

Bow Lake Wind Project

Visual Simulations

A number of photomontages have been produced to illustrate the potential visual impacts of the Bow Lake wind turbines.

Single photographic images taken with a normal or standard lens gives a relatively narrow field of view and whilst giving a sense of scale, and possible visibility does not give the same sense of setting that is seen by the naked eye. In order to mimic the eyes naturally wider field of view the photomontages provided have a view angle of approximately 100 degrees and have been produced by stitching individual images together.

The suns strength and its position in the sky, along with local weather (particularly cloud cover) can have an effect on how a turbine stands out against its background. The photomontages illustrate turbines under a range of different conditions and in order to ensure they are clearly visible on a number of images the turbine contrast has been increased by either making the turbines appear darker or brighter as appropriate.



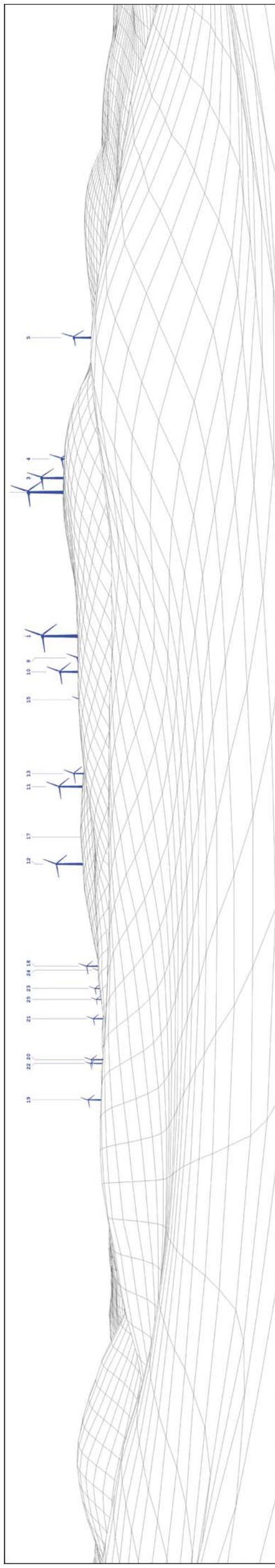
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PM01 – Highway 17 overlooking Gartshore Dam

Description: The view is representative of the intermittent views from Highway 17 afforded by gaps in the tree line. At 2km this is one of closest views of the Wind Farm from Highway 17.



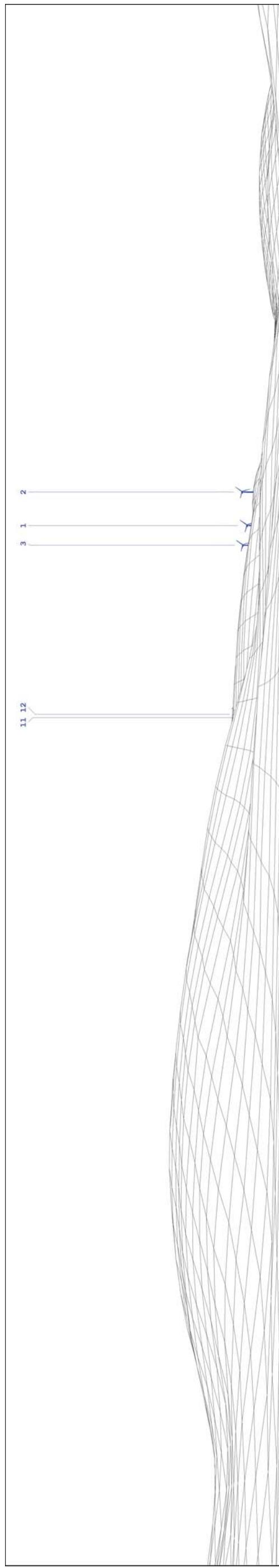
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PM02 – View from the Crescent Lake and Campground

Description: The view is representative of views from one the closest campsite areas to the wind farm, Crescent Lake Campground located in the Lake Superior Park. The photograph was taken from the frozen lake surface looking south towards the wind farm and campground (views from the campground itself) are obscured by tree growth. Distance to nearest turbine is around 5km.



