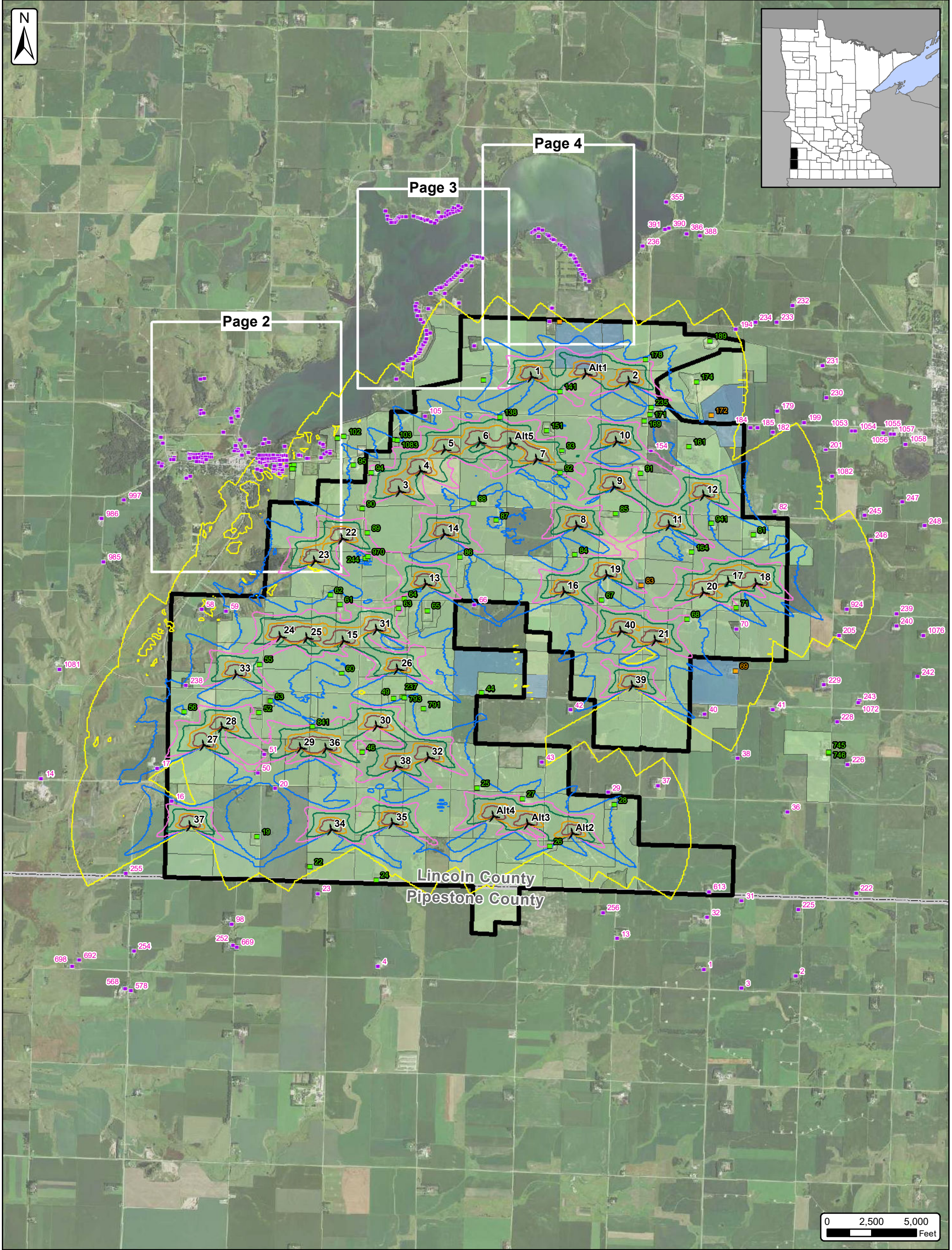


Buffalo Ridge Wind

Figure 16 - Shadow Flicker Modeling Results

Lincoln County & Pipestone County, Minnesota

Page 1 of 4



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Modeled Shadow Flicker Expected Values (Hours Per Year)</p> <ul style="list-style-type: none"> 0 10 30 50 100 150 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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**COMMERCE
DEPARTMENT**

