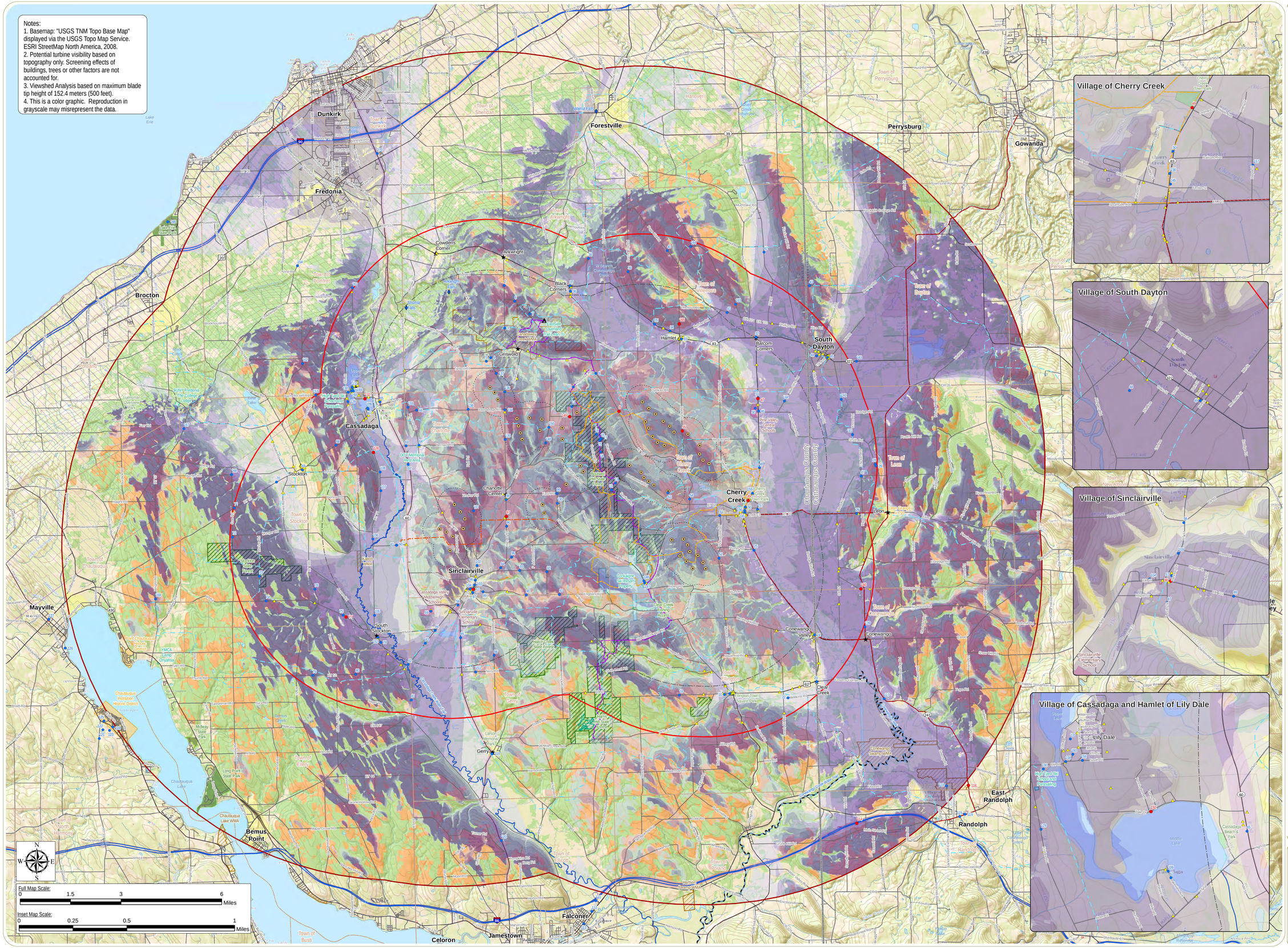
Notes:
1. Basemap: "USGS TNM Topo Base Map" displayed via the USGS Topo Map Service. ESRI StreetMap North America, 2008.
2. Potential turbine visibility based on topography only. Screening effects of buildings, trees or other factors are not accounted for.
3. Viewshed Analysis based on maximum blade tip height of 152.4 meters (500 feet).
4. This is a color graphic. Reproduction in grayscale may misrepresent the data.



