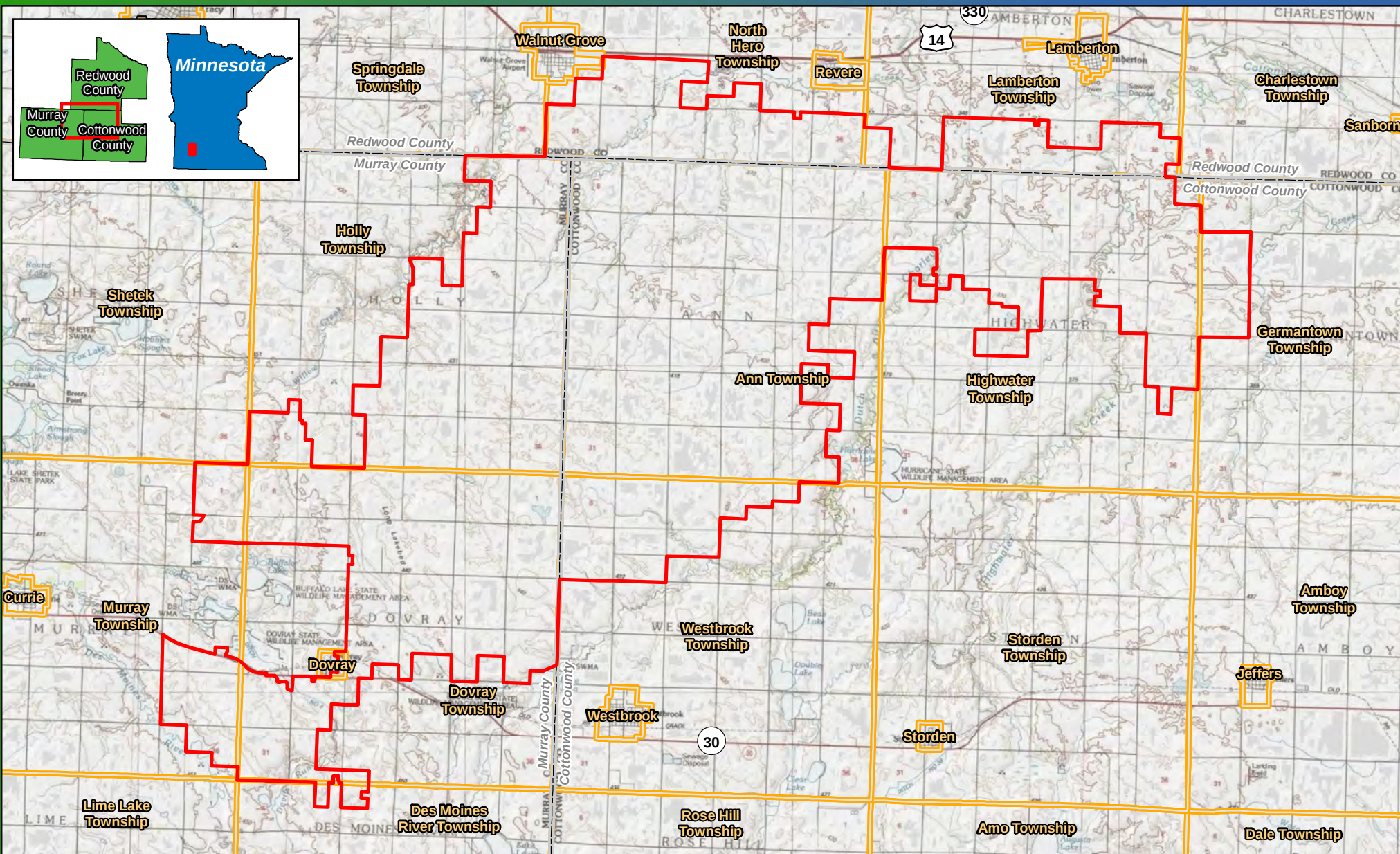


Certificate of Need

Figures



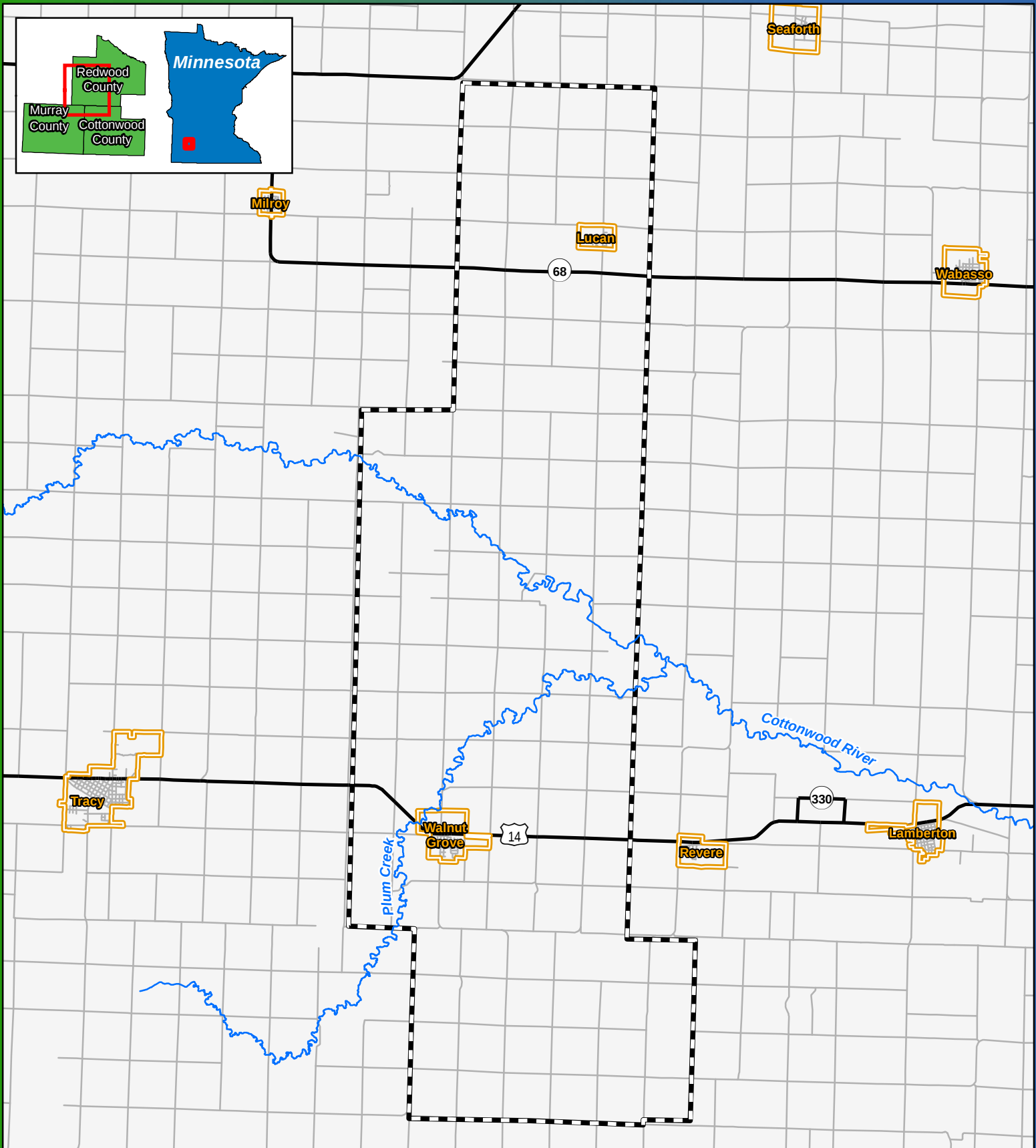
0 1 2 3 Miles



1:160,000

Figure 1
Project Location
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

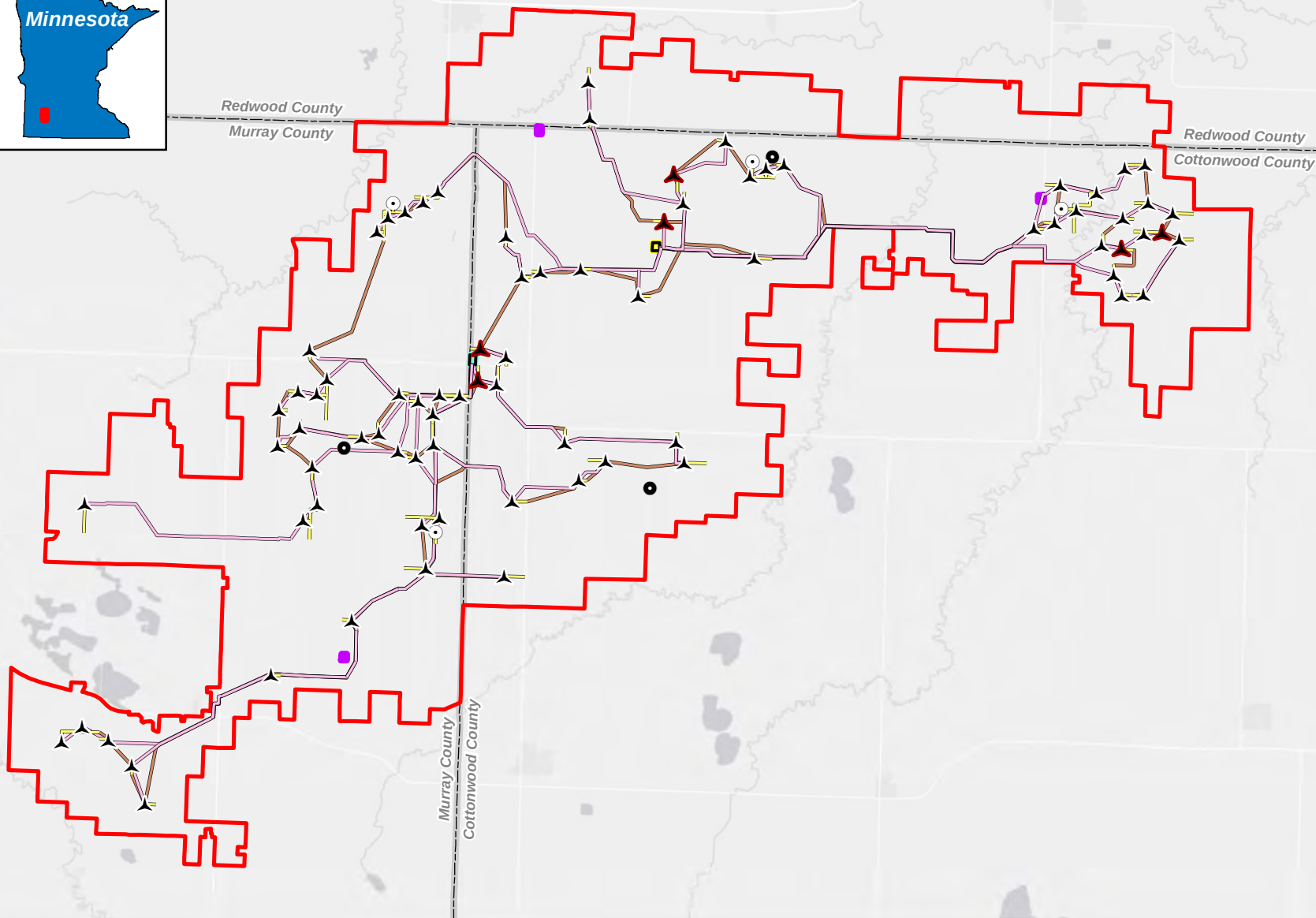
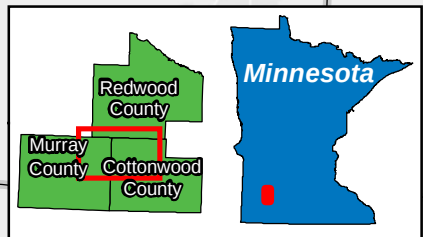
- Project Area Boundary
- County Boundary
- City/Township



0 1 2 3 Miles

Figure 2
HVTL Project Study Area
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

-  Project Study Area
-  City Boundary
-  Highway
-  Street Centerline
-  NHD Named Stream



