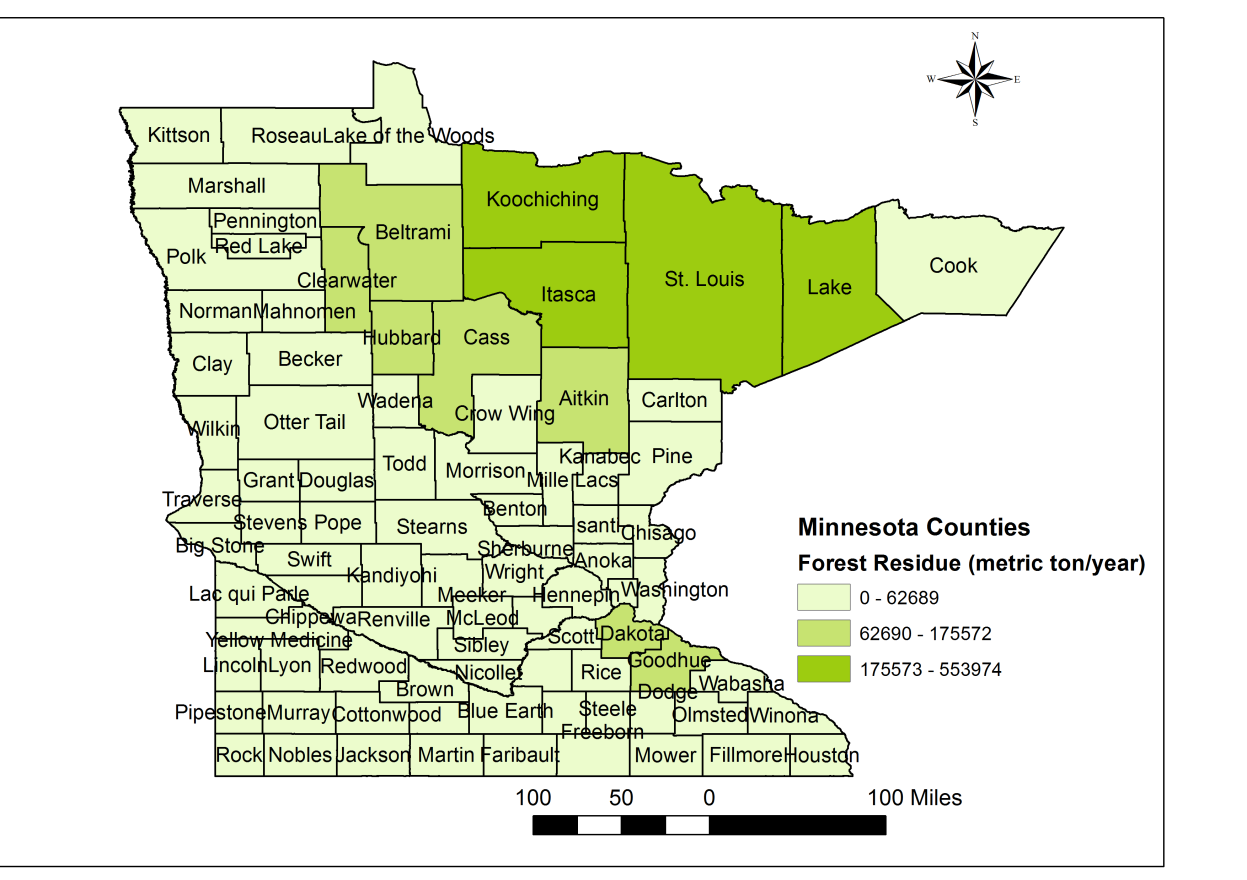
## Integrated supply chain design for commodity chemicals production via woody biomass fast pyrolysis and upgrading

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(a)

E:\phd\supply_chain\BioresouceTechnology\newdata\Minnesota_forest_residue_1104.tif

(b)

Figure S1. Forest residue availability and optimal facility locations for Minnesota State.