MULTIGENERATIONAL
OPPORTUNITY & OBLIGATION

URBAN FORESTRY

GENERATION

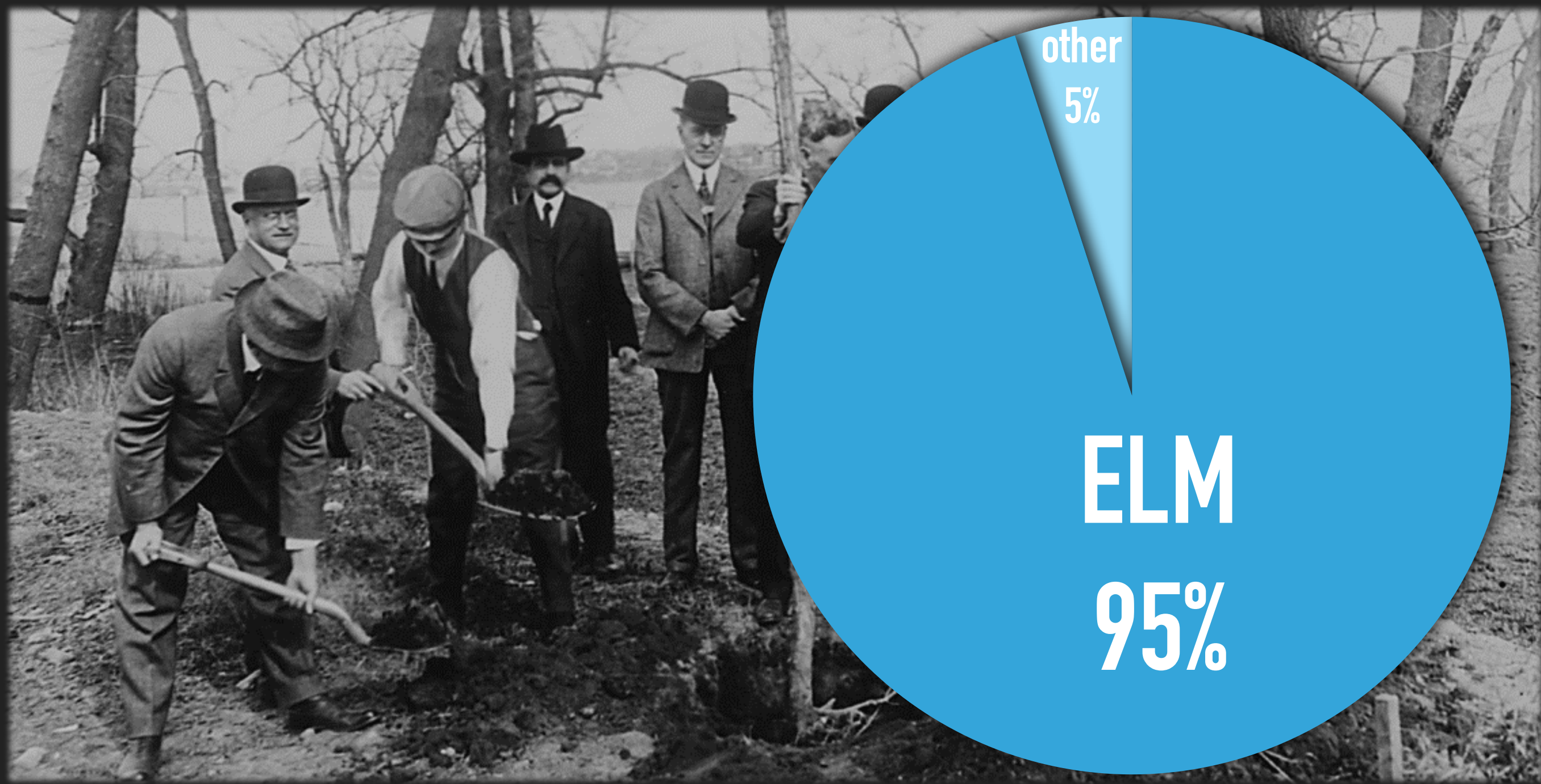IMPROVE

OVER 90%

ELMS!!!