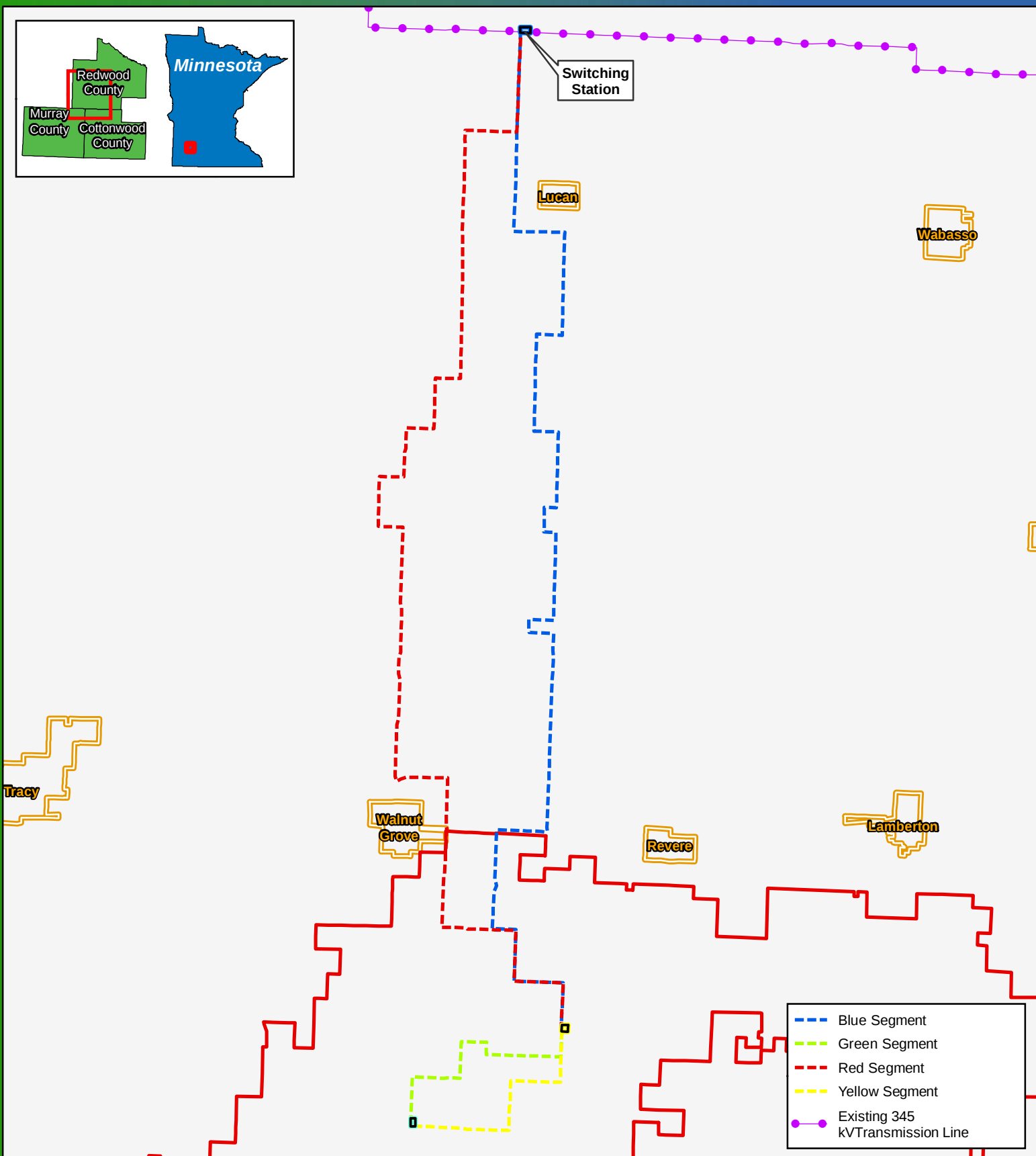
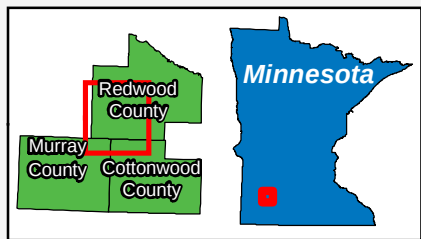
0 1 2 3 Miles



1:160,000

Figure 3b
Proposed Project - Vestas V150/V162
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

- | | | | |
|---|--|---|------------------------|
| ○ | Permanent Met Tower | □ | Project Area Boundary |
| ▲ | V150/V162 Proposed Turbine (Primary) | ■ | Laydown Area |
| ▲ | V150/V162 Proposed Turbine (Alternate) | □ | Collector Substation 1 |
| ● | Temporary Met Tower | □ | Collector Substation 2 |
| — | Access Road | □ | O&M Facility |
| — | Collection Line | □ | County Boundary |
| — | Crane Path | | |



