

THE STORY

Almost since Goderich was founded in 1827, Courthouse Park has been a gathering place for its citizens. Over the years many large trees grew and matured to replace the original thick forest and underbrush removed by early settlers. Eventually these beautiful trees created a shady canopy for everyone to enjoy.

That all came crashing down on August 21, 2011 when an F3 tornado uprooted almost 100 mature trees in Courthouse Park. Only two large to medium sized beeches and six smaller trees survived the storm.

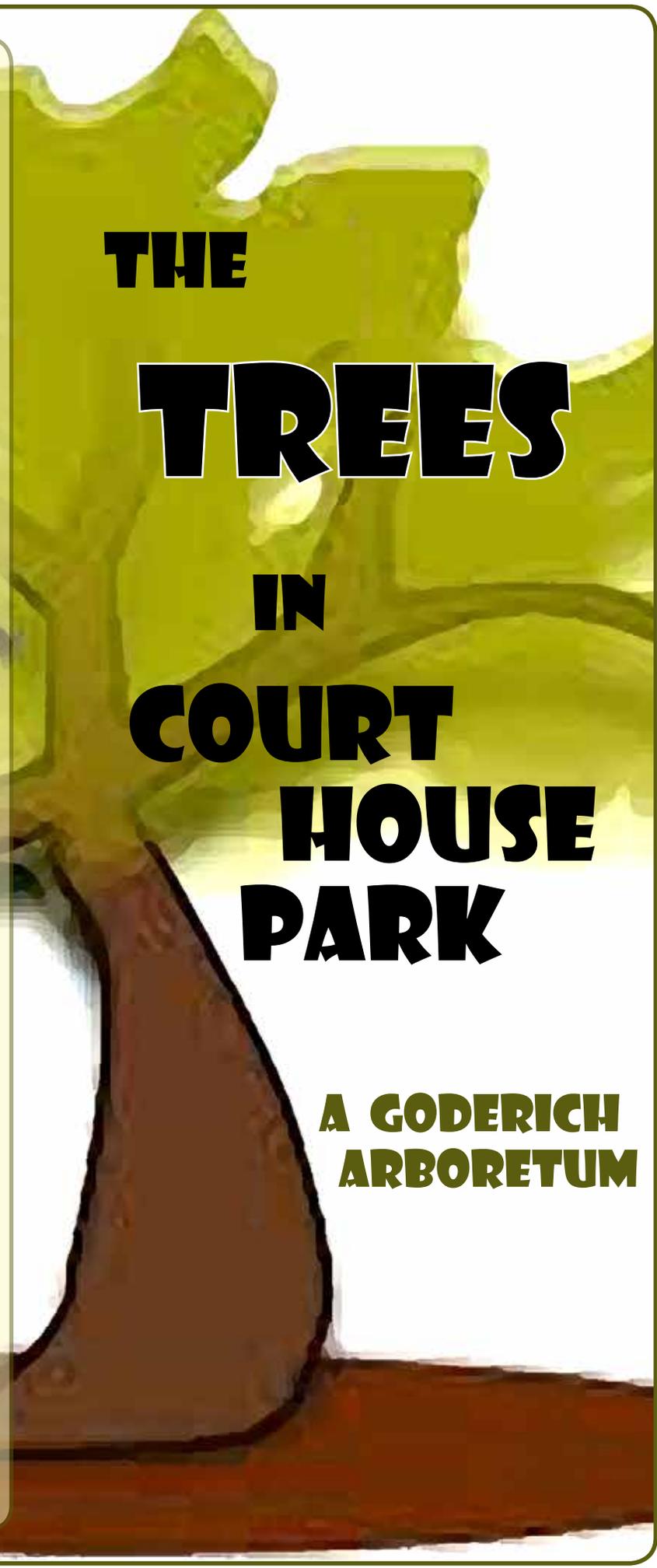
With clean-up and planning complete, the town embarked on an imaginative replanting program in the fall of 2012, using the concepts detailed in The Master Plan for Goderich created by The Planning Partnership of Toronto. Arborist and landscape architect Michael Ormston-Holloway of TPP consulted with Parks Superintendent Martin Quinn and Director of Operations, Chip Wilson; then PAO Horticultural of Hornby ON supplied the trees and directed the planting.

Trees were chosen for attributes such as shape, size, colour, bark texture, aroma, and flowers. Large trees up to 60+ feet tall and some more than 20 or 30 years old were transplanted to the four quadrants of the park along with smaller varieties. More than 166 trees were planted representing 46 distinct species. After the second winter, a remarkable 99-100% of the transplanted trees survived.

