



City Forest Credits

Afforestation and Reforestation Project Application

1. Project Name

For example: Ballinger Open Space Planting Project

Minneapolis Park and Recreation Board Planting Project 2022

2. Project Operator

Provide the name of organization/entity and contact information for the Project Lead

Organization/Entity: Green Minneapolis

Address: 81 South 9th Street, Suite 260

City: Minneapolis

State: MN

Zip: 55402

Contact(s): Michaela Neu

Phone: 320-309-3158

Email: mneu@greenminneapolis.org

3. Project Location

Project must be in or adjacent to one of the following. Describe which one of the criteria the project meets and provide name of city, town, or jurisdiction where project is located.

- *“Urban Area” per Census Bureau maps*
- *An incorporated or unincorporated city or town*
- *A planning area for a regional metropolitan planning agency or entity*
- *Land owned, designated, and used by a municipal or quasi-municipal entity for source water or watershed protection*
- *A transportation or utility right of way through one of above*

This project is located at multiple sites within the City of Minneapolis, MN, meeting the project area eligibility criteria of being in an incorporated city.

4. Project Description

Provide short narrative of the overall project goals, location where trees will be planted, land ownership or eligibility to receive credits, approximate number of trees or acres, main tree species, and project timeframe.

Green Minneapolis and the Minneapolis Park and Recreation Board (MPRB) are partnering on a second urban tree planting project to issue carbon credits in the State of Minnesota. Green Minneapolis

will serve as the Project Operator and MPRB will plant and maintain the trees. This project includes 8,598 trees that were planted within the city limits of Minneapolis, MN from April to October in 2022 by the MPRB. The trees have been planted in public right-of-way along city streets as well as on other park board land where MPRB has the authority to plant and maintain trees. The method of planting is single-tree dispersed.

5. Project Impacts

Provide short narrative of the environmental, social, and health impacts this project will achieve. Examples include how the project addresses increased access to green spaces for under-resourced communities, flood control or watershed protection, benefits for human health and wellbeing, improved recreation opportunities, or protection of bird and wildlife habitat.

In addition to sequestering carbon, this project has many other positive impacts on the residents of Minneapolis. This project helps address environmental equity disparities by prioritizing tree-plantings in areas of Minneapolis that have low percentage tree canopy cover. Trees planted in this project will reduce heat island effects, reduce stormwater runoff and capture particulate air pollution. Proceeds from the sale of carbon credits from this project will be reinvested in additional tree planting and maintenance performed by the MPRB.

6. Planting Design and Quantification Method

Provide short narrative about the planting design and quantification method you will use for the project. Refer to Protocol Appendix A for more detail.

- *Single Tree Quantification Method: trees planted in a dispersed or scattered design that are planted at least 10 feet apart (i.e. street trees). This method requires tracking of individual trees and tree survival for sampling and quantification.*
- *Clustered Quantification Method: trees planted at least 10 feet apart but are relatively contiguous and designed to create canopy over an area (i.e park-like settings). This method requires tracking change in canopy, not individual tree survival.*
- *Area Reforestation Quantification Method: tree planting areas greater than 5 acres and where many trees are planted closer than 10 feet. Higher tree mortality is expected and the goals are to create canopy and a forest ecosystem. Project Operators have several quantification models to choose from, all of which produce a carbon index on a per-acre basis.*

8,598 trees were planted using the single-tree dispersed design (spaced 10' or more apart, i.e. street trees or linear plantings). Due to the devastation of Minneapolis' urban tree canopy from Dutch Elm Disease in the 1970s and more recently from the Emerald Ash Borer, the MPRB typically plants two or more species of trees on each street. Species diversity helps reduce the losses that may occur from a future insect or disease infestation. The trees planted in this project represent dozens of species and varieties, with the majority being oak, hackberry, maple, ginkgo, catalpa, honeylocust and Kentucky Coffee Tree.

7. Additional Information

Provide additional information about your project. If the Project is part of a larger program or planting effort, include one sentence with more information. Examples include collaboration with other partners or how this project fits into a regional initiative.

This project is a part of a Green Minneapolis' Twin Cities Climate Resiliency Initiative, a public/private partnership focused on significantly expanding the urban tree canopy across Minneapolis and the 7 county Twin Cities metropolitan area. Designed to address the most harmful impacts of climate change on our region's residents, it is a 20 year vision to increase the Metro area's tree canopy by 30% through planting and maintaining millions of additional trees on public and private lands. This initiative includes identifying new funding sources for tree planting and maintenance, including establishing Minnesota's first urban tree carbon offset program.

Green Minneapolis has formed a coalition of environmentally focused organizations to support the initiative, including the Minneapolis Park and Recreation Board, Trust for Public Land, The Nature Conservancy, Minneapolis Parks Foundation, Friends of the Mississippi River, Mississippi Park Connection, Mississippi Watershed Management Organization, Sagiliti and the Minneapolis Regional Chamber.

Specifically, the Twin Cities Climate Resiliency Initiative goals are to:

- Significantly increase tree canopy coverage across the Twin Cities. The University of Minnesota's Twin Cities Metropolitan Area Urban Tree Canopy Assessment estimates that tree canopy coverage can be increased on average 30% across the metro area.
- Mitigate the Metro's major heat islands and equalize tree canopy coverage across environmentally disadvantaged parts of the metro area.
- Increase carbon sequestration and establish a local Carbon Offset Program to fund ongoing investments in climate resiliency.
- Significantly increase the amount of stormwater captured by trees.
- Significantly increase capture of particulate air pollution.
- Increase percentage of native and adapted tree species planted on public and private land to improve habitat for wildlife and pollinators.
- Develop a Green Economy urban arborist workforce recruited from local communities, trained to plant and maintain the Twin Cities tree canopy infrastructure.

8. Map

Provide a map of the Project Area.

See attached maps.

Signed on March 9 in 2023, by Michaela Neu, Director of Programs and Operations, for Green Minneapolis.

Michaela Neu

Signature

Michaela Neu

Printed Name

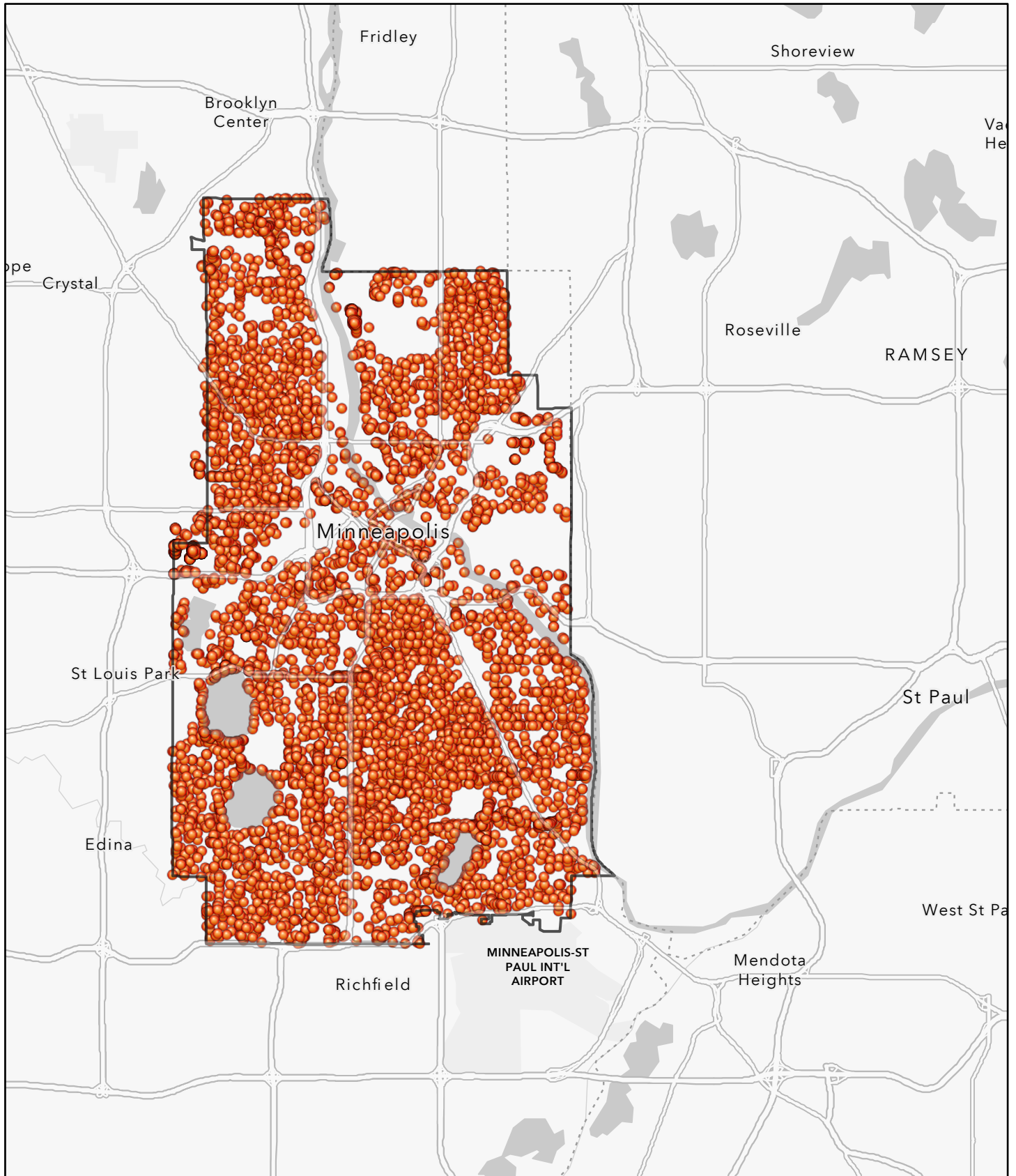
320-309-3158

Phone

mneu@greenminneapolis.org

Email

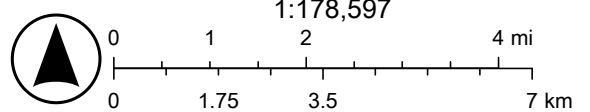
