STEPS FOR SCOUTING/SCREENING IN ARCGIS ONLINE

These procedures exist as a resource for how to use the Screening Map in ArcGIS Online to scout/screen potential customer locations across the continental US.

A summary of the steps is included first as a refresher for those already familiar with the process, a detailed version of the steps follows, and some example images can be found at the end for those who are new to the screening process.

QUICK HITS VERSION

1. Go to https://oneenergy.maps.arcgis.com
2. Open the "Screening Map"
3. Use the layers on the map and the measure tool to find information needed for screenings:
    a. Wind resource (Wind Speed Avg 80m)
        i. We record a 0.5 m/s range
    b. Land availability (Critical Habitat Areas, Flood Hazard Areas, Wetlands, USA Federal Lands)
        i. We record Yes, No, or Limited
    c. Airport Clearances (Airports, Buffers of Helipads and Heliports, Buffers of Runways and Airports, Special Use Airspace, NEXRAD No-Build Zone, NEXRAD Mitigation Zone)
        i. We record Clear, Not Clear, or Possible/Filing Necessary
    d. Elevation (Ground Surface Elevation)
        i. We record one value in meters
    e. Lat/Long (Measure tool)
   i. We record in DMS (Degrees Minutes Seconds)

DETAILED STEPS

1. Go to https://oneenergy.maps.arcgis.com
2. Log-in using the *scouting_oneenergy* username (email IT@ if you need the password)
3. Open the "Screening Map" to find all screening information
4. Use the layers on the map to find information using the "Legend" and "Content" tabs
    a. Content: turn layers on and off (layers that are grayed out are not visible at your current zoom level)
    b. Legend: view symbology (color, shape, etc) of the layers that are currently turned on and visible at your zoom level
5. Click on a spot on the map to see more info for the layers that are there. Use the arrows at the top of the pop-up to view the info for each layer.

6. Find information needed for scouting (example images at the end):
    a. Wind resource
        i. Turn on the "Wind Speed Avg 80m" layer
        ii. Use the Legend to match the color to the WS range
        iii. We record a 0.5 m/s range (ex: 4-4.5 m/s)