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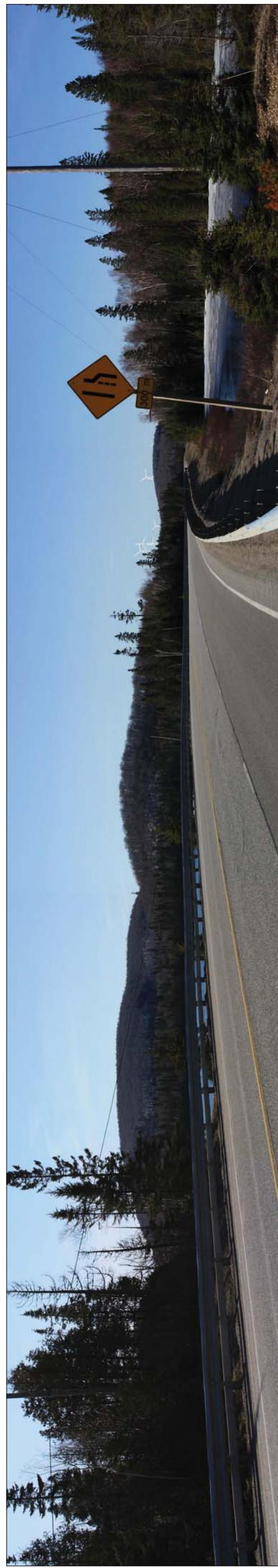
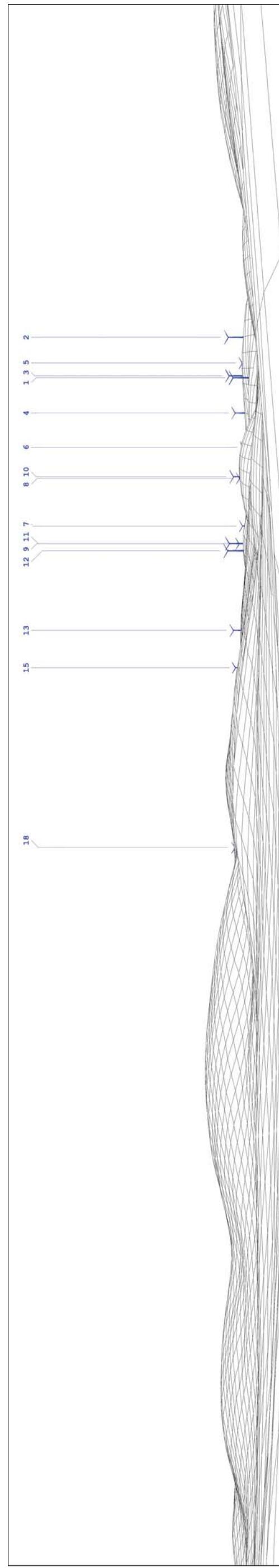
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PM03 – View from Highway 17 across Kenny Lake

Description: The view is from Highway 17, just North of the bridge across Kenny Lake. It is representative of views from this stretch of Highway 17 and surrounding area. The distance is approximately 5km to nearest turbine.

The turbines brightness has been enhanced in order to simulate the effect of direct strong sunlight striking the machines.