DIVERSITY
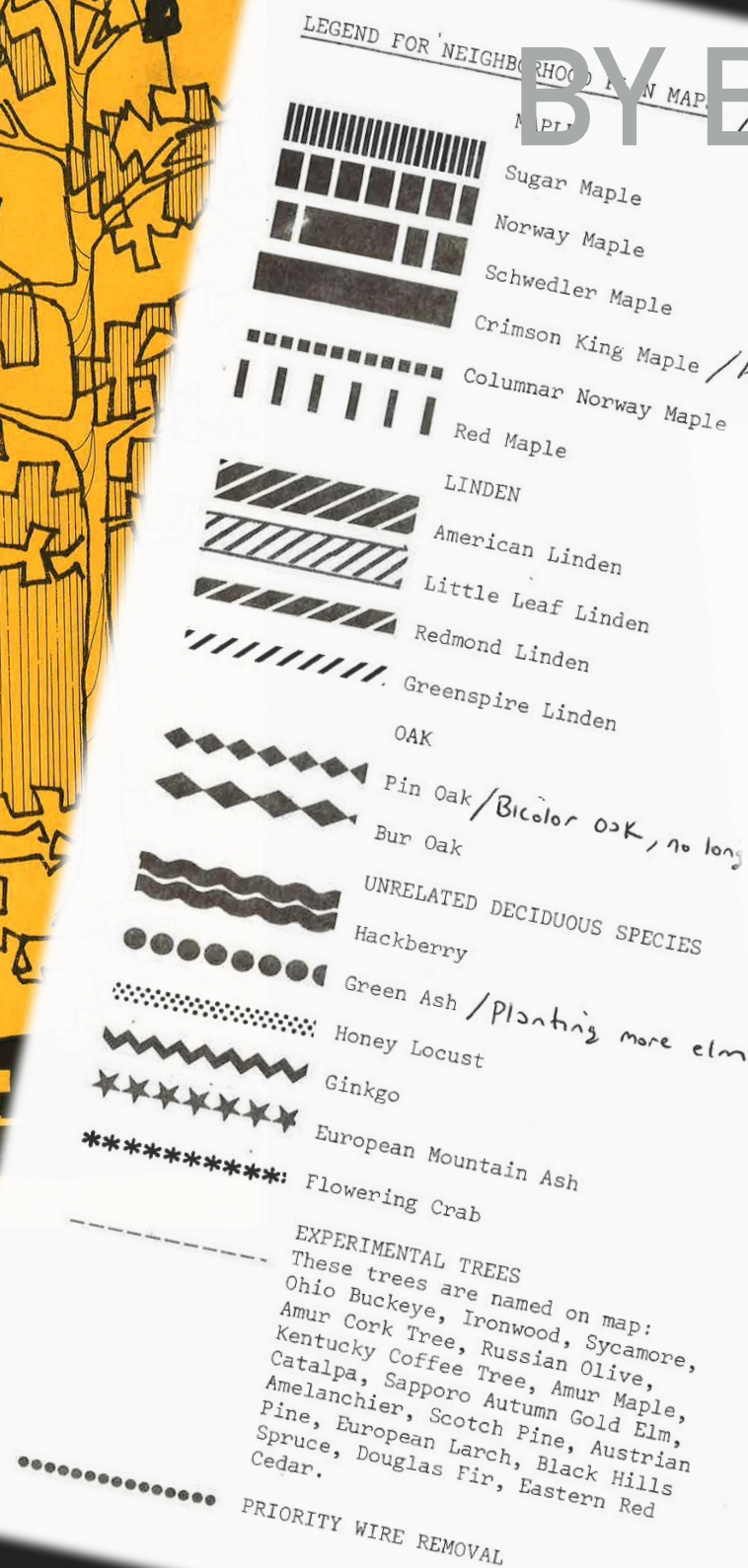BY BLOCK
1978

Minneapolis
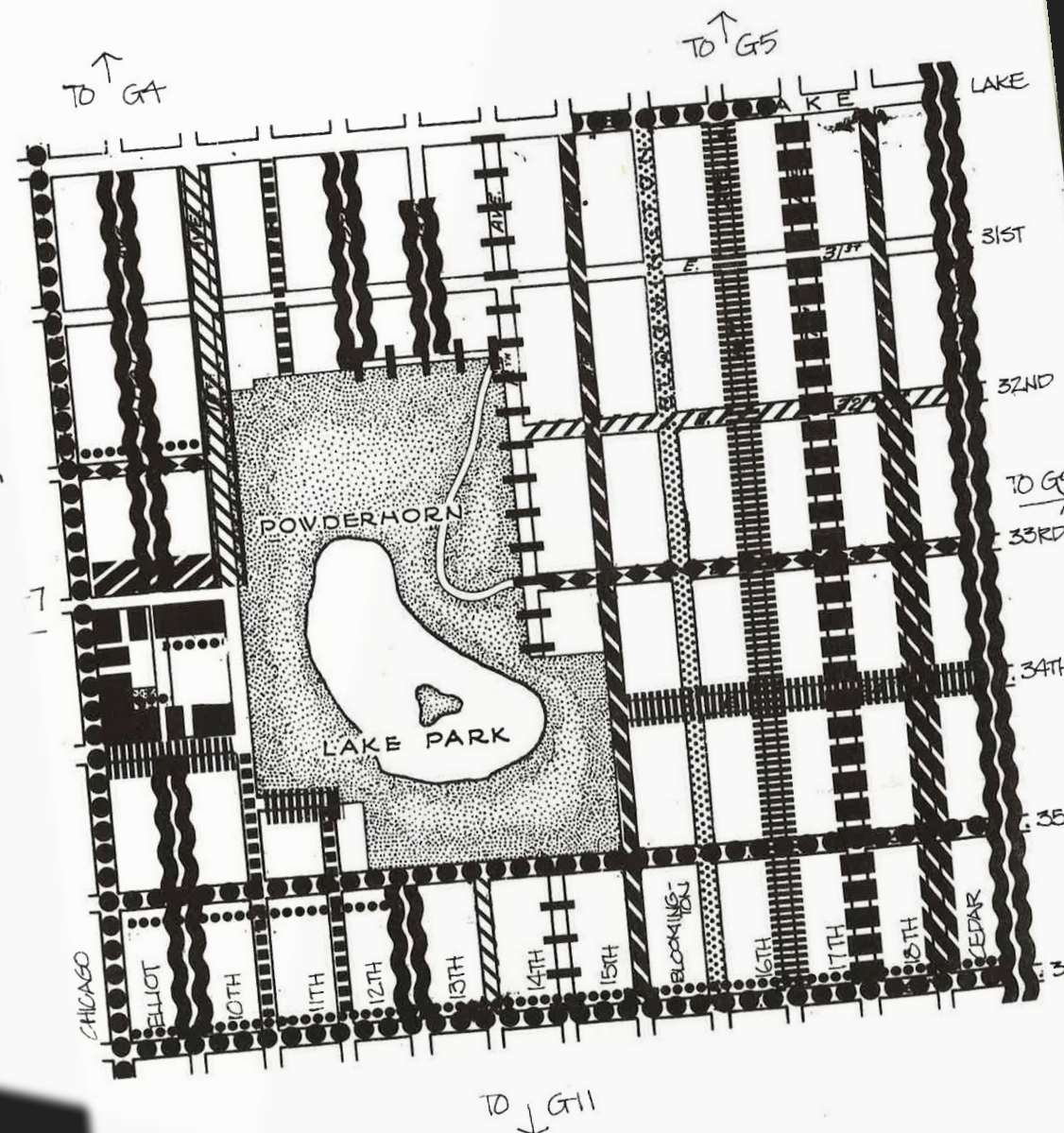Neighborhood Boulevard
Reforestation Plan

LEGEND FOR NEIGHBORHOOD PLAN MAP

Some blocks have changed varieties

*Also: Autumn Blaze Maple
Substituting elm trees*

MAPLE
Sugar Maple
Norway Maple
Schwedler Maple
Crimson King Maple / Autumn Blaze
Columnar Norway Maple
Red Maple

LINDEN
American Linden
Little Leaf Linden
Redmond Linden
Greenspire Linden

OAK
Pin Oak / Bicolor Oak, no long...
Bur Oak

UNRELATED DECIDUOUS SPECIES
Hackberry
Green Ash / Planting more elm
Honey Locust
Ginkgo
European Mountain Ash
Flowering Crab

EXPERIMENTAL TREES
These trees are named on map:
Ohio Buckeye, Ironwood, Sycamore,
Amur Cork Tree, Russian Olive,
Kentucky Coffee Tree, Amur Maple,
Catalpa, Sapporo Autumn Gold Elm,
Amelanchier, Scotch Pine, Austrian
Pine, European Larch, Black Hills
Spruce, Douglas Fir, Eastern Red
Cedar.

PRIORITY WIRE REMOVAL

Powderhorn Park

TO GA
TO G5
LAKE
LAKE
31ST
32ND
33RD
34TH
35TH
TO G9
TO G11

POWDERHORN
LAKE PARK

CHICAGO
ELLIOT
10TH
11TH
12TH
13TH
14TH
15TH
BLOCKING
16TH
17TH
18TH
CEDAR

DIVERSITY BY BLOCK 1978

Minneapolis
Neighborhood Boulevard
Reforestation Plan

LEGEND FOR NEIGHBORHO

Sugar Maple
Norway Maple
Schwedler Maple
Crimson King Maple / Autumn Blaze
Columnar Norway Maple
Red Maple

LINDEN

American Linden
Little Leaf Linden
Redmond Linden
Greenspire Linden

OAK

Pin Oak / Bicolor oak,
Bur Oak

UNRELATED DECIDUOUS SPEC

Hackberry
Green Ash / Planting m
Honey Locust
Ginkgo
European Mountain Ash
Flowering Crab

EXPERIMENTAL TREES
These trees are named on
Ohio Buckeye, Ironwood,
Amur Cork Tree, Russian
Kentucky Coffee Tree, Amu
Catalpa, Sapporo Autumn
Amelanchier, Scotch Pine
Pine, European Larch, Bla
Spruce, Douglas Fir, East
Cedar.

PRIORITY WIRE REMOVAL

Blocks have changed varieties

Also: Autumn Blaze Maple
Substituting elm trees

Powderhorn Park

REVISED FUTURE TREE POPULATION[1]

