Opportunity Areas for Expanding Kirtland’s Warbler Nesting Habitat in Wisconsin and Upper Peninsula of Michigan

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The Authors

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Wisconsin

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Map Produced: December 2020

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Data Sources

Environmental site potential data were obtained from Landfire (LANDFIRE 2014) environmental site potential (ESP) data to identify the categories with greater historical warbler occupancy. ESP data were used because they provide comparable “fit-for-use” confidence for the entire study area and focus on potential habitat development rather than existing cover types. The resulting categories were then overlaid with the 2014-2015 Kirtland’s warbler aerial surveys and the Digital Orthophoto Quadrangles (DOQs) to create maps showing the number of areas suitable for each category. Lastly, land ownership (public and private) was integrated to enhance public-private partnerships for habitat management to create larger nesting habitat complexes that can be maintained in the future on a rotating basis. Summarizing the conservation goal of 300 Kirtland’s warbler nesting pairs outside of their core nesting area in northern Lower Michigan will require representing adequate amounts of young pine forests on the landscape annually, and public-private partnerships will be a key element towards this goal.

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References


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Projection: Transverse Mercator
False Easting: 520000m False Northing: -4480000m
Central Meridian: -90.0 Scale Factor: 0.9996
Latitude of Origin: 0.0
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