EnviroAtlas

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Neighborhood Indicators of Walkability using Fine-Scale Land Cover

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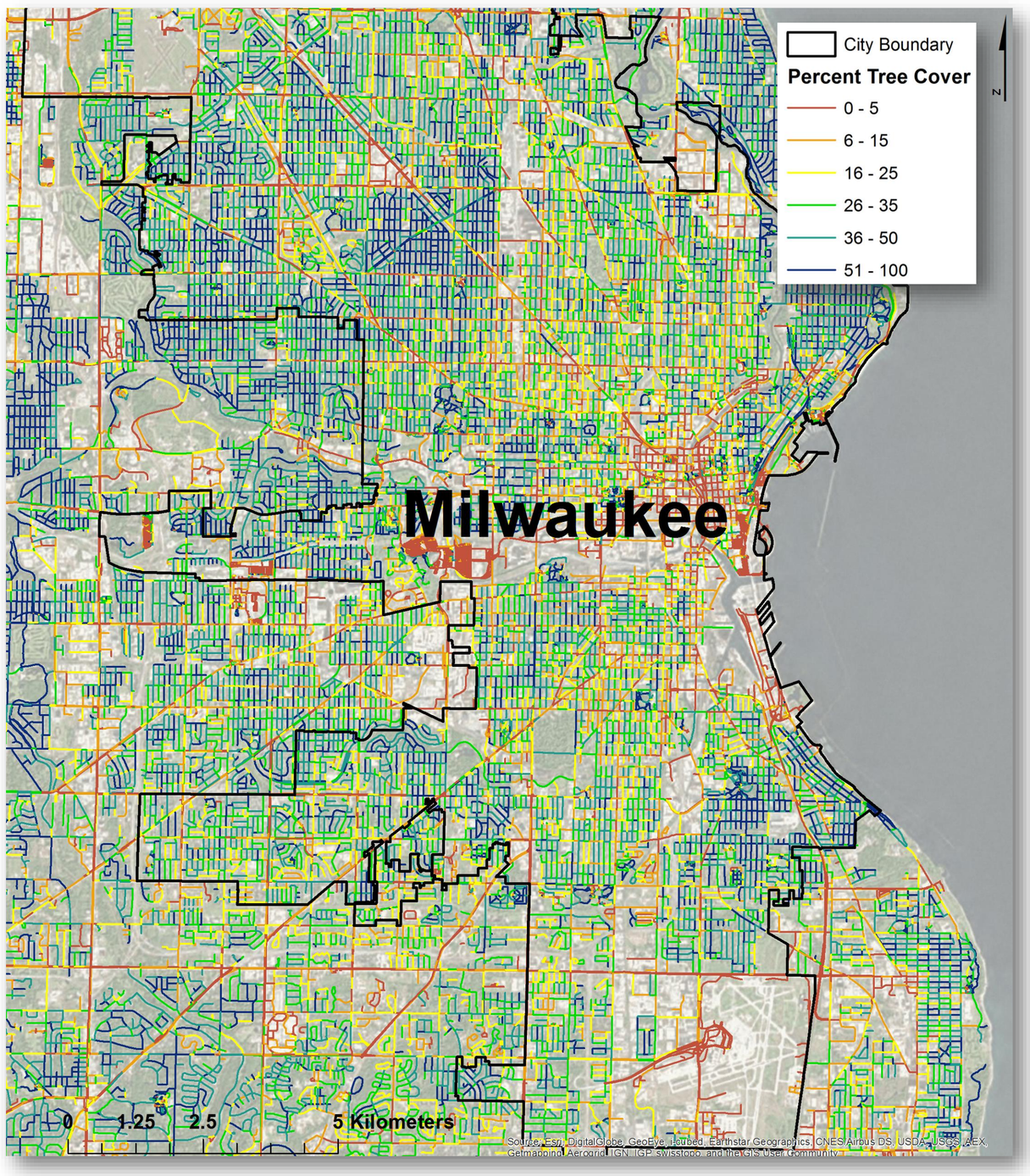
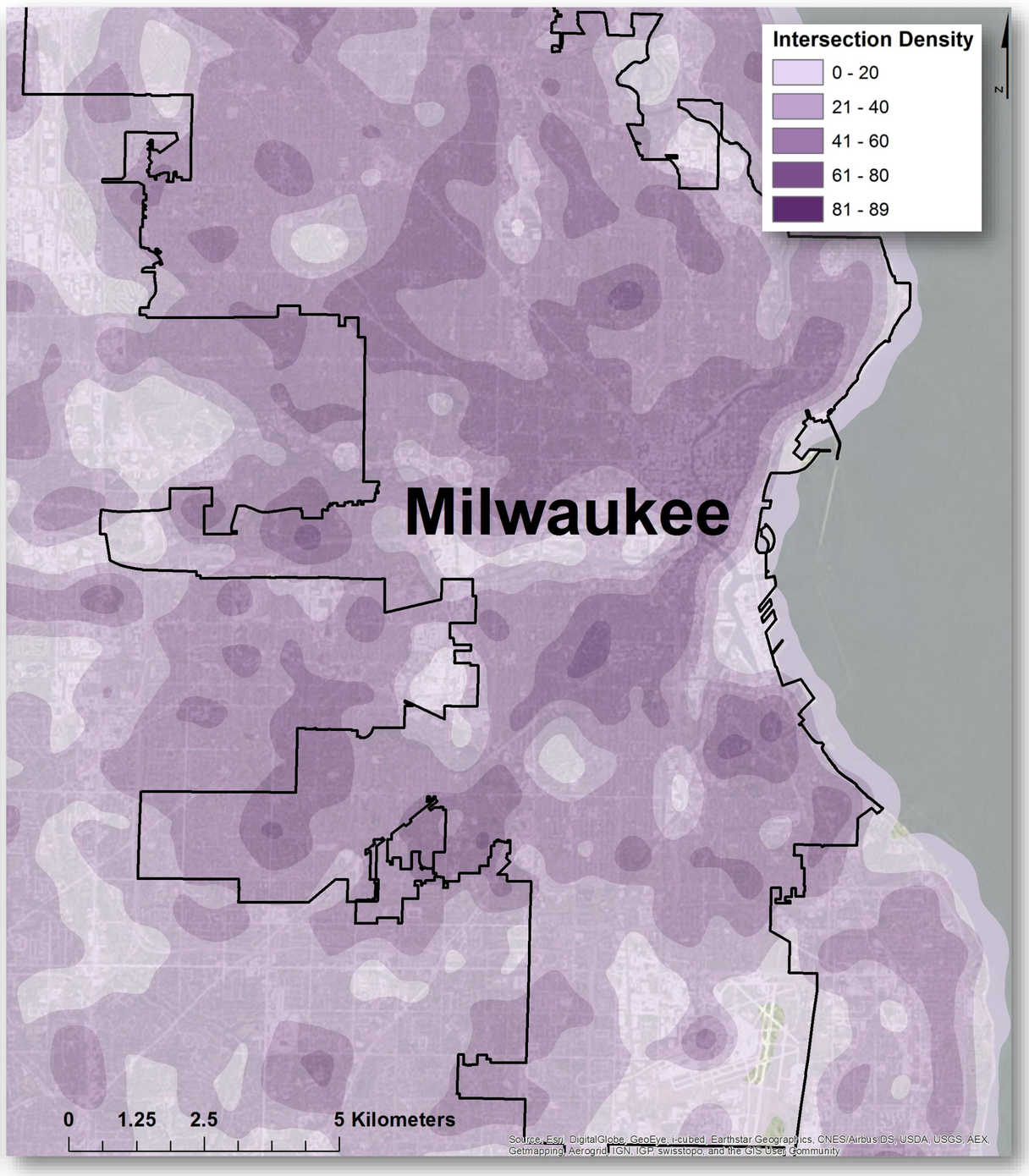
Street trees improve the walking environment by reducing heat and ultraviolet exposure, and enhancing aesthetics. These services can lead to healthier outdoor exercise and promote social engagement, resulting in better health and well-being.