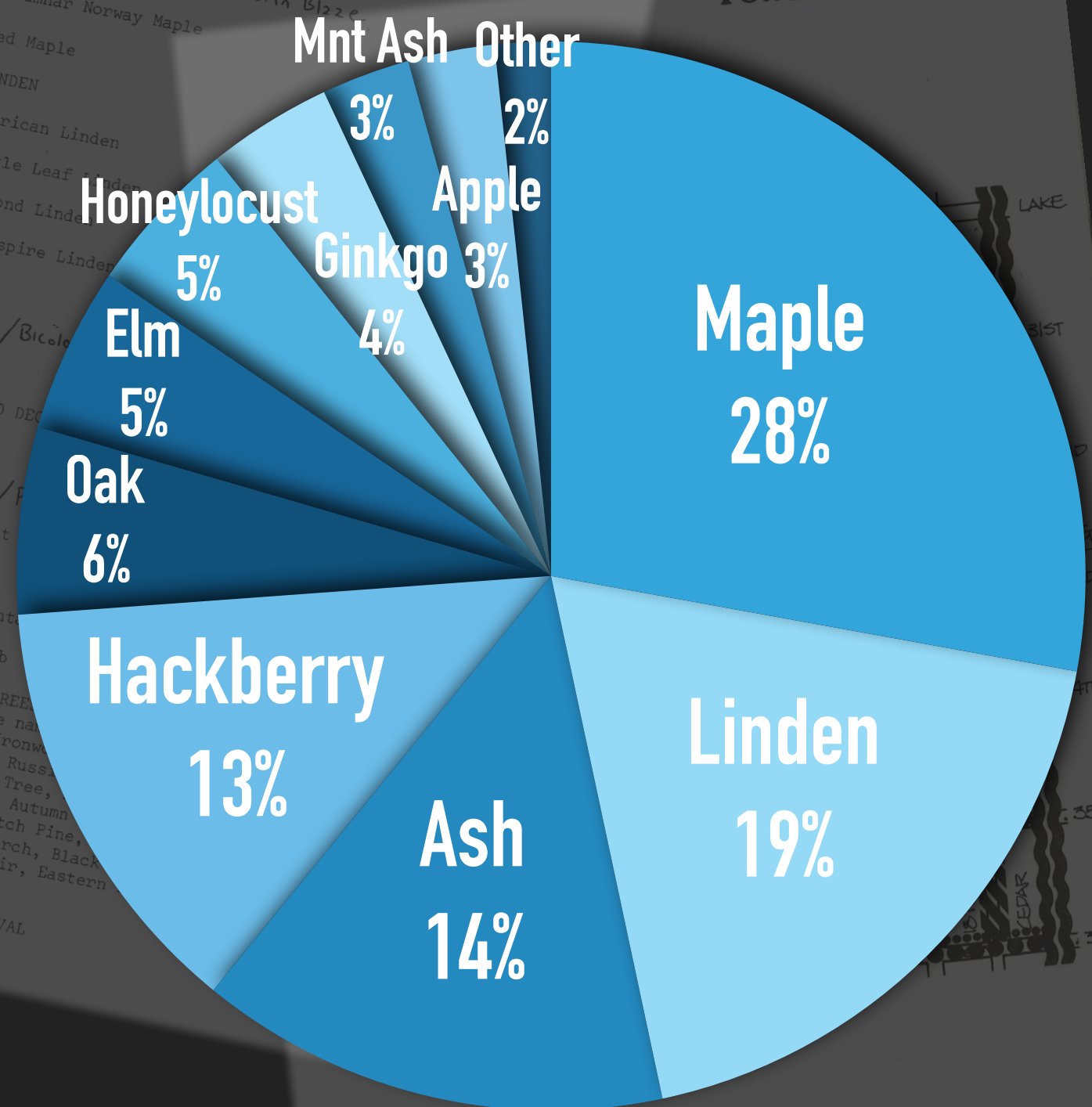| SPECIE/VARIETY	COMMUNITY RANGE OF TOTAL #	COMMUNITY RANGE OF %
MAPLE		
Sugar Maple		
Norway Maple	130-3280	8-13
Schwedler Maple	420-3490	9-25
Crimson King Maple	20-710	.2-4
Columnar Norway Maple	0-250	0-1
Red Maple	0-140	0-1
	50-1020	1-4
LINDEN		
American Linden		
Little Leaf Linden	160-2790	3-11
Redmond Linden	60-1490	2-9
Greenspire Linden	40-670	1-4
	160-1420	2-9
OAK		
Pin Oak		
Bur Oak	120-1520	3-7

DIVERSITY BY BLOCK 1978

Minneapolis Neighborhood Boulevard Reforestation Plan

LEGEND FOR NEIGHBORHOOD MAP

Sugar Maple
Norway Maple
Schwedler Maple
Crimson King Maple / Autumn Blaze
Columnar Norway Maple
Red Maple

LINDEN
American Linden
Little Leaf Linden
Redmond Linden
Greenspire Linden

OAK
Pin Oak / Bicolor
Bur Oak

UNRELATED DECID
Hackberry
Green Ash / P
Honey Locust
Ginkgo
European Mountain
Flowering Crab

EXPERIMENTAL TREES
These trees are na
Ohio Buckeye, Ironw
Amur Cork Tree, Russ
Kentucky Coffee Tree,
Catalpa, Sapporo Autumn
Amelanchier, Scotch Pine,
Pine, European Larch, Black
Spruce, Douglas Fir, Eastern
Cedar.

PRIORITY WIRE REMOVAL

Also: Autumn Blaze Maple
Substituting elm trees

Powderhorn Park

Maple 28%
Linden 19%
Ash 14%
Hackberry 13%
Oak 6%
Elm 5%
Honeylocust 5%
Ginkgo 4%
Apple 3%
Mnt Ash 3%
Other 2%

DIVERSITY BY BLOCK 1978

CITY OF MINNEAPOLIS, MINNESOTA MUNICIPAL TREE RESOURCE ANALYSIS

By
E. Gregory McPherson
James R. Simpson
Paula J. Peper
Scott E. Maco
Shelley L. Gardner
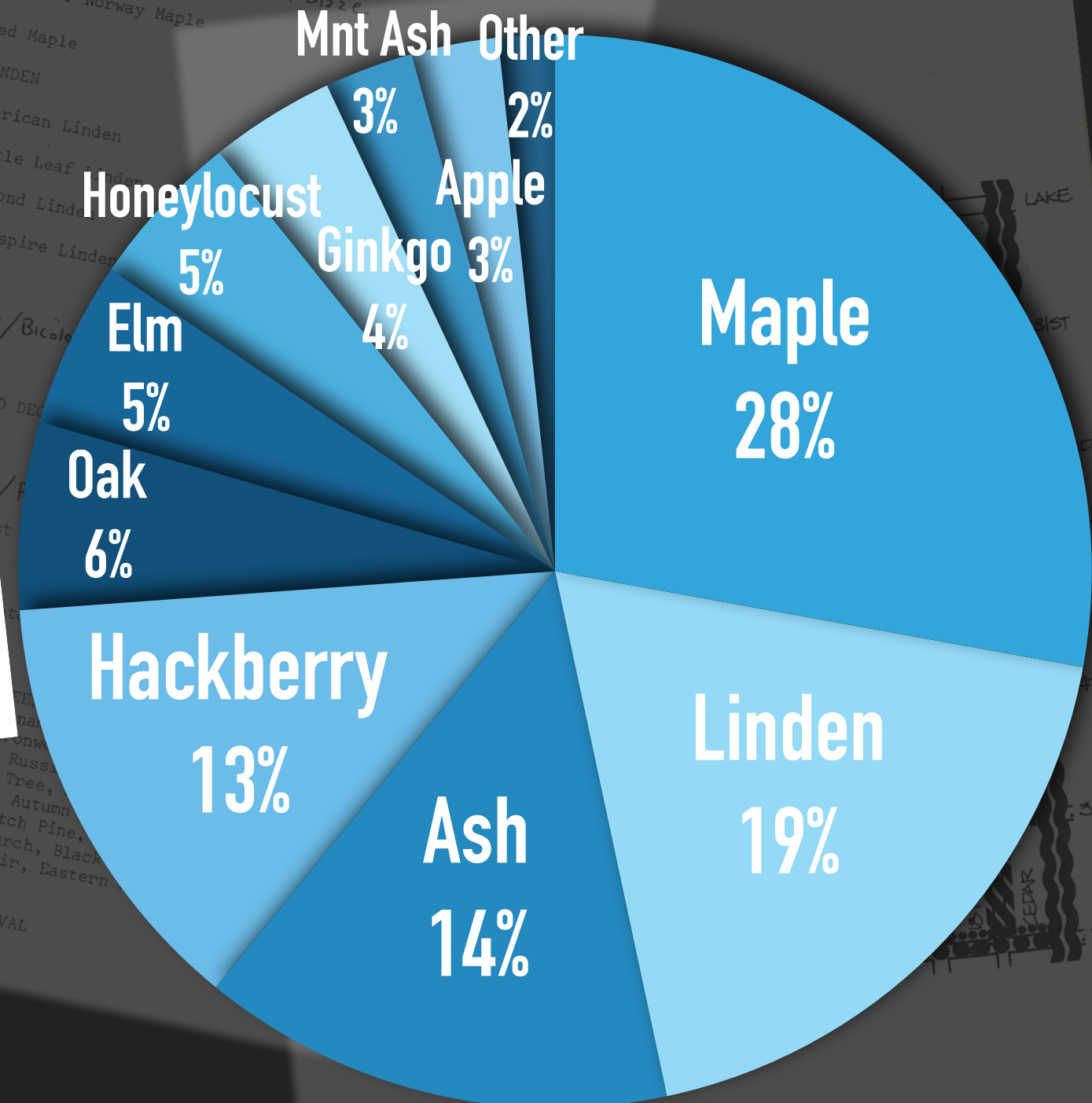Shauna K. Cozad
Qingfu Xiao

