

Data Source: RES Americas, DNV GL

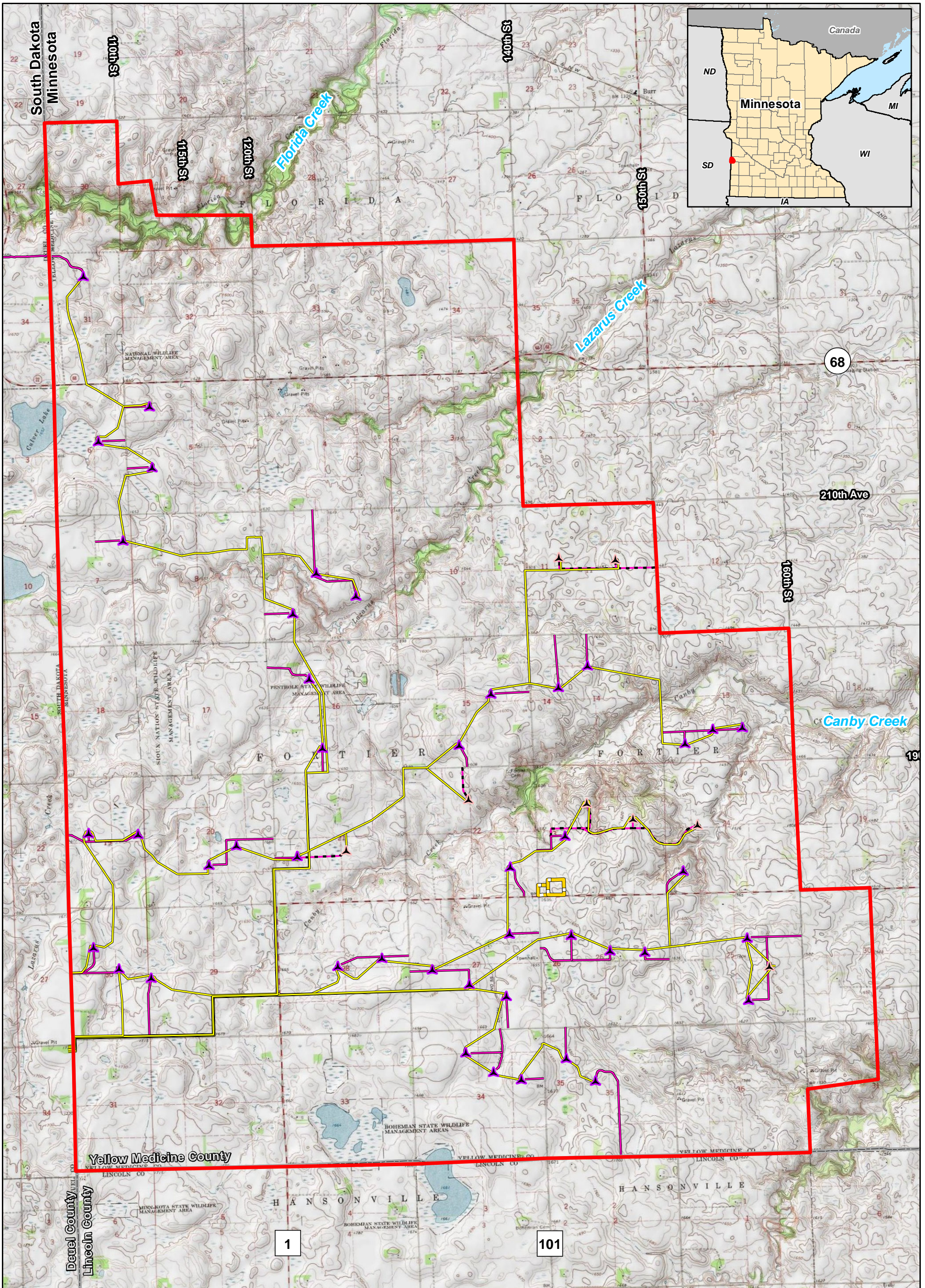
**Figure 7b**  
**South Dakota Sound/Noise**

