

Order	Common Name	Scientific Name	Characteristics	Location	Grid	Notes
51	Willow Oak	<i>Quercus phellos</i> (Fagaceae)	<b>Bark:</b> dark grey irregular ridge & furrow <b>Leaf:</b> alternate, simple, entire, thin, linear-narrowly elliptic, 2-5" long, shiny w/bristle tip, hairs in vein angles; deciduous <b>Fruit:</b> very small (.25-.5") downy acorns, yellow-brown, held singly or in pairs on short stout stalk, fall	CG lawn (dino), S end NT by creek	I9, O8	60-80 ft tall; SE USA; leaf looks like willow leaf, red oak group, good yellow fall color
52	American Plum	<i>Prunus americana</i> (Rosaceae)	<b>Bark:</b> brown, smooth-scaly when young, breaks into curling plates with age <b>Twig:</b> thorny w/spurs, red-brown, may or may not have hairs <b>Leaf:</b> alternate, simple, doubly serrate, 2-5" long, elliptical-obovate w/inequilateral base, no glands on petiole; deciduous <b>Flower:</b> showy 1" wide, white, 5 rounded petals w/prominent stamens, malodorous <b>Fruit:</b> 1" red drupe, in clusters, late summer	Mid-Azalea Trail, W of creek (near maize)	Q8	20-30 ft tall; midwest-eastern USA; small thicket-forming trees, looks much like cherry, only bark more brown than silver, good yellow fall color
53	Sourwood	<i>Oxydendrum aboreum</i> (Ericaceae)	<b>Bark:</b> slender, often leaning trunk; grey, irregular ridge & furrow to blocky <b>Twig:</b> hairless, red & green <b>Leaf:</b> alternate, simple, finely serrated, elliptic-lanceolate, often gets speckled late in season; deciduous <b>Flower:</b> .25" white urn-shaped, fragrant, held in panicles, summer <b>Fruit:</b> ovoid 5-part capsule, held erect on panicles, green matures to grey, fall (often persists into winter)	Azalea Trail, opposite island bridge	Q9	40-60 ft; SE USA, pyramidal crown of crooked, upright spreading branches, excellent red fall color
54	Chestnut Oak	<i>Quercus prinus</i> (Fagaceae) AKA <i>Quercus montana</i>	<b>Bark:</b> blocky ridge & furrow <b>Leaf:</b> alternate, simple, obovate, thin, crenate, 12-14 pairs of rounded "teeth", commonly 4-6" (up to 10") long, mostly glabrous (some fuzz in vein angles); deciduous <b>Flower:</b> female flowers are inconspicuous; male catkins are pendulous <b>Fruit:</b> ~1" acorn, cap is funnel shaped with fused scales, occurs single or in pairs	Azalea Trail, N of 2nd (island) bridge	Q9	50-70 ft; native to rocky sites in eastern US; only chestnut-leaved oak without scaly bark; very young acorns (before tannins & quercitin are leached out) and young leaves are mildly poisonous if ingested; aged acorns are food for wildlife; white oak group, poor fall color
55	Shagbark Hickory	<i>Carya ovata</i> (Juglandaceae)	<b>Bark:</b> grey linear exfoliating strips <b>Twig:</b> distinct redish-brown color <b>Leaf:</b> alternate, odd-pinnately compound, 5-(7) rounded leaflets (almost sessile), fine serrations, often get rust spots; deciduous <b>Flower:</b> pointed valvate bud, inconspicuous, monoecious <b>Fruit:</b> nut surrounded by a thick, very hard round seamed husk that splits 4 ways when ripe, edible	Fern Glade	L9	60-80 ft; tall, strait trunk, sometimes buttressed base, taproot, usually narrow canopy; good yellow fall color; native to high/dry sites but adaptable to low/moist river bottoms

