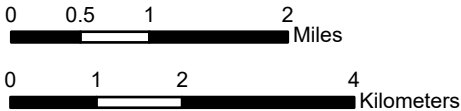
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Date: 4/24/2023

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Maryland Offshore Wind Project
Offshore Maryland and Delaware
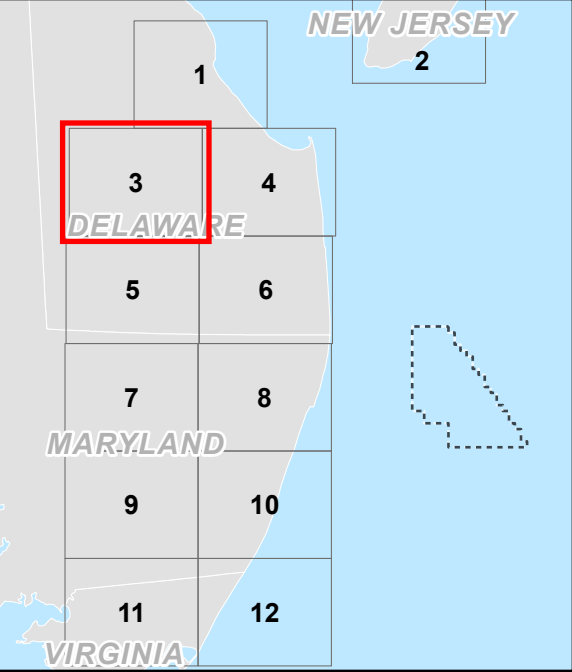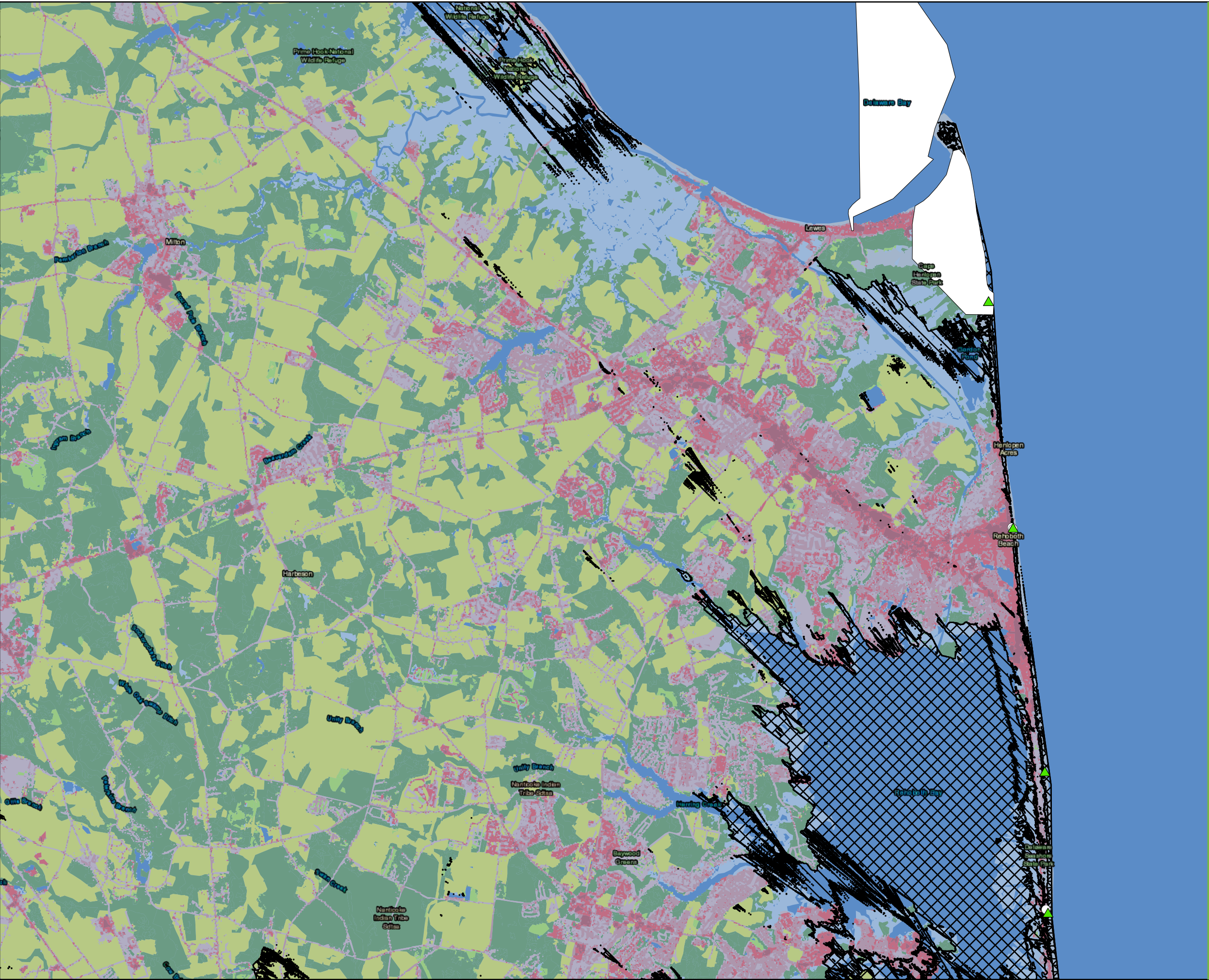
Figure 5
Sheet 3 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▨ Potential Turbine Blade Visibility (43 mi)

LSZ

- Open Water
- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

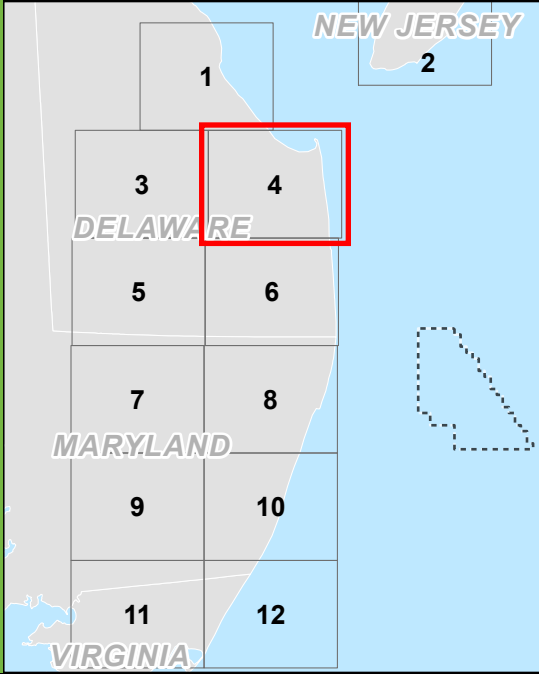0   0.5   1   2
Miles
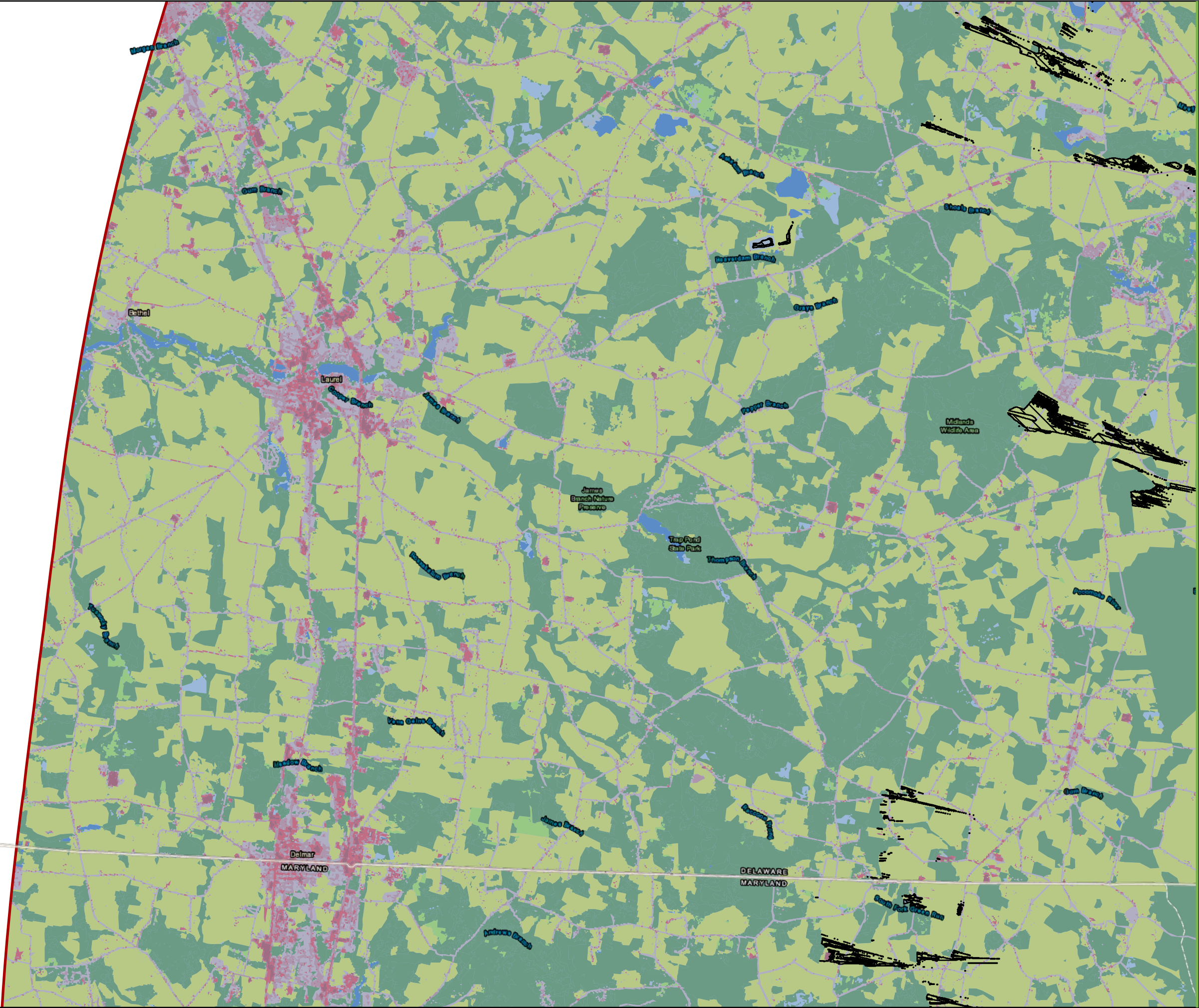
0   1   2   4
Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

TRC

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 4 of 12

Landscape Similarity Zones

Legend

- △ Selected Simulation Location
- ○ Historic Resources (point)
- ▢ Historic Resources (area)
- ▢ Potential Offshore Substation Visibility (43 mi)
- ▨ Potential Turbine Nacelle Visibility (43 mi)
- ▨ Potential Turbine Blade Visibility (43 mi)