Some fast-growing trees were intended to provide a canopy within a few years and then be removed to make room for the slower-growing and longer-lasting trees such as the oaks and maples when that becomes necessary (perhaps in 30 years).

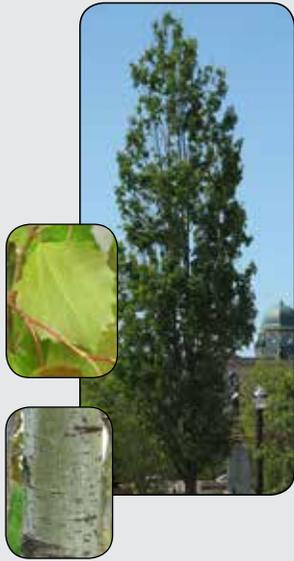
The citizens of Goderich are most grateful to everyone who contributed funds specifically for trees. These include Bruce Power (Company, Employees, Power Workers' Union and Society of Energy Professionals), the City of London plus many other organizations and individuals.

2014



THE TREES IN COURT HOUSE PARK

A GODERICH ARBORETUM



Swedish Aspen **1**
Populus tremuloides 'Erecta'

Mature Height: 30-40 ft
Mature Diameter: average 1 ft

Leaves: round, 3-veined, stem flattened on 2 sides allows trembling in slightest breeze, red-yellow in fall

Bark: light gray to white with random horizontal lines, except for lower 2 ft which may be dark and furrowed

Other: closely related to Quaking Aspen

Ohio Buckeye **4**
Aesculus glabra

Mature Height: 50-80 ft

Leaves: large, compound with 5-7 leaflets radiating out from a central stalk, one of first to leaf in spring

Bark: ash gray, warty when young then fissured

Other: upright clusters of yellow-green flowers, dark brown seeds resemble eye of buck deer



REFER TO MAP IN CENTRE OF BOOKLET



European Beech **2**
a *Fagus sylvatica* 'Rohanii'
b *Fagus sylvatica* 'Purpurea'

Mature Height: 50-60 ft
Mature Spread: 50 ft

Leaves: alternate, simple, wavy margins, oval, 2-4 in. long, glossy dark green with reddish tint or purple all year then red-bronze in fall

Bark: light gray, smooth wrinkled appearance

Other: slow growth, short trunk

Northern Catalpa **5**
Catalpa speciosa

Mature Height: 40-75 ft
Mature Diameter: 1-2 ft

Leaves: heart-shaped, 6-12 in long 4-8 wide, two large and one smaller attach to twig at common junction

Bark: flat, scaly, rough, red-brown to smoke gray

Other: often twisted trunk, spring clusters of very showy flowers, sticklike fruit pods 9-20 in. long



River Birch **3**
Betula nigra

Mature Height: 40-80 ft
Mature Diameter: 1-2 ft

Leaves: triangular, round taper to pointed tip, 1.5-3 in. long, alternate, edges have both coarse and fine teeth, top is dull dark green, lighter yellowish-green underside

Bark: very rough, ragged, red-brown, tries to peel horizontally

Other: knotty wood, common in SE USA

Black Cherry **6**
Prunus serotina

Mature Height: 80 ft
Mature Diameter: 2 ft

Leaves: alternate, simple, 2-6 in. long, oval to spear-tip shape, shiny on top, paler below

Bark: dark, silver-gray to black, flaky

Other: wood is pink then darkens to red patina in light, prized for furniture, clusters of sour cherries in late summer, food source for migrating birds





Kentucky Coffee Tree 7
Gymnocladus dioica

Mature Height: 70 ft
Mature Diameter: 2 ft

Leaves: alternate, doubly compound, 3-8 sets of side stalks, each side stalk has 6-14 pairs of oval, smooth-edged leaflets

Bark: loose-looking, outward-curling in rough and contorted pattern

Other: fruit is large, fleshy pods with hard, black bean-like seeds, pods may remain through winter

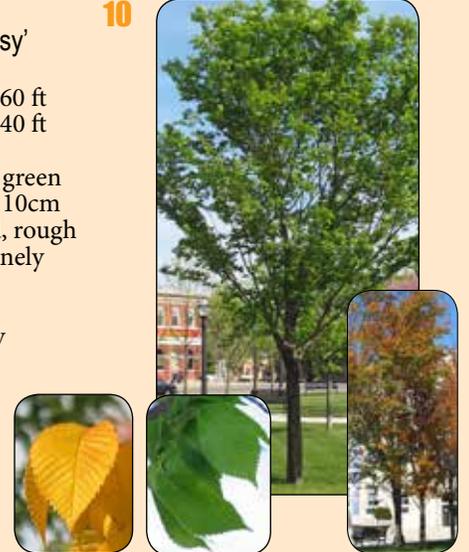
Triumph Elm 10
Ulmus 'Morton Glossy'