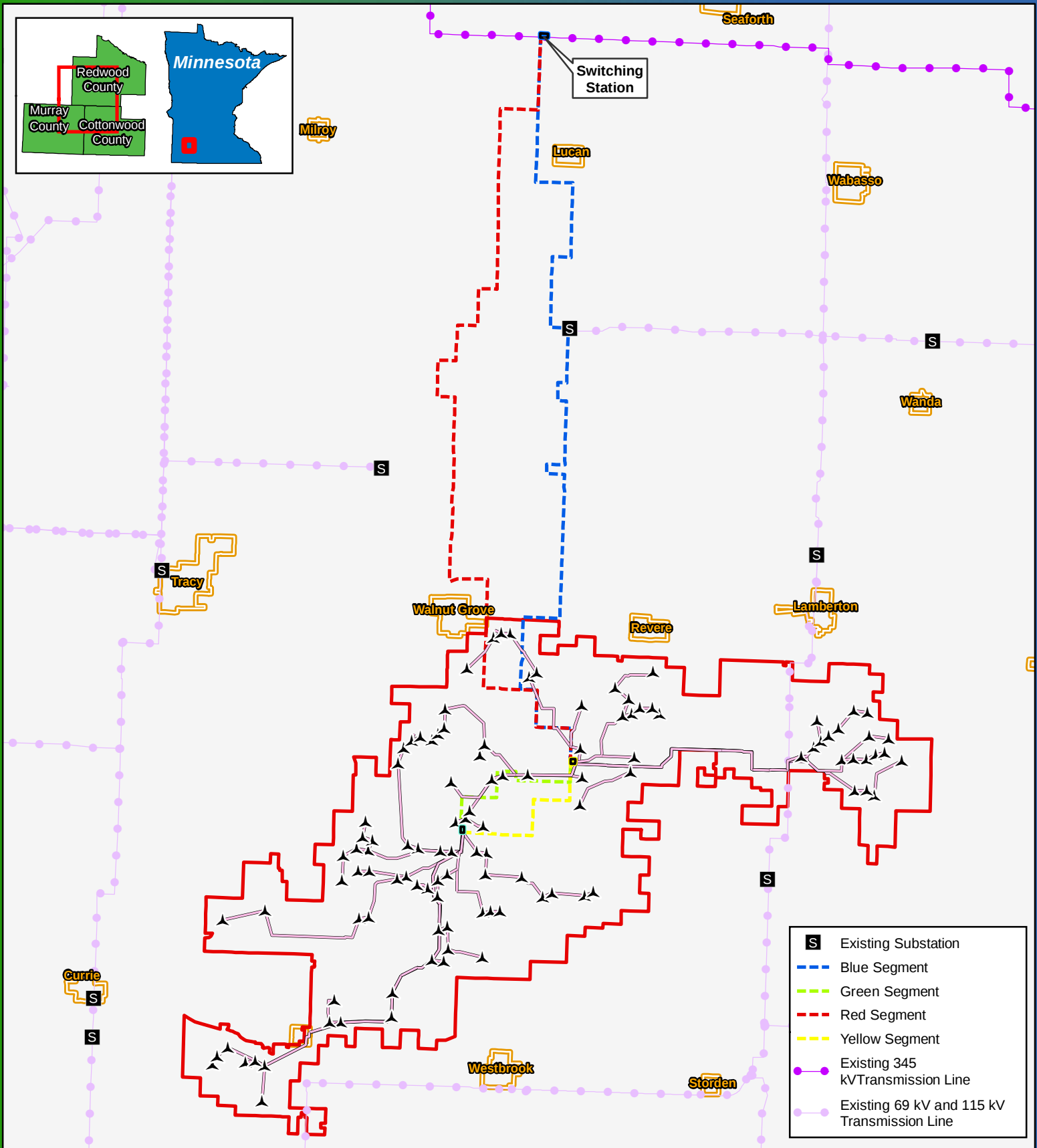
- Blue Segment
- Green Segment
- Red Segment
- Yellow Segment
- Existing 345 kV Transmission Line



0 1 2 3 4 Miles

Figure 4
Approximate Location of
Terminals and Substations
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

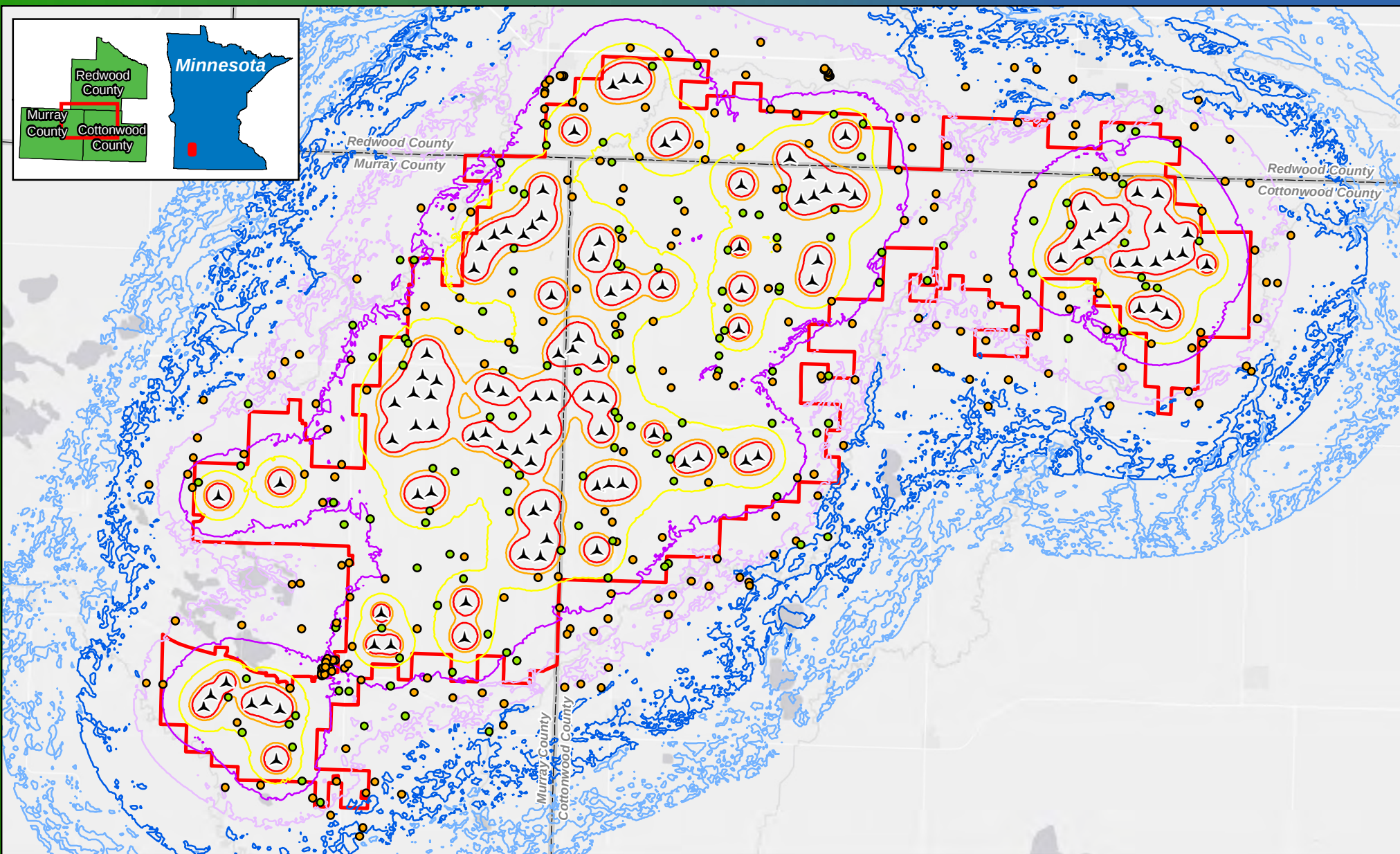
- Project Area Boundary
- Collector Substation 1
- Collector Substation 2
- O&M Facility
- City Boundary