Cassadaga Wind Project

Towns of Charlotte, Cherry Creek, Arkwright, and Stockton
Chautauqua County, New York

Viewshed Overlay

Sheet 1 of 5: Wind Turbine BladeTip Visibility Based on Topography Only

April 2016

Project Components
- Wind Turbine
- Generator Lead
- 5-Mile Study Area
- 10-Mile Study Area

Viewpoints
- Selected Viewpoint
- Viewpoint

Landscape Similarity Zones
- Forest
- Village/Hamlet
- Transportation Corridor
- Rural Uplands/Ridgelines
- Rural Valley
- Waterfront/Open Water

Distance Zones
- Foreground (<0.5 Mile) Distance Zone Limit
- Mid-ground (0.5-3.5 Miles) Distance Zone Limit

Note: All areas beyond beyond 3.5 miles are in the Background Distance Zone.

Viewshed Analysis
- 1-12 Turbines Visible
- 13-24 Turbines Visible
- 25-36 Turbines Visible
- 37-48 Turbines Visible
- 49-58 Turbines Visible

Visually Sensitive Resources
- NRHP-Eligible Site
- Waterfall
- Eastside Overland Trail Lean-to
- Hamlet
- National Rivers Inventory
- Amish Trail
- Earl Cardot Eastside Overland Trail
- Equestrian Trail
- Mountain Bike Trail
- Snowmobile Trail
- Water Trail
- NRHP-Listed Site
- Wildlife Management Area
- State Park
- Concord Grape Belt Heritage Area
- NYSDEC Land
- Local Park
- School
- Other Local Resources

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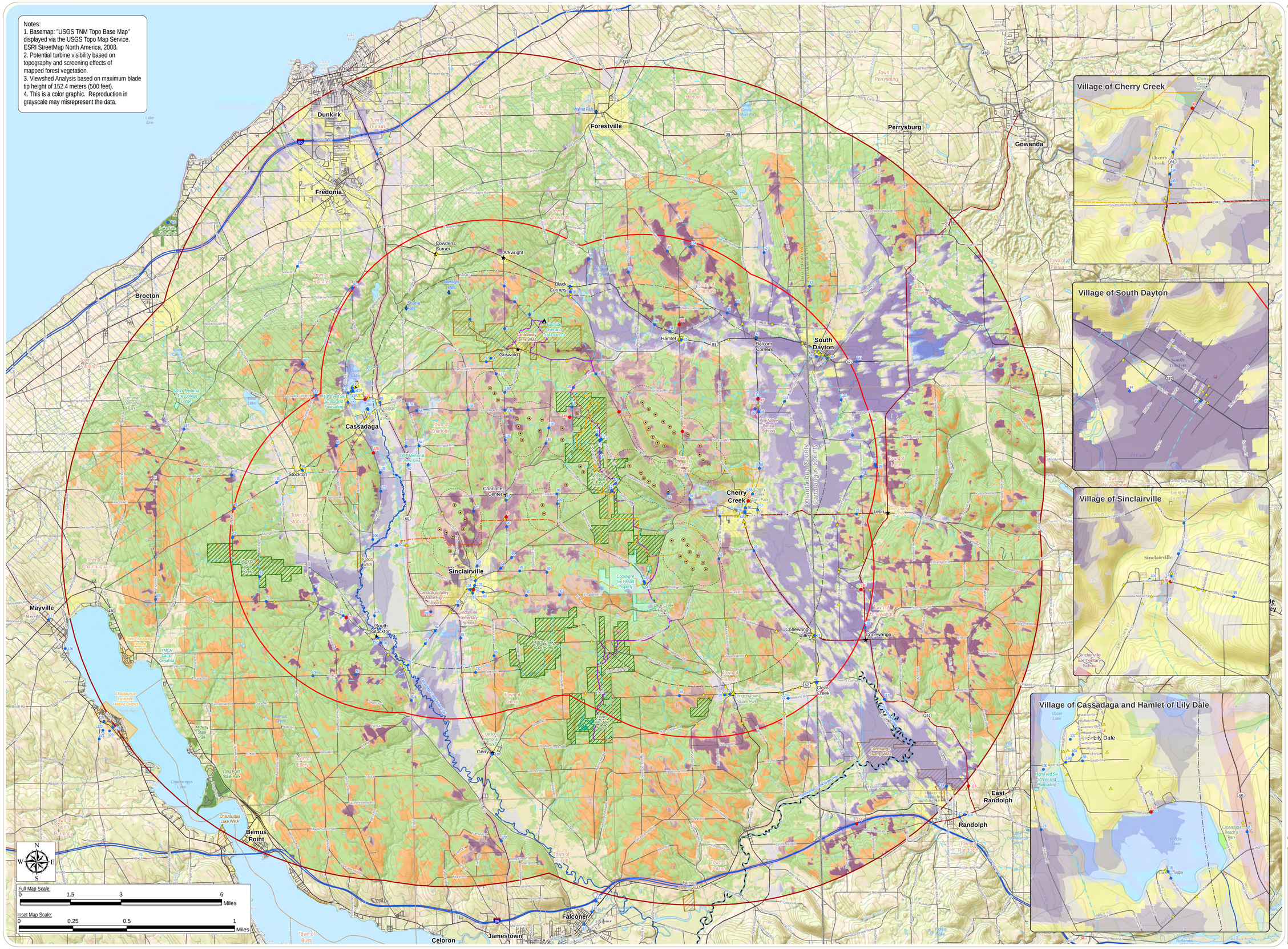
Notes:
1. Basemap: "USGS TNM Topo Base Map" displayed via the USGS Topo Map Service. ESRI StreetMap North America, 2008.
2. Potential turbine visibility based on topography and screening effects of mapped forest vegetation.
3. Viewshed Analysis based on maximum blade tip height of 152.4 meters (500 feet).
4. This is a color graphic. Reproduction in grayscale may misrepresent the data.