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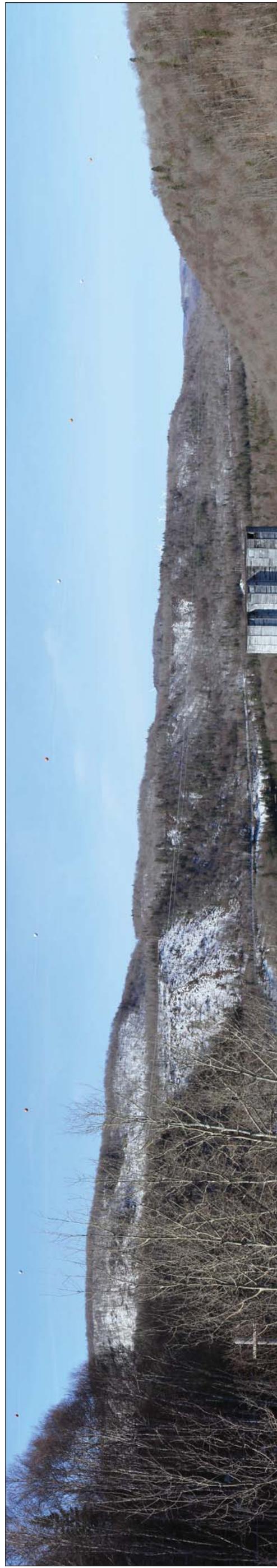
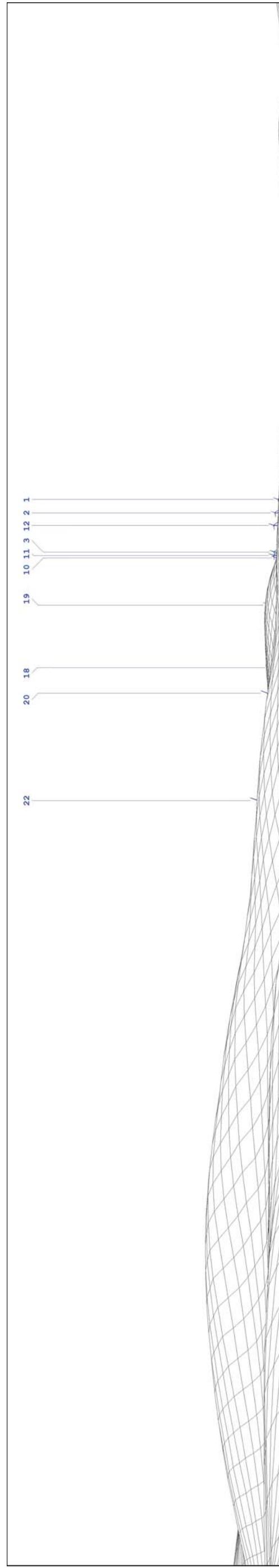
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Visual Simulations

PM04 – Algoma Central Railway Bridge at Montreal River Mile 92

Description: The view is from the Algoma Central Railway line at the Montreal River crossing. The distance to nearest turbine is approximately 6km

Notes: The turbine brightness has been enhanced in order to simulate the effect of direct strong sunlight striking the machines. As before the wireframe viewing height has been increased to mimic the viewing height from one of the train's carriages.



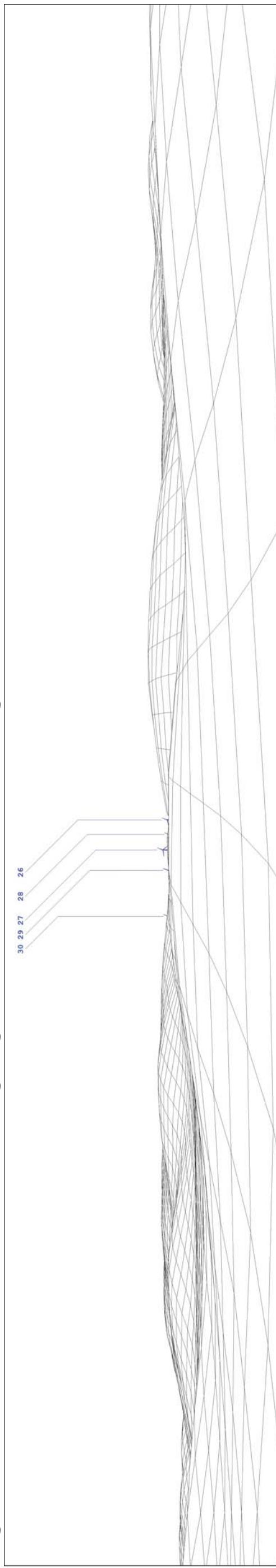
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PM05 – Algoma Central Railway line between the Regent and Rand sidings

Description: The view is from the Algoma Central Railway line south of the Montreal River and illustrates the constraining effects of tree growth on long range visibility. Distance to nearest turbine 8km. This viewpoint illustrates one of the few locations on the railway line where any views of the wind farm are possible.