Mature Height: 55-60 ft
Mature Spread: 35-40 ft

Leaves: deep glossy green when mature, up to 10cm long and 5cm broad, rough upper surface and finely toothed margins

Bark: furrowed gray

Other: cold-hardy, resistant to Dutch Elm disease



Amur Cork Tree 8
Phellodendron amurense

Mature Height: 30-45 ft
Mature Spread: 30 -60 ft

Leaves: compound, yellow green to green, 5-11 leaflets each 4.5 in. long

Bark: gray-brown, ridged, corky, resembles bark of true cork tree which is unrelated (*Quercus suber*), soft and spongy when pressed

Other: fruit pods turn black and remain through winter, native to Amur River area between China and Siberia

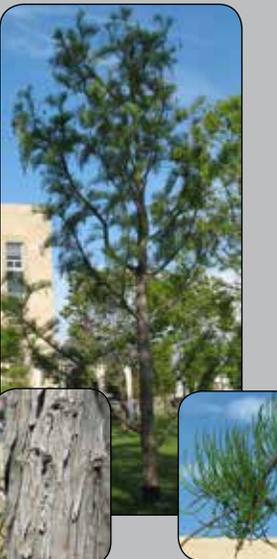
Silver Fir 11
Abies concolor

Mature Height: 50-75 ft
Mature Spread: 30 ft

Leaves: needles 2-3 in. long, horizontal on stem curving up and out like rib cage, blue cast on both sides, coniferous evergreen

Bark: whitish gray, smooth, resin blisters

Other: slow to medium growth



Bald Cypress 9
Taxodium distichum

Mature Height: 100-150 ft
Mature Diameter: 3-6 ft

Leaves: sharp-tipped, needle-like, in parallel rows, lime green, yellow then dull red in fall, drop off leaving twigs and making tree look like a dead evergreen

Bark: thin, red-brown when young then thick and fibrous

Other: can live over 1000 years, cone-shaped 'knees' at base

Maidenhair Tree 12
Ginkgo biloba

Mature Height: 66-115 ft

Leaves: alternate, simple, triangular fanlike, 2-3 in., grow in clusters, lime turning to yellow

Bark: light gray, ridge and valley texture

Other: native to China, one of oldest species still living, traditional medicinal uses, six trees survived the Hiroshima blast





Common Hackberry 13
Celtis occidentalis

Mature Height: 60 ft
Mature Diameter: 1.5-2 ft

Leaves: light green, lopsided base, tapered tip, 3 veins, edges have fine forward-facing teeth

Bark: mouse gray with warty projections suggestive of rough cement

Other: tangles of twisted twigs at branch ends, orange-red to blue-black, hard surface berries



Blue Beech Musclemo 16
Carpinus carolinianus

Mature Height: 20-30 ft
Mature Spread: 25 ft or more

Leaves: alternate, oblong, dark green turning yellow/orange

Bark: smooth, gray, vertical ridges, fluted base

Other: native to Canada, pendulous, nutlike fruit, slow growth, dense hard wood



Chinese Chestnut 14
Castanea mollissima

Mature Height: 40-60ft
Mature Diameter: 40-60 ft

Leaves: alternate, simple, broad-toothed, oblong, lance-like, dark green to yellow (in fall), soft underside

Bark: gray to gray-brown, furrowed

Other: native to China, resistant to Chestnut blight, yellow/white flowers in late spring, nuts in spiny seed case



Katsura Tree 17
Cercidiphyllum japonicum

Mature Height: 40-60 ft
Mature Spread: 20-30 ft

Leaves: opposite pairs on long stems and singly on short stems, rounded with heart-shaped base, tint of blue green in summer, turn pink and yellow in autumn, aroma of candy floss in fall due to rush of sugar in tree

Bark: brown, shaggy and peeling when old

Other: native to China and Japan, single or multi-trunked, around since Triassic Period, dinosaurs likely ate these



European Hornbeam 15
Carpinus betulus

Mature Height: 40-60 ft
Mature Spread: 50 ft

Leaves: alternate, oval, 2.5-5 in. long, heavily textured, dark green, serrated edges, dense in summer