MPRB 2022 Planting Project 2 Area Map



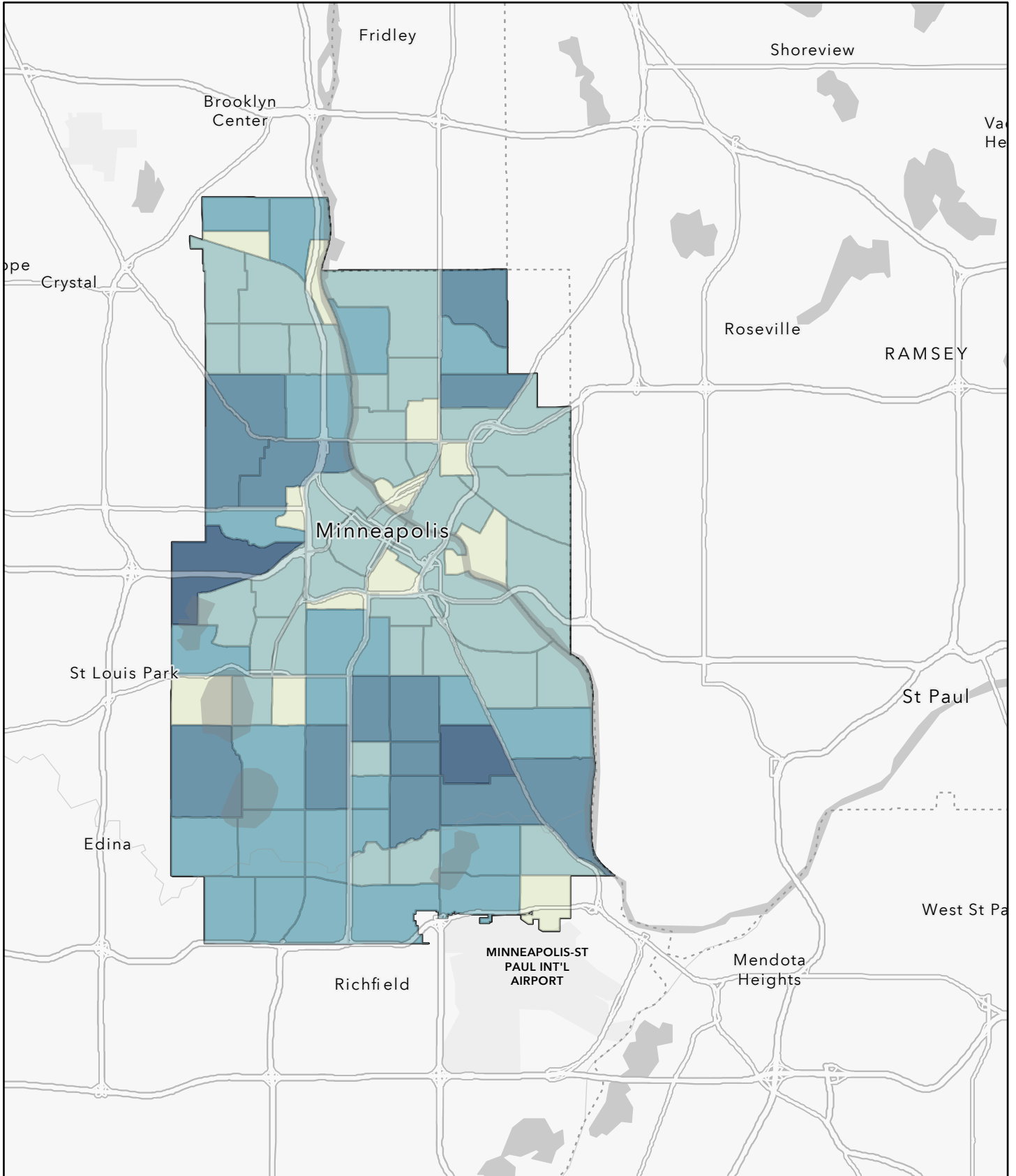
12/22/2022

 Minneapolis

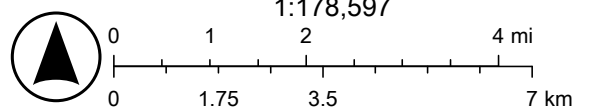
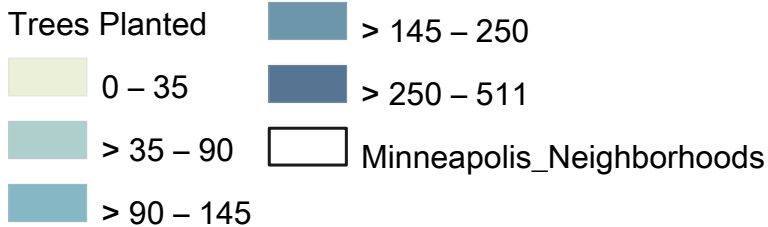
 MPRB Trees 2022