b. Land availability (is there open land next to the facility where turbines could be built, free of buildings and other setbacks)
  i. Turn on the "Critical Habitat Areas", "Flood Hazard Areas", "Wetlands", and "USA Federal Lands" layers
  ii. Any land covered by at least one of these 4 layers is not suitable for turbine siting
  iii. We record Yes (lots of open space), No (totally surrounded by other buildings or setbacks), or Limited (some open space near facility)
c. Airport clearances (are there airports, special use airspace, or NEXRAD stations too close to the site)
  i. Turn on the "Airports", "Buffers of Helipads and Heliports", "Buffers of Runways and Airports", "Special Use Airspace", "NEXRAD No-Build Zone", and "NEXRAD Mitigation Zone" layers
  ii. Click on any buffers, airspace, or zones overlapping the land you are analyzing to view more info
  iii. We record Clear (no buffers nearby), Not Clear (totally covered by buffer), or Possible (on edge of buffer or partially covered by buffer)
d. Elevation
  i. Turn on the "Ground Surface Elevation" layer
  ii. Click on a possible turbine location to view the pop-up
  iii. We record in meters
e. Location coordinates
  i. Use the "Measure" tool (see below image)
  ii. Click on a possible turbine location to freeze coordinates (after clicking on a point, the Lat/Long of that point will appear in the row with the circle)
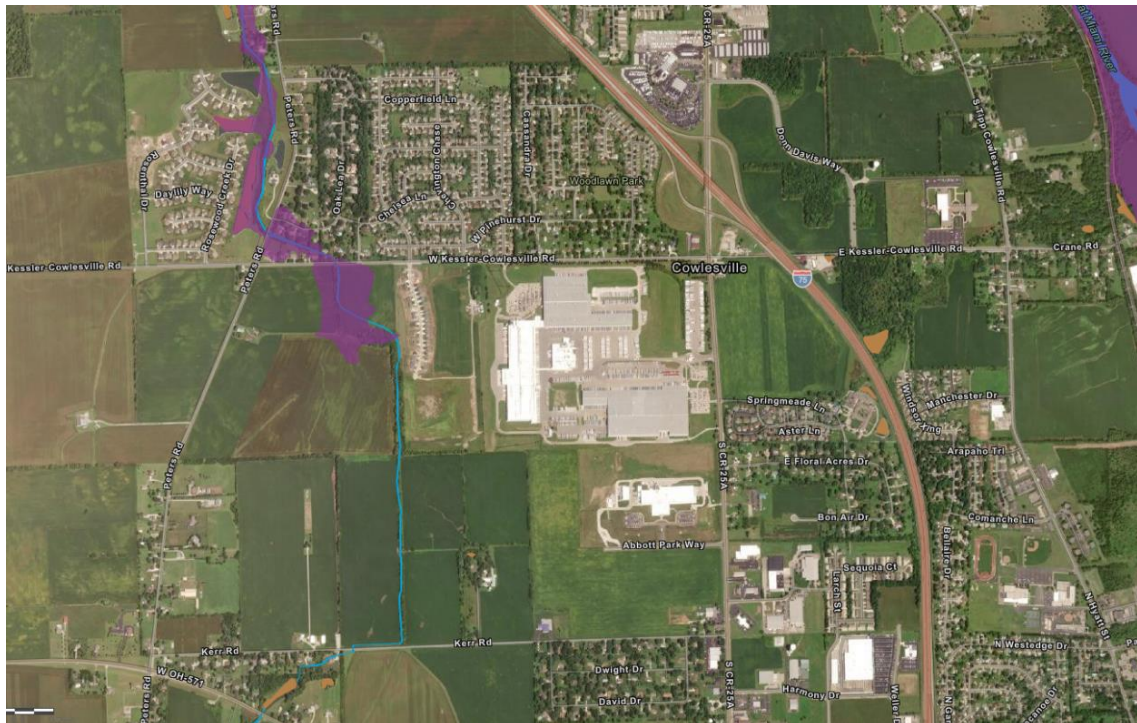 iii. We record in DMS (Degrees Minutes Seconds)
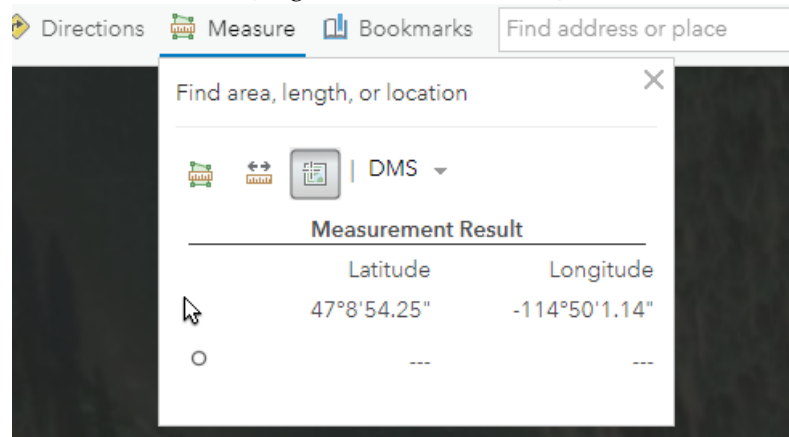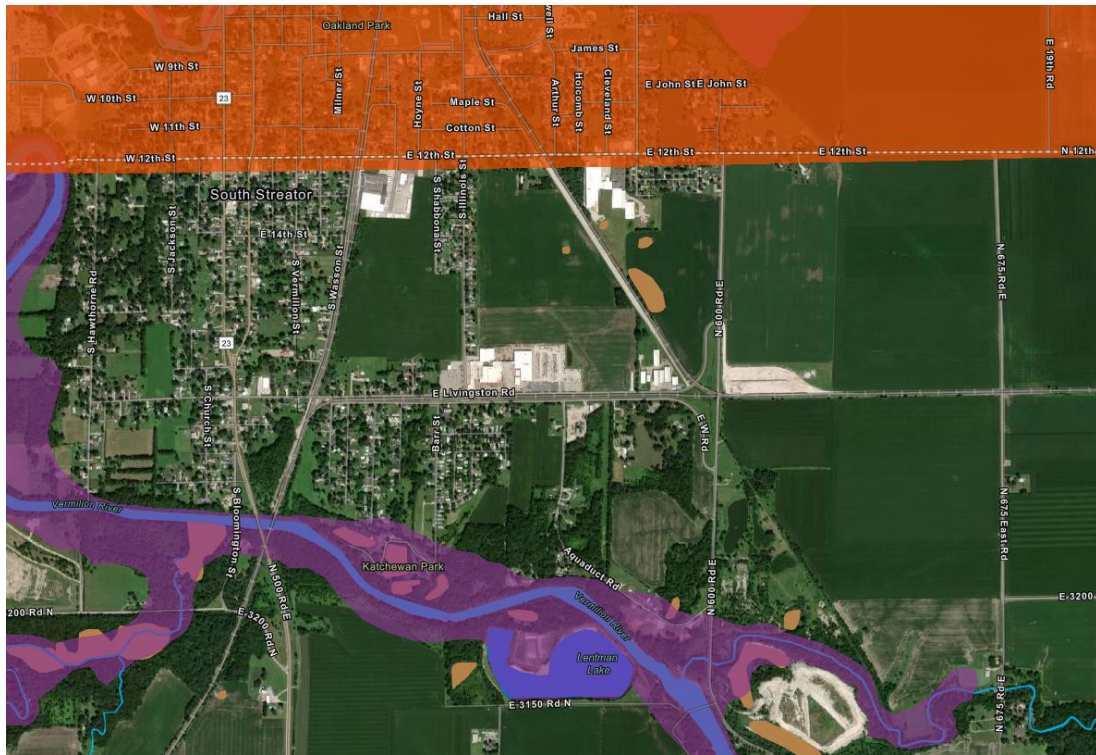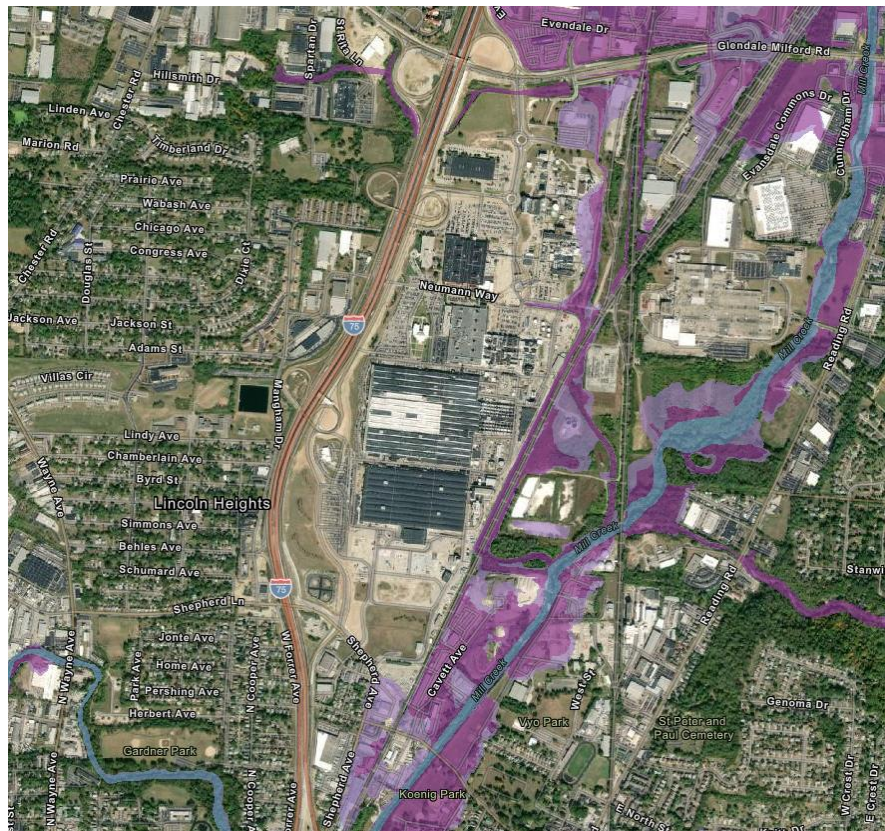
EXAMPLE IMAGES
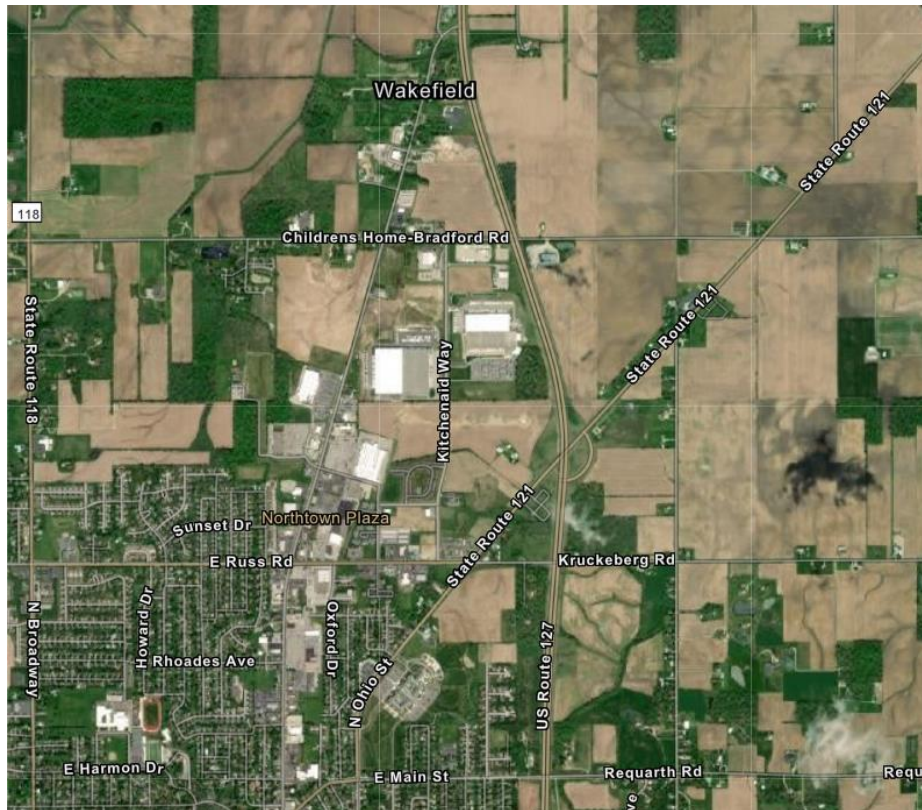
Land Available:

Limited Land:

Limited Land:

No Land:

FAA Clear:

FAA Possible:

FAA Not Clear:

FAA Not Clear: