

## DNR 2010 Community Tree Survey for the City of Ely, St. Louis County

\*\* Only maintained areas are surveyed. Maintained areas are periodically mowed or fall within an artificial surface, (e.g. parking lot).

Table 1. Diversity of tree genera, size class distribution, and healthy tree population and percents.

Genera	<u>Dead trees are included in population numbers &amp; all percents.</u>						<u>Only live trees are included in numbers &amp; percents.</u>		
	Population	Genera %	Size Classes ++				Population	All Classes	
			Small	Medium	Large	Super		Genera %	Healthy
Picea (Spruce)	2,700	19.3%	11.8%	50.7%	36.2%	1.3%	2,700	19.4%	97.4%
Pinus (Pine)	2,600	18.8%	6.1%	50.0%	41.2%	2.7%	2,600	18.8%	98.6%
Fraxinus (Ash)	1,900	14.0%	39.1%	30.0%	22.7%	8.2%	1,900	13.9%	92.7%
Acer (Maple)	1,500	10.7%	19.0%	28.6%	19.0%	33.3%	1,500	10.7%	76.2%
Betula (Birch)	1,100	8.0%	36.5%	46.0%	17.5%	0.0%	1,100	7.9%	96.8%
Malus (Apple)	1,100	7.6%	65.0%	31.7%	3.3%	0.0%	1,100	7.7%	96.7%
Populus (Poplar)	500	3.7%	55.2%	27.6%	17.2%	0.0%	500	3.7%	89.7%
Sorbus (Mountain Ash)	500	3.7%	79.3%	20.7%	0.0%	0.0%	500	3.7%	96.6%
Tilia (Basswood)	500	3.7%	27.6%	24.1%	31.0%	17.2%	500	3.7%	93.1%
Thuja (White Cedar)	400	2.8%	36.4%	31.8%	27.3%	4.5%	400	2.8%	100.0%
Prunus (Plum)	200	1.7%	69.2%	30.8%	0.0%	0.0%	200	1.7%	100.0%
Quercus (Oak)	200	1.4%	9.1%	81.8%	9.1%	0.0%	200	1.4%	100.0%
Boxelder	200	1.3%	40.0%	10.0%	30.0%	20.0%	200	1.3%	80.0%
Abies (Fir)	200	1.1%	44.4%	33.3%	22.2%	0.0%	200	1.1%	100.0%
Ulmus (Elm)	100	0.8%	83.3%	16.7%	0.0%	0.0%	100	0.8%	100.0%
Juglans (Black Walnut)	<100	0.5%	25.0%	25.0%	50.0%	0.0%	<100	0.5%	100.0%
Juniperus (Red Cedar)	<100	0.5%	0.0%	75.0%	25.0%	0.0%	<100	0.5%	100.0%
Amelanchier (Juneberry)	<100	0.1%	100.0%	0.0%	0.0%	0.0%	<100	0.1%	100.0%
Crataegus (Hawthorn)	<100	0.1%	100.0%	0.0%	0.0%	0.0%	<100	0.1%	100.0%
Salix (Willow)	<100	0.1%	0.0%	0.0%	0.0%	100.0%	<100	0.1%	100.0%

Table 2. Tree condition by size class.

Size Classes ++	Population	Size Class %	Healthy	Dieback	Discolor	Both	Dead
Small (1" - 4.9")	4,000	29.1%	95.6%	3.9%	0.0%	0.0%	0.4%
Medium (5" - 11.9")	5,400	38.9%	95.4%	3.9%	0.0%	0.0%	0.7%
Large (12" - 20.9")	3,500	25.3%	97.5%	2.5%	0.0%	0.0%	0.0%
Super (21" +)	900	6.6%	61.5%	38.5%	0.0%	0.0%	0.0%

The numbers above (both tables) do not include shrub-like trees (e.g. Arbovitae) or non-maintained areas such as vacant areas.

\*\*Area within city limits is 1,733 acres. The Business & Residential area is 810 acres, of which 98.1% (794 acres) is considered Maintained while 1.9% (16 acres) is considered Non-Maintained.