0 1 2 3 4 Miles

Figure 5
Map of System
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

- GE 2.8-127 Preliminary Turbine**
- Collection Line**
- Project Area Boundary**
- Collector Substation 1**
- Collector Substation 2**
- O&M Facility**
- City Boundary**

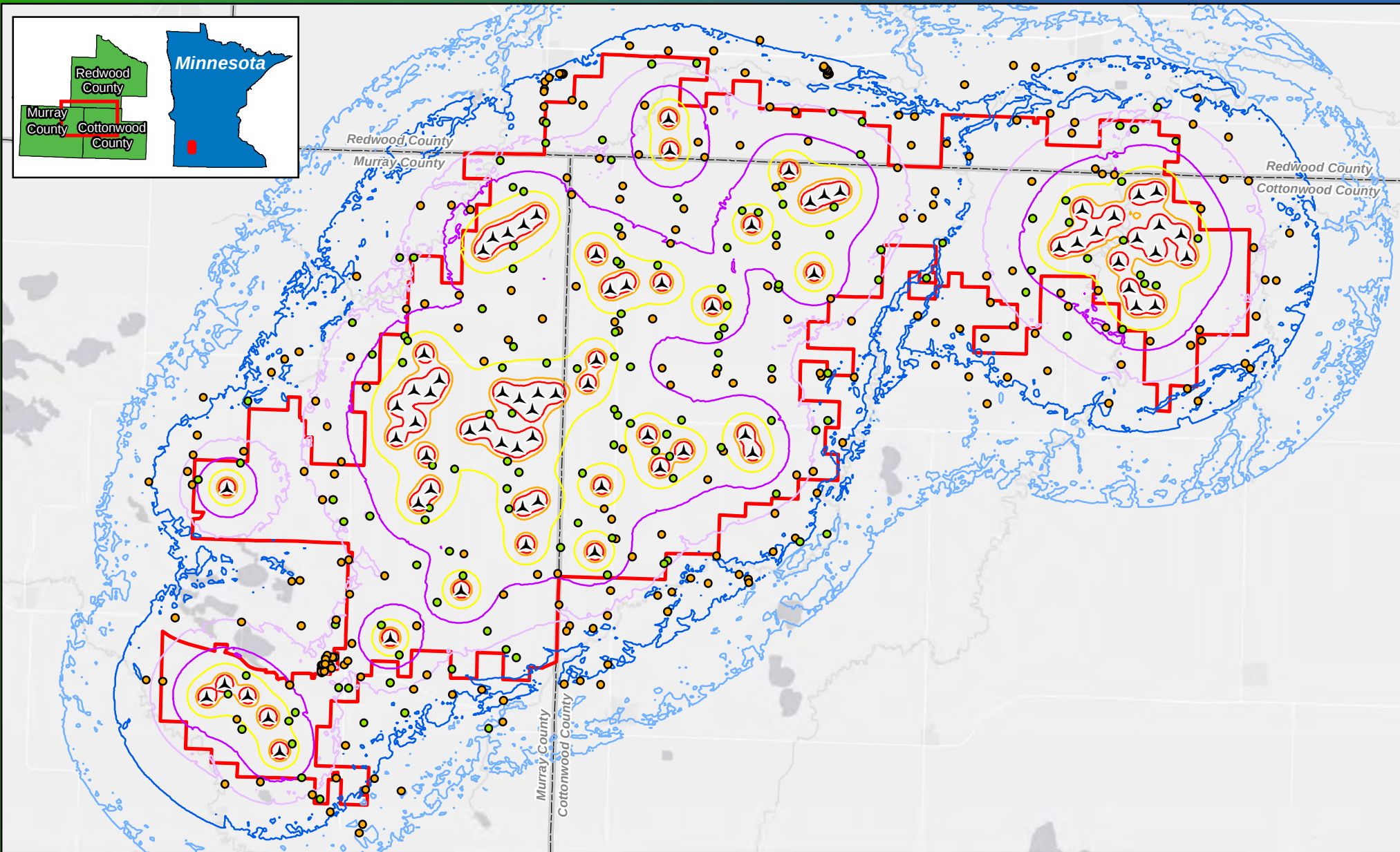
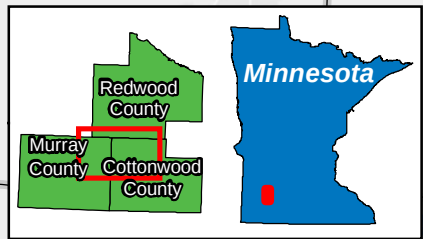


0 1 2 3 Miles

1:160,000

Figure 6a
Sound/Noise - GE127
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

- | | |
|--|---------------------------|
| ▲ GE 2.8-127 Proposed Turbine | Turbine-only Sound |
| Residential Structure (within 1 mile of Project Area) | — 20 dBA |
| ● Participant | — 25 dBA |
| ● Non-Participant | — 30 dBA |
| □ Project Area Boundary | — 35 dBA |
| □ County Boundary | — 40 dBA |
| | — 45 dBA |
| | — 47 dBA |