Cassadaga Wind Project

Towns of Charlotte, Cherry Creek, Arkwright, and Stockton
Chautauqua County, New York

Viewshed Overlay

Sheet 2 of 5: Wind Turbine BladeTip Visibility Based on Topography and Vegetation

April 2016

Project Components
- Wind Turbine
- Generator Lead
- 5-Mile Study Area
- 10-Mile Study Area

Viewpoints
- Selected Viewpoint
- Viewpoint

Landscape Similarity Zones
- Forest
- Village/Hamlet
- Transportation Corridor
- Rural Uplands/Ridgelines
- Rural Valley
- Waterfront/Open Water

Distance Zones
- Foreground (<0.5 Mile) Distance Zone Limit
- Mid-ground (0.5-3.5 Miles) Distance Zone Limit

Note: All areas beyond beyond 3.5 miles are in the Background Distance Zone.

Viewshed Analysis
- 1-12 Turbines Visible
- 13-24 Turbines Visible
- 25-36 Turbines Visible
- 37-48 Turbines Visible
- 49-58 Turbines Visible

Visually Sensitive Resources
- NRHP-Eligible Site
- Waterfall
- Eastside Overland Trail Lean-to
- Hamlet
- National Rivers Inventory
- Amish Trail
- Earl Cardot Eastside Overland Trail
- Equestrian Trail
- Mountain Bike Trail
- Snowmobile Trail
- Water Trail
- NRHP-Listed Site
- Wildlife Management Area
- State Park
- Concord Grape Belt Heritage Area
- NYSDEC Land
- Local Park
- School
- Other Local Resources