LSZ
- Open Water

- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

Miles
0 0.5 1 2

Kilometers
0 1 2 4

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

Maryland Offshore Wind Project
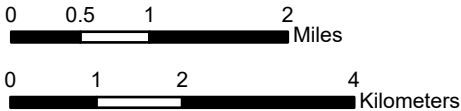Offshore Maryland and Delaware
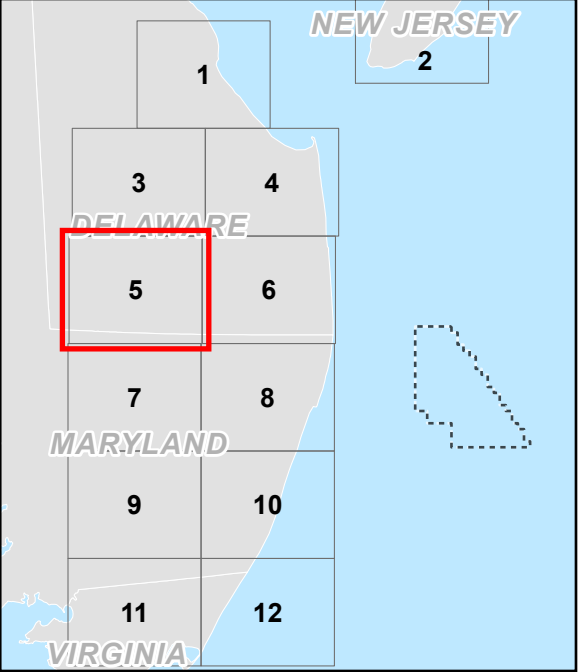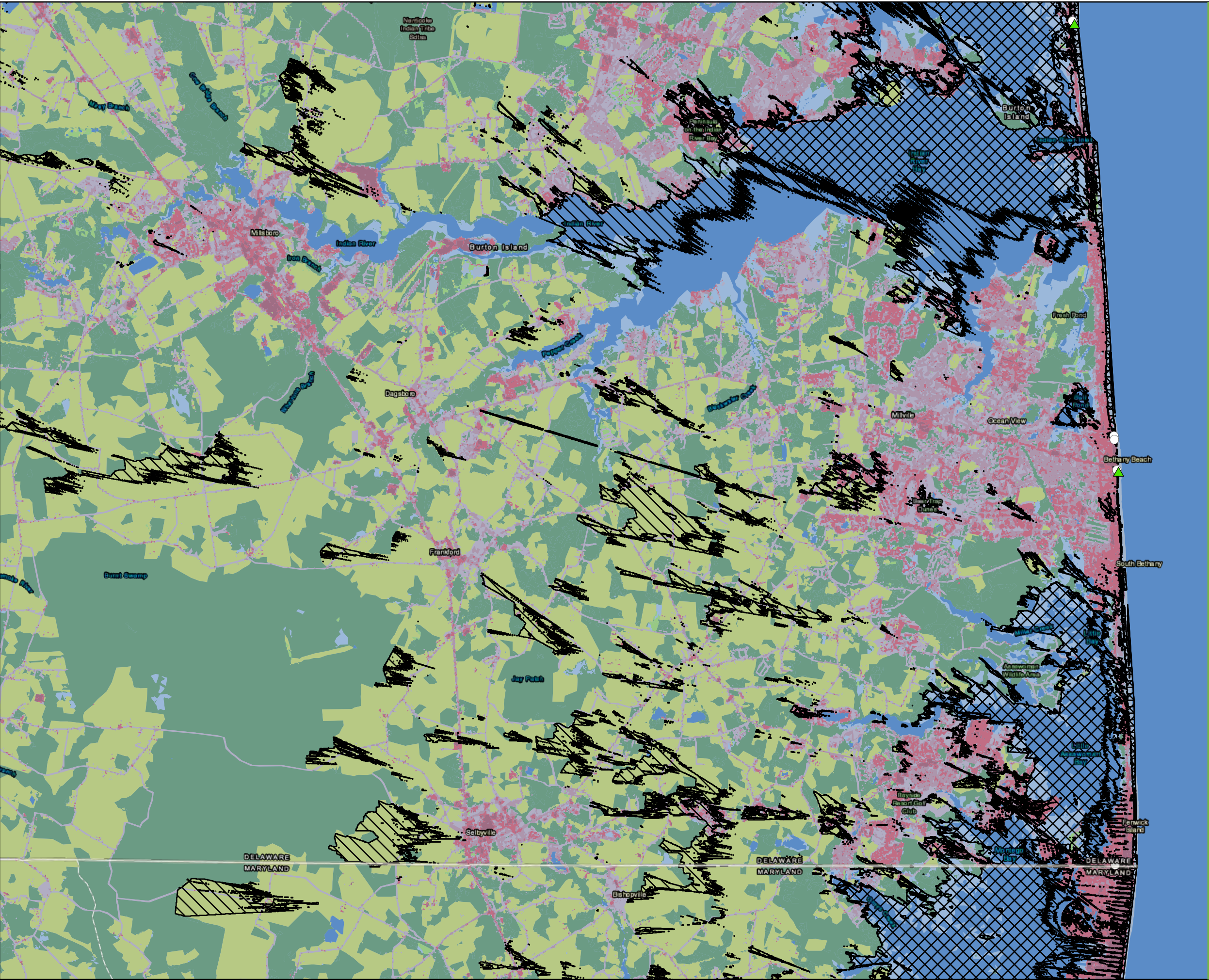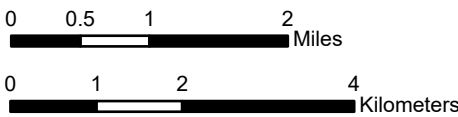
Figure 5
Sheet 5 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▧ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

LSZ

- Open Water
- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

0 0.5 1 2 Miles

0 1 2 4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

DELAWARE

MARYLAND

VIRGINIA

1	2
3	4
5	6
7	8
9	10
11	12

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 6 of 12

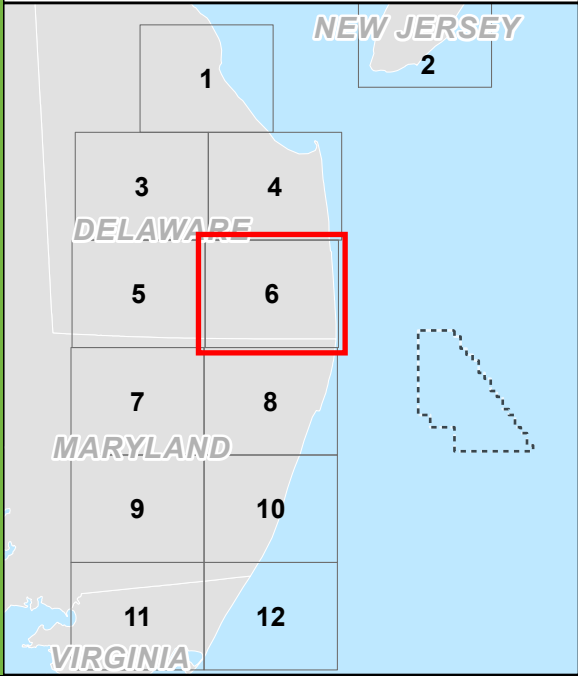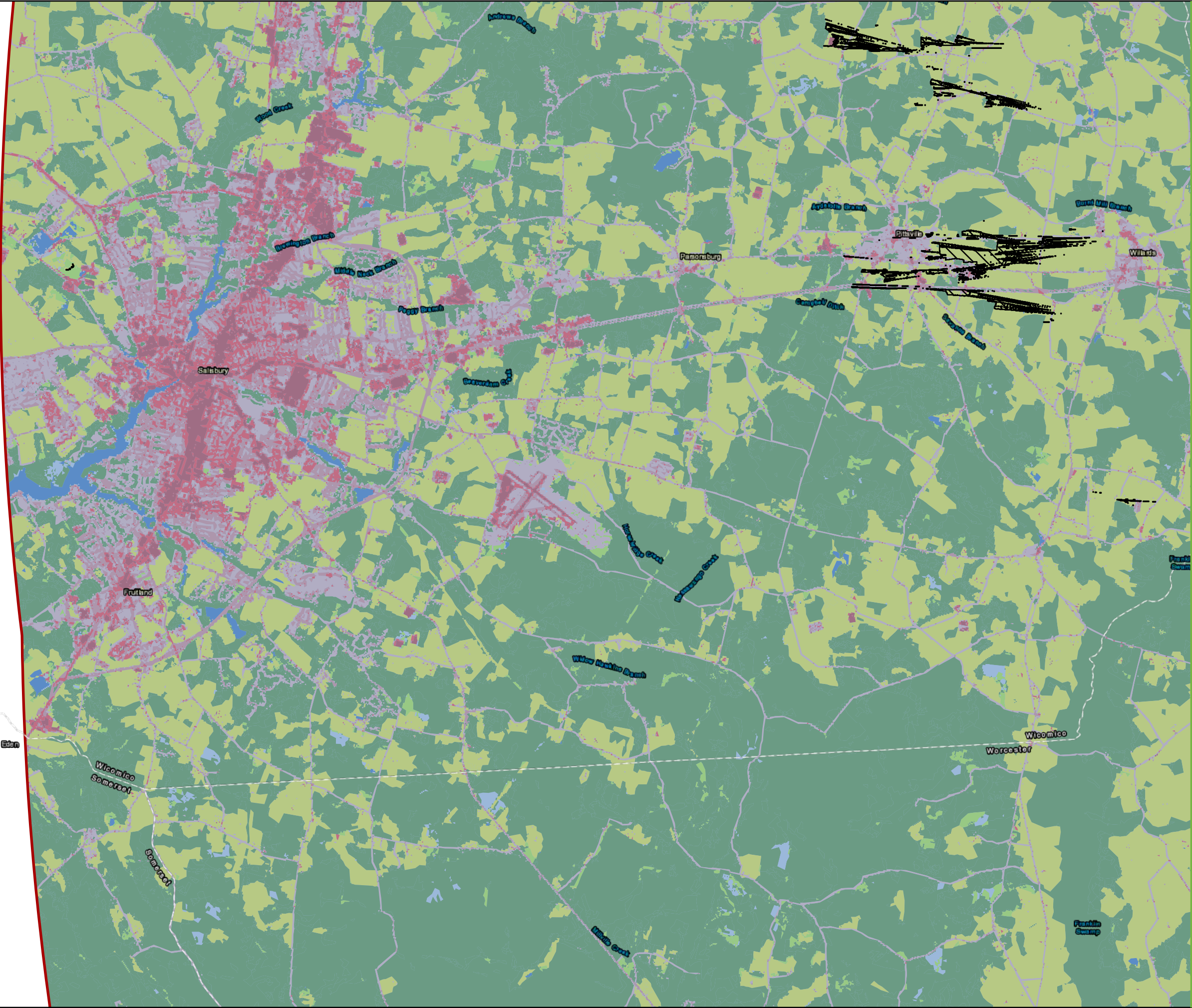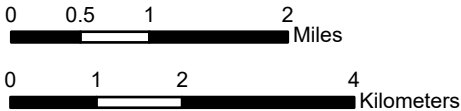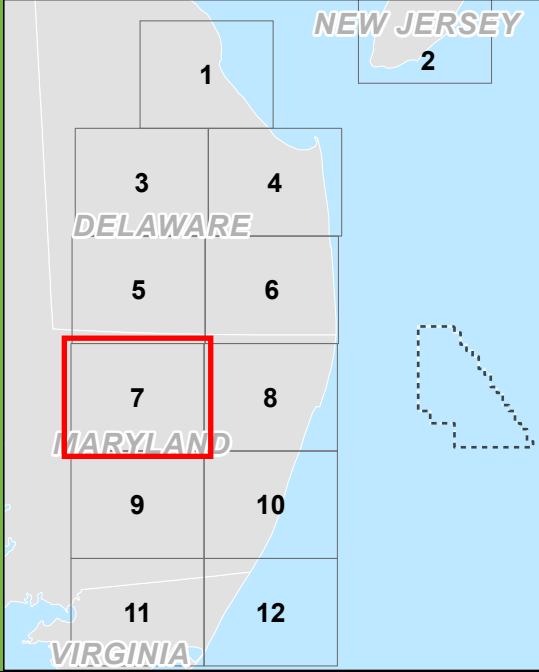**Landscape Similarity Zones**