Bark: steel gray, smooth, fluted, showy

Other: native to western Asia, pendulous nutlike fruit,



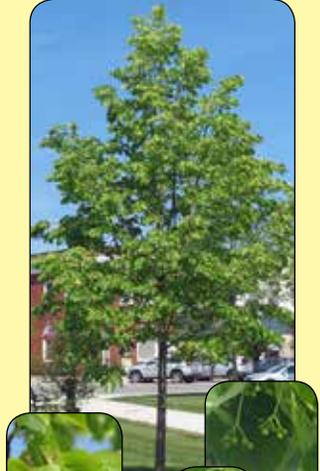
Little Leaf Linden 18
Tilia cordata

Mature Height: 60-80ft
Mature Diameter: 3 ft (1m)

Leaves: alternate, rounded to triangular and distinctively heart-shaped

Bark: smooth and grayish when young, vertical ridges and horizontal cracks when older

Other: small yellow-green flowers produced in clusters, heavily scented, attractive to bees, honey has medicinal and nutritional uses, used to make tea, native to North America





Saucer Magnolia 19
Magnolia x soulangiana

Mature Height: 20-25 ft
Mature Spread: 20-25 ft

Leaves: simple, shiny, oval, dark green on stout stems

Other: early fragrant flowers 4-8 in. across, pink with white inside, multi-stemmed shrub or tree, origin in France



Freeman Maple 22
a) Armstrong b) Autumn Blaze
Acer x freemanii 'Armstrong'
Acer x freemanii 'Jeffersred'

Mature Height: a)50-70ft b)50ft
Mature Spread: a)10-15ft b)40ft

Leaves: Blaze leaf is deep cut, 5 pointed lobes, blaze of colour in fall; Armstrong resembles Silver

Bark: gray, smooth

Other: both hybrids of Red and Silver Maple with solid structure, attractive form and showy colours from Red and fast growth from Silver; Armstrong columnar, Blaze oval but upright



Yellowbird Magnolia 20
Magnolia acuminata 'Yellowbird'

Mature Height: 60-90 ft
Mature Diameter: 2-4 ft

Leaves: 6-10 in., scattered, yellow-green, broadly spear-shaped, soft fine hairs on bottom

Bark: soft, flat, tan-gray, somewhat flaky with red-brown inner bark, long parallel 'knife cuts'

Other: fruit like small red cucumber splits to release bright red berries, fast growing



Sugar Maple 23
Acer saccharum

Mature Height: 60-100 ft
Mature Diameter: 3-4 ft

Leaves: opposite, smooth leaves with smooth edges five main, veined lobes with pointed tips, deep U-shaped sinuses, brilliant yellow-bronze in fall

Bark: light gray; often peels in long strips of side-curling ridges that are hard to break off

Other: parallel rows of small sapsucker holes may be found in trunk; holes for tapping sap for maple sugar are larger and lower down



Red Sunset Maple 21
Acer rubrum 'Franksred'

Mature Height: 40-50 ft
Mature Spread: 30-40 ft

Leaves: emerging growth, leaf-stalks, twigs and fall colour are all red or red-tinged; 2-5" long; three main triangular lobes, sometimes five with two being much smaller; toothed margins, pointed tips