0 1 2 3 Miles

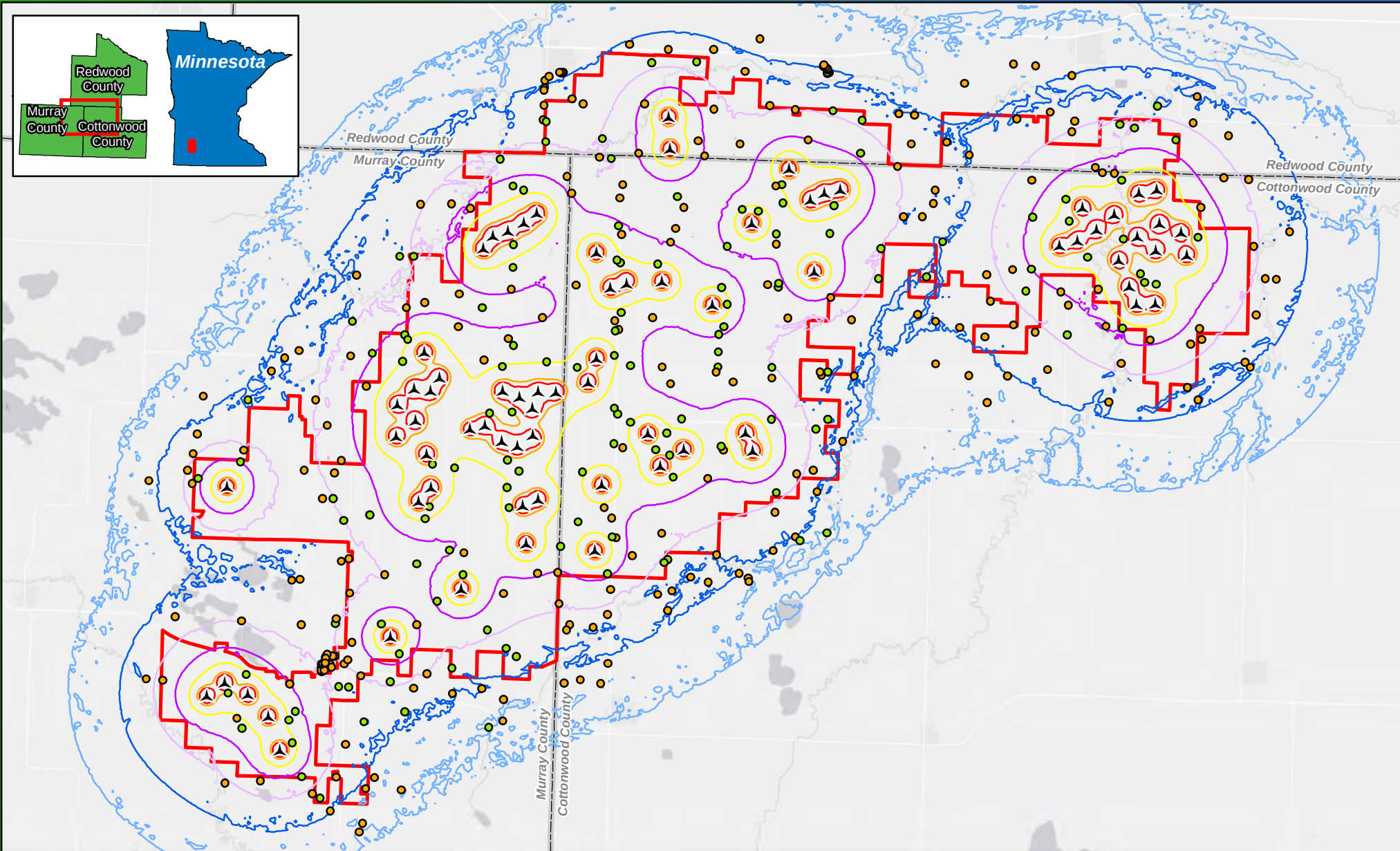
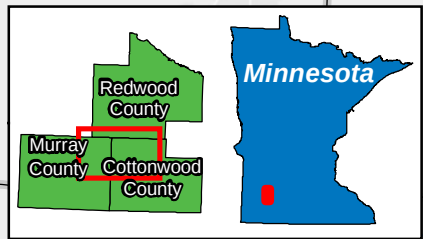


1:160,000

Figure 6b
Sound/Noise - Vestas V150
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

- ▲ V150 Proposed Turbine
- Residential Structure (within 1 mile of Project Area)
 - Participant
 - Non-Participant
- Project Area Boundary
- County Boundary

- Turbine-only Sound**
- 20 dBA
 - 25 dBA
 - 30 dBA
 - 35 dBA
 - 40 dBA
 - 45 dBA
 - 47 dBA



0 1 2 3 Miles



1:160,000

Figure 6c
Sound/Noise - Vestas V162
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