Legend

▲ Selected Simulation Location

○ Historic Resources (point)

Potential Offshore Substation Visibility (43 mi)

Potential Turbine Nacelle Visibility (43 mi)

Potential Turbine Blade Visibility (43 mi)

LSZ

Open Water

Forest and Forested Wetlands

Agriculture

Developed, Open Space

Wetlands

Developed, Low Intensity

Developed, Medium Intensity

Developed High Intensity

Beach

Shrub/Scrub and Grasslands

0   0.5   1   2 Miles

0   1   2   4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

DELAWARE

MARYLAND

VIRGINIA

1   2   3   4   5   6   7   8   9   10   11   12

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 7 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▱ Potential Turbine Blade Visibility (43 mi)

LSZ

■ Open Water
■ Forest and Forested Wetlands
■ Agriculture
■ Developed, Open Space

■ Wetlands
■ Developed, Low Intensity
■ Developed, Medium Intensity
■ Developed High Intensity
■ Beach
■ Shrub/Scrub and Grasslands

0   0.5   1   2 Miles

0   1   2   4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 8 of 12

Landscape Similarity Zones

Legend

▲ Selected Simulation Location

☐ Historic Resources (area)

☐ Potential Offshore Substation Visibility (43 mi)

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

LSZ

▨ Open Water

■ Forest and Forested Wetlands

■ Agriculture

■ Developed, Open Space

■ Wetlands

■ Developed, Low Intensity

■ Developed, Medium Intensity

■ Developed High Intensity

■ Beach

■ Shrub/Scrub and Grasslands

0   0.5   1   2 Miles

0   1   2   4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022
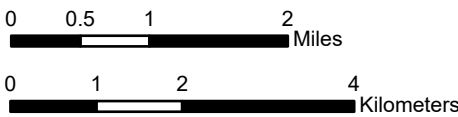
Datum: NAD 1983 UTM Zone 18N

Atlantic Ocean

TRC

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
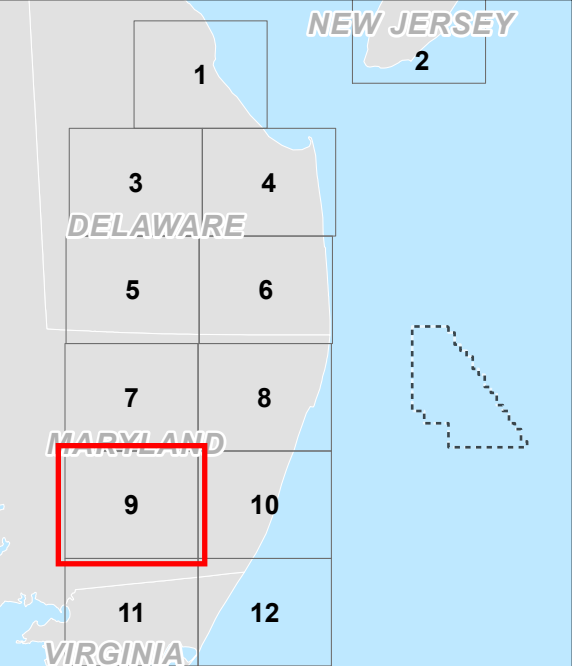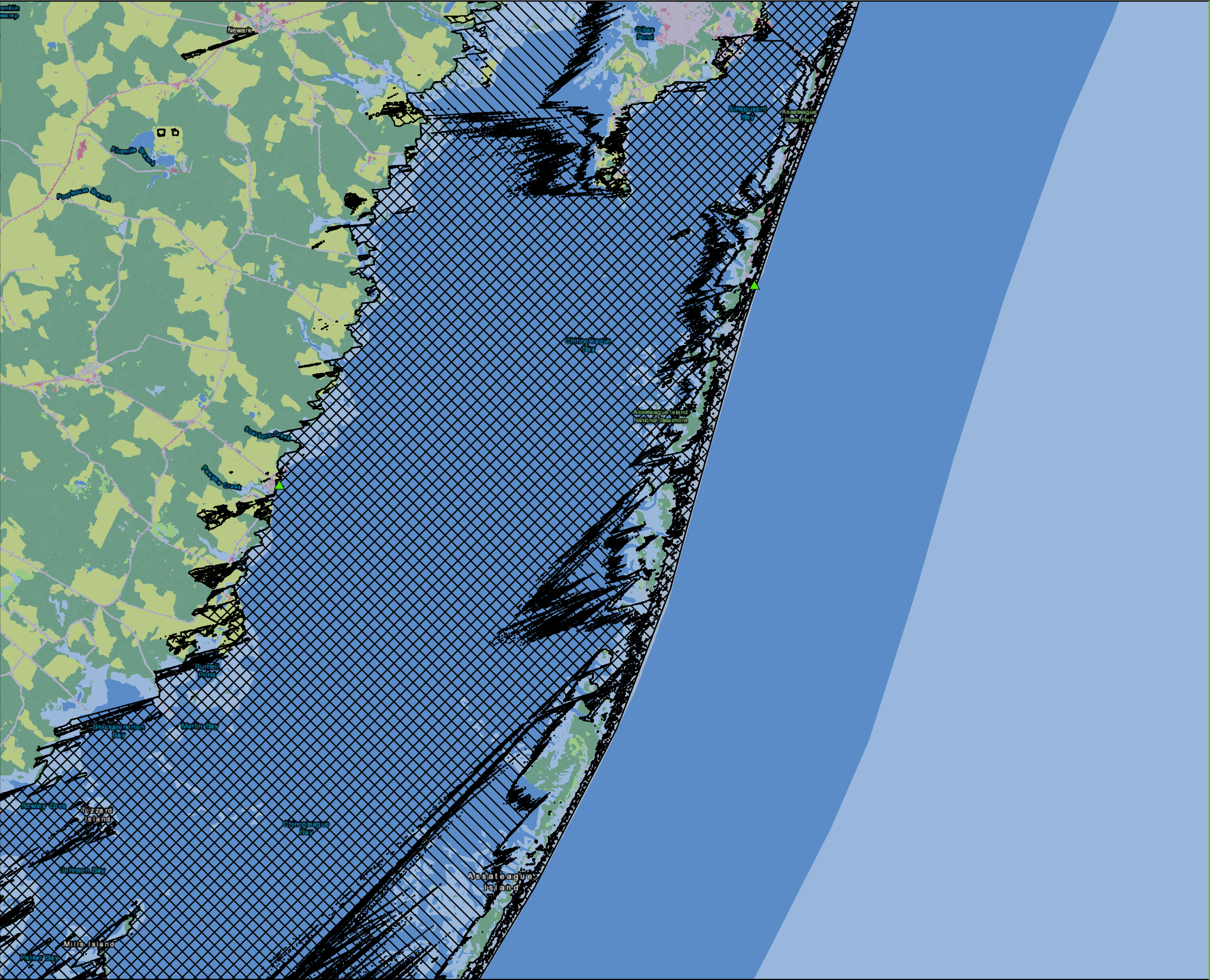Sheet 9 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

LSZ

- Open Water
- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

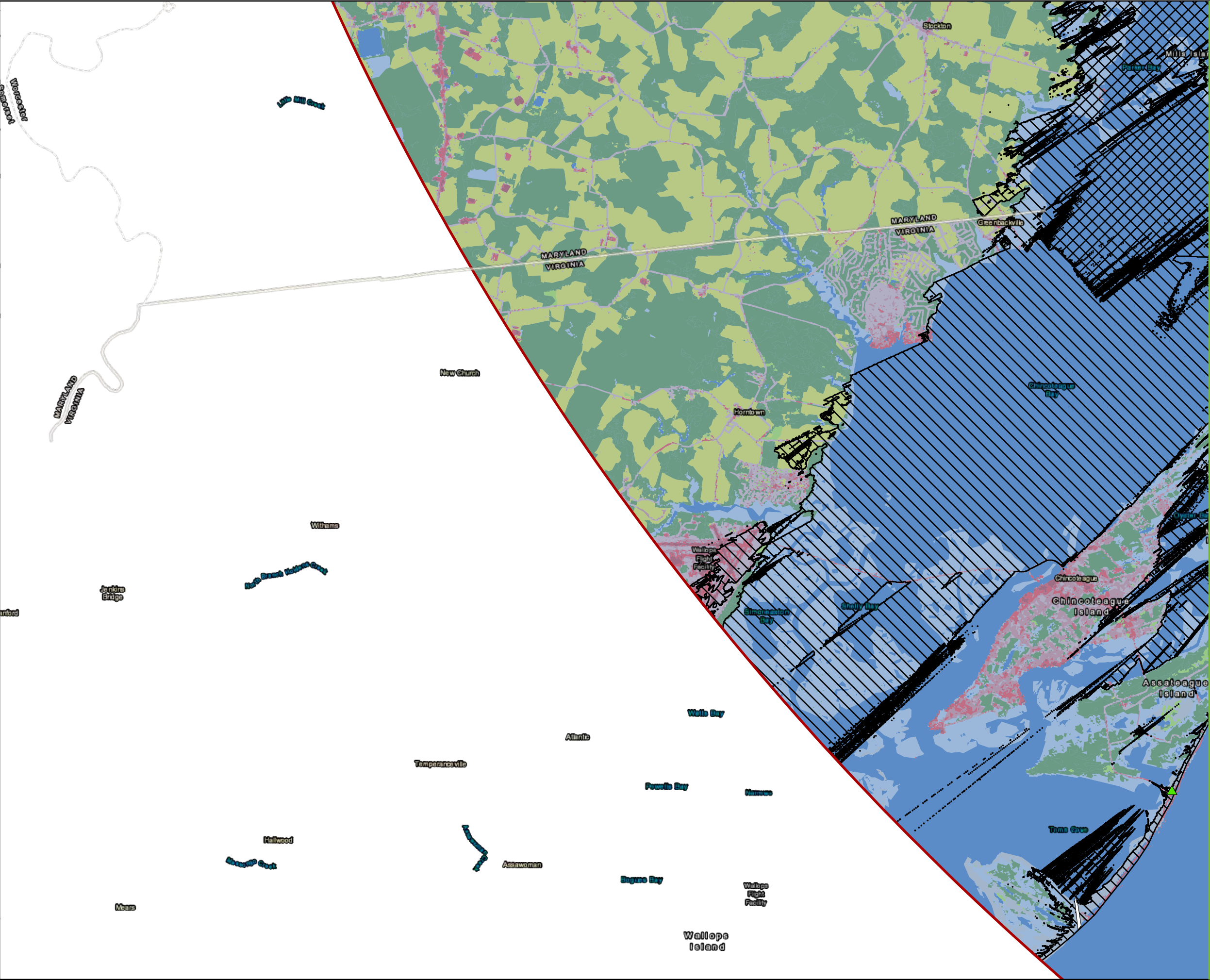0   0.5   1   2 Miles

0   1   2   4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc.,
   Historic Resources, 2022
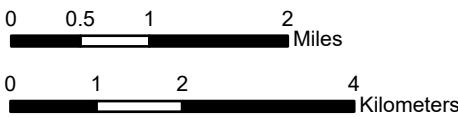
Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

DELAWARE

MARYLAND

VIRGINIA

1   2   3   4   5   6   7   8   9   10   11   12

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 10 of 12

Landscape Similarity Zones

Legend

△ Selected Simulation Location

▭ Potential Offshore Substation Visibility (43 mi)