SOURCE: USDA NAIP 2017 IMAGERY

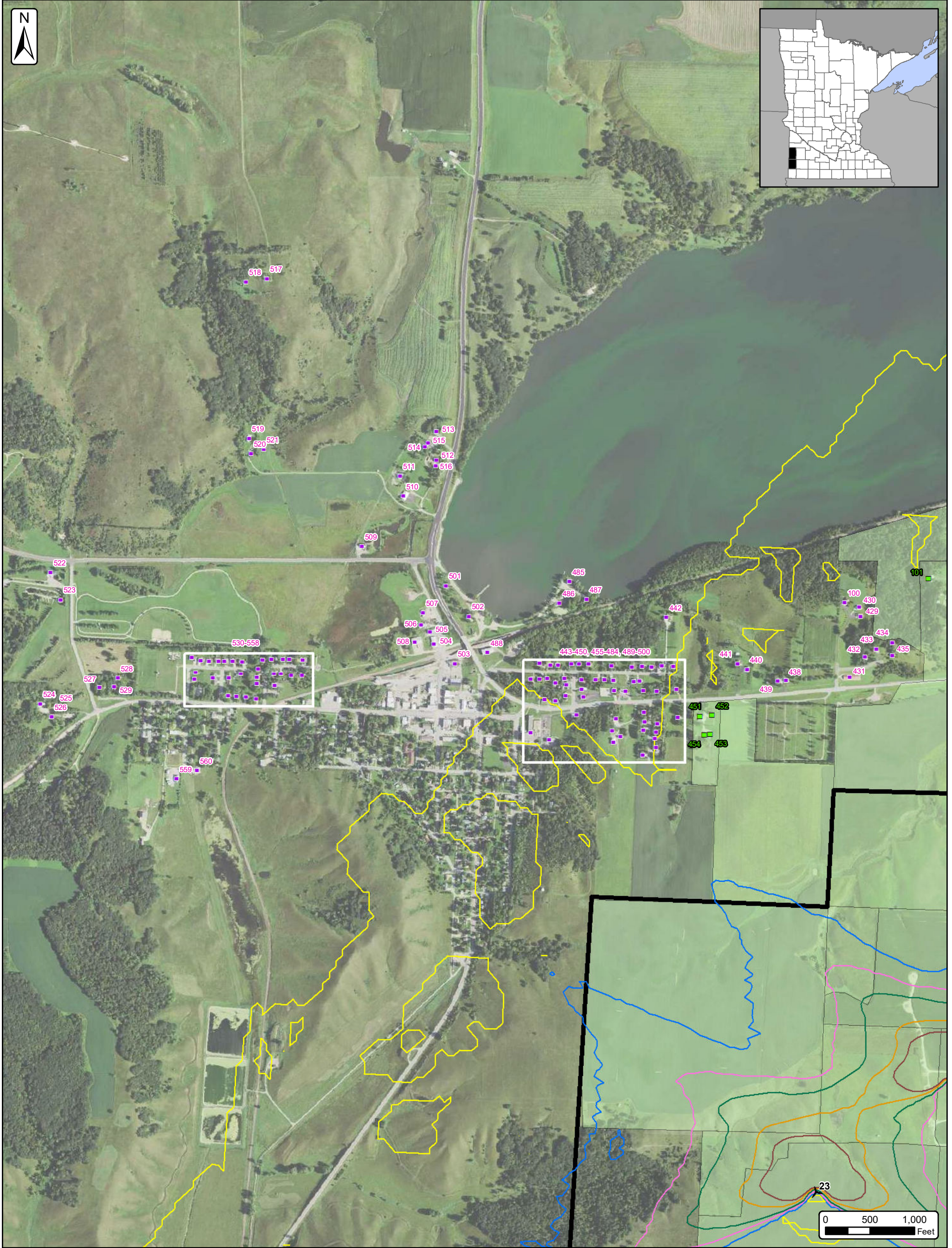
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Buffalo Ridge Wind