**Bitter Root Wind Farm**  
**Flying Cow Wind, LLC**  
**Yellow Medicine County, Minnesota**

**Updated 3/28/2018**

**Legend**

- |                           |  |
|---------------------------|--|
| <b>Project Components</b> | State Boundary                               |
| V136 3.45 MW Turbine (52) | Simulated ISO-Contours *                     |
| Substation                | 40 dBA                                       |
| Project Area              | 45 dBA                                       |
| <b>Other Components</b>   | 50 dBA                                       |
| Dwelling                  | <small>* At 1.5 m above ground level</small> |
| Primary/ Secondary Road   |  |
| Local Road                |  |
| Contour (Interval: 10 m)  |  |



0 0.25 0.5 1 Miles



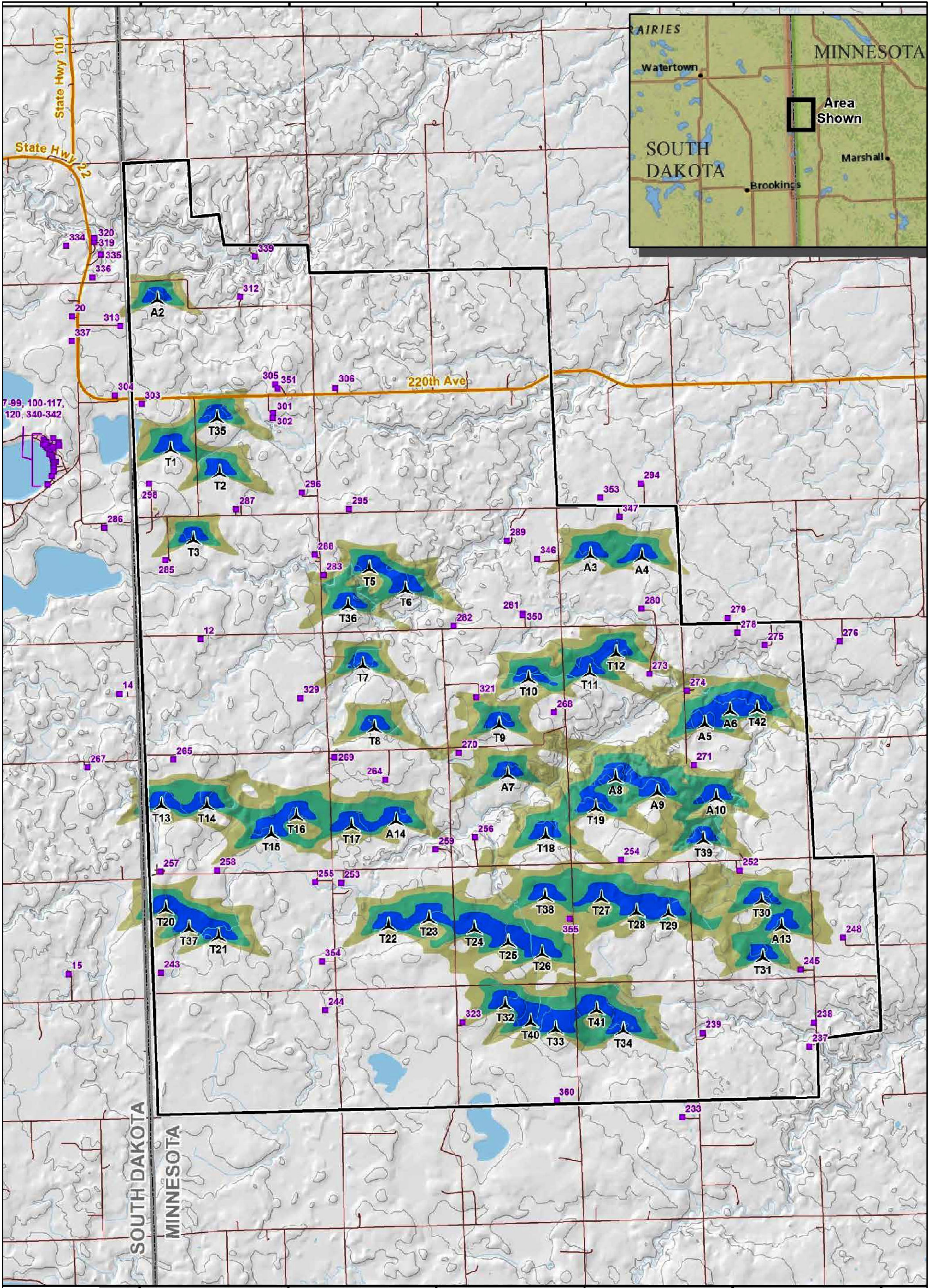
Data Source: RES Americas, USGS  
 Imagery Source: Copyright © 2013 National Geographic Society, i-cubed