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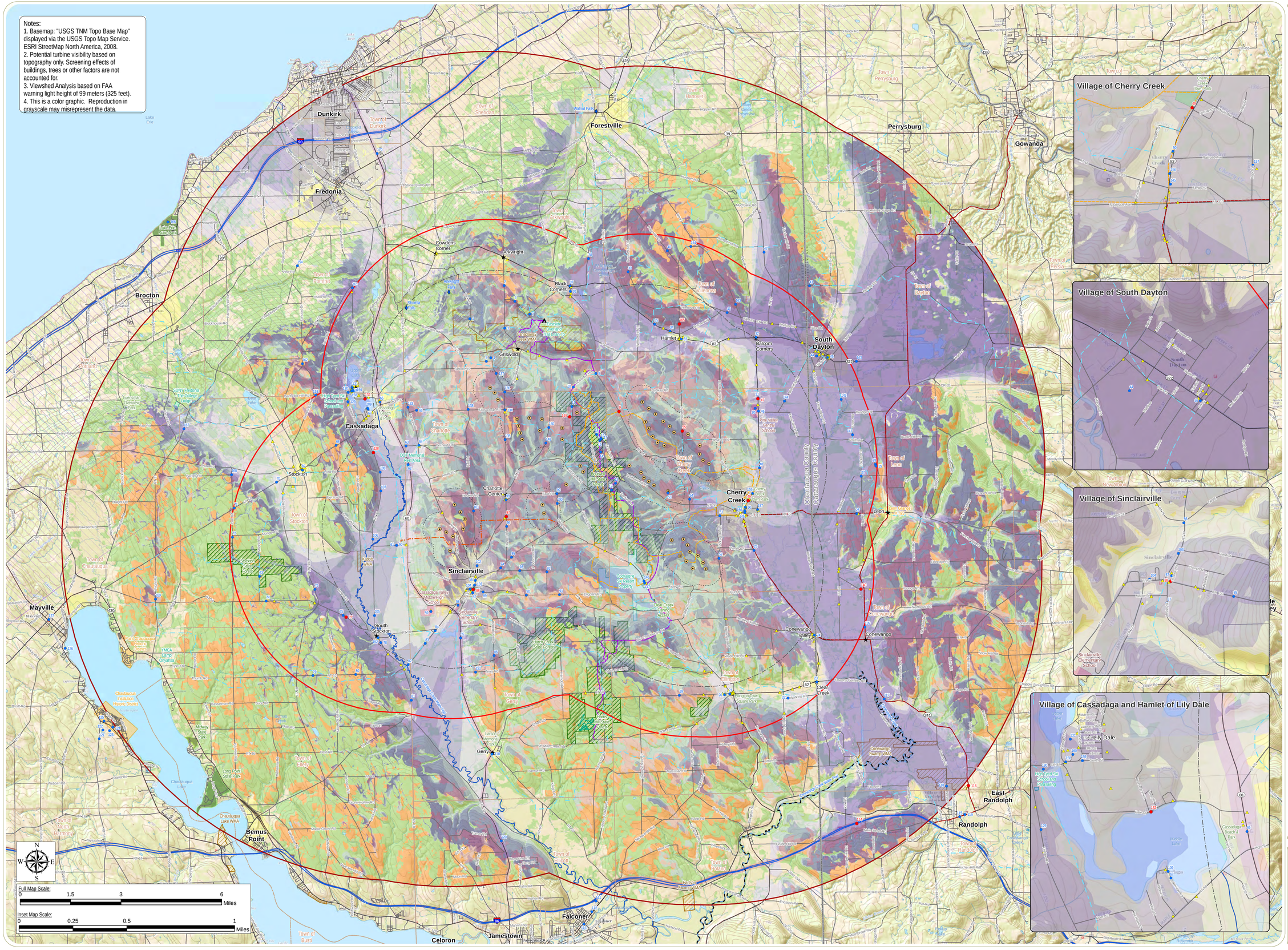
Notes:
1. Basemap: "USGS TNM Topo Base Map" displayed via the USGS Topo Map Service. ESRI StreetMap North America, 2008.
2. Potential turbine visibility based on topography only. Screening effects of buildings, trees or other factors are not accounted for.
3. Viewshed Analysis based on FAA warning light height of 99 meters (325 feet).
4. This is a color graphic. Reproduction in grayscale may misrepresent the data.



Cassadaga Wind Project

Towns of Charlotte, Cherry Creek, Arkwright, and Stockton
Chautauqua County, New York

Viewshed Overlay

Sheet 3 of 5: Wind Turbine FAA Warning Light Visibility Based on Topography Only

April 2016

Project Components
- Wind Turbine
- Generator Lead
- 5-Mile Study Area
- 10-Mile Study Area

Viewpoints
- Selected Viewpoint
- Viewpoint

Landscape Similarity Zones
- Forest
- Village/Hamlet
- Transportation Corridor
- Rural Uplands/Ridgelines
- Rural Valley
- Waterfront/Open Water

Distance Zones
- Foreground (<0.5 Mile) Distance Zone Limit
- Mid-ground (0.5-3.5 Miles) Distance Zone Limit

Note: All areas beyond beyond 3.5 miles are in the Background Distance Zone.

