This reportsupports the gowing body of researchat demonstrates the between socioeconomic indicatorandtree coverA matched pairs design controlling for urban form showed astratified spatial sample of single detached housing UHDV LQ 7RURQWR¶V 3 Investment Neighourhood (PINs) featured significantly less tree cover than near residential areasot designated as a P.I. Raired sample areaswere selected based on the homogeneity of their built formandwerenear adjacento control fordevelopmentage The PIN statusserved as treatment troup because they have been established based on collectivesocioeconomic and demographic traitmilar tothosecited in the literature as predictive of or correlated with urban trecover. Such findings align with the environmental inequity hypothesis that invironmental benefits redisproportionately distributed among different socioeconomic groups in urban areathe same timemuch of the focuin previous studies as been on tree cowerth lessemphasis on the structral attributes of trees The structural attribuse of a tree communities importantin ensuring ts longevity and increasing the canopy, from where environmental benefits demicreasing the canopy cover is a chief objective for many cities, including onto and relies on large treerowth A diverse and healthtree population contributes to the long term presence of large trees and their canopy, so genus and size claistribution were also examined for stretes in the right-of-way (ROW). Withthis, the planning implications and approache towards a more equitable distributionverediscussed

A. Described & Answers

SURP-898







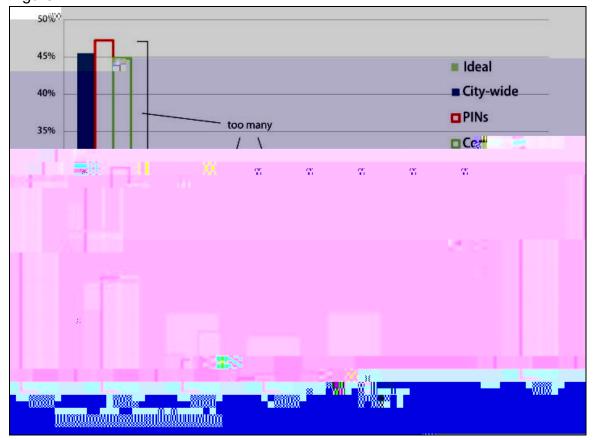
2. How do the genus distribution(diversity) and size class distribution (relative age) of sampled areas farægainst standardbenchmarksusedfor tree master planning?

Diversity. Benchmarks or a single genus state that no one should represent ver 10% of 20% in a given community. All sample had a proportion of maple (scer) that exceeded the 20% markregardless of neighbourhood statusth some other common genaexceeding the 10% mark Giventhe modifiable areal unit problem (MAUP), such benchmarks should be usemoreas a rule of thum with emphasis on avoiding a homogenous tand or row of treesthanmeeting a proportion requirement

Relative Age. The idealsize class distribution of a group of trees is based on the trunk diameter at breast heighted bh), which indicates the relative age of a tree stated bh ranges from 0 cm to as largetas treewill grow. The distribution for Toronto and he ideal isseenin Figure A-2, showinghow far the City and samplexceed or fall short of the ideal proportion.







Source: City and Ideal values from to Toronto, Every Tree Counts Report, 2010

3. What planning directions / recommendations arise frommplications of the first two questions?

Protect existing trees to ensure they reach their potential growth. Section B provides recommendationis achieving greater environmental equity in neighbourhood tree cand local management strategies

B. Recommendations

1. Equitable Distribution: Use socioeconomic data to further prioritize urban forest LQYHVWPHQWV LQ DGGLWLRQ WR µOHDVW WUHHG¶ QHL The second of 6 strategic goals 7nR URQWR ¶ V 6 WUDWHJLF) RUHVW 0 D LVWR 3 \$ F Kable distrib Dition of the durban forest, increasing canopy withere LV PRVW QHHGHGa majoropporturity to the the definition of

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