Center for Urban Forest Research
USDA Forest Service, Pacific Southwest Research Station

Technical Report to:
Ralph Sievert and Jim Hermann
Forestry Section, Minneapolis Parks and Recreation Board
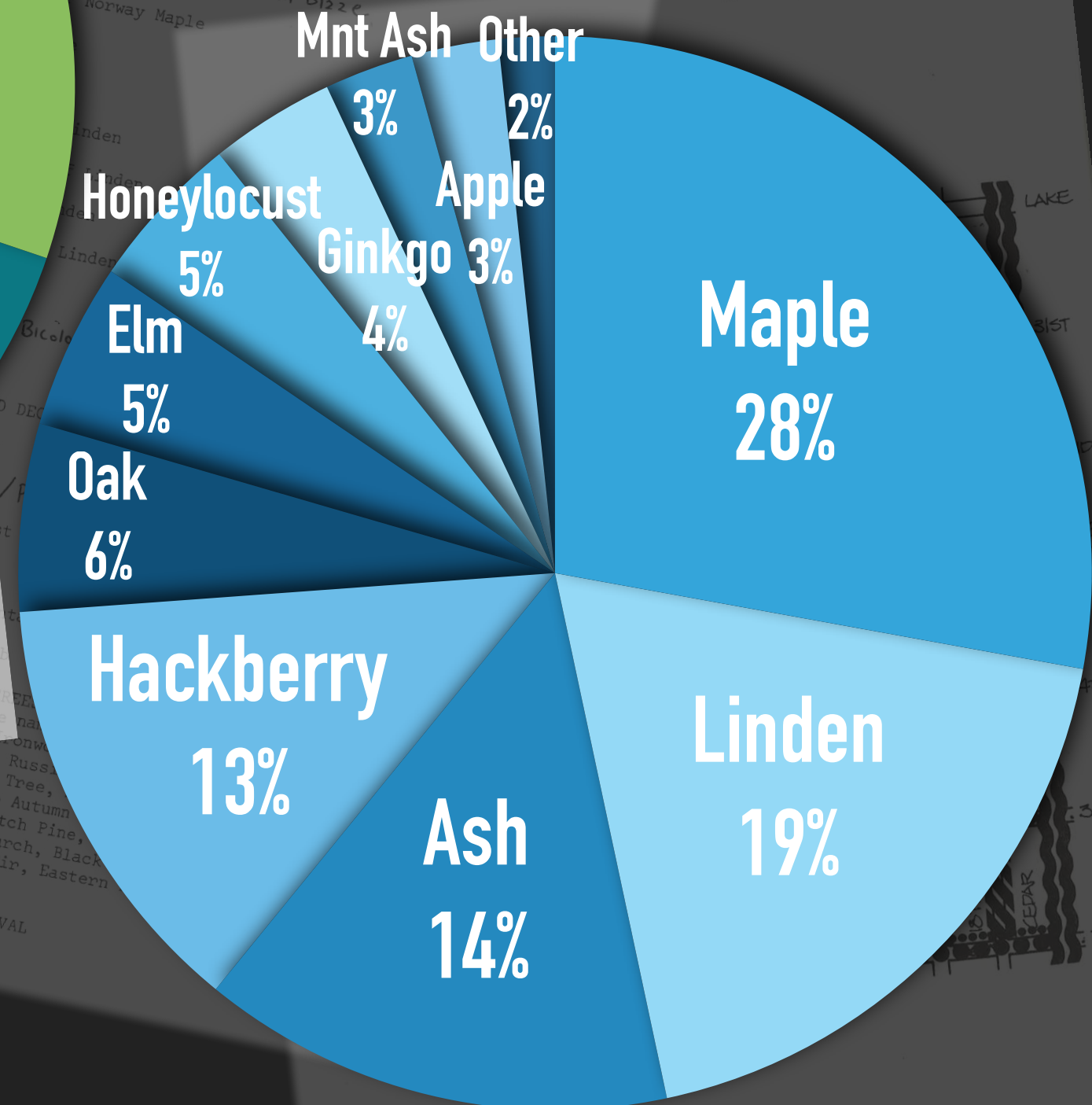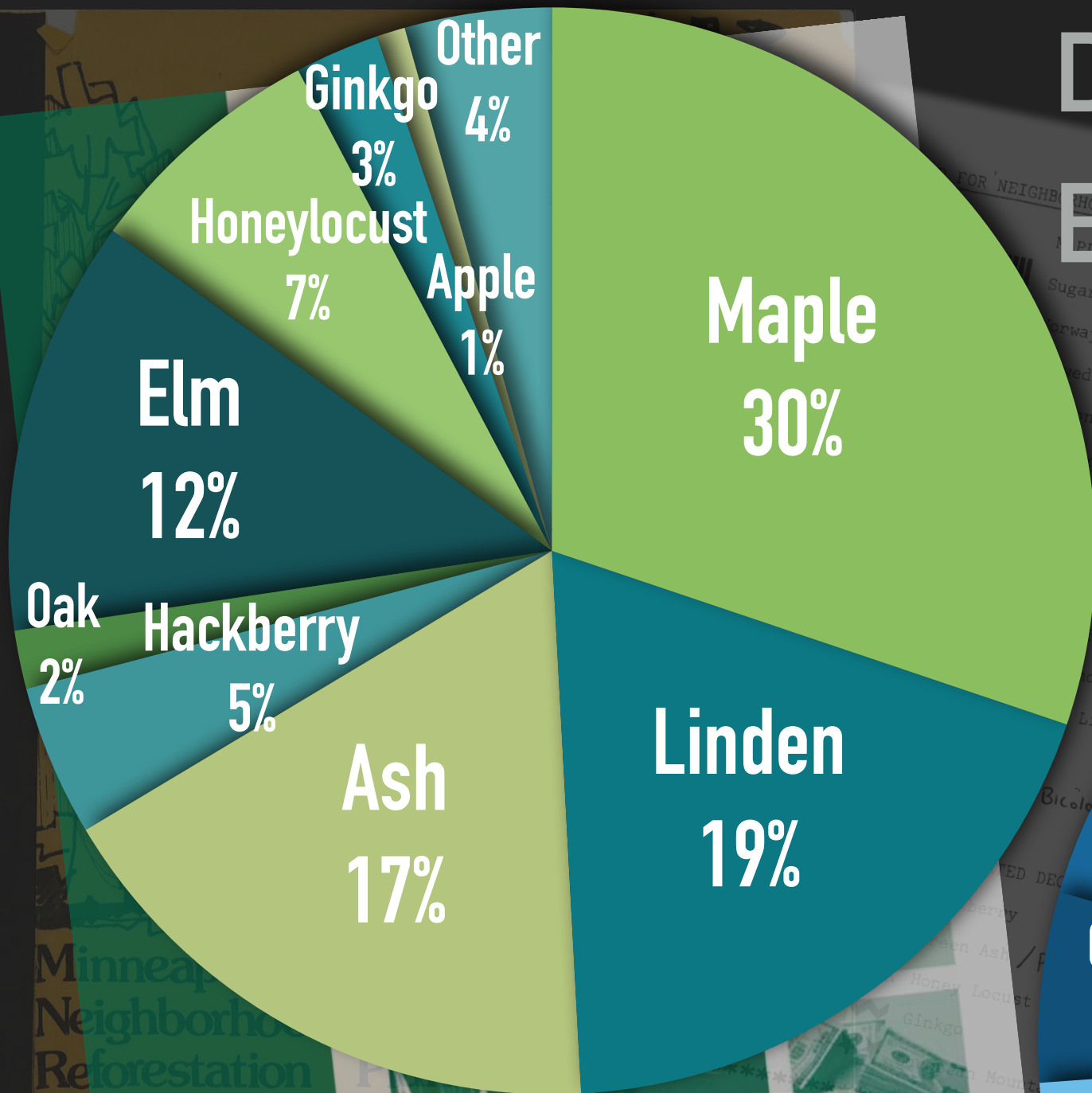Minneapolis, Minnesota

