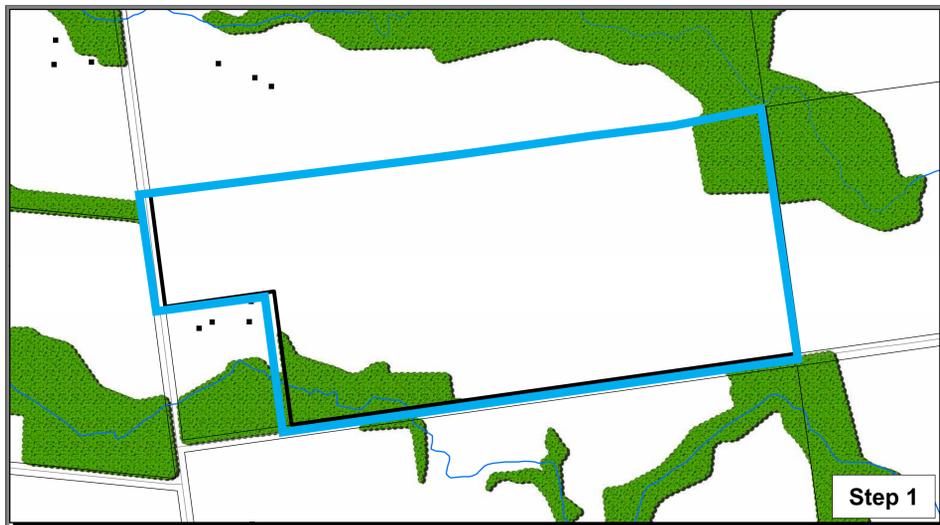
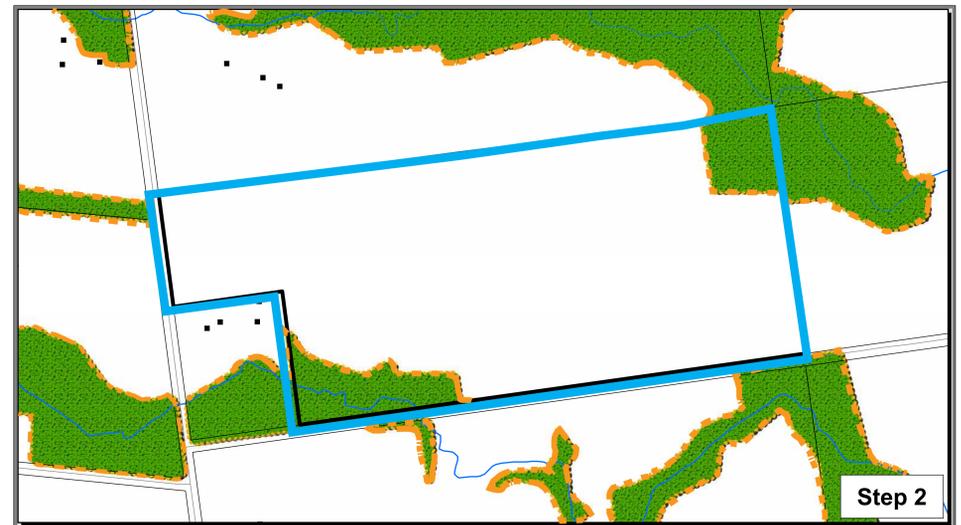