Bark: thin, smooth, light-gray when small; thicker, gray-brown, flaky later

Other: native to Eastern North America



Silver Maple 24
Acer saccharinum

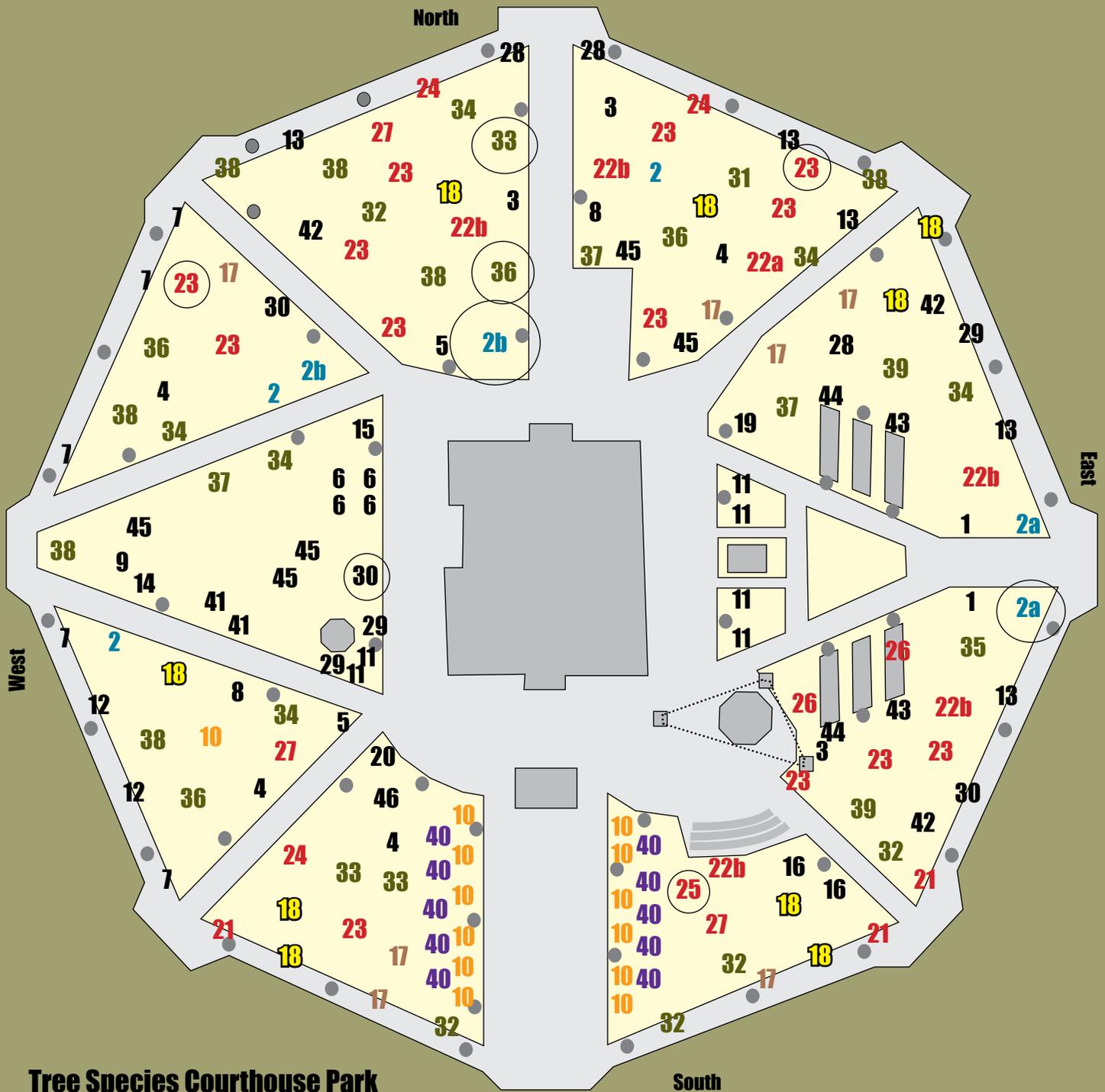
Mature Height: 50-80 ft
Mature Diameter: 2-3 ft

Leaves: opposite, 6-8 in. pointed, coarse toothed lobes, narrow rounded sinuses, silver underside

Bark: scruffy, unshaven look as ridges and plates curl at sides, pieces jut out in all directions

Other: fast growing soft maple





Tree Species Courthouse Park

- | | | |
|--|--|--|
| 1 Swedish Aspen <i>Populus</i> | 13 Common Hackberry <i>Celtis</i> | 40 Japanese Zelkova <i>Zelkova</i> |
| 2 European Beech <i>Fagus</i> | 14 Chinese Chestnut <i>Castanea</i> | 41 Eastern Redbud <i>Cercis</i> |
| 3 River Birch <i>Betula</i> | 15 European Hornbeam <i>Carpinus</i> | 42 Dawn Redwood <i>Metasequoia</i> |
| 4 Ohio Buckeye <i>Aesculus</i> | 16 Blue Beech Muscledwood <i>Carpinus</i> | 43-44 Serviceberries <i>Amelanchier</i> |
| 5 Northern Catalpa <i>Catalpa</i> | 17 Katsura Tree <i>Cercidiphyllum</i> | 45 Yellowwood <i>Cladrastis</i> |
| 6 Black Cherry <i>Prunus</i> | 18 Little Leaf Linden <i>Tilia</i> | 46 Weeping Golden Willow <i>Salix</i> |
| 7 Kentucky Coffee Tree <i>Gymnocladus</i> | 19-20 Magnolias <i>Magnolia</i> | |
| 8 Amur Cork Tree <i>Phellodendron</i> | 21-27 Maples <i>Acer</i> | |
| 9 Bald Cypress <i>Taxodium</i> | 28 Ornamental Pear <i>Pyrus</i> | |
| 10 Triumph Elm <i>Ulmus</i> | 29 Eastern White Pine <i>Pinus</i> | |
| 11 Silver Fir <i>Abies</i> | 30 London Plane Tree <i>Platanus</i> | |
| 12 Maidenhair Tree <i>Gingko</i> | 31-39 Oaks <i>Quercus</i> | |

○ Eight trees of various sizes survived the tornado of August 21, 2011 and are circled on the map.

The Pin Oak (#38) across from West St. was the first tree planted as the park's re-vegetation began in November 2012. Planting was completed in spring 2013. A total of 166 trees were planted (exclusive of the raised beds).



Crimson King Norway Maple 25
Acer platanoides 'Crimson King'

Mature Height: 40-100ft
Mature Diameter: 4-5 ft

Leaves: dark crimson with dark green undertones, stem exudes milky sap when broken, five lobes

Bark: gray-brown, shallowly grooved

Other: fast growing, weak wood, native to Europe, considered invasive in N. Am.

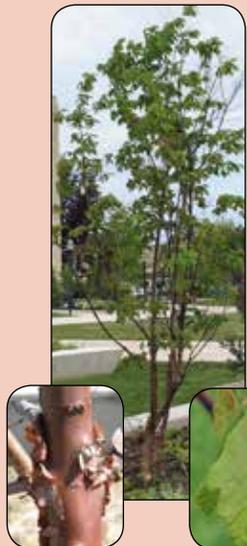
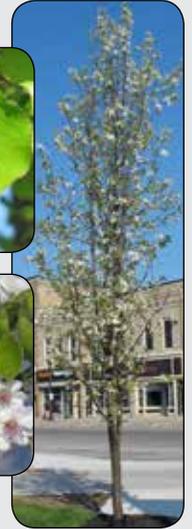


Ornamental Pear 28
Pyrus calleryana 'Chanticleer'

Mature Height: 25-35 ft
Mature Spread: 13-16 ft

Leaves: oval, glossy dark green turning reddish-purple, 3 in. long, slightly toothed edges, leaves dance in wind

Other: inedible fruit, 5-petalled creamy white flowers, native to China, Vietnam



Paperbark Maple 26
Acer griseum

Mature Height: up to 40 ft
Mature Diameter: just over 1 ft

Leaves: opposite, compound, each has 3 blue-green leaflets covered in thick, white hair on bottom, coarse-toothed to lobed edges

Bark: smooth, hard, thin, patches peels in curls, red-brown to purples

Other: native to China,



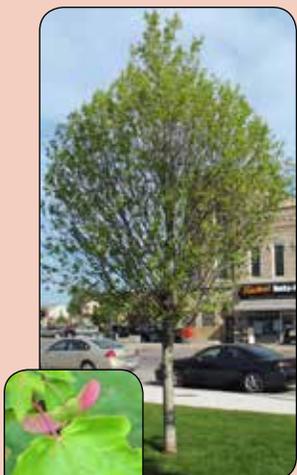
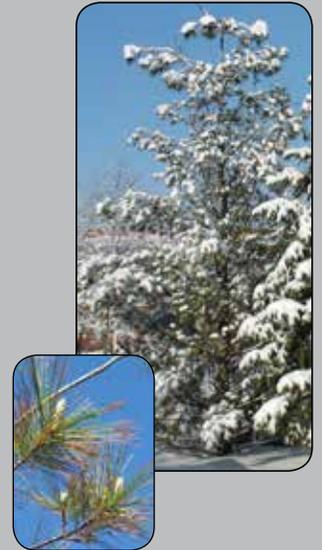
Eastern White Pine 29
Pinus strobus

Mature Height: 100 ft
Mature Diameter: 3-4 ft

Leaves: deep blue-green needles, 5 to a bundle, 3-5 in. long

Bark: smooth, silver-gray when young to dark and rough, wrinkled rings around each limb

Other: branches grow in clusters like wagon wheels extending up trunk



Hedge Maple 27
Acer campestre

Mature Height: 25-25 ft
Mature Diameter: up to 3 ft

Leaves: opposite, 3-5 lobed, 2-4 in. across, uniform dark green, edges look melted, milky sap in stems

Bark: gray-black, shallow ridges

Other: common hedgerow tree, native to Europe, Near East, Africa



London Plane Tree 30
Platanus x acerifolia

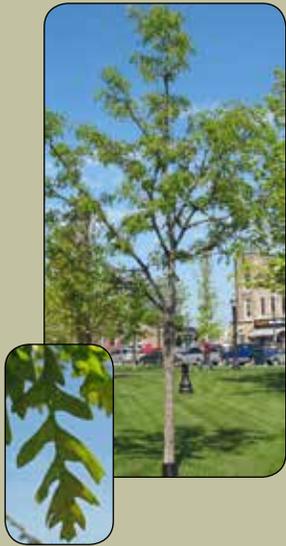
Mature Height: 70-80 ft
Mature Spread: 75 ft

Leaves: maple-like shape, alternate, simple, 6-7 in. long, 10 in. wide, medium to dark green turning yellow

Bark: pale gray-green, exfoliates to reveal creamy yellow inner bark

Other: pendulous flowers, origin in Spain, some similarities with sycamore and buttonwood





White Oak 31
Quercus alba

Mature Height: up to 150ft
Mature Diameter: over 4 ft

Leaves: rounded lobes and deep sinuses, smooth surface and edge

Bark: very light gray, varied texture from tight to long strips cracking loose

Other: commercially prized for veneer and barrel staves

White Oak Group: rounded lobes, sealed pores in heartwood, longer rays running with grain, exterior uses due to water tightness and rot resistance

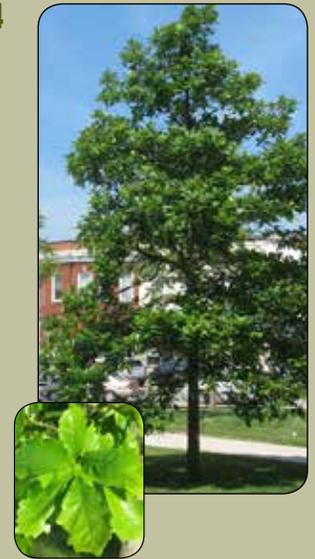
Swamp White Oak 34
Quercus bicolor

Mature Height: 100 ft
Mature Diameter: 4 ft

Leaves: 4-7 in. long, 2-4 in. wide, shape varies from irregular shallow lobes and sinuses to single wavy lobe per side, green on top white underneath

Bark: soft, varying shades of gray, long narrow ridges and plates

Other: member of White Oak Group



English Oak 32
Quercus robur

Mature Height: 40-70 ft
Mature Diameter: 40-70 ft

Leaves: short-stalked, dark green, blue-green underside, 3-7 blunt lobes, 3-5 in. long, no fall colour, brown leaves persist into winter, concave notch where leaf meets petiole (stem)

Bark: ridged, furrowed, dark gray to black

Other: member of White Oak Group, short trunk, lifespan can be 1000 yrs

Chinquapin Oak 35
Quercus muehlenbergii

Mature Height: 45-100 ft
Mature Diameter: 1.5-3 ft

Leaves: 2-6 in. long, width varies, narrow base, flare to midpoint then narrow to blunt tips, edges sharply toothed, yellow-green above, light below

Bark: light gray to light brown, thin and flaky

Other: member of White Oak Group, most height in crown, sometimes called yellow oak, sweet tasting acorns provide food for animals and birds



Burr Oak 33
Quercus macrocarpa

Mature Height: 100 ft
Mature Diameter: 3 ft

Leaves: long, wide, leathery, with narrow bases and broad, rounded, lobes, shiny green top, pale, hairy underside

Bark: dark gray-brown becoming thick and deeply fissured with age

Other: member of White Oak Group, acorns singly or in twos and threes and half covered by a cap with a bristle fringe around the edge, tolerates fire and drought

Red Oak 36
Quercus rubra

Mature Height: 100ft plus
Mature Diameter: 2.5 ft

Leaves: 5-8 inches. long, thick textured, glossy upper side, widely spread symmetrical pointed lobes

Bark: dark gray to black, shallow fissures, silver streaks

Other: fast growing, acorns without stalk grow singly or in pairs, eaten by many wildlife

Red Oak Group: pointed lobes, open pores in heartwood, shorter rays running with grain, interior uses





Scarlet Oak 37
Quercus coccinea

Mature Height: 60-80 ft
Mature Diameter: 1.5-2.5 ft

Leaves: lustrous, tough, dark green, 3-8 in. long, 5-9 narrow, spiked lobes and deep rounded sinuses, brilliant scarlet in fall