Viewshed Analysis
- 1-12 Turbines Visible
- 13-24 Turbines Visible
- 25-36 Turbines Visible
- 37-48 Turbines Visible
- 49-58 Turbines Visible

Visually Sensitive Resources
- NRHP-Eligible Site
- Waterfall
- Eastside Overland Trail Lean-to
- Hamlet
- National Rivers Inventory
- Amish Trail
- Earl Cardot Eastside Overland Trail
- Equestrian Trail
- Mountain Bike Trail
- Snowmobile Trail
- Water Trail
- NRHP-Listed Site
- Wildlife Management Area
- State Park
- Concord Grape Belt Heritage Area
- NYSDEC Land
- Local Park
- School
- Other Local Resources

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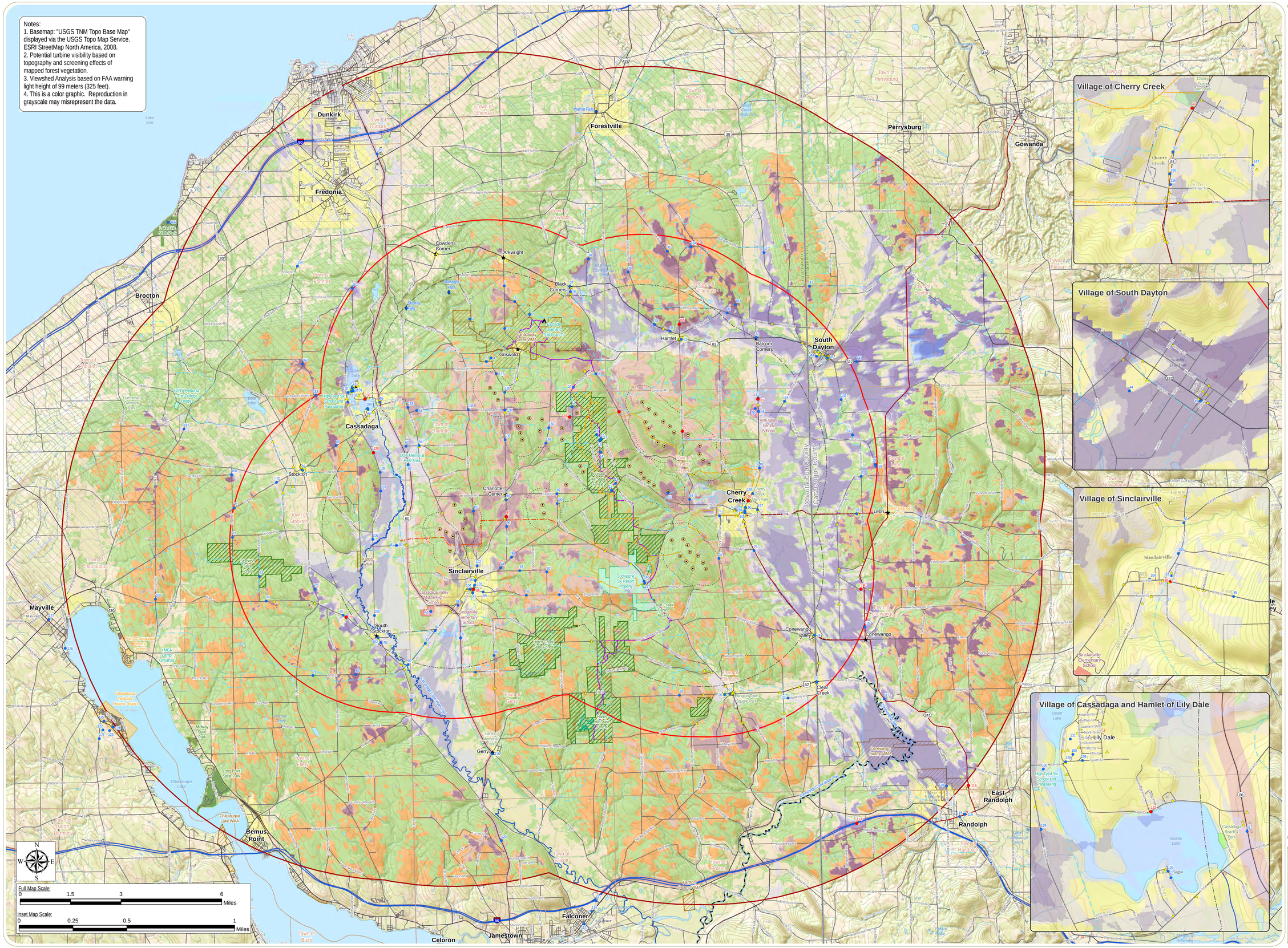
Notes:
1. Basemap: "USGS TNM Topo Base Map" displayed via the USGS Topo Map Service. ESRI StreetMap North America, 2008.
2. Potential turbine visibility based on topography and screening effects of mapped forest vegetation.
3. Viewshed Analysis based on FAA warning light height of 99 meters (325 feet).
4. This is a color graphic. Reproduction in grayscale may misrepresent the data.