—June 2005—

Center for Urban Forest Research

2004 ITREE STREETS

Powderhorn Park

Pie chart:
Maple 28%
Linden 19%
Ash 14%
Hackberry 13%
Oak 6%
Elm 5%
Honeylocust 5%
Ginkgo 4%
Apple 3%
Mnt Ash 3%
Other 2%

DIVERSITY BY BLOCK **1978**

Mnt Ash 3%
Other 2%
Honeylocust 5%
Ginkgo 4%
Apple 3%
Elm 5%
Oak 6%
Hackberry 13%
Ash 14%
Linden 19%
Maple 28%

Powderhorn Park

2004 ITREE STREETS

Other 4%
Ginkgo 3%
Honeylocust 7%
Apple 1%
Elm 12%
Oak 2%
Hackberry 5%
Ash 17%
Linden 19%
Maple 30%

Center for Urban Forest Research

Minneapolis Neighborhood Reforestation

DED EAB
ALB ETC

MIX IT UP!

▸ Don't Match

▸ No Maples

▸ Less Lindens

▸ Think Diversity

CANOPY

Maximize Canopy

▸ available space
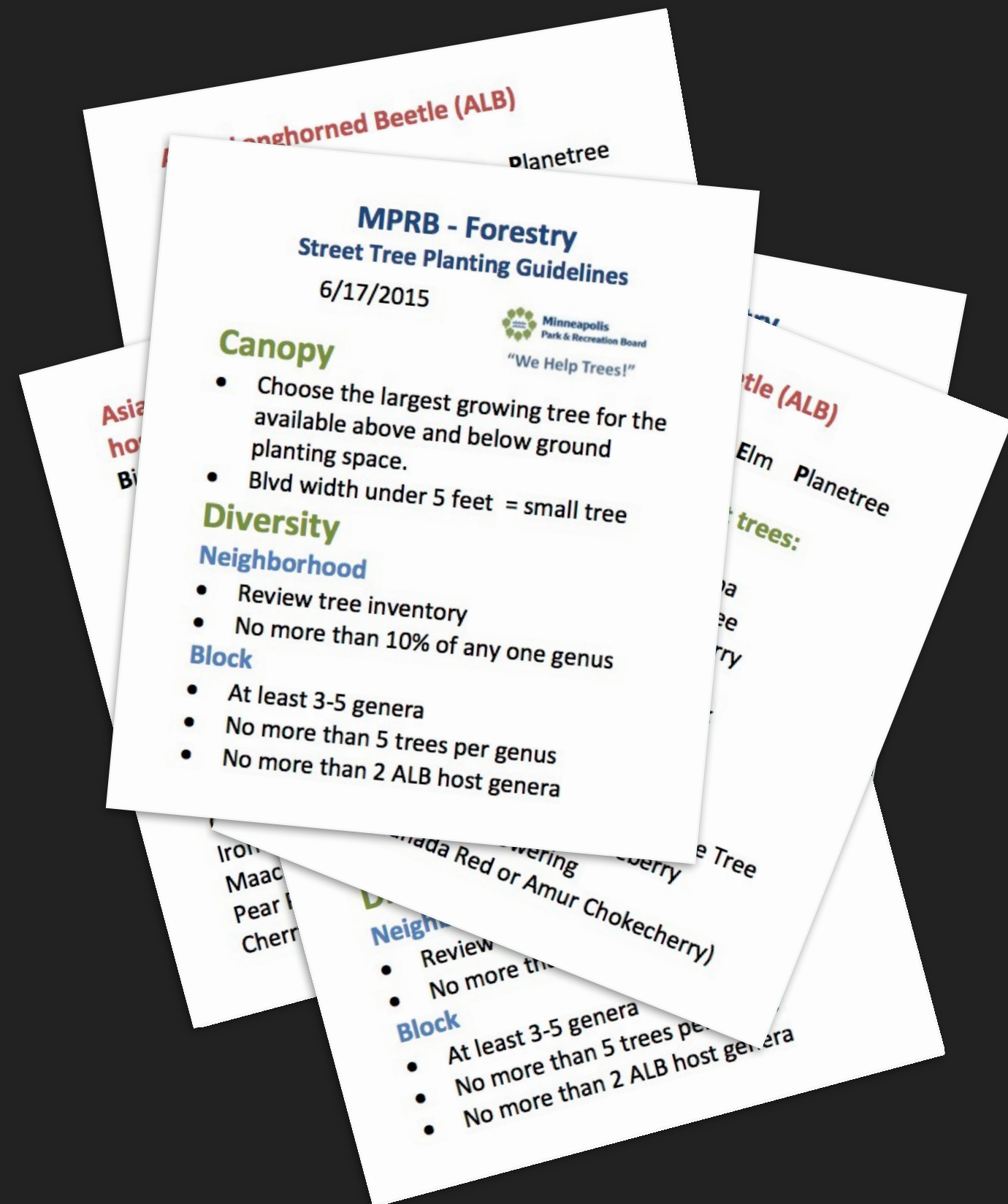