**Figure 8  
 Topographic Map**

**Bitter Root Wind Farm  
 Flying Cow Wind, LLC  
 Yellow Medicine County, Minnesota**

**Updated 3/28/2018**

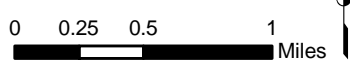
- Proposed Turbine
- Proposed Alternate Turbine
- Project Area
- County Boundary
- Proposed Facilities Boundary (OM Building and Laydown Yard)
- Proposed Collection Line
- Proposed Access Road
- Proposed Alternate Access Road



**Figure 9  
Shadow Flicker**

**Bitter Root Wind Farm  
Flying Cow Wind, LLC  
Yellow Medicine County, Minnesota**

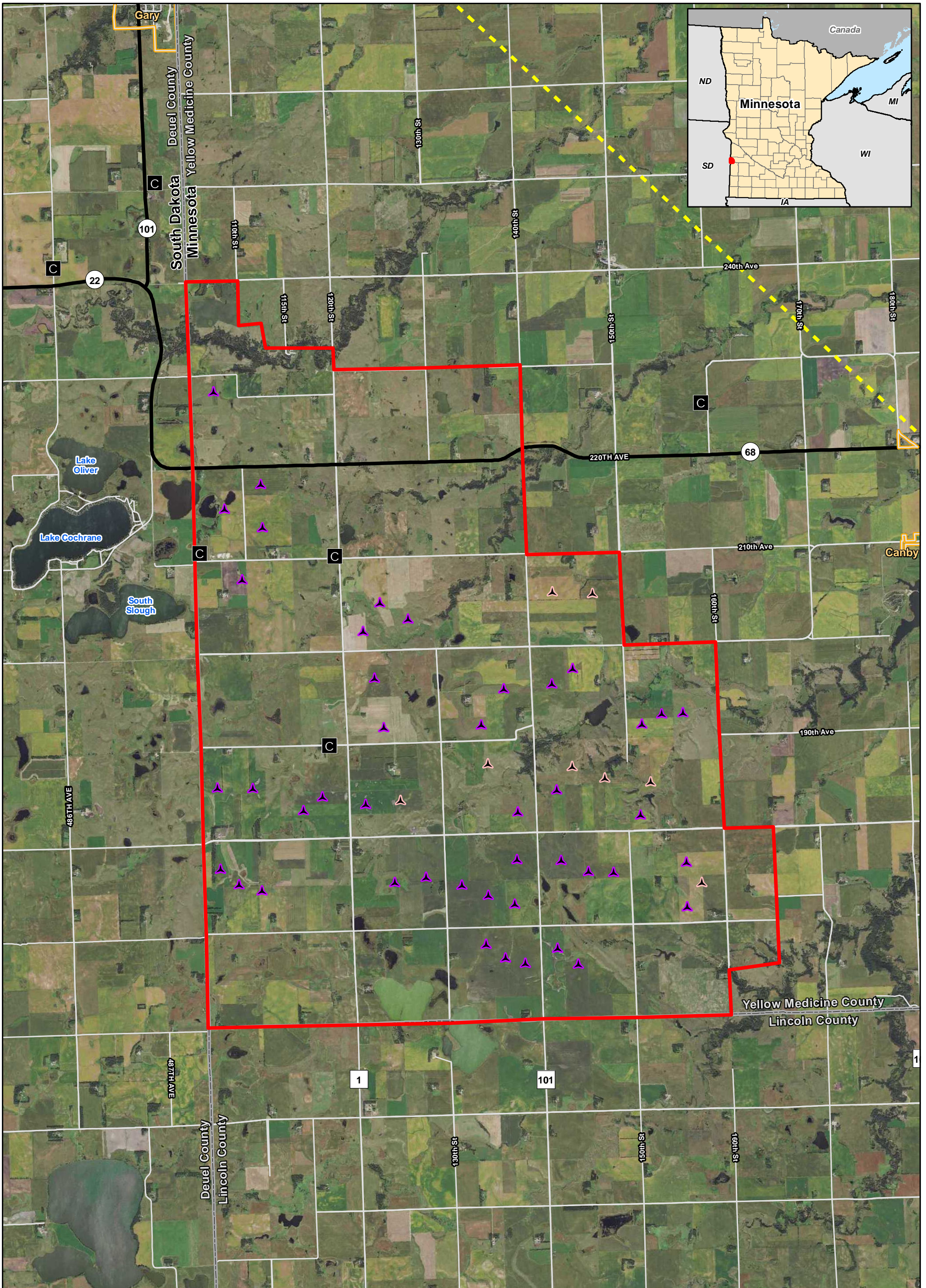
**Updated 3/28/2018**



Data Source: RES Americas, DNV GL

**Legend**

- |                            |                                    |
|----------------------------|------------------------------------|