Figure 16 - Shadow Flicker Modeling Results

Lincoln County & Pipestone County, Minnesota

Page 2 of 4



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Modeled Shadow Flicker Expected Values (Hours Per Year)</p> <ul style="list-style-type: none"> 0 10 30 50 100 150 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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DEPARTMENT**

SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 16 - Shadow Flicker Modeling Results

Lincoln County & Pipestone County, Minnesota



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Modeled Shadow Flicker Expected Values (Hours Per Year)</p> <ul style="list-style-type: none"> 0 10 30 50 100 150 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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**COMMERCE
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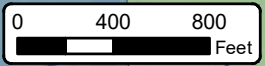
SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 16 - Shadow Flicker Modeling Results

Lincoln County & Pipestone County, Minnesota



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|--|--|---|
| <ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel | <p>Modeled Shadow Flicker
Expected Values (Hours Per Year)</p> <ul style="list-style-type: none"> 0 10 30 50 100 150 | <ul style="list-style-type: none"> Project Area
5/9/2019 (±17,609 Ac.) Counties |
|--|--|---|



SOURCE: USDA NAIP 2017 IMAGERY

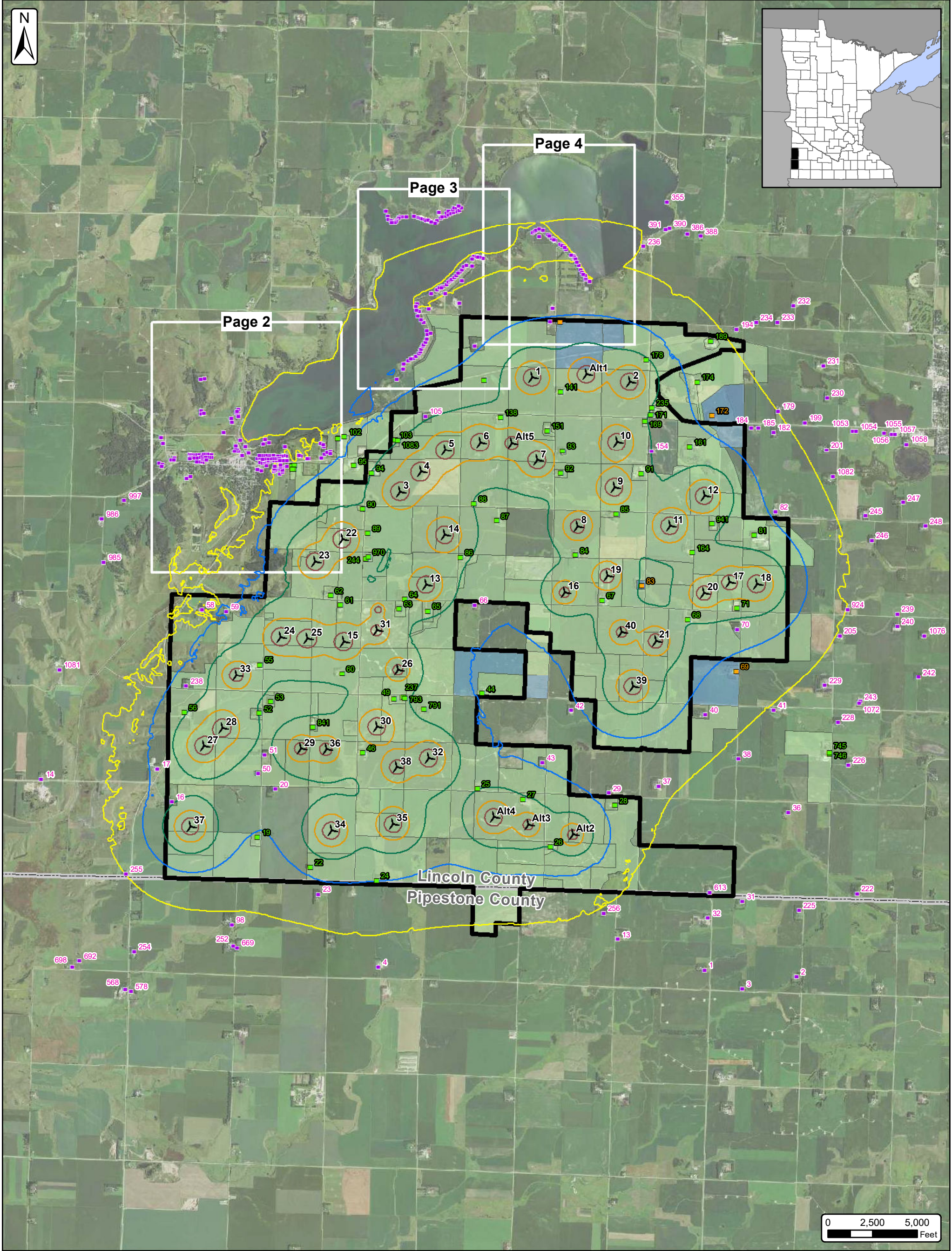
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Buffalo Ridge Wind

Figure 17 - Project Only L₅₀ Sound Level Modeling Results

Lincoln County & Pipestone County, Minnesota

Page 1 of 4



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Project Only L₅₀ Modeling Results (dBA)</p> <ul style="list-style-type: none"> 35 40 45 50 55 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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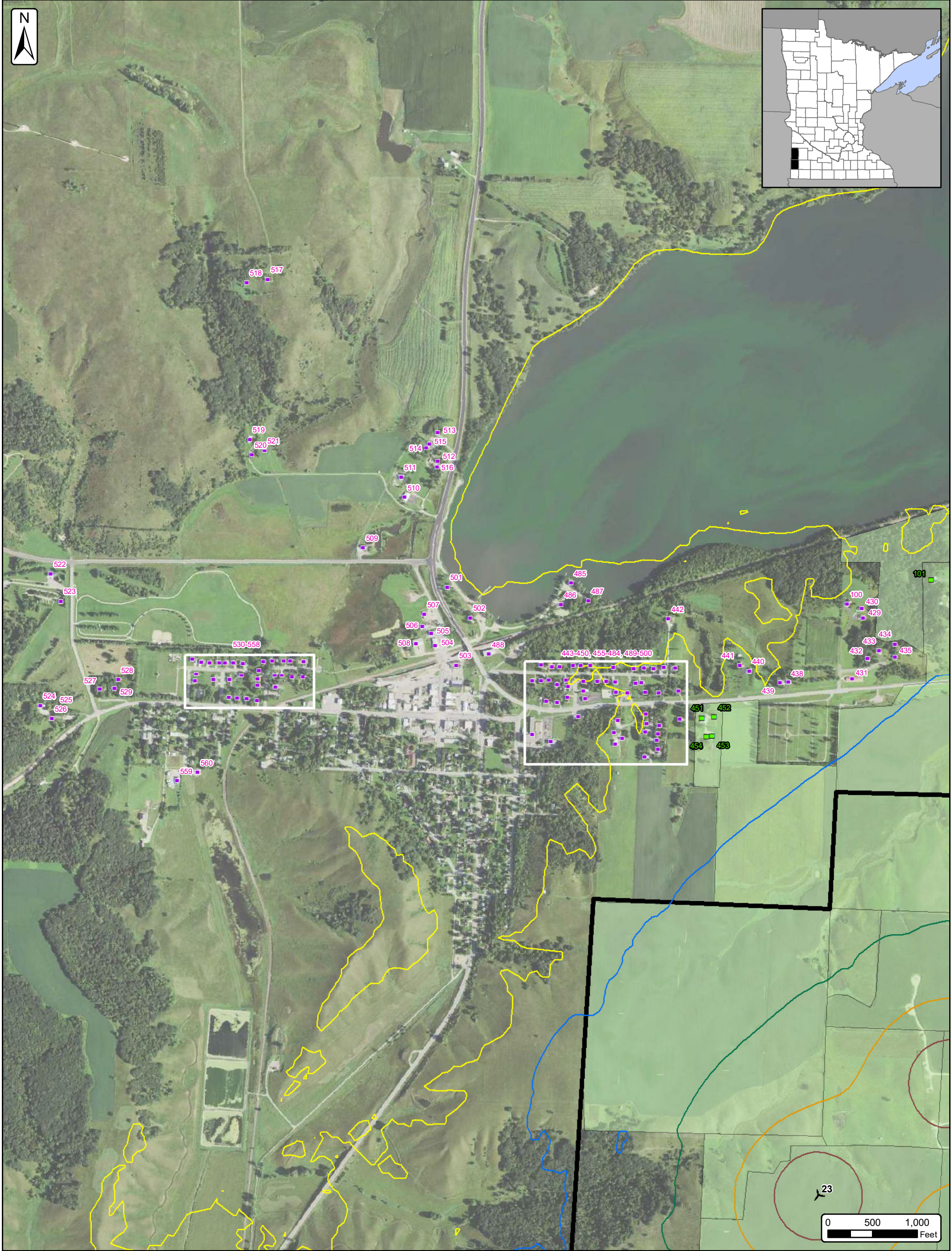
SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 17 - Project Only L₅₀ Sound Level Modeling Results

Lincoln County & Pipestone County, Minnesota



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Project Only L₅₀ Modeling Results (dBA)</p> <ul style="list-style-type: none"> 35 40 45 50 55 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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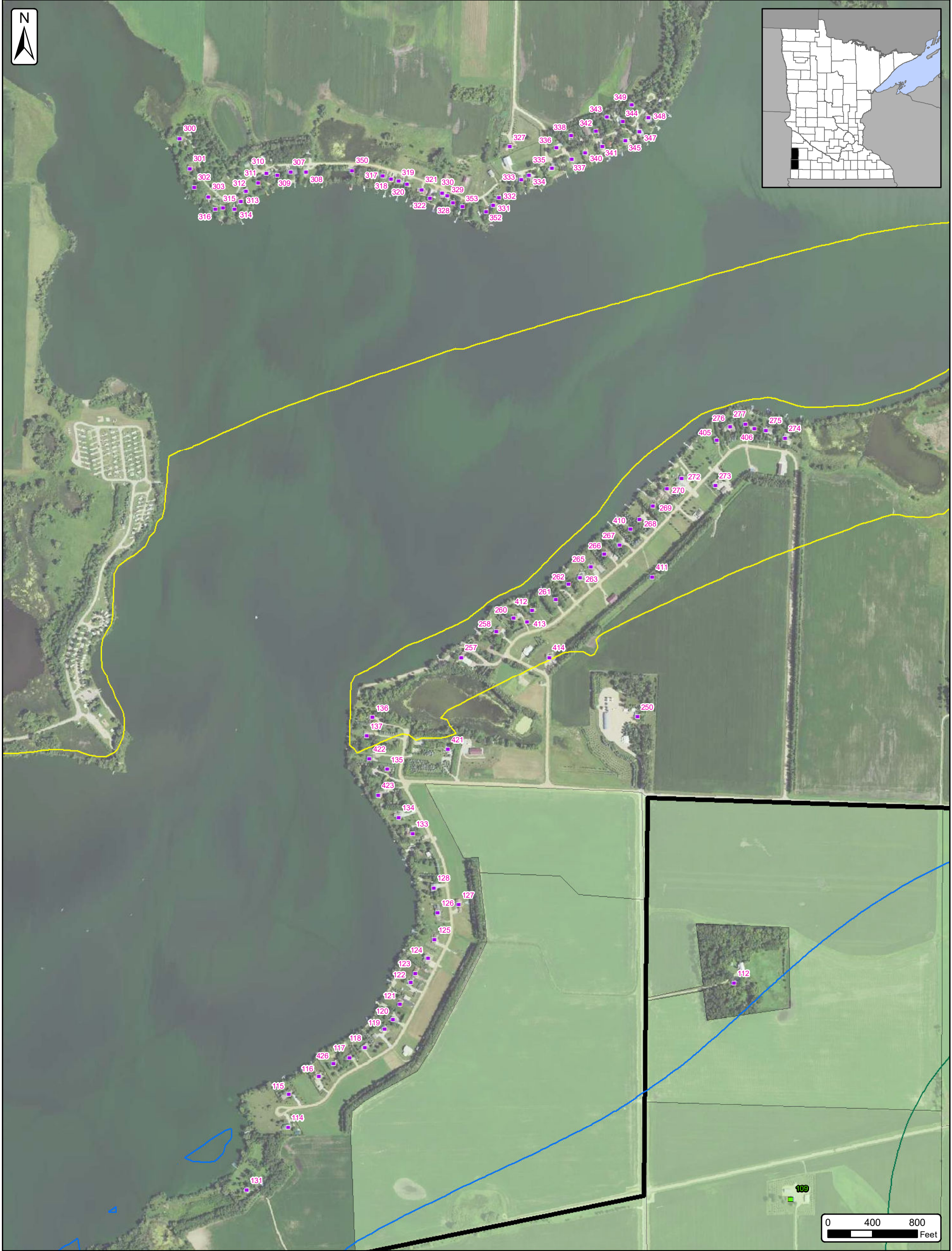
SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 17 - Project Only L₅₀ Sound Level Modeling Results

