

## DNR 2010 Community Tree Survey for the **City of Biwabik, 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
Acer (Maple)	600	20.7%	18.7%	30.7%	36.0%	14.7%	600	20.8%	65.3%
Picea (Spruce)	500	16.6%	11.7%	35.0%	50.0%	3.3%	500	16.6%	100.0%
Fraxinus (Ash)	400	15.5%	5.4%	78.6%	12.5%	3.6%	400	15.5%	80.4%
Malus (Apple)	400	14.1%	51.0%	47.1%	2.0%	0.0%	400	14.1%	96.1%
Betula (Birch)	200	6.1%	27.3%	40.9%	31.8%	0.0%	200	5.8%	57.1%
Pinus (Pine)	100	4.7%	0.0%	29.4%	70.6%	0.0%	100	4.7%	100.0%
Thuja (White Cedar)	100	3.6%	0.0%	38.5%	61.5%	0.0%	100	3.6%	92.3%
Boxelder	<100	3.3%	50.0%	8.3%	33.3%	8.3%	<100	3.3%	58.3%
Sorbus (Mountain Ash)	<100	3.3%	75.0%	25.0%	0.0%	0.0%	<100	3.3%	33.3%
Tilia (Basswood)	<100	3.0%	9.1%	54.5%	36.4%	0.0%	<100	3.0%	100.0%
Ulmus (Elm)	<100	1.7%	66.7%	16.7%	16.7%	0.0%	<100	1.7%	100.0%
Populus (Poplar)	<100	1.4%	0.0%	40.0%	40.0%	20.0%	<100	1.4%	40.0%
Abies (Fir)	<100	1.1%	0.0%	75.0%	25.0%	0.0%	<100	1.1%	100.0%
Prunus (Plum)	<100	1.1%	100.0%	0.0%	0.0%	0.0%	<100	1.1%	100.0%
Amelanchier (Juneberry)	<100	0.8%	100.0%	0.0%	0.0%	0.0%	<100	0.8%	100.0%
Celtis (Hackberry)	<100	0.8%	100.0%	0.0%	0.0%	0.0%	<100	0.8%	100.0%
Quercus (Oak)	<100	0.8%	33.3%	66.7%	0.0%	0.0%	<100	0.8%	100.0%
Robinia (Black Locust)	<100	0.8%	0.0%	0.0%	100.0%	0.0%	<100	0.8%	33.3%
Juniperus (Red Cedar)	<100	0.3%	0.0%	100.0%	0.0%	0.0%	<100	0.3%	100.0%
Salix (Willow)	<100	0.3%	0.0%	100.0%	0.0%	0.0%	<100	0.3%	0.0%

**Table 2. Tree condition by size class.**

Size Classes ++	Population	Size Class %	Healthy	Dieback	Discolor	Both	Dead
Small (1" - 4.9")	700	24.0%	86.2%	13.8%	0.0%	0.0%	0.0%
Medium (5" - 11.9")	1,200	41.7%	86.8%	12.6%	0.0%	0.0%	0.7%
Large (12" - 20.9")	800	29.6%	72.9%	27.1%	0.0%	0.0%	0.0%
Super (21" +)	100	4.7%	52.9%	47.1%	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 3,269 acres. The Business & Residential area is 160 acres, of which 98.3% (157 acres) is considered Maintained while 1.7% (3 acres) is considered Non-Maintained.