| <b>Project Components</b>  | <b>Shadow Flicker [hour/ year]</b> |
| ▲ Wind Turbine (52)        | ■ 100 and over                     |
| □ Project Area             | ■ 50 - 99                          |
| <b>Other Components</b>    | ■ 25 - 49                          |
| ■ Dwelling                 |                                    |
| — Primary/ Secondary Road  |                                    |
| — Local Road               |                                    |
| — Contour (Interval: 10 m) |                                    |
| — State Boundary           |                                    |








0 0.25 0.5 1 Miles

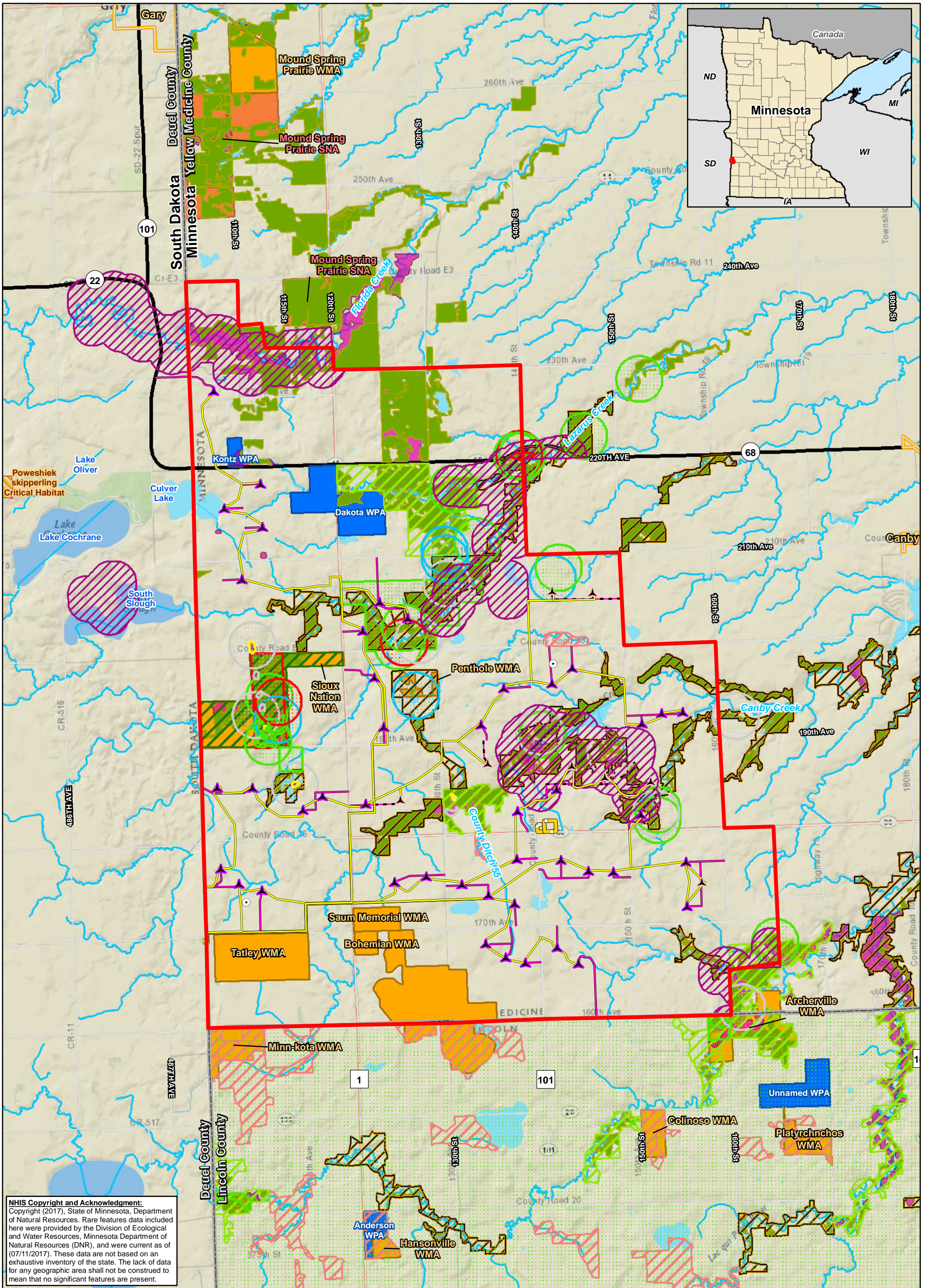
Data Source: RES Americas, Comsearch  
Imagery Source: 2015 Color FSA