Bark: tight, dark gray, hard, shallow ridges, often silver stripes vertically

Other: member of Red Oak Group, acorns have concentric rings around tipped ends

Japanese Zelkova 40
Zelkova serrata 'Green Vase'

Mature Height: 100 ft (30m)
Mature Spread: 40-50 ft

Leaves: alternate, 5 cm long and broad, serrated edge oval to oblong-oval, rough on top, green to dark green becoming yellow/orange/red in autumn

Bark: gray-white to gray-brown, can exfoliate to reveal orange inner bark

Other: bonsai use, native to Japan, Caucasus, vase shape



Pin Oak 38
Quercus palustris

Mature Height: 50-130 ft
Mature Diameter: 1.5-4 ft

Leaves: tough, 3-5 in. long, usually 5 spiked lobes with broad, deep sinuses, deep glossy green, smooth with raised midvein, pale underside

Bark: hard with long slightly raised, gray-brown ridges and shallow, pink to tan valleys

Other: member of Red Oak Group, branches have short pin-like side twigs

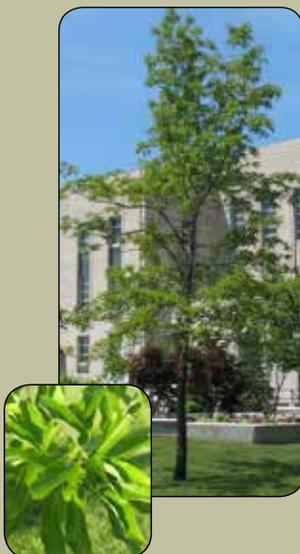
Eastern Redbud 41
Cercis canadensis

Mature Height: 20-30 ft
Mature Spread: 25-35 ft

Leaves: 2-6 in. long and broad, heart shaped smooth edges, top is purple in spring turning dark green then rusty red, bottom pale green

Bark: thin, scaly, dark gray with purple cast, peel up from sides giving scruffy look

Other: light pink flowers, thin flat beans



Shingle Oak 39
Quercus imbricaria

Mature Height: 65 ft
Mature Diameter: 1-2 ft

Leaves: alternate, 4-6 in., boat-shaped, lustrous dark green with lighter central vein, smooth, wavy edges cupping upward

Bark: brown to gray-black, long narrow plates and crevices vertically breaking away

Other: member of Red Oak Group, straight wide shingles could be split from wood

Dawn Redwood 42
Metasequoia glyptostroboides

Mature Height: 130-150ft
Mature Diameter: 6 ft

Leaves: linear, feathery, fern-like, soft to touch, green turning to red-bronze in fall, coniferous/deciduous

Bark: massive trunk with red-brown bark, fissured

Other: buttresses at base when mature, conical shape, similar to Bald Cypress and Sequoia, one of the tallest trees transplanted here





Robin Hill Serviceberry 43
Amelanchier x grandiflora 'Robin Hill'

Mature Height: 23 ft
Mature Spread: 15 ft

Leaves: coppery brown in spring to green then orange-red late summer /fall

Bark: smooth, gray

Other: delicate pink flowers emerge before leaves, rosy red or blue berries in summer, lives 40 years, low canopy four feet from ground



Juneberry 44
Amelanchier canadensis

Mature Height: 25-30 ft
Mature Spread: 15-20 ft

Leaves: alternate, elliptical, fine-toothed, dark green changing to red-orange

Other: early flowers, five-petaled and white in drooping clusters, small round berries, purplish-black in early summer, native to eastern N. Am., can be used in medicine and bonsai, also called Serviceberry and Saskatoonberry



Yellowwood 45
Cladrastis kentukea

Mature Height: less than 50 ft
Mature Diameter: under 2 ft

Leaves: alternate, compound, 8-12 in. with fat arrowhead leaflets, dark green, lighter underside, smooth edges

Bark: light gray, smooth, thin, hard with horizontal wrinkles under branches suggesting sagging

Other: roots boiled for yellow dye



Weeping Golden Willow 46
Salix alba 'Tristis'

Mature Height: 50-80 ft
Mature Diameter: 2-3 ft

Leaves: 2-4.5 in. long and narrow, fine sharp teeth at edges, glossy green top, silver-white underside

Bark: rough, gray-brown, texture like whipped icing

Other: flexible branches and twigs



SOURCES OF INFORMATION

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Martin Quinn, Goderich Parks Superintendent
Michael D. Williams. *Identifying Trees*, 2007
Wikipedia
www.missouribotanicalgardens.org
www.hort.uconn.edu/Plants/index.html
www.canadiantreetours.org

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