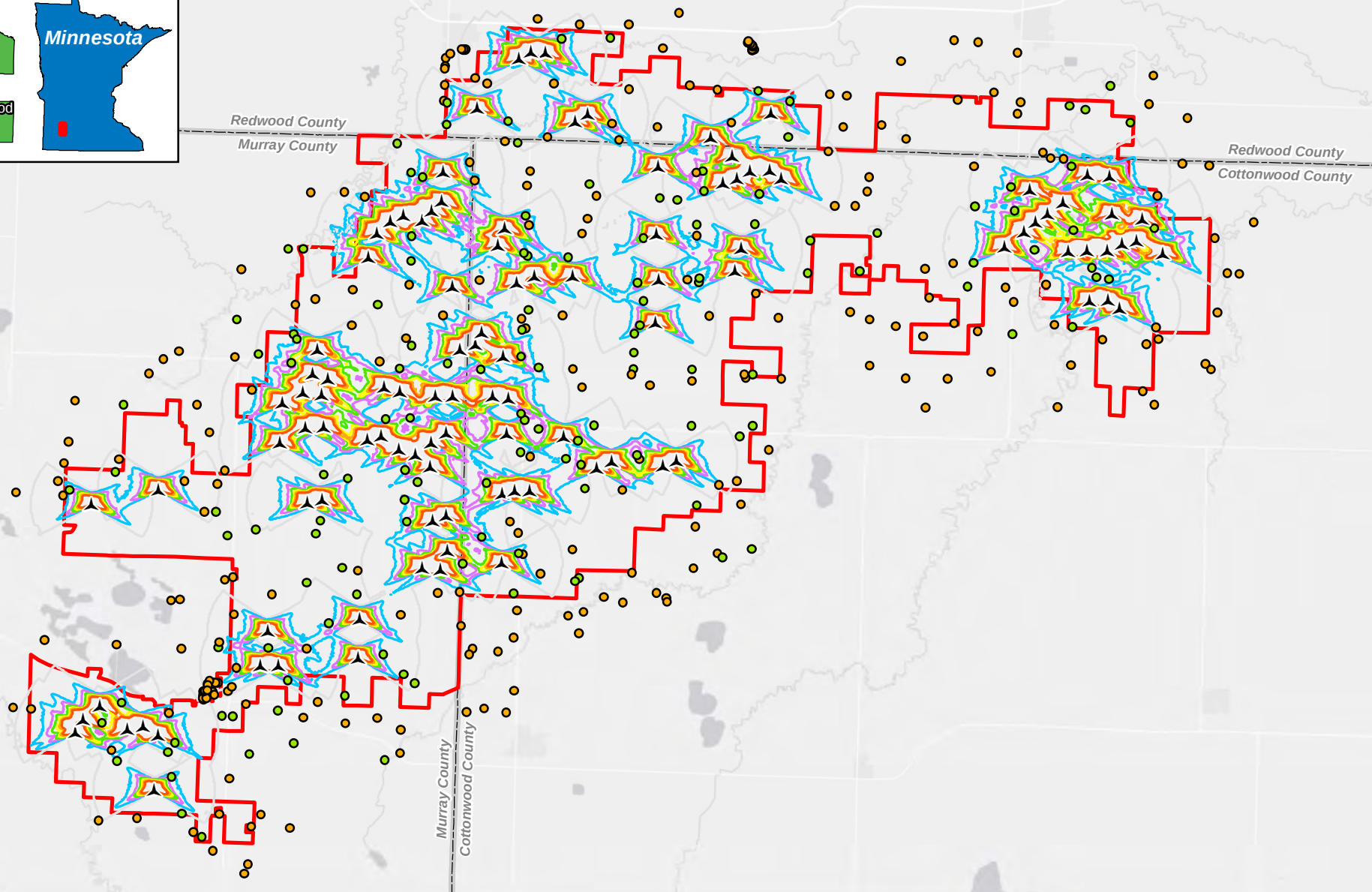
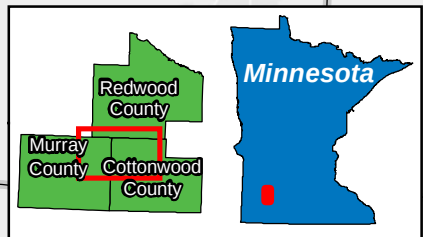
▲ V162 Proposed Turbine
 Residential Structure (within 1
 mile of Project Area)

● Participant
 ● Non-Participant

□ Project Area
 □ County Boundary

Turbine-only Sound

— 20 dBA
 — 25 dBA
 — 30 dBA
 — 35 dBA
 — 40 dBA
 — 45 dBA
 — 47 dBA

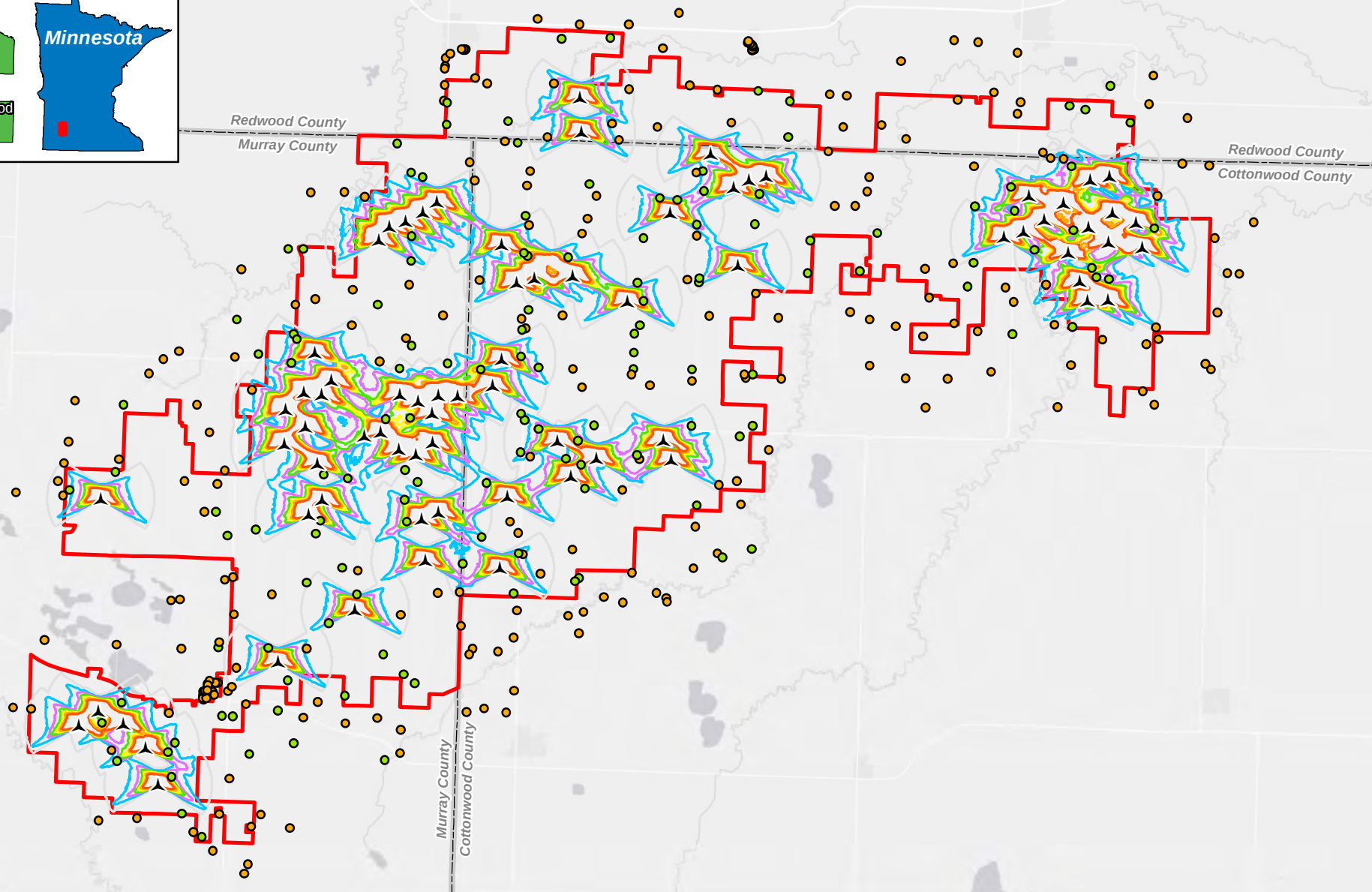
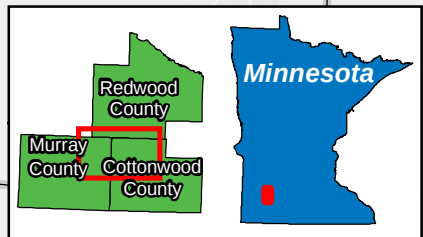