Notes: The image illustrates the difficulty of finding clear views through a gap in the tree line towards Bow Lake and in this instance the view is largely obscured by trees. A wireframe is included to illustrate visibility in absence of tree line. The wireframe viewing height has been increased to mimic the viewing height from one of the train's carriages.

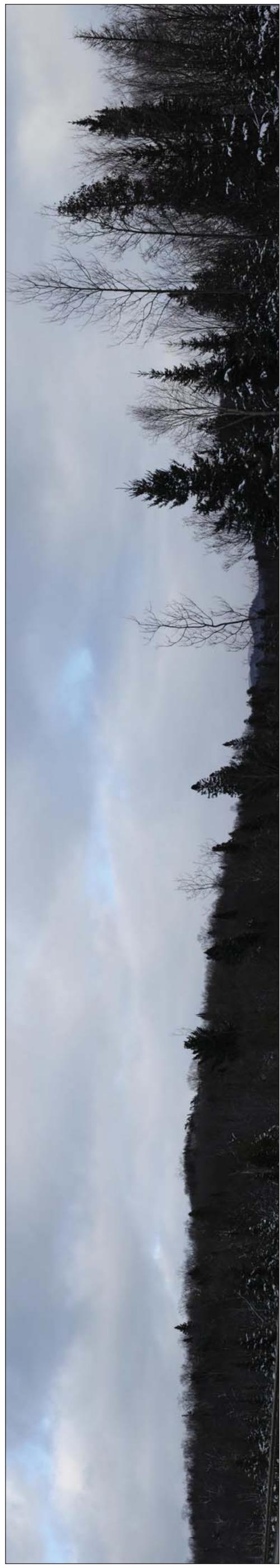
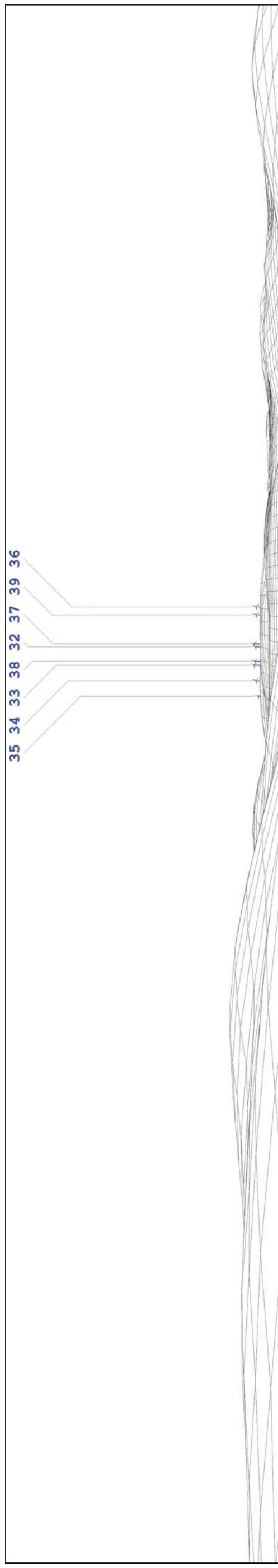


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PM06 – Highway 17 North of Alona Bay Lookout

Description: This image is representative of possible views through the tree gaps on Highway 17 just north of Alona Bay. Distance to nearest turbine is approximately 11km.