▧ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

LSZ
- Open Water
- Forest and Forested Wetlands

- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

0   0.5   1   2
Miles

0   1   2   4
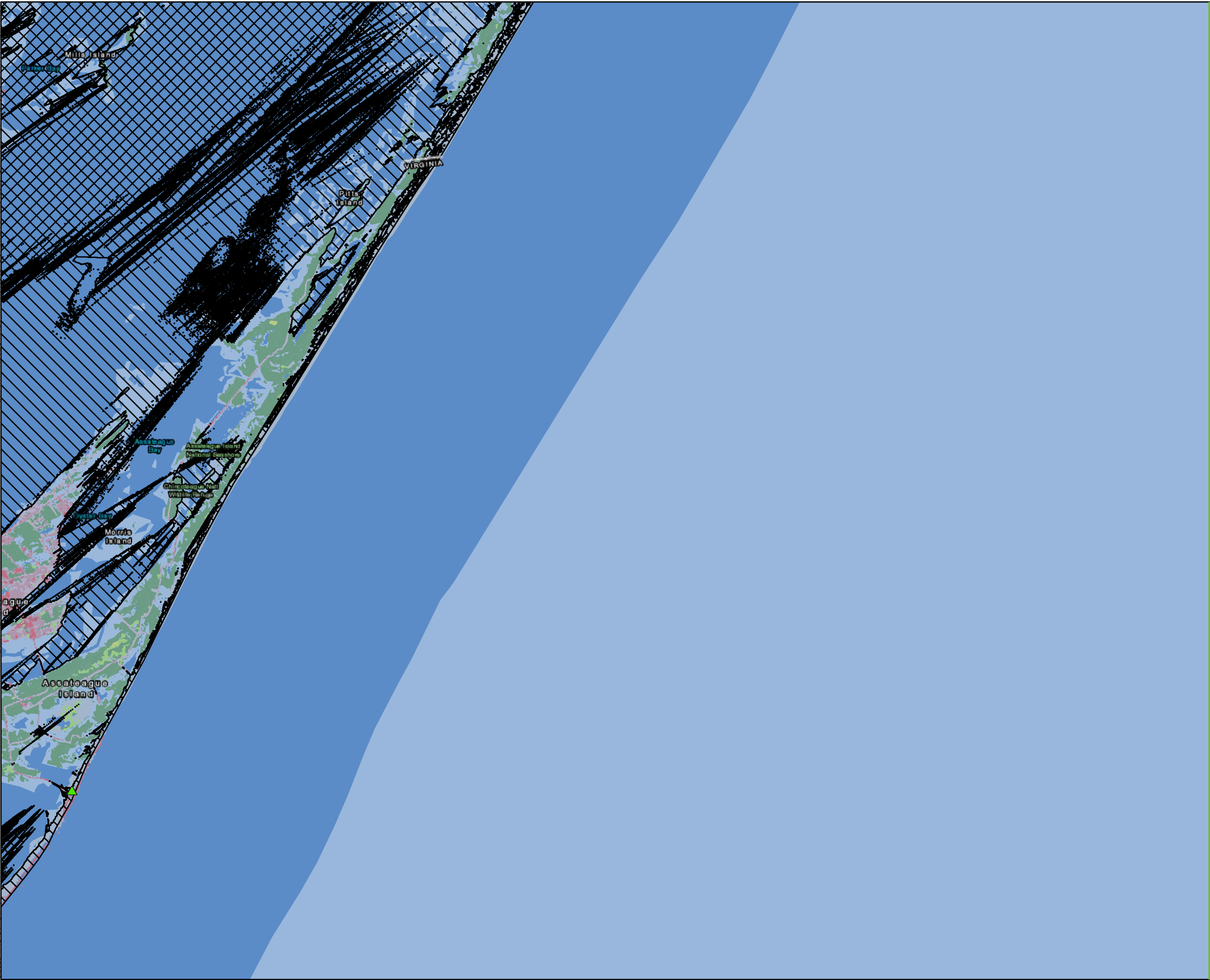Kilometers

Source: 1) BOEM, Lease Area, 2013
        2) TNC, Secured Lands, 2015
        3) DE Dept. of Agriculture, State Forests, 2021
        4) R. Christopher Goodwin & Associates, Inc.,
           Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

| 1 | | 2 |
| 3 | 4 | |
DELAWARE
| 5 | 6 | |
| 7 | 8 | |
MARYLAND
| 9 | 10 | |
| 11 | 12 | |
VIRGINIA

TRC

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 5
Sheet 11 of 12

Landscape Similarity Zones

Legend

- ▲ Selected Simulation Location
- ☐ Historic Resources (area)
- ▨ Potential Turbine Nacelle Visibility (43 mi)
- ▨ Potential Turbine Blade Visibility (43 mi)

LSZ
- Open Water
- Forest and Forested Wetlands

- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

0 0.5 1 2 Miles
0 1 2 4 Kilometers

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

Datum: NAD 1983 UTM Zone 18N

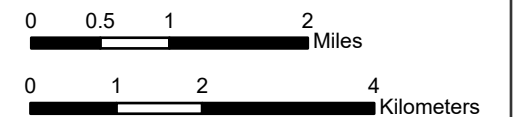**Maryland Offshore Wind Project**
Offshore Maryland and Delaware
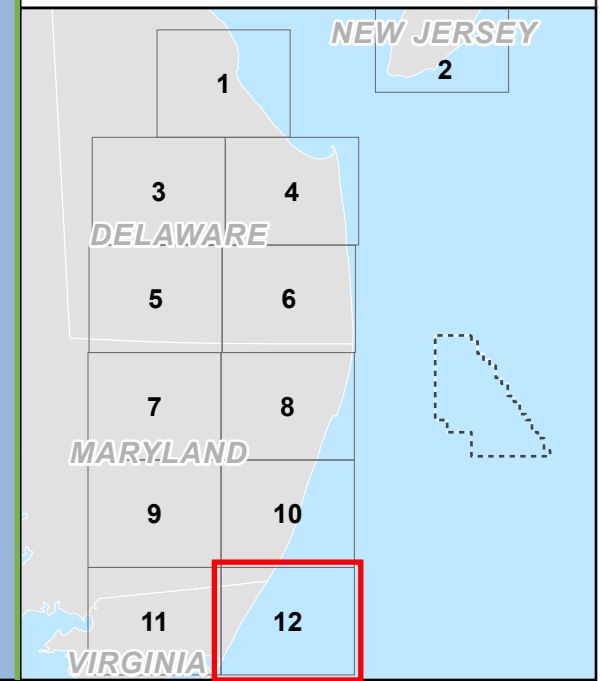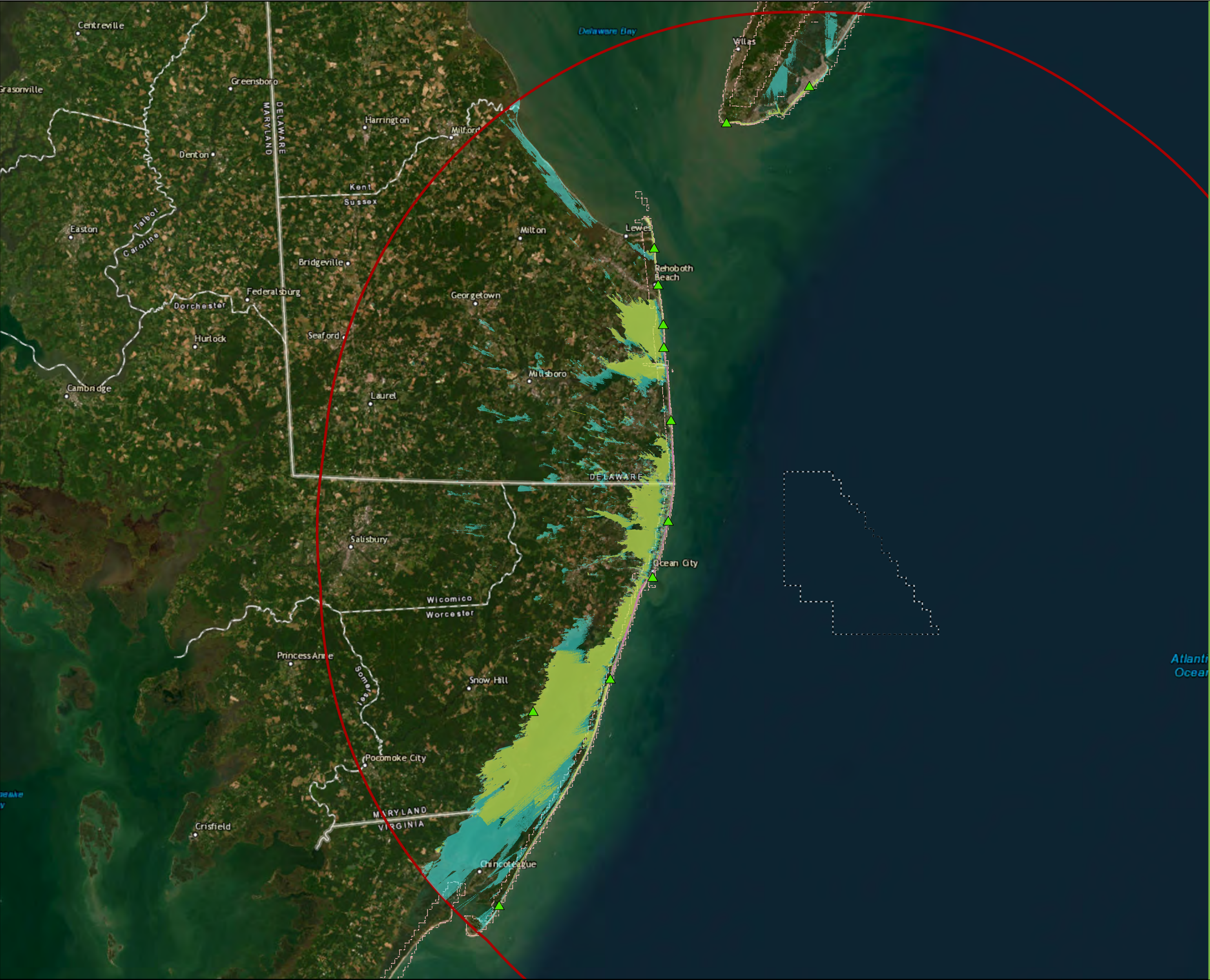
Figure 5
Sheet 12 of 12

Landscape Similarity Zones

Legend

▲ Selected Simulation Location

▱ Potential Turbine Nacelle Visibility (43 mi)

◸ Potential Turbine Blade Visibility (43 mi)

LSZ

- Open Water
- Forest and Forested Wetlands
- Agriculture
- Developed, Open Space
- Wetlands
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed High Intensity
- Beach
- Shrub/Scrub and Grasslands

Source: 1) BOEM, Lease Area, 2013
2) TNC, Secured Lands, 2015
3) DE Dept. of Agriculture, State Forests, 2021
4) R. Christopher Goodwin & Associates, Inc., Historic Resources, 2022

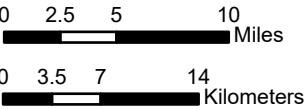Datum: NAD 1983 UTM Zone 18N

TRC

Maryland Offshore Wind Project
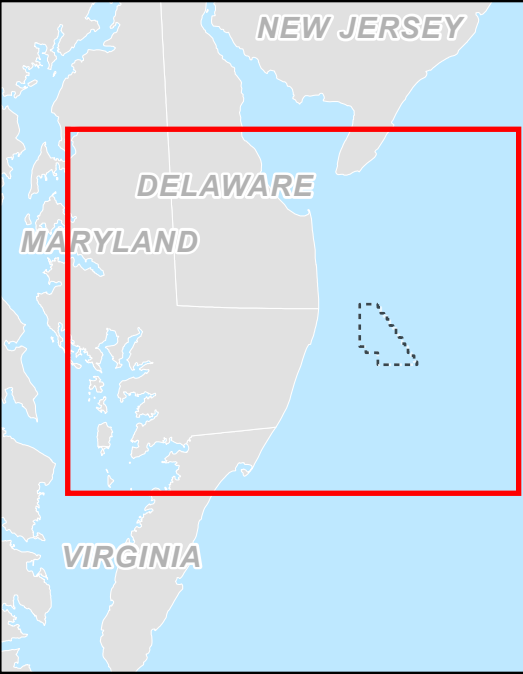Offshore Maryland and Delaware

Figure 6

Overall Project Viewshed

Legend

- - - US Wind Lease Area

▲ Selected Simulation Location

Potential Turbine Nacelle Visibility (43 mi)

Potential Turbine Blade Visibility (43 mi)

Potential Offshore Substation Visibility (43 mi)

USACE NCMP Topobathy Lidar

0   2.5   5   10
                          Miles

0   3.5   7   14
                          Kilometers

Source: 1) ESRI, Imagery, Various Dates
        2) USACE NCMP Topobathy Lidar- East Coast, 2017

Datum: NAD 1983 UTM Zone 18N

TRC

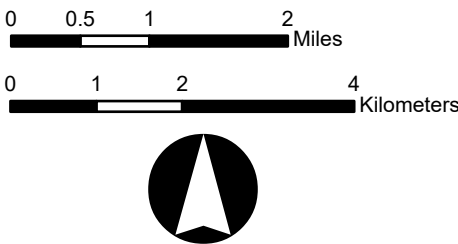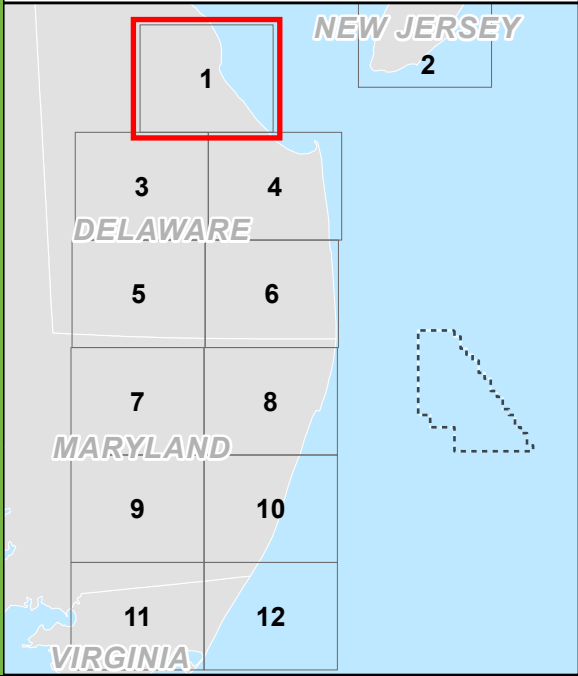**Maryland Offshore Wind Project**
Offshore Maryland and Delaware

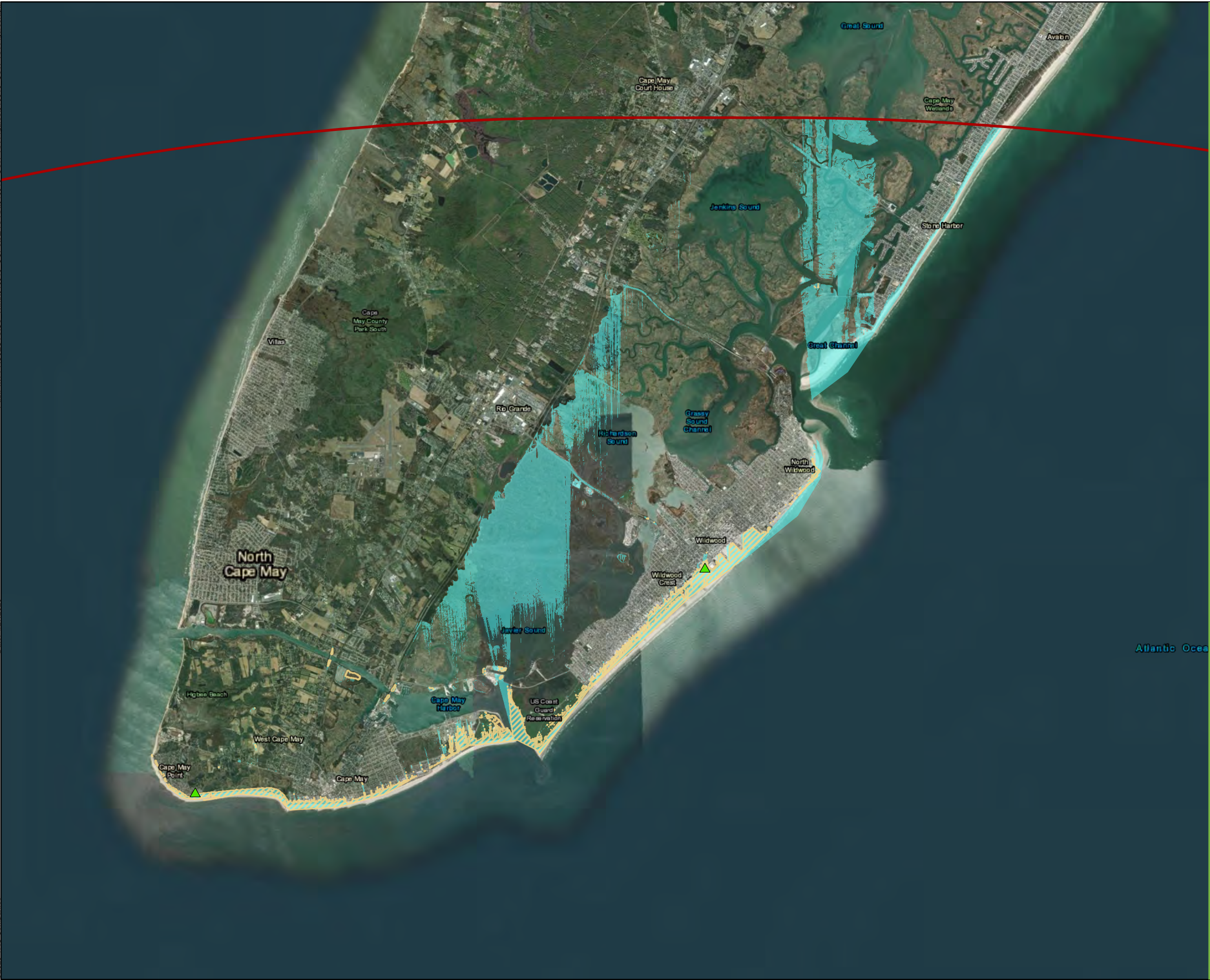**Figure 7**
Sheet 1 of 12

Project Viewshed

Legend

43-Mile Visual Study Area

Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2
Miles

0   1   2   4
Kilometers

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

1   2

DELAWARE

3   4

5   6

7   8

MARYLAND

9   10

11   12

VIRGINIA

TRC

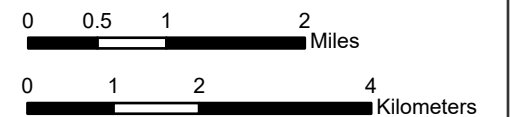**Maryland Offshore Wind Project**
Offshore Maryland and Delaware
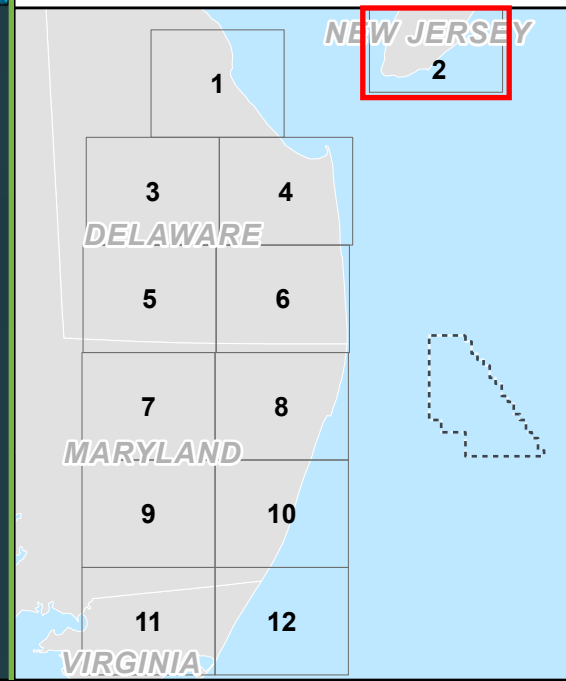
Figure 7
Sheet 2 of 12

Project Viewshed

Legend

☐ 43-Mile Visual Study Area

▲ Selected Simulation Location

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2 Miles

0   1   2   4 Kilometers

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

| 1 | | 2 |
| 3 | 4 |
DELAWARE
| 5 | 6 |
| 7 | 8 |
MARYLAND
| 9 | 10 |
| 11 | 12 |
VIRGINIA

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 3 of 12

Project Viewshed

Legend

43-Mile Visual Study Area

Potential Turbine Blade Visibility (43 mi)

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

TRC

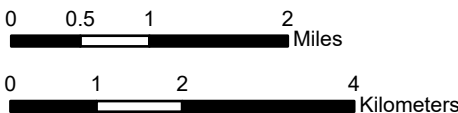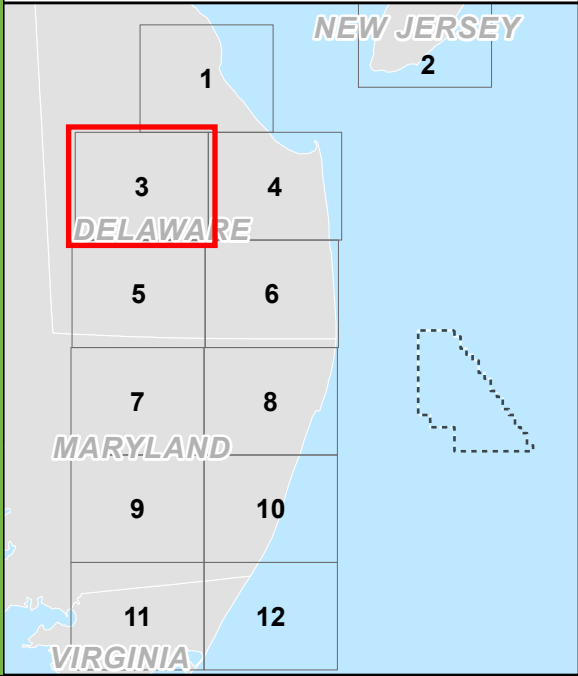**Maryland Offshore Wind Project**
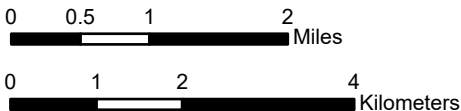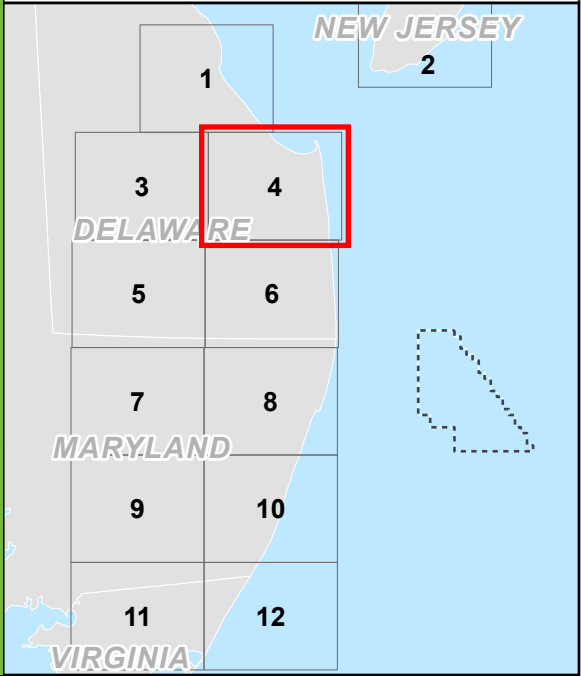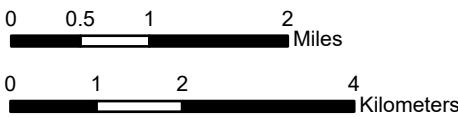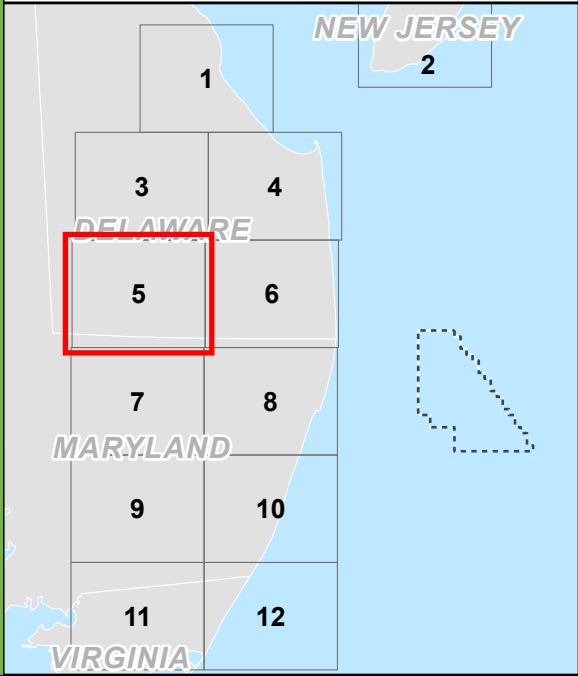Offshore Maryland and Delaware