MPRB 2022 Planting Project 2 Trees Planted

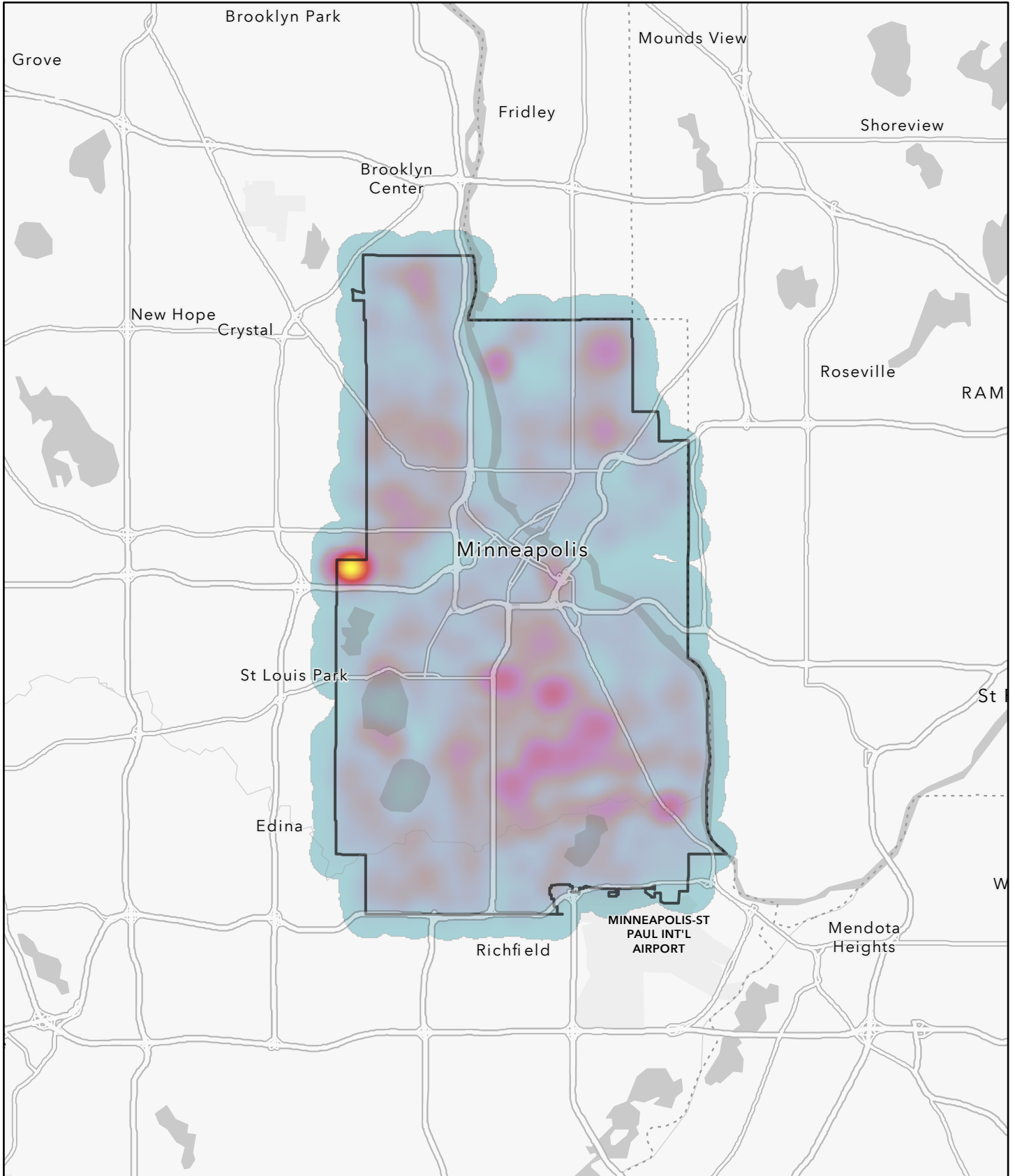


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Metropolitan Council, MetroGIS, Esri, HERE, Garmin, SafeGraph, METI/
NASA, USGS, EPA, NPS, USDA

MPRB 2022 Planting Project 2 Tree Density



12/22/2022

 Minneapolis

 Low

 High