**Figure 10**  
**Microwave Beam Path**  
**Bitter Root Wind Farm**  
**Flying Cow Wind, LLC**  
**Yellow Medicine County, Minnesota**

Updated 3/28/2018

-  Proposed Turbine
-  Proposed Alternate Turbine
-  Communication Tower
-  Microwave Beam Path (wcfz)
-  Project Area



**NHIS Copyright and Acknowledgment:**  
 Copyright (2017), State of Minnesota, Department of Natural Resources. Rare features data included here were provided by the Division of Ecological and Water Resources, Minnesota Department of Natural Resources (DNR), and were current as of (07/11/2017). These data are not based on an exhaustive inventory of the state. The lack of data for any geographic area shall not be construed to mean that no significant features are present.



0 0.25 0.5 1 Miles

Data Source: RES Americas, MN DNR, USFWS, Mn Geo  
 Imagery Source: National Geographic World Map

**Figure 11a**  
**Unique Natural Features**  
**Bitter Root Wind Farm**  
**Flying Cow Wind, LLC**  
**Yellow Medicine County, Minnesota**  
 Updated 3/28/2018

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li> Proposed Turbine</li> <li> Proposed Alternate Turbine</li> <li> Project Area</li> <li> Proposed Met Tower</li> <li> Proposed Facilities Boundary (OM Building and Laydown Yard)</li> <li> Proposed Collection Line</li> <li> Proposed Access Road</li> <li> Proposed Alternate Access Road</li> <li> 24k Stream or Ditch</li> </ul> | <ul style="list-style-type: none"> <li> Wildlife Management Area (WMA)</li> <li> Waterfowl Production Area (WPA)</li> <li> Scientific &amp; Natural Area (SNA)</li> <li> Native Prairie</li> <li> Native Plant Community</li> <li> 1,000 ft NLEB Habitat Buffer</li> <li> USFWS Critical Habitat</li> <li><b>Sites of Biodiversity Significance</b></li> <li> Outstanding</li> <li> High</li> <li> Moderate</li> <li> Below</li> </ul> | <ul style="list-style-type: none"> <li> MN Natural Heritage Inventory System (NHIS)</li> <li> Endangered</li> <li> Threatened</li> <li> Special Concern</li> <li> Watchlist</li> <li> N/A</li> </ul> |
|---|--|--|