Figure 7
Sheet 4 of 12

Project Viewshed

Legend

▭ 43-Mile Visual Study Area

▲ Selected Simulation Location

▢ Potential Offshore Substation Visibility (43 mi)

▢ Potential Turbine Nacelle Visibility (43 mi)

▢ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2
Miles

0   1   2   4
Kilometers

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

TRC

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 5 of 12

Project Viewshed

Legend

☐ 43-Mile Visual Study Area

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2
Miles

0   1   2   4
Kilometers

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

1   2

3   4

DELAWARE

5   6

7   8

MARYLAND

9   10

11   12

VIRGINIA

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 6 of 12

Project Viewshed

Legend

◻ 43-Mile Visual Study Area

▲ Selected Simulation Location

▢ Potential Offshore Substation Visibility (43 mi)

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

Source: 1) ESRI, Imagery, Various Dates
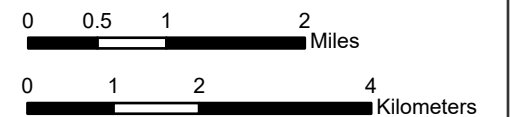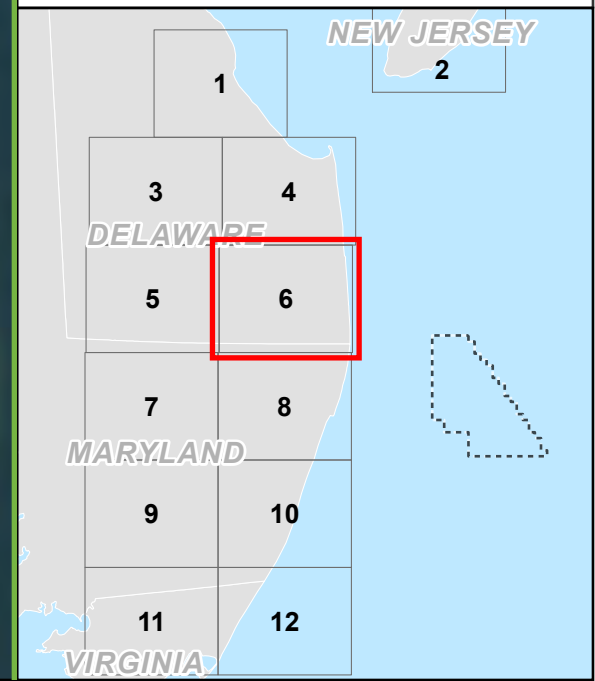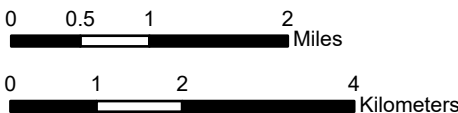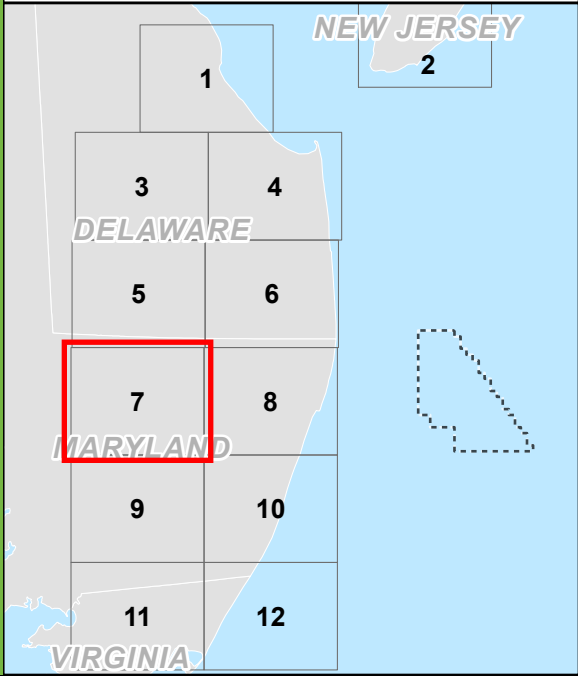
Datum: NAD 1983 UTM Zone 18N

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 7 of 12

Project Viewshed

Legend

☐ 43-Mile Visual Study Area

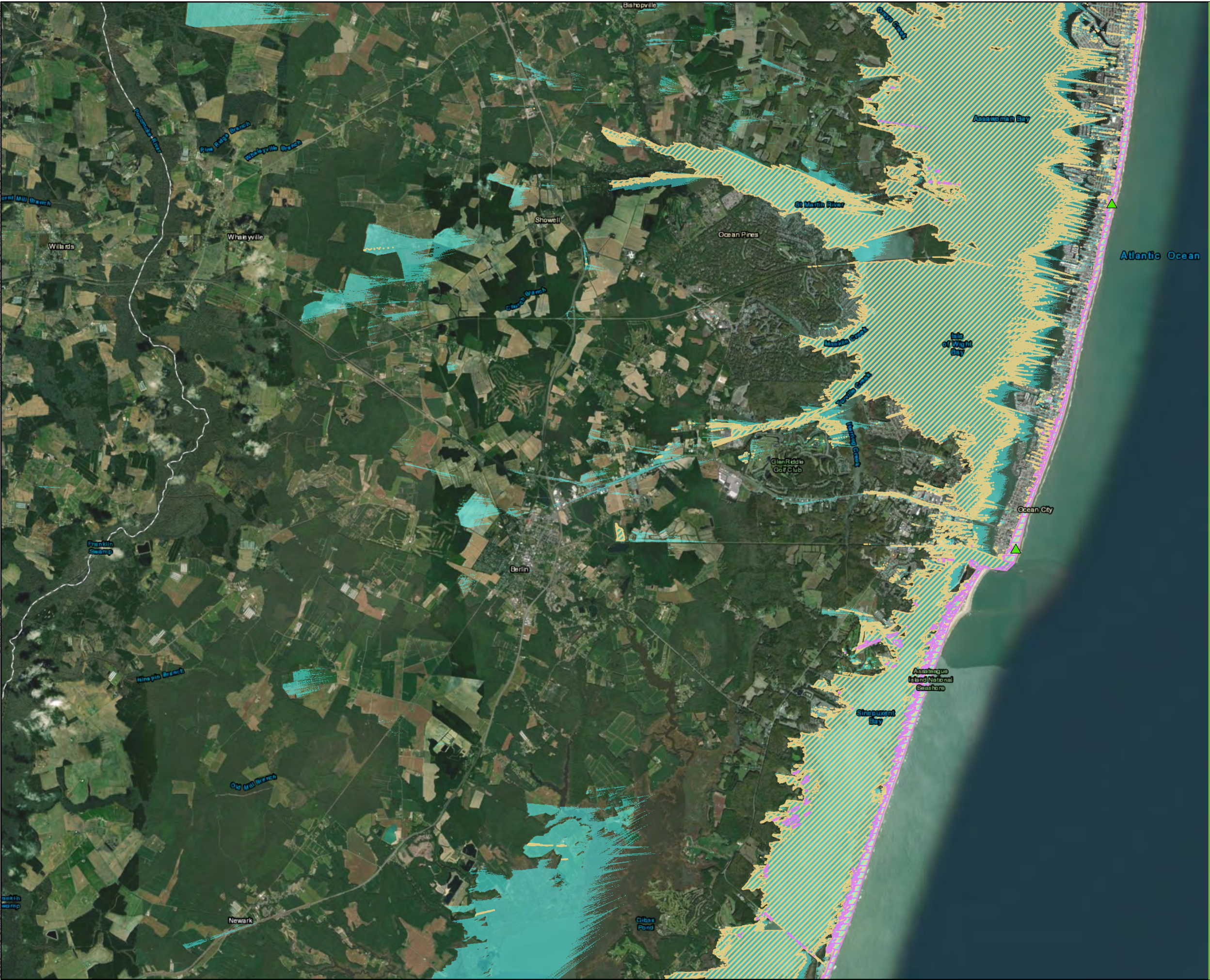▨ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2
Miles

0   1   2   4
Kilometers

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

TRC

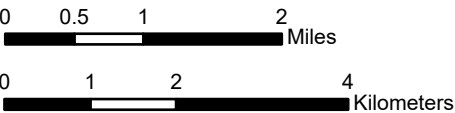**Maryland Offshore Wind Project**
Offshore Maryland and Delaware

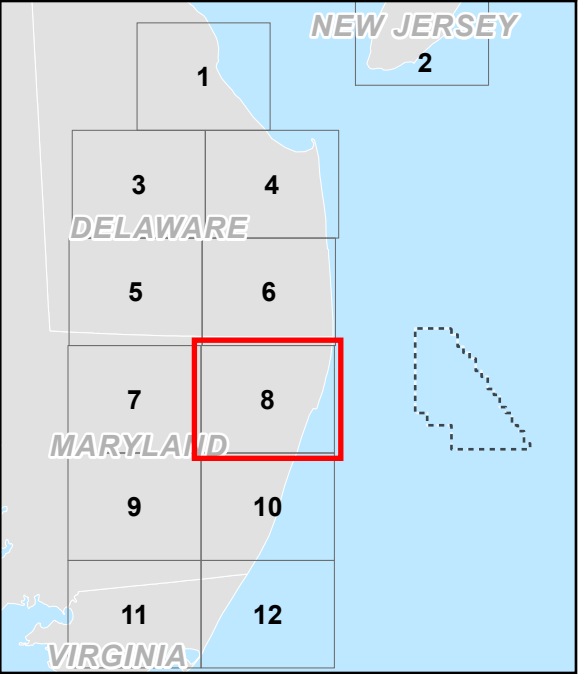**Figure 7**
Sheet 8 of 12

Project Viewshed

Legend

▭ 43-Mile Visual Study Area

▲ Selected Simulation Location

▭ Potential Offshore Substation Visibility (43 mi)