Cassadaga Wind Project

Towns of Charlotte, Cherry Creek, Arkwright, and Stockton
Chautauqua County, New York

Viewshed Overlay

Sheet 4 of 5: Wind Turbine FAA Warning Light Visibility Based on Topography and Vegetation

April 2016

Project Components
- Wind Turbine
- Generator Lead
- 5-Mile Study Area
- 10-Mile Study Area

Viewpoints
- Selected Viewpoint
- Viewpoint

Landscape Similarity Zones
- Forest
- Village/Hamlet
- Transportation Corridor
- Rural Uplands/Ridgelines
- Rural Valley
- Waterfront/Open Water

Distance Zones
- Foreground (<0.5 Mile) Distance Zone Limit
- Mid-ground (0.5-3.5 Miles) Distance Zone Limit

Note: All areas beyond beyond 3.5 miles are in the Background Distance Zone.

Viewshed Analysis
- 1-12 Turbines Visible
- 13-24 Turbines Visible
- 25-36 Turbines Visible
- 37-48 Turbines Visible
- 49-58 Turbines Visible

Visually Sensitive Resources
- NRHP-Eligible Site
- Waterfall
- Eastside Overland Trail Lean-to
- Hamlet
- National Rivers Inventory
- Amish Trail
- Earl Cardot Eastside Overland Trail
- Equestrian Trail
- Mountain Bike Trail
- Snowmobile Trail
- Water Trail
- NRHP-Listed Site
- Wildlife Management Area
- State Park
- Concord Grape Belt Heritage Area
- NYSDEC Land
- Local Park
- School
- Other Local Resources