DIVERSITY

Neighborhood
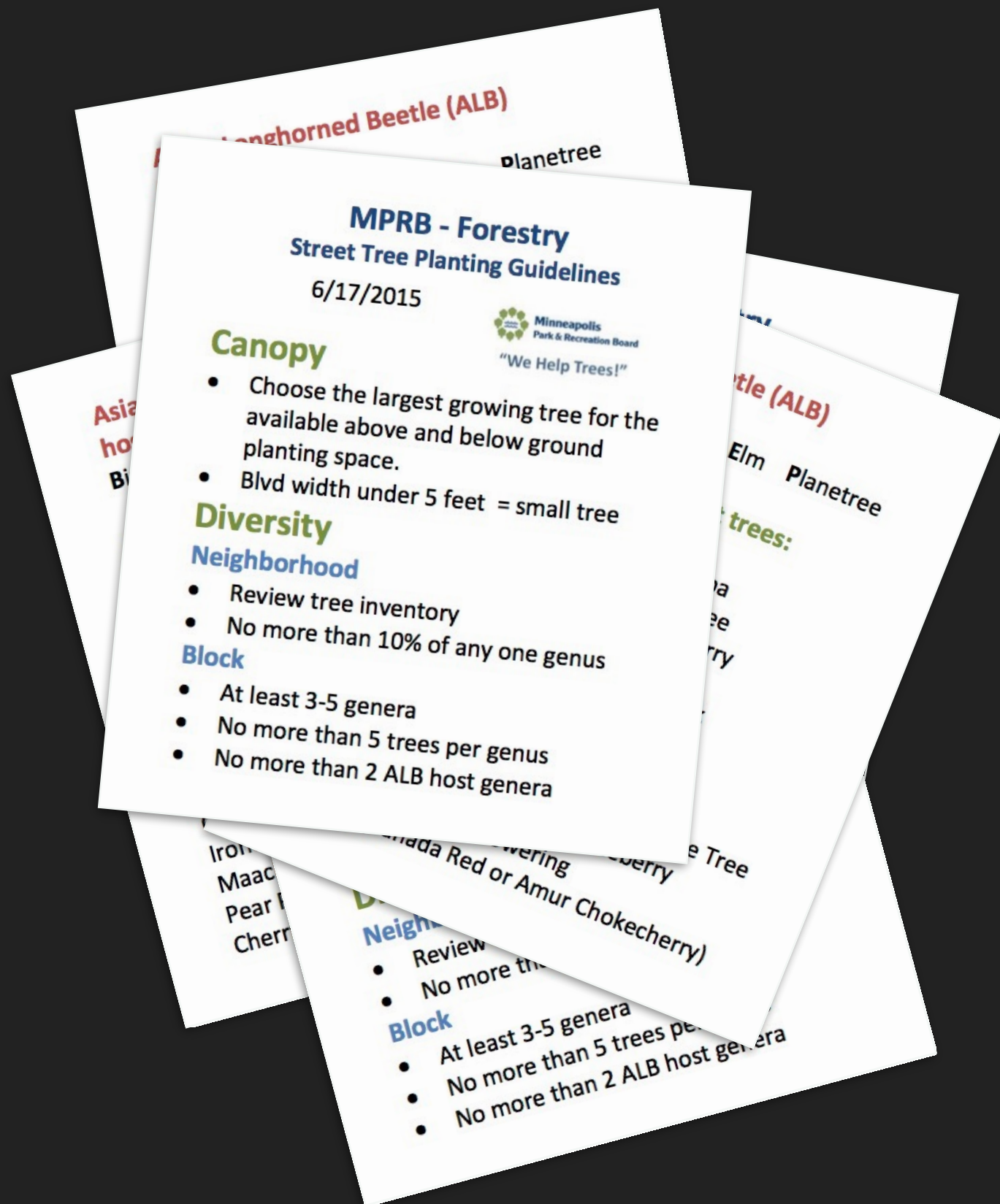
▶ 10% Genus limit

DIVERSITY

Neighborhood

▸ 10% Genus limit

Block

▸ 5 genera/block

▸ 5 trees/genus
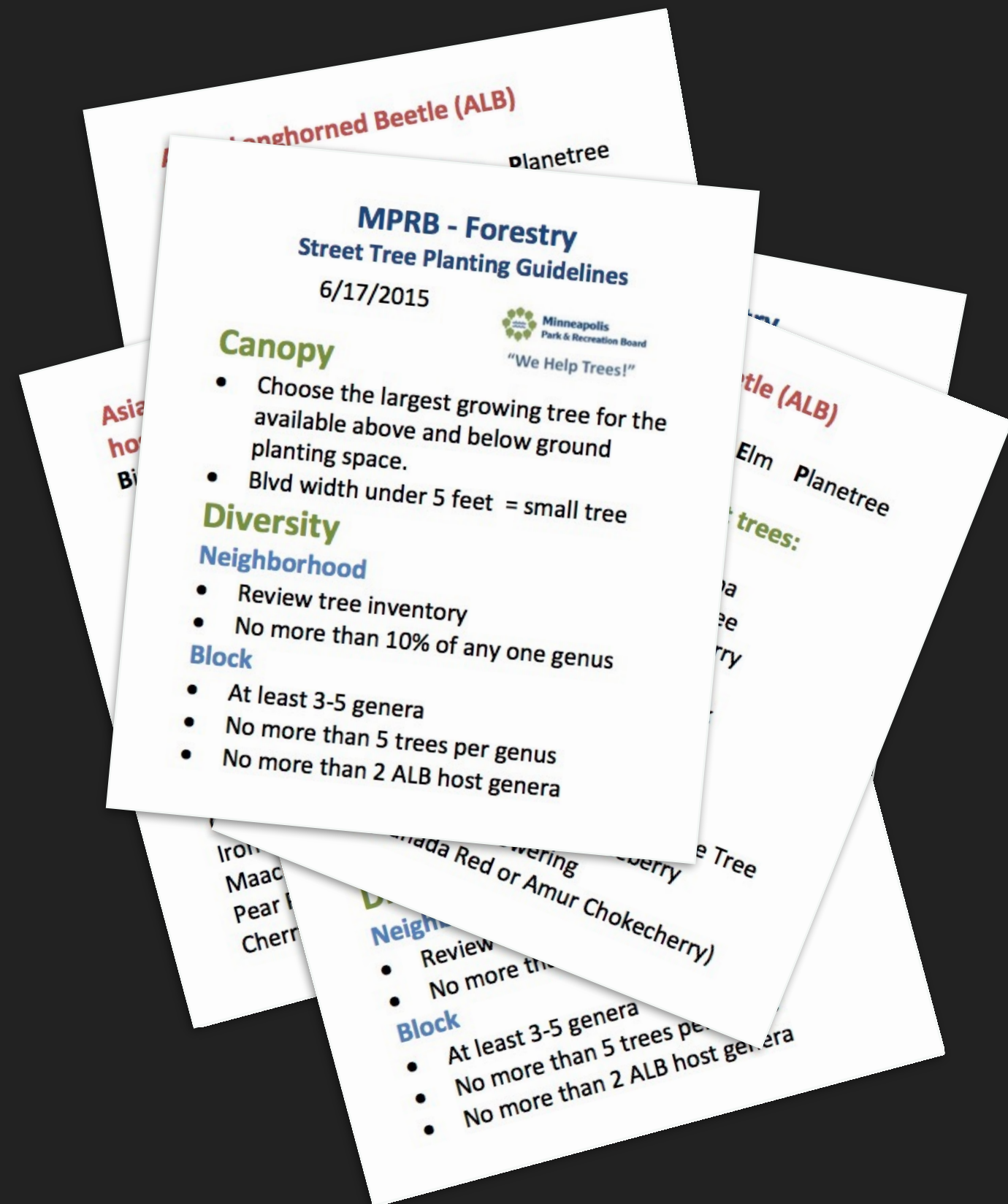
▸ 10 ALB trees

DIVERSITY

Neighborhood

▸ 10% Genus limit

Block

▸ 5 genera/block

▸ 5 trees/genus

▸ 10 ALB trees

Asian Longhorned Beetle (ALB) host street trees:
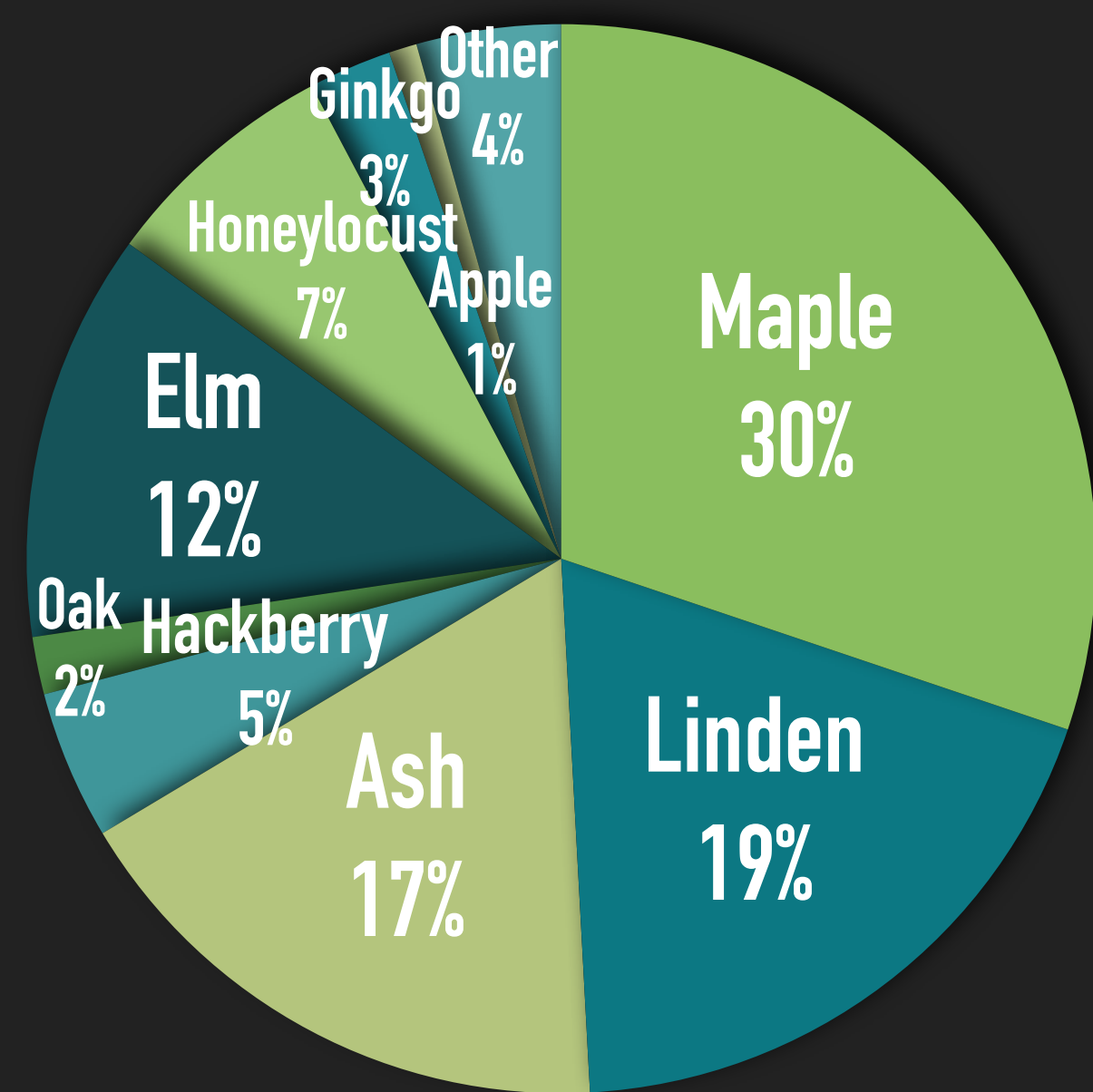
Birch **B**uckeye **M**aple **E**lm **P**lanetree

Non-ALB host Mpls street trees:

Large

Alder (Prairie Horizon)
Coffeetree
Ginkgo
Honeylocust
Oak

Catalpa
Corktree
Hackberry
Linden
Tamarack

Small

Crabapple
Ironwood
Maackia Amur
Pear Prairie Gem Flowering
Cherry (Canada Red or Amur Chokecherry)