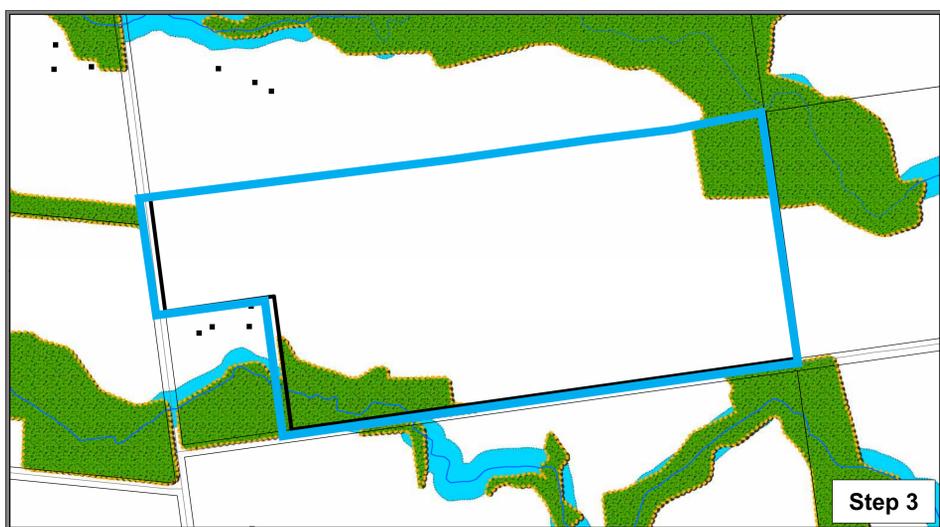
Turbine Siting Process



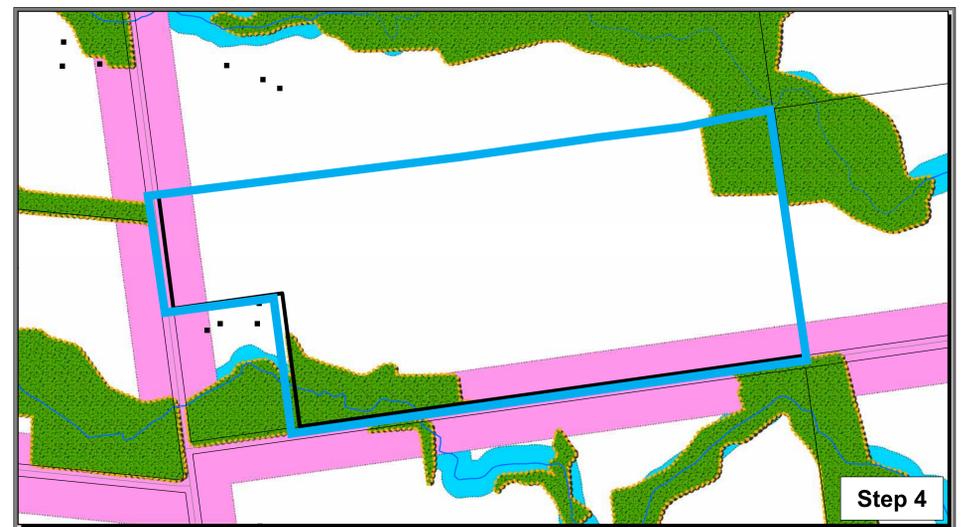
Step 1: Work with local landowners to option land



Step 2: Identify terrestrial constraints



Step 3: Identify aquatic constraints



Step 4: Identify local infrastructure constraints



Step 5: Identify socio-economic constraints



Step 6: Site turbine within remaining land available

Legend

Turbine Location	Socio-Economic	Setback
Terrestrial Features	Noise Receptor	Terrestrial Setback
Woodlots	Local Infrastructure	Aquatic Setback
Aquatic Features	Major Road	Local Infrastructure Setback
Waterbody		Socio-Economic Setback

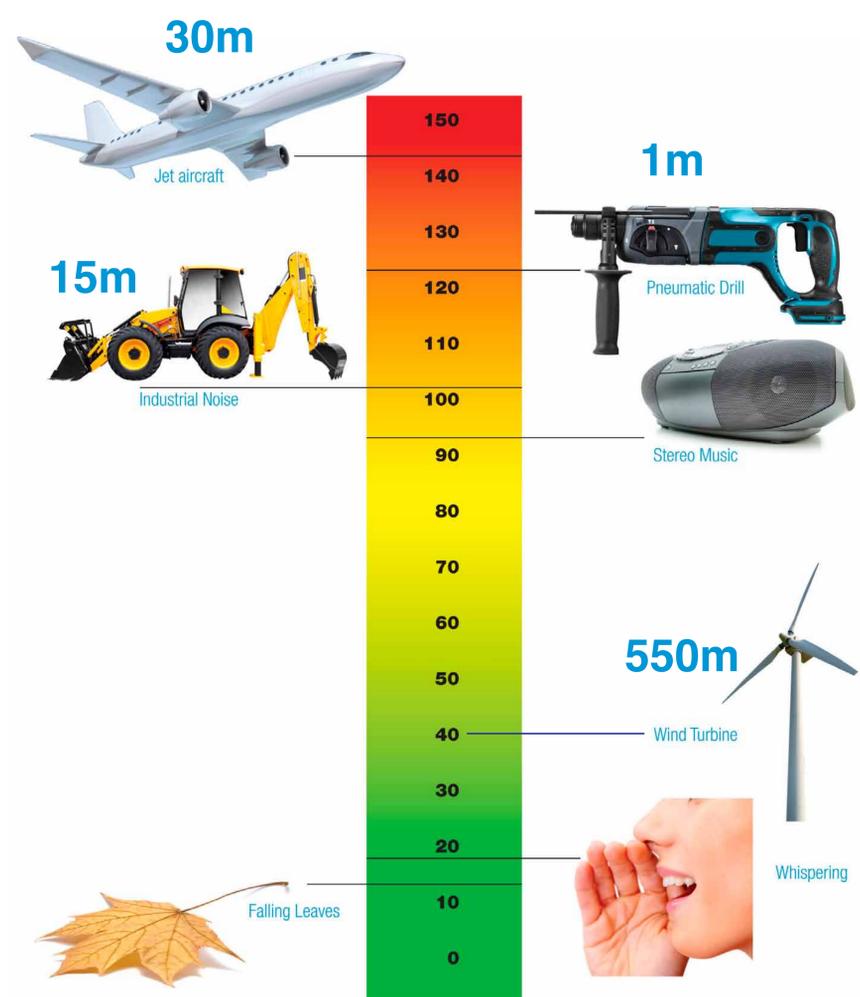
Noise Studies

Noise studies will be conducted to help determine the final turbine layouts. The noise studies comprise the following steps:

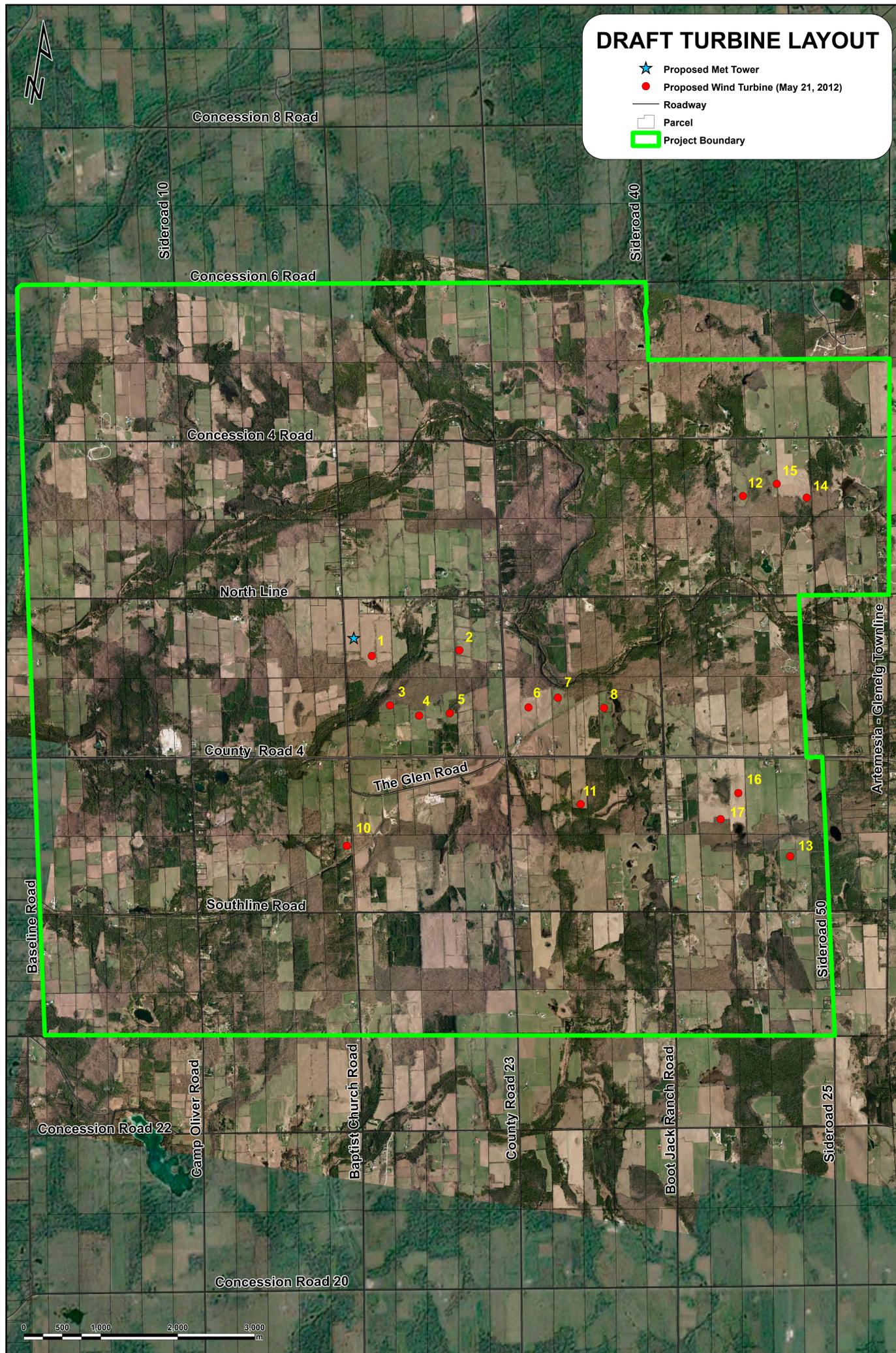
- **Step 1:** Identify points of reception – dwellings (typically houses) that are within 2km of the wind turbines
- **Step 2:** Obtain wind turbine specifications and noise emission ratings from the manufacturer
- **Step 3:** Using initial wind turbine layouts, predict the noise levels generated at points of reception using a noise prediction model to ensure allowable limits are not exceeded. The noise model is designed in accordance with standards set by the Ministry of Environment (MOE)
- **Step 4:** Using the noise model results, turbine layouts will be revised as necessary to ensure that the final turbine layouts meet all applicable noise guidelines

Noise requirements under Renewable Energy Approval Regulation (O.Reg. 359/09)

- Wind turbines will be set back from dwelling units that are not part of the project by at least 550m (1804ft) and must be at or below 40dBA.
- Noise from turbines must meet provincial noise limits as outlined in MOE publication 4709e “Noise Guidelines for Wind Farms”



Project Boundary and Draft Turbine Layout



Effects Assessment

Potential effects will be assessed based on the following:

- ✦ Archaeological sites;
- ✦ Natural Heritage (e.g. birds, bats, wetlands etc.);
- ✦ Water Bodies;
- ✦ Cultural Heritage features;
- ✦ Noise; and
- ✦ Shadow flicker.

The diagram below shows the process followed for the effects assessment:

