

DNR 2010 Community Tree Survey for the City of Buhl, 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 & all percents.</u> | | | | | | <u>Only live trees are included in numbers & percents.</u> | | |
|------------------------|--|----------|-----------------|--------|-------|-------|--|-------------|---------|
| | Population | Genera % | Size Classes ++ | | | | Population | All Classes | |
| | | | Small | Medium | Large | Super | | Genera % | Healthy |
| Fraxinus (Ash) | 1,200 | 24.7% | 13.3% | 53.3% | 28.1% | 5.2% | 1,200 | 24.9% | 94.8% |
| Picea (Spruce) | 800 | 15.8% | 24.4% | 32.6% | 38.4% | 4.7% | 800 | 15.8% | 98.8% |
| Acer (Maple) | 700 | 13.7% | 36.0% | 44.0% | 17.3% | 2.7% | 700 | 13.6% | 85.1% |
| Pinus (Pine) | 600 | 12.1% | 4.5% | 42.4% | 48.5% | 4.5% | 600 | 12.2% | 98.5% |
| Malus (Apple) | 400 | 7.7% | 57.1% | 42.9% | 0.0% | 0.0% | 400 | 7.6% | 92.7% |
| Betula (Birch) | 200 | 4.6% | 4.0% | 92.0% | 4.0% | 0.0% | 200 | 4.6% | 84.0% |
| Sorbus (Mountain Ash) | 200 | 3.7% | 40.0% | 55.0% | 5.0% | 0.0% | 200 | 3.7% | 65.0% |
| Thuja (White Cedar) | 200 | 3.7% | 5.0% | 60.0% | 30.0% | 5.0% | 200 | 3.7% | 100.0% |
| Abies (Fir) | 100 | 2.9% | 0.0% | 68.8% | 31.3% | 0.0% | 100 | 2.8% | 100.0% |
| Quercus (Oak) | 100 | 2.7% | 0.0% | 40.0% | 53.3% | 6.7% | 100 | 2.8% | 100.0% |
| Ulmus (Elm) | 100 | 2.4% | 69.2% | 23.1% | 7.7% | 0.0% | 100 | 2.4% | 100.0% |
| Boxelder | <100 | 1.5% | 75.0% | 12.5% | 12.5% | 0.0% | <100 | 1.5% | 87.5% |
| Tilia (Basswood) | <100 | 1.5% | 50.0% | 25.0% | 25.0% | 0.0% | <100 | 1.5% | 75.0% |
| Prunus (Plum) | <100 | 0.9% | 80.0% | 20.0% | 0.0% | 0.0% | <100 | 0.9% | 20.0% |
| Aesculus (Buckeye) | <100 | 0.5% | 0.0% | 100.0% | 0.0% | 0.0% | <100 | 0.6% | 100.0% |
| Populus (Poplar) | <100 | 0.5% | 0.0% | 0.0% | 66.7% | 33.3% | <100 | 0.6% | 100.0% |
| Celtis (Hackberry) | <100 | 0.4% | 100.0% | 0.0% | 0.0% | 0.0% | <100 | 0.4% | 100.0% |
| Juglans (Black Walnut) | <100 | 0.4% | 100.0% | 0.0% | 0.0% | 0.0% | <100 | 0.4% | 100.0% |
| Salix (Willow) | <100 | 0.4% | 0.0% | 0.0% | 50.0% | 50.0% | <100 | 0.4% | 100.0% |

Table 2. Tree condition by size class.

| Size Classes ++ | Population | Size Class % | Healthy | Dieback | Discolor | Both | Dead |
|---------------------|------------|--------------|---------|---------|----------|------|------|
| Small (1" - 4.9") | 1,200 | 23.8% | 90.0% | 9.2% | 0.0% | 0.0% | 0.8% |
| Medium (5" - 11.9") | 2,300 | 46.2% | 93.7% | 5.6% | 0.0% | 0.0% | 0.8% |
| Large (12" - 20.9") | 1,300 | 26.4% | 91.7% | 8.3% | 0.0% | 0.0% | 0.0% |
| Super (21" +) | 200 | 3.7% | 85.0% | 15.0% | 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 2,252 acres. The Business & Residential area is 218 acres, of which 100.0% (218 acres) is considered Maintained while 0.0% (<1 acres) is considered Non-Maintained.