▨ Potential Turbine Nacelle Visibility (43 mi)
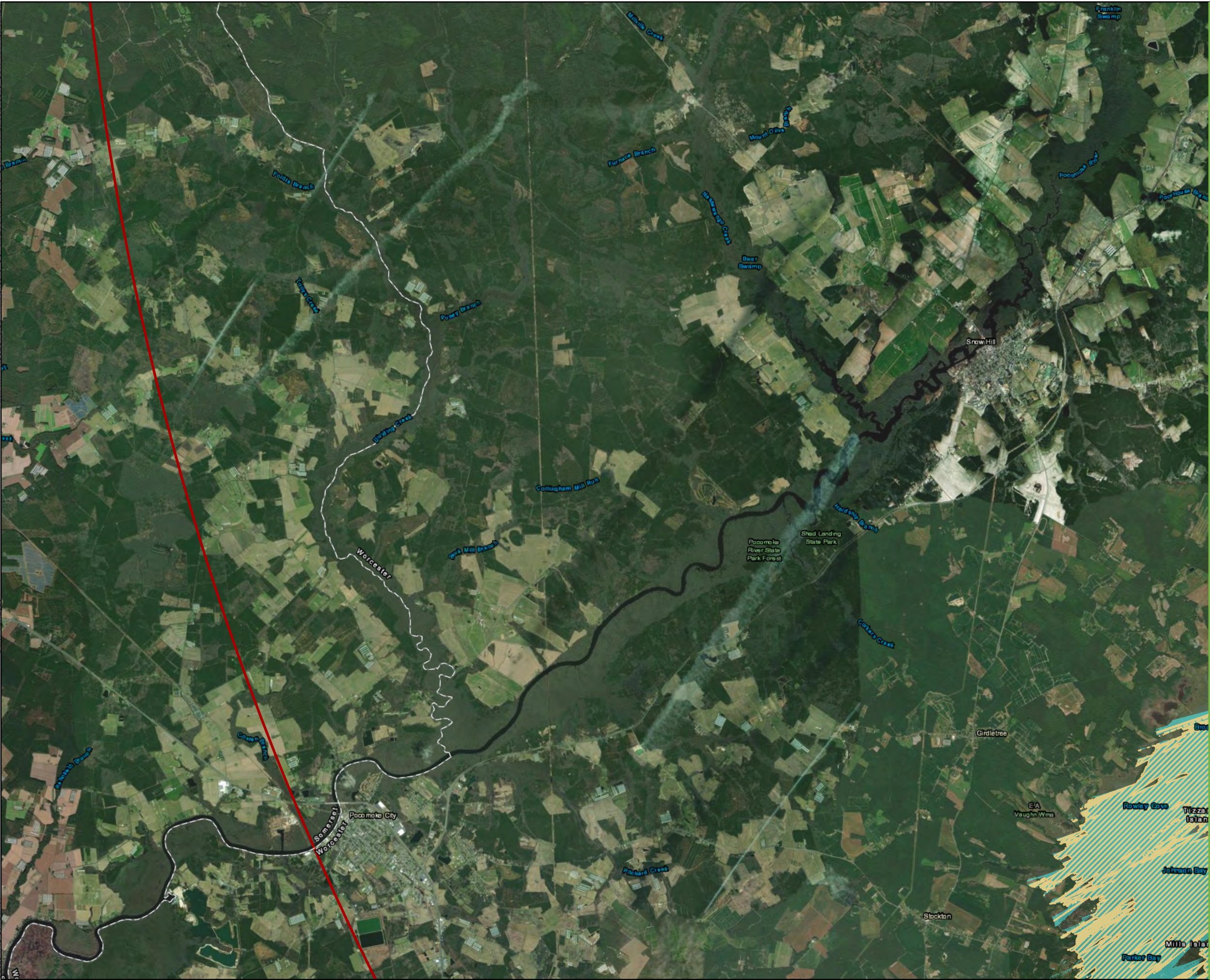
▨ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2
Miles

0   1   2   4
Kilometers

NEW JERSEY		2
1		
3	4	
DELAWARE		
5	6	
7	8	
MARYLAND		
9	10	
11	12	
VIRGINIA		

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 9 of 12

Project Viewshed

Legend

43-Mile Visual Study Area

Potential Turbine Nacelle Visibility (43 mi)

Potential Turbine Blade Visibility (43 mi)

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

TRC
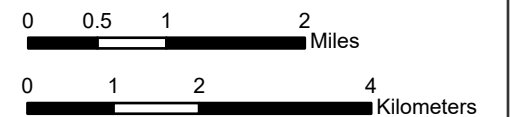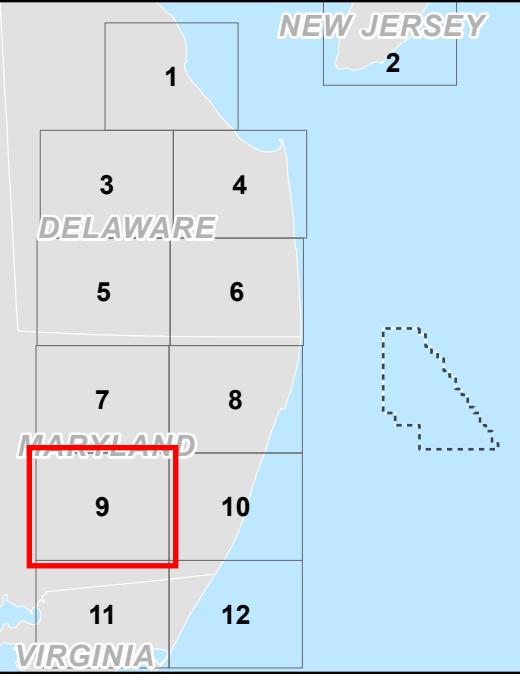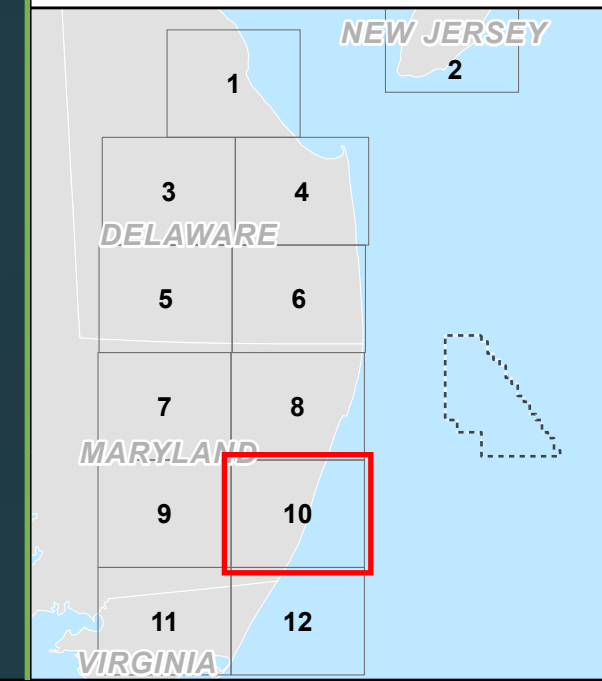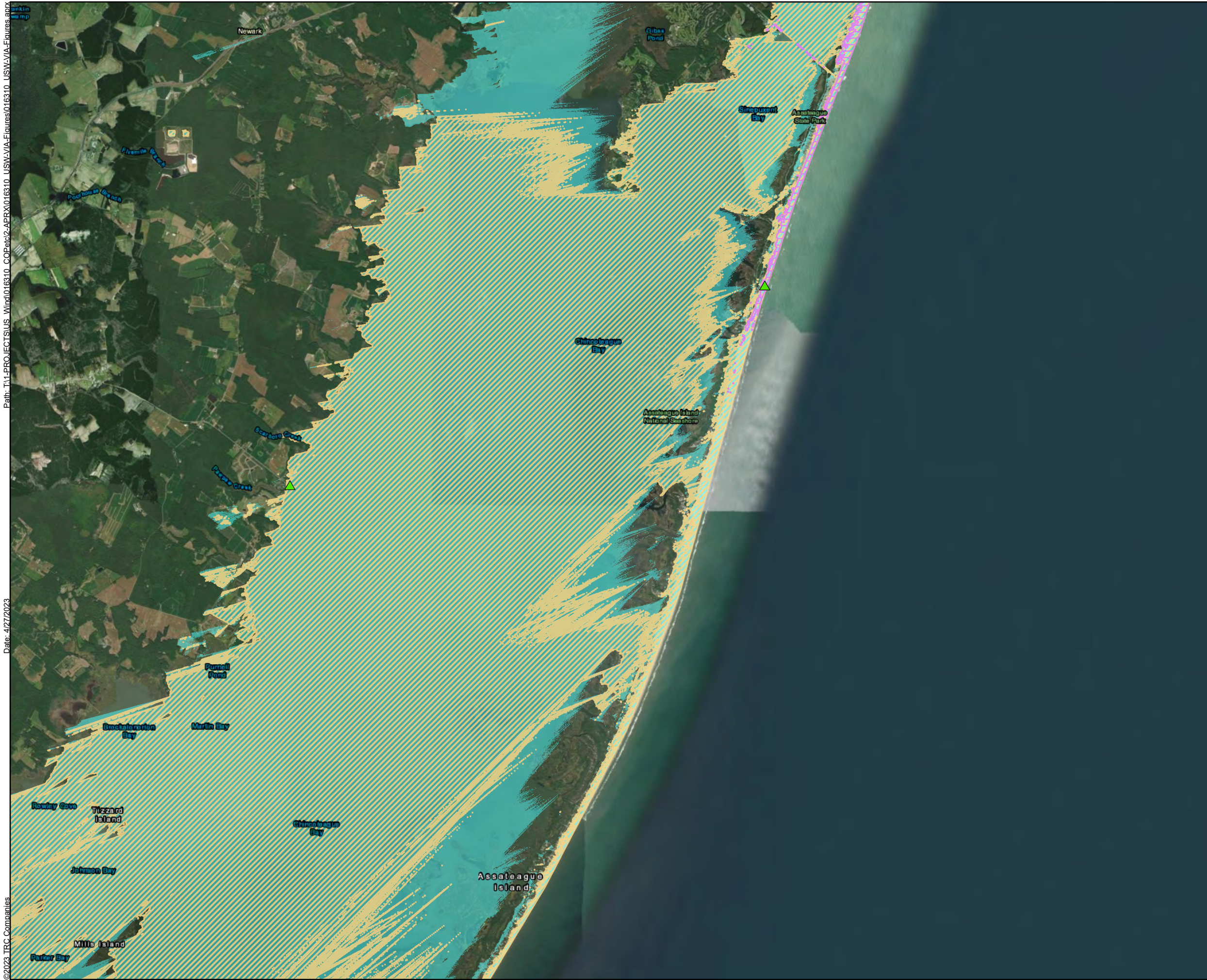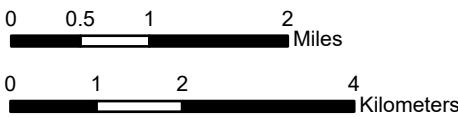
Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 10 of 12

Project Viewshed

Legend

☐ 43-Mile Visual Study Area

▲ Selected Simulation Location

▦ Potential Offshore Substation Visibility (43 mi)

▨ Potential Turbine Nacelle Visibility (43 mi)

▨ Potential Turbine Blade Visibility (43 mi)