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56	Chinkapin Oak	<i>Quercus muehlenbergii</i> (Fagaceae)	<b>Bark:</b> flaky-scaly, very light grey, checkered knobs <b>Twig:</b> black axillary bud <b>Leaf:</b> alternate, simple, obovate, thin, crenate, 10-14 pairs of rounded "teeth" curve toward tip, tiny gland on the tip of each crenation (not a bristle), glabrous (not fuzzy); deciduous <b>Flower:</b> monoecious; male flowers are yellow-green catkins 3-4"; females are green-reddish, very small in leaf axils, after leaf-out <b>Fruit:</b> acorn .5-1" long, ovoid, thin bowl-shaped cap covers about 1/3 of acorn, tattered fringe on cap margin, dark brown when mature	Hosta Garden, S end Dogwood Trail	N6	40-80 ft tall; mid to E USA, AKA Yellow Oak, high pH indicator species, white oak group, poor fall color
57	Post Oak	<i>Quercus stellata</i> (Fagaceae)	<b>Bark:</b> It grey to red-brown, scaly, finely fissured <b>Twig:</b> yellow hairs when young, darker & shed with age <b>Leaf:</b> alternate, simple, 5-7 lobes, no bristles, 2 middle lobes rectangular, make leaf look like a cross, leathery, shiny, dk green; deciduous <b>Fruit:</b> round acorn, .5-1", cap cap covers 1/2 of acorn	Hosta Garden, S end Dogwood Trail	N6	30-60 ft tall; range: SE USA to TX; short trunk w/dense gnarled branches, white oak group, poor fall color
58	Water Oak	<i>Quercus nigra</i> (Fagaceae)	<b>Bark:</b> shallow ridge & furrow, brown-grey <b>Twig:</b> slender, red-brown; buds short, sharp-pointed, angular, red-brown, multiple at the tip <b>Leaf:</b> alternate, simple, 2-4"long by 1" wide, variable in shape spatulate to lanceolate (0-3 lobes), glabrous, retained; deciduous <b>Flower:</b> monoecious; male catkins; female spikes, at leaf-out <b>Fruit:</b> small 1/2" acorns, very dark color, 1/3 covered by a flattened cap with appressed scales, maturing in fall of the 2nd year	S end upper Dogwood Trail	O6	50-80 ft tall; SE USA; med-sized oak w/tall trunk & high crown, white oak group, poor fall color - dead leaves retained until late winter
59	Scarlet Oak	<i>Quercus coccinea</i> (Fagaceae)	<b>Young Bark:</b> gray-brown with smooth streaks <b>Mature Bark:</b> darker, developing irregular broad ridges and narrow furrows <b>Twig:</b> <b>Leaf:</b> alternate, simple, 3-7" , oval with very deep sinuses, bristle-tipped lobes, shiny green above, paler and glabrous below (may have fuzz in vein angles); deciduous <b>Flower:</b> monoecious; males are yellow-green catkins; females short axillary spikes, during leaf-out <b>Fruit:</b> .5-1" acorns, held singly or pairs, cap covers 1/2 of the nut, cap scales are shiny, the tip of the acorn may have concentric rings or fine cracks; matures in 2nd yr, fall	Mid-upper Dogwood Trail	M6	60-80ft; dry uplands in the Appalachian Mountains; narrow irregular crown, often has buttressing roots, red oak group, poor fall color
60	Southern Red Oak	<i>Quercus falcata</i> (Fagaceae)	<b>Bark:</b> grey-brown lumpy ridge & furrow <b>Leaf:</b> alternate, simple, 4-9" long, (3)-5 narrow lobes with bristle tips, widest in middle, shiny green above/rusty-grey & fuzzy beneath, <i>bell shaped base, leaves droop</i> ; deciduous <b>Fruit:</b> .5-.75" round acorn, shallow cap w/hairy scales, tapers on short stalk to twig, held singly or in pairs, fall	Mid-N end upper Dogwood Trail	M6	50-80 ft tall; SE USA; med-sized oak w/tall trunk & high crown, red oak group, yellow fall color