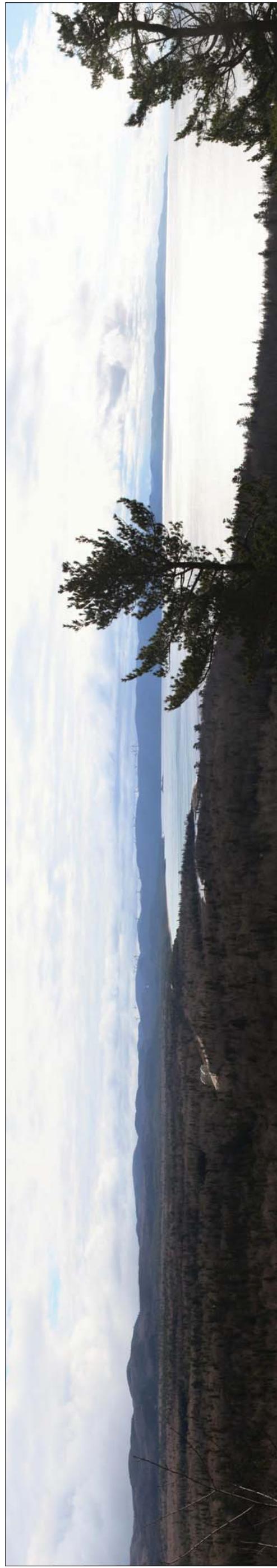
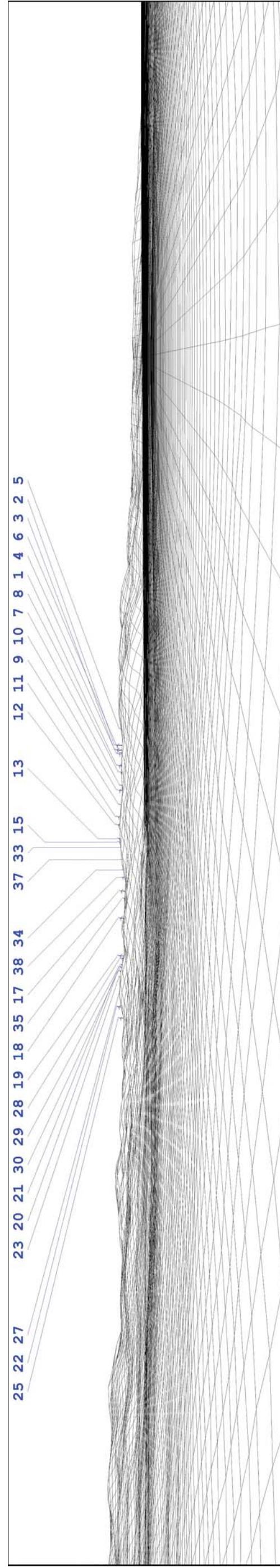
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PM07 – Awausee Hiking Trail

Description: The view is from the Awausee hiking trail and illustrates possible views from clearer points on the trail. The distance to the nearest turbine is around 16km

Notes: As is evident from the photograph there was some haze on this survey day and the visibility of the turbines would also have been significantly reduced by this particularly at this distance. The turbines have been rendered darker to ensure they are clearly visible in the photomontage.