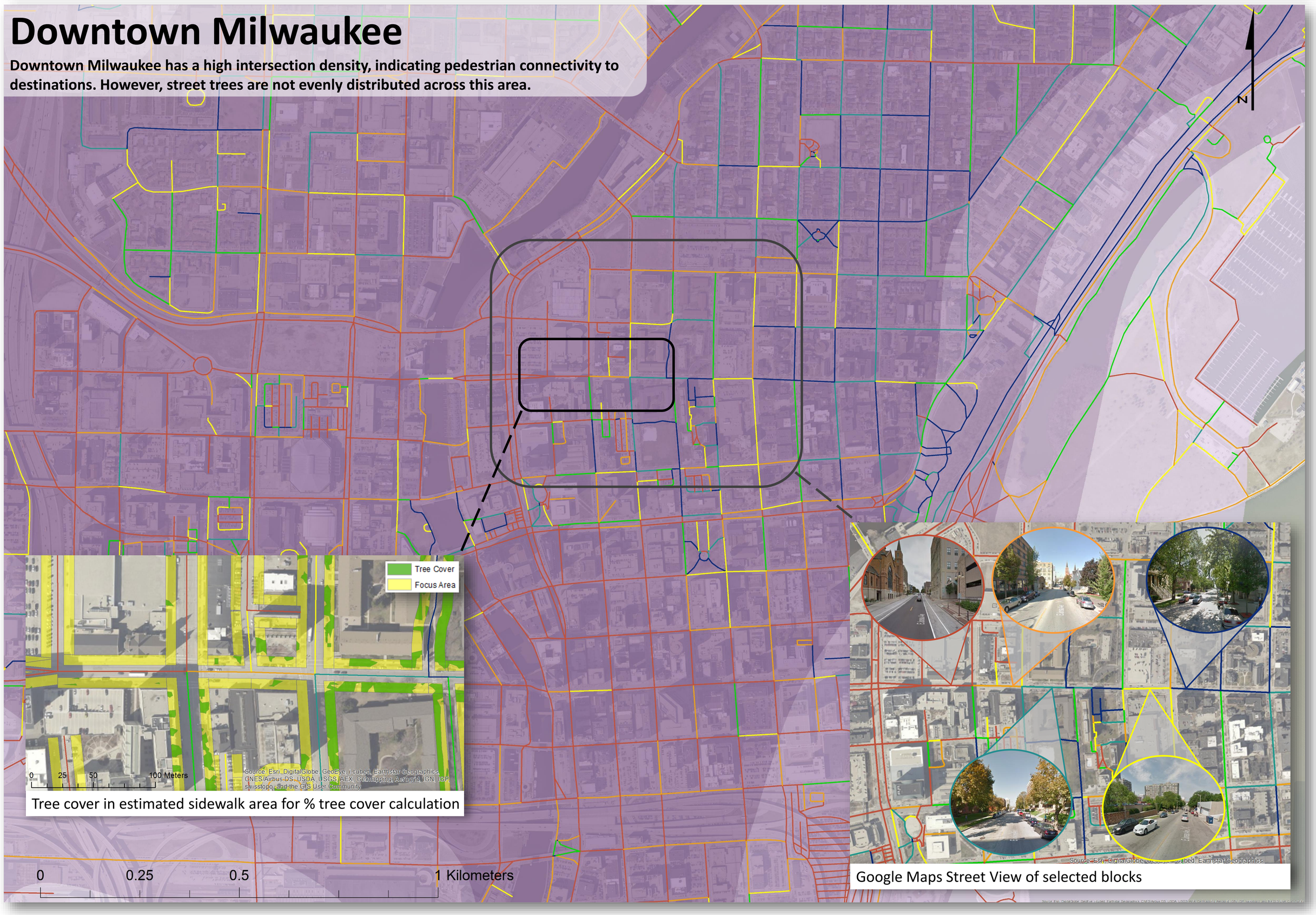


Intersection density has consistently been identified as a strong predictor of walking for transportation. This kernel density heat map of road intersections estimates where green infrastructure may improve conditions for active transportation.



Downtown Milwaukee

Downtown Milwaukee has a high intersection density, indicating pedestrian connectivity to destinations. However, street trees are not evenly distributed across this area.



Data Sources: NavTEQ Streets 2011, U.S. EPA EnviroAtlas 1-meter land cover classifications, Esri Aerial Imagery, Google Maps Street View
Software: ArcGIS 10.2.2

U.S. Environmental Protection Agency
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