0 1 2 3 Miles

1:160,000

Figure 7a
Shadow Flicker - GE127
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

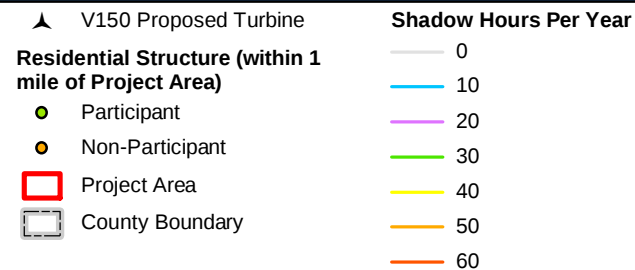
- | | |
|---|------------------------------|
| ▲ GE 2.8-127 Proposed Turbine | Shadow Hours Per Year |
| Residential Structure (within 1 mile of Project Area) | — 0 |
| ● Participant | — 10 |
| ● Non-Participant | — 20 |
| ■ Project Area Boundary | — 30 |
| □ County Boundary | — 40 |
| | — 50 |
| | — 60 |

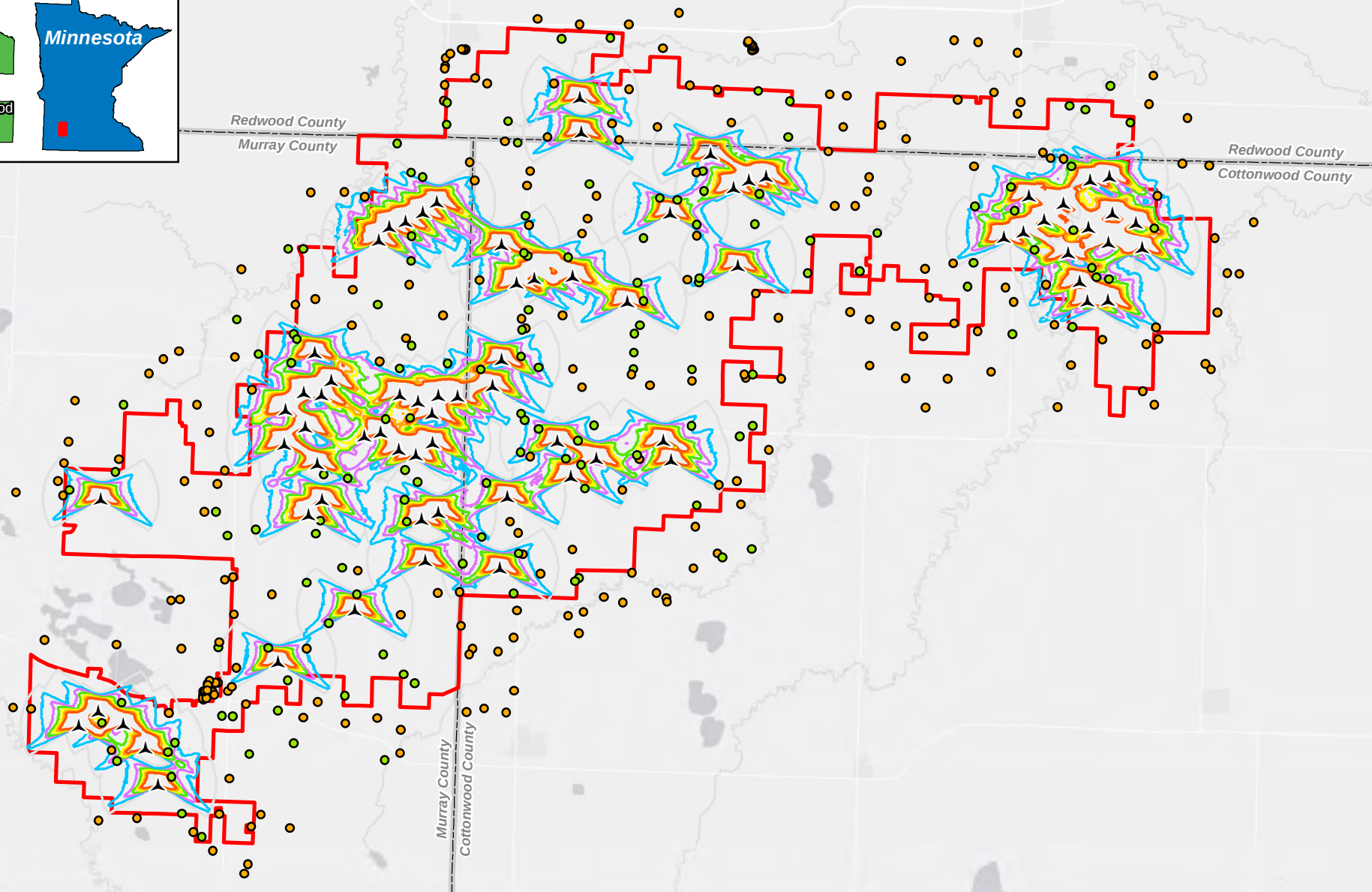
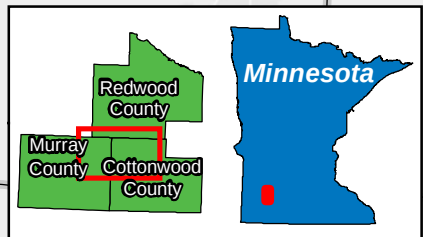


0 1 2 3 Miles

1:160,000

Figure 7b
Shadow Flicker - Vestas V150
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN





0 1 2 3 Miles

1:160,000

Figure 7c
Shadow Flicker - Vestas V162
Plum Creek Wind Farm, LLC
Redwood, Murray, and
Cottonwood Counties, MN