Hawthorn
Lilac Japanese Tree
Serviceberry

Other
4%

Ginkgo
3%

Honeylocust
7%

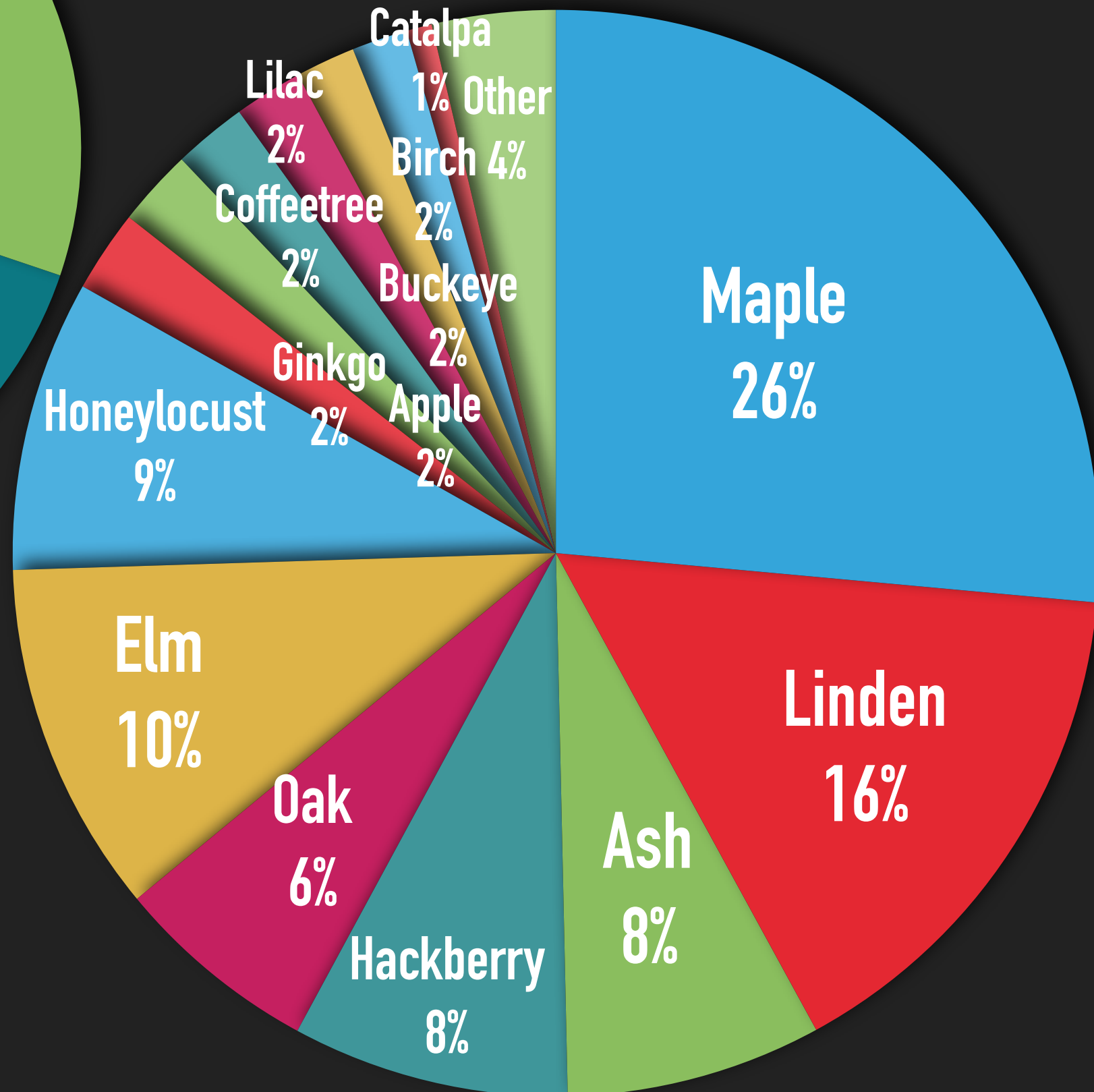Apple
1%

Maple
30%

Elm
12%

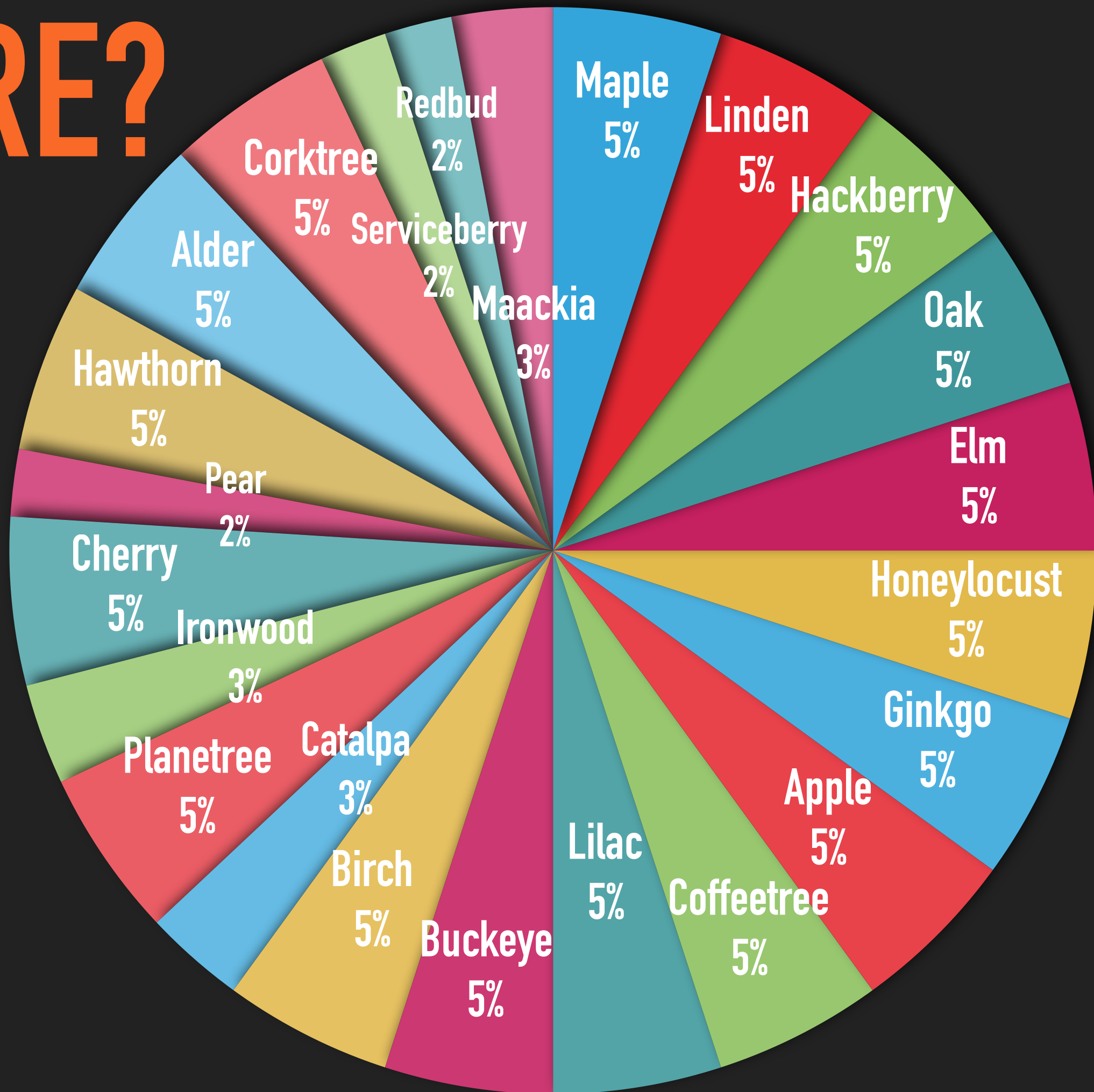Oak