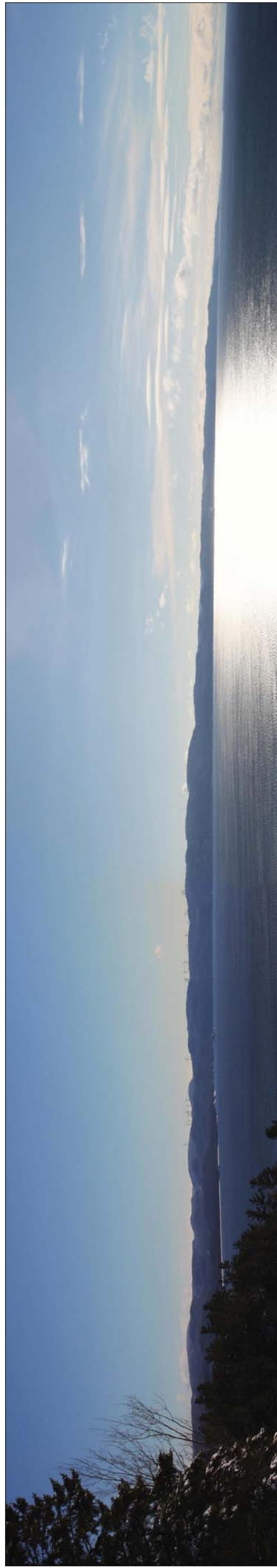
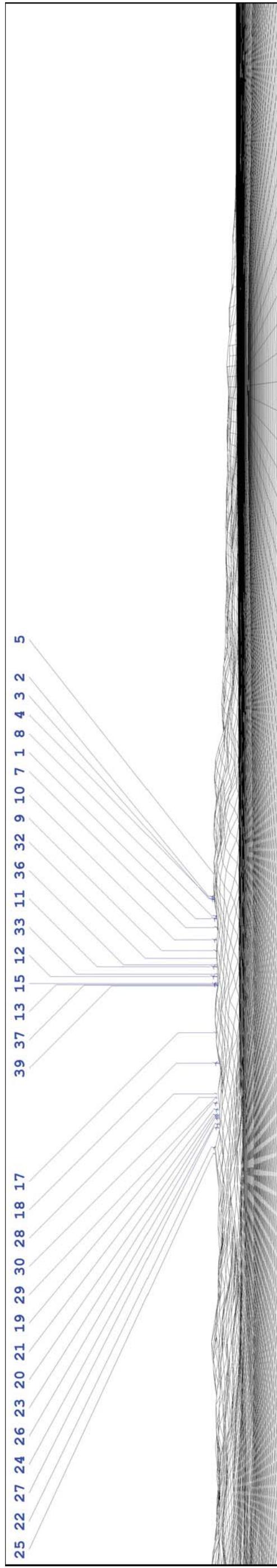
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PM08 – Highway 17 Agawa Point Lookout

Description: The view is from a defined viewing area on Highway 17 serving as a lookout point across Lake Superior. The distance to the nearest turbine is around 16km.

Notes: The turbine contrast on the image has been increased by making the Turbines darker to ensure they are clearly evident. In reality they are likely to be significantly more muted at this distance.



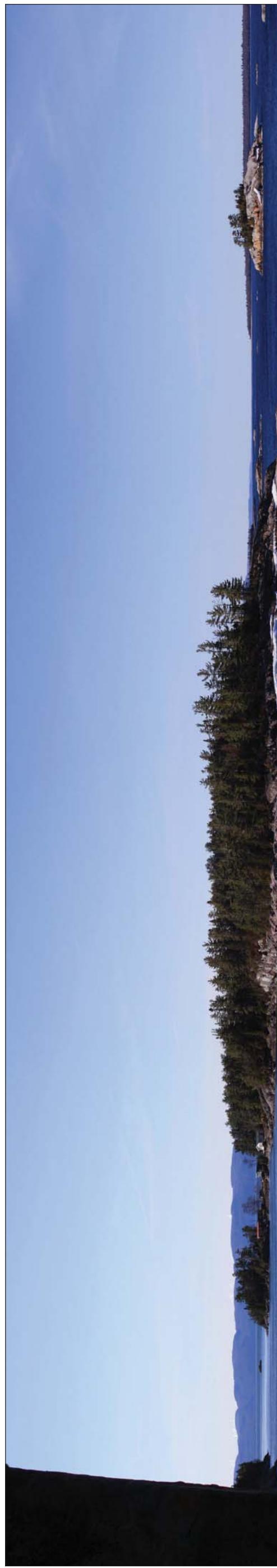
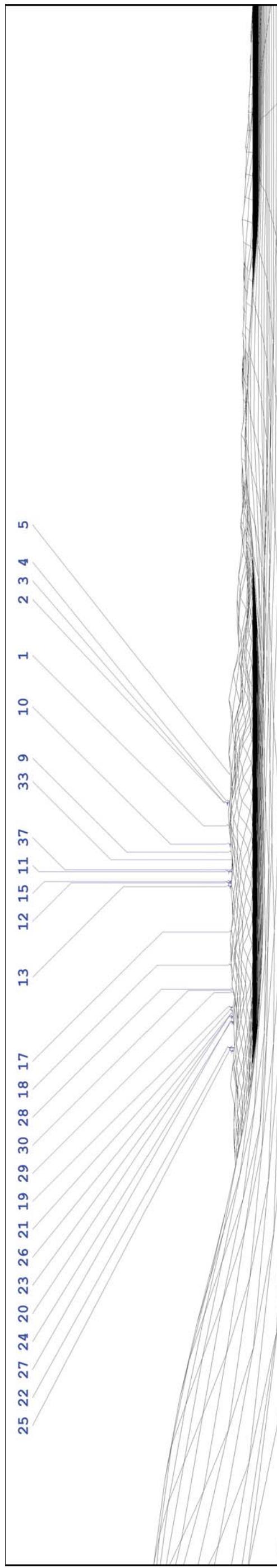
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PM09 – Agawa Pictographs and Trail