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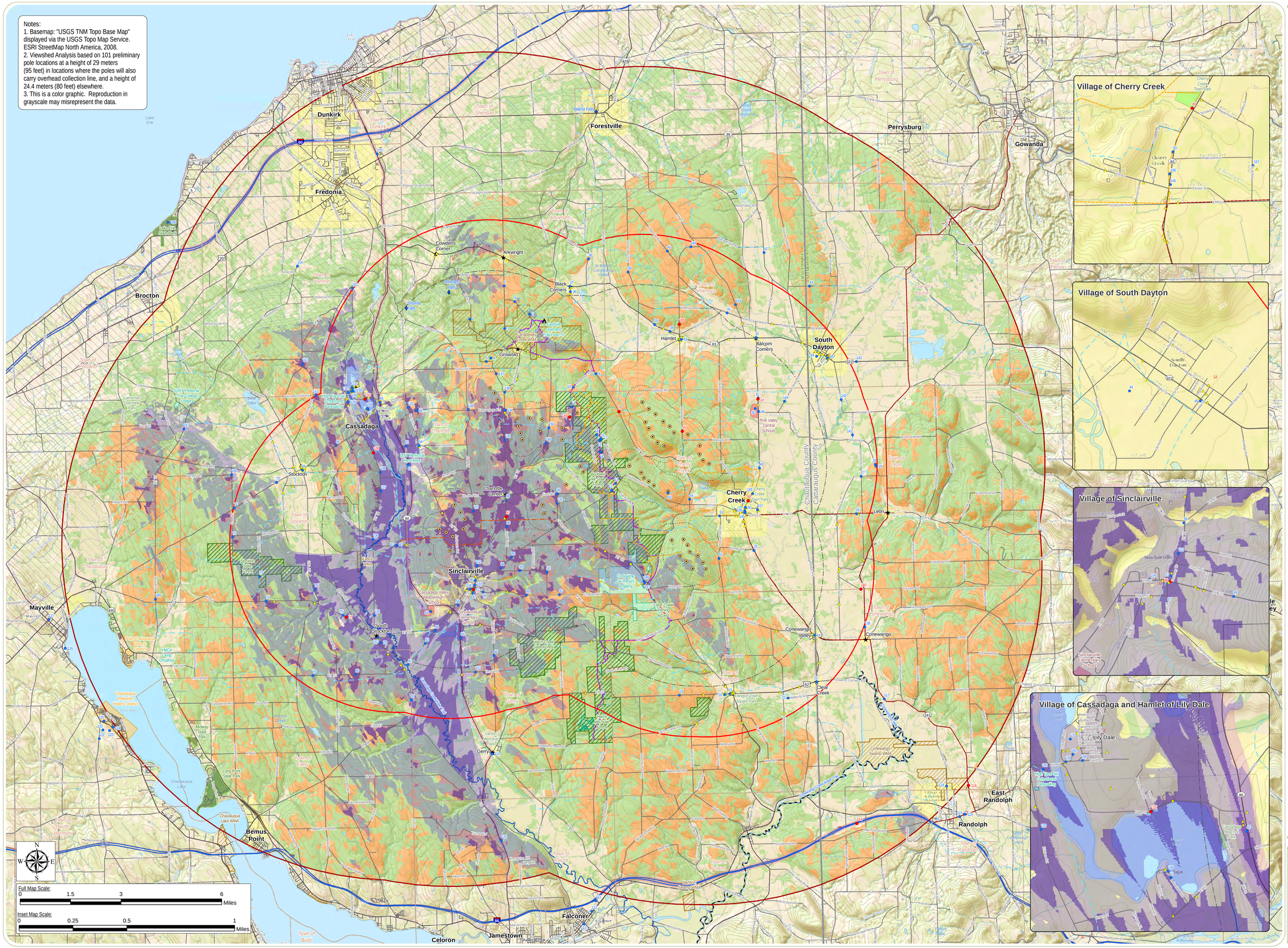
Notes:
1. Basemap: "USGS TNM Topo Base Map" displayed via the USGS Topo Map Service. ESRI StreetMap North America, 2008.
2. Viewshed Analysis based on 101 preliminary pole locations at a height of 29 meters (95 feet) in locations where the poles will also carry overhead collection line, and a height of 24.4 meters (80 feet) elsewhere.
3. This is a color graphic. Reproduction in grayscale may misrepresent the data.



Cassadaga Wind Project

Towns of Charlotte, Cherry Creek, Arkwright, and Stockton
Chautauqua County, New York

Viewshed Overlay

Sheet 5 of 5: Generator Lead Visibility

April 2016

Project Components
- Wind Turbine
- Generator Lead
- 5-Mile Study Area
- 10-Mile Study Area

Viewpoints
- Selected Viewpoint
- Viewpoint

Landscape Similarity Zones
- Forest
- Village/Hamlet
- Transportation Corridor
- Rural Uplands/Ridgelines
- Rural Valley
- Waterfront/Open Water

Distance Zones
- Foreground (<0.5 Mile) Distance Zone Limit
- Mid-ground (0.5-3.5 Miles) Distance Zone Limit

Note: All areas beyond beyond 3.5 miles are in the Background Distance Zone.

Viewshed Analysis
- Potential Generator Lead Visibility Based on Topography and Vegetation
- Potential Generator Lead Visibility Based on Topography Only

Visually Sensitive Resources
- NRHP-Eligible Site
- Waterfall
- Eastside Overland Trail Lean-to
- Hamlet
- National Rivers Inventory
- Amish Trail
- Earl Cardot Eastside Overland Trail
- Equestrian Trail
- Mountain Bike Trail
- Snowmobile Trail
- Water Trail
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