2%

Hackberry
5%

Ash
17%

Linden
19%
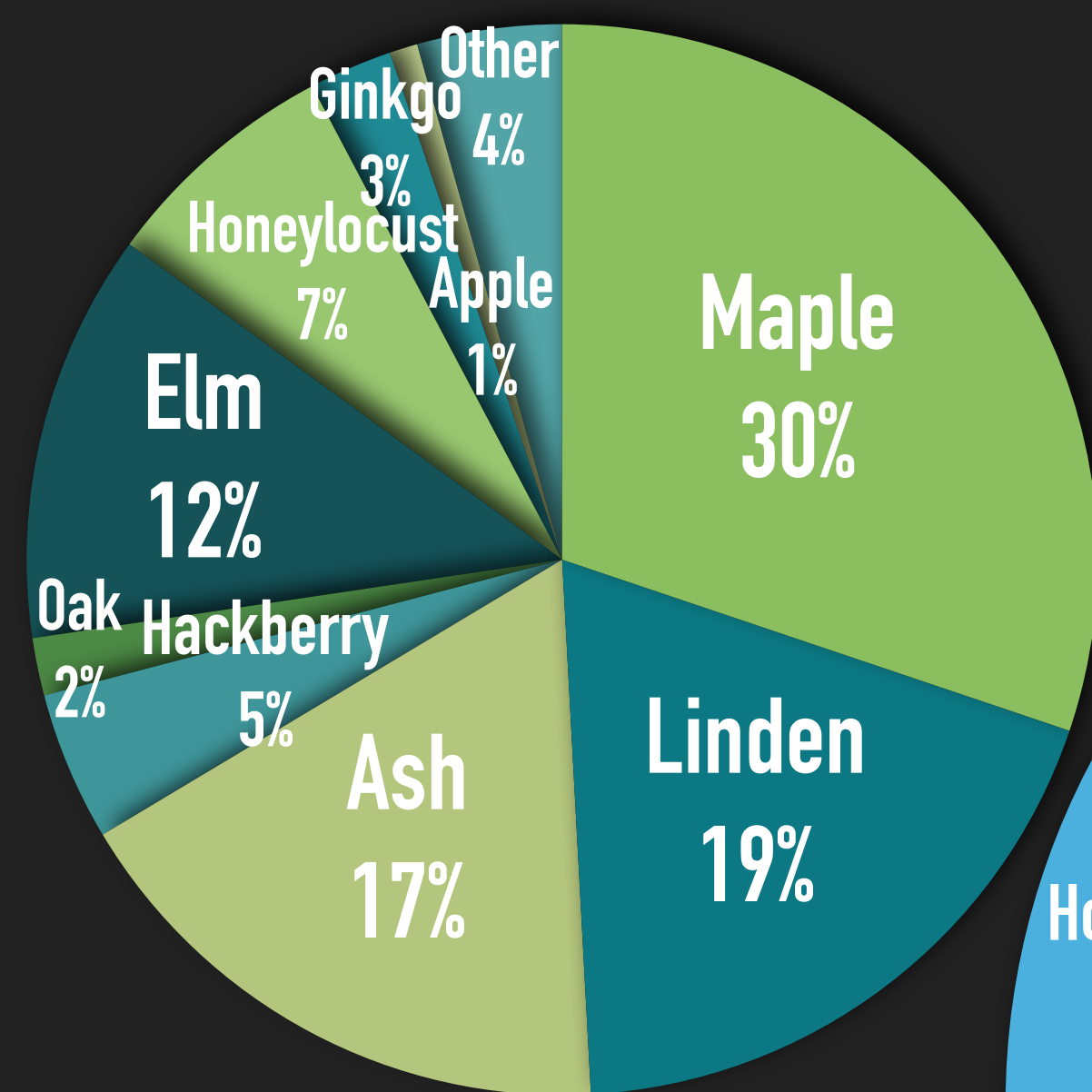
2004

SUSTAINABLE FORESTRY COORDINATOR
MINNEAPOLIS PARK & RECREATION BOARD

PHILIP POTYONDY