Description: The view is from the path leading to the Agawa Pictographs and is representative of views from the path and the rocks themselves. The distance to nearest turbine is approximately 18km

Notes: The turbines brightness has been enhanced in order to simulate the effect of direct strong sunlight striking the machines.



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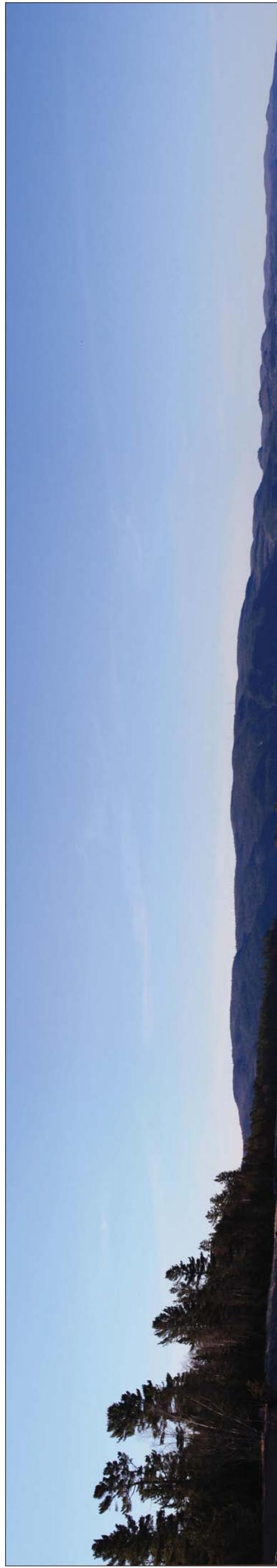
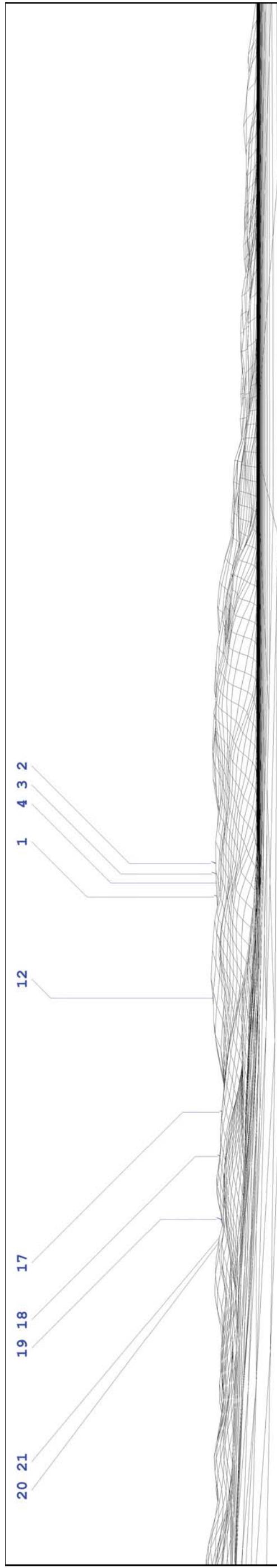
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Visual Simulations

PM10 – Agawa Bay Interpretive Center and Camp ground – Beach

Description: The main view from the beach at the Agawa Bay Interpretive Centre is towards Lake Superior. The distance to nearest turbine is approximately 12km

For this image taken on a brighter day, the turbines brightness has been enhanced in order to simulate the effect of direct strong sunlight striking the machines



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