0   0.5   1   2 Miles

0   1   2   4 Kilometers

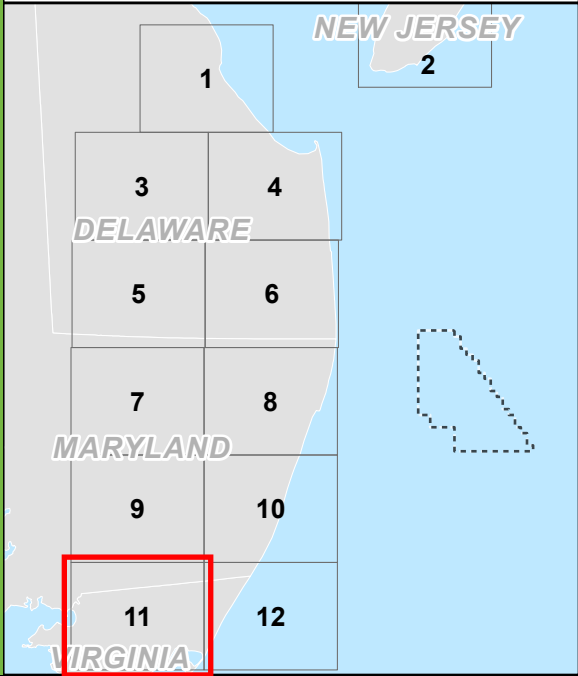Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

Maryland Offshore Wind Project
Offshore Maryland and Delaware

Figure 7
Sheet 11 of 12

Project Viewshed

Legend

- 43-Mile Visual Study Area
- △ Selected Simulation Location
- Potential Turbine Nacelle Visibility (43 mi)
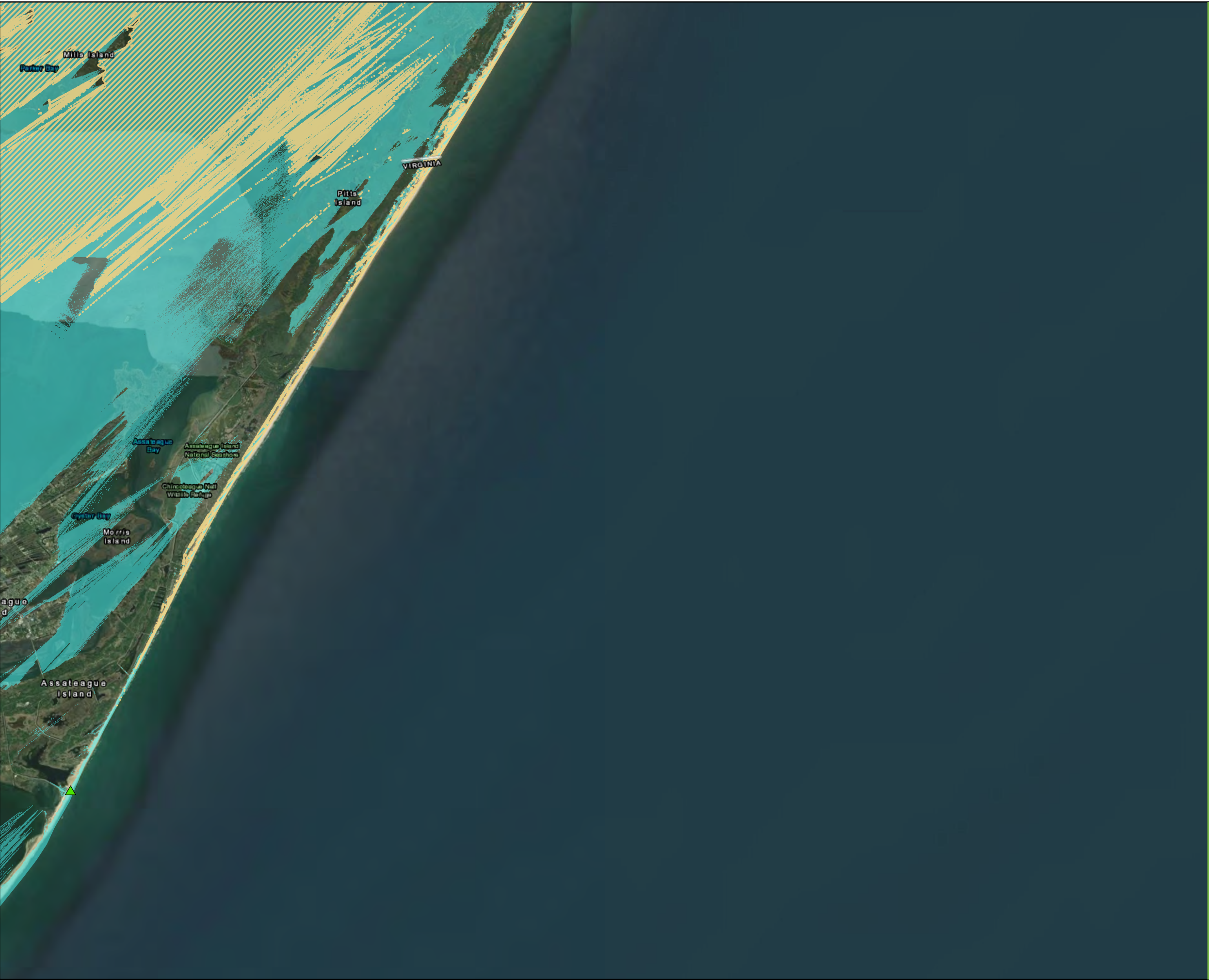- Potential Turbine Blade Visibility (43 mi)

Source: 1) ESRI, Imagery, Various Dates

Datum: NAD 1983 UTM Zone 18N

VIRGINIA

Mills Island

Parker Bay

Pitts Island

Assateague Bay

Assateague Island National Seashore

Chincoteague Natl Wildlife Refuge

Oyster Bay

Morris Island

Assateague Island

TRC

Maryland Offshore Wind Project

Offshore Maryland and Delaware

Figure 7

Sheet 12 of 12

Project Viewshed

Legend

☐ 43-Mile Visual Study Area

▲ Selected Simulation Location

▨ Potential Turbine Nacelle Visibility (43 mi)
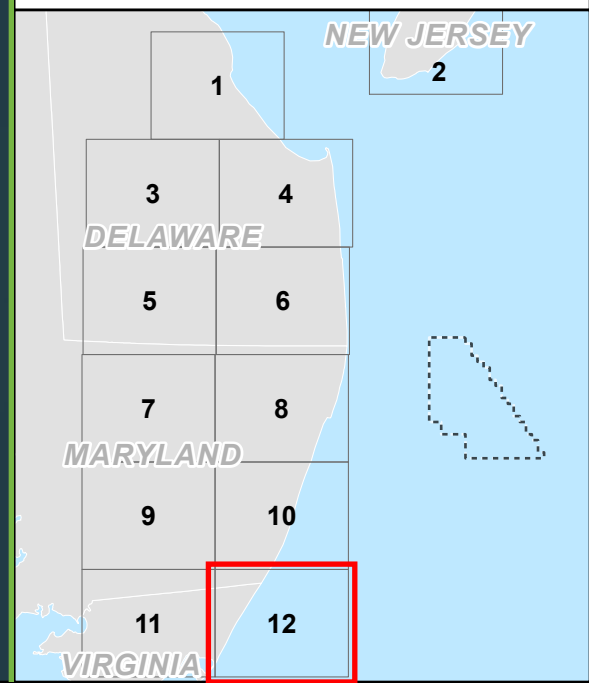
▨ Potential Turbine Blade Visibility (43 mi)
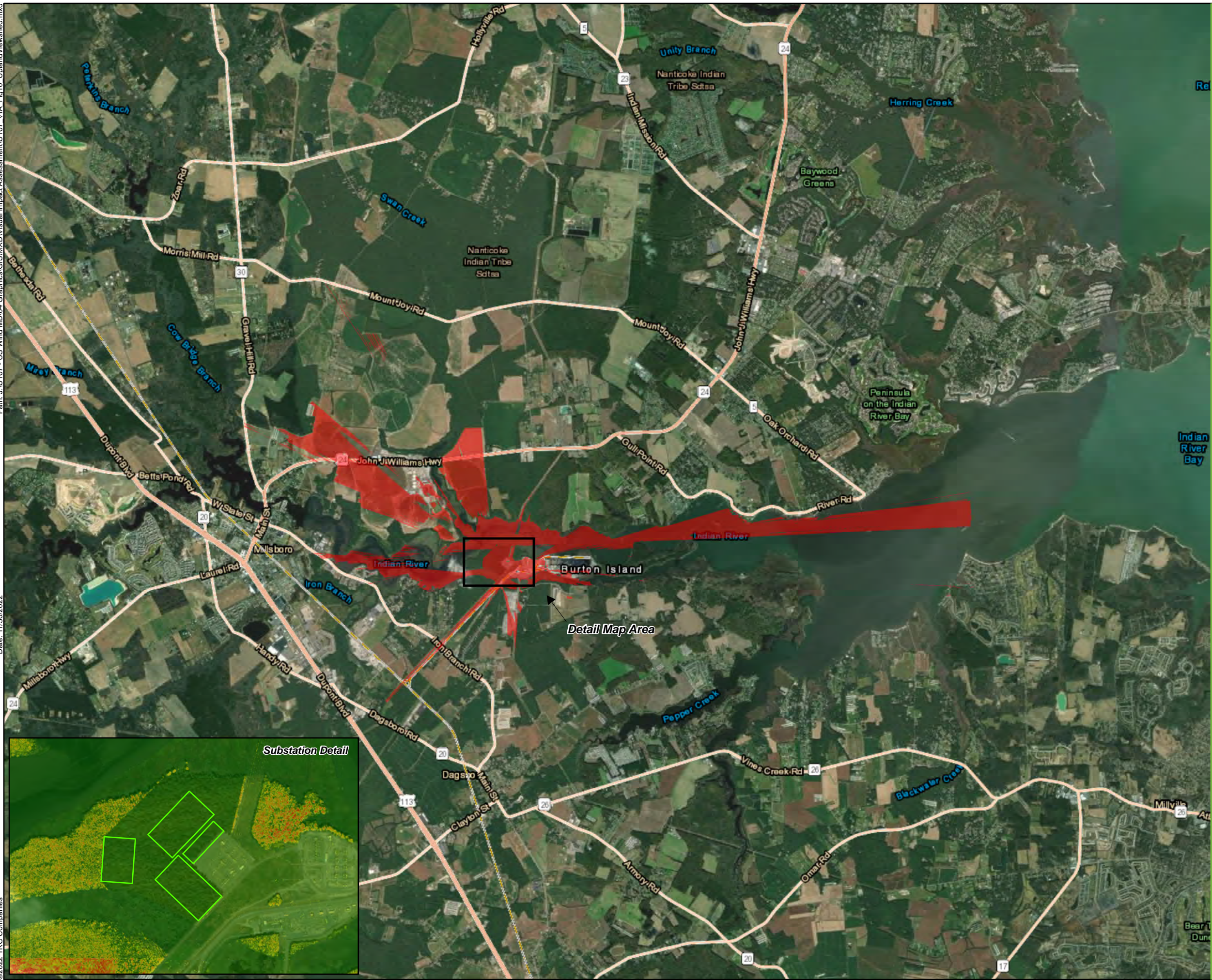
0   0.5   1   2
Miles

0   1   2   4
Kilometers

Source: 1) ESRI, Imagery, Various Dates
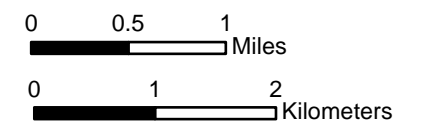
Datum: NAD 1983 UTM Zone 18N

NEW JERSEY

1

2

3   4

DELAWARE

5   6

7   8

MARYLAND

9   10

11   12

VIRGINIA

Detail Map Area

Substation Detail