Lincoln County & Pipestone County, Minnesota



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Project Only L₅₀ Modeling Results (dBA)</p> <ul style="list-style-type: none"> 35 40 45 50 55 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 17 - Project Only L₅₀ Sound Level Modeling Results

Lincoln County & Pipestone County, Minnesota



<ul style="list-style-type: none"> Turbine Layout (5/22/2020) Participating Receptor Participating-Assumed Receptor Non-Participating Receptor Participating Parcel Participating-Assumed Parcel 	<p>Project Only L₅₀ Modeling Results (dBA)</p> <ul style="list-style-type: none"> 35 40 45 50 55 	<ul style="list-style-type: none"> Project Area 5/9/2019 (±17,609 Ac.) Counties
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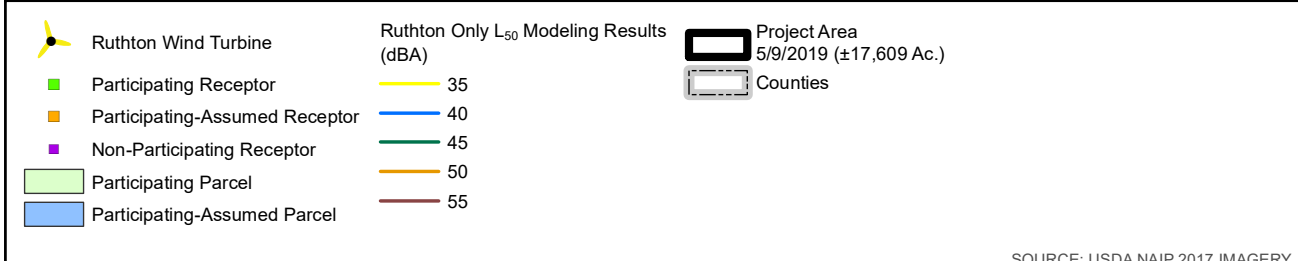
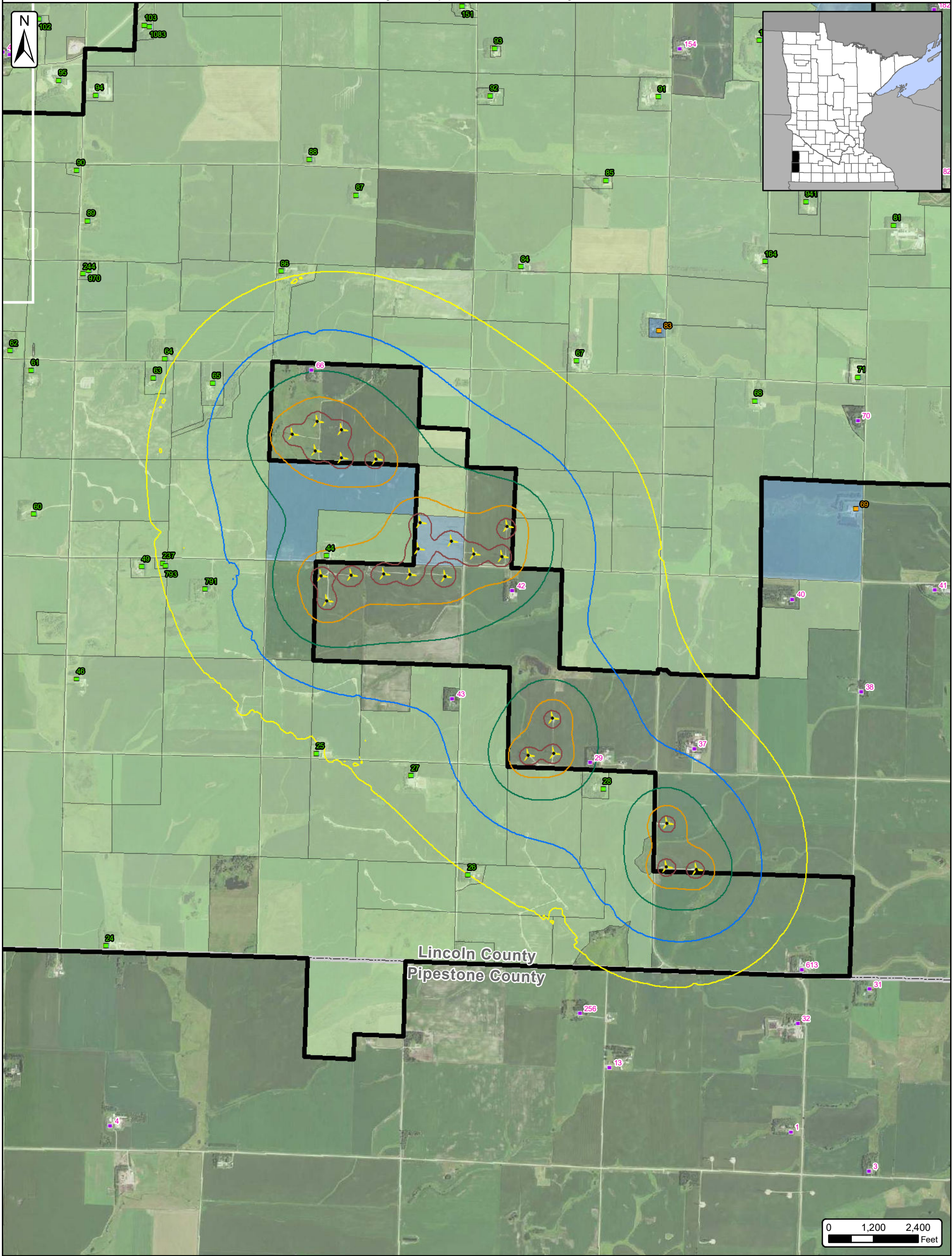
SOURCE: USDA NAIP 2017 IMAGERY

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Buffalo Ridge Wind

Figure 18 - Ruthton Only L₅₀ Sound Level Modeling Results

Lincoln County & Pipestone County, Minnesota



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SOURCE: USDA NAIP 2017 IMAGERY

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