

ZONING

27 Attachment 19

Township of Ferguson

Appendix D – Selective Native Buffer Planting List University of Pennsylvania, Morris Arboretum

Common Name	Botanic Name	Flower	Bloom Time	Sunlight	Moisture	Notes
FERNS						
Cinnamon fern	<i>Osmunda cinnamomea</i>			☐-☐	FACW	Cinnamon-colored fertile fronds; moist acid soils
Interrupted fern	<i>Osmunda claytoniana</i>			☐-☐	FAC	Grows in clumps; distinctive fertile fronds. Common in woods, seeps, swamps and bogs
Sensitive fern	<i>Oncoclea sensibilis</i>			☐-☐	FACW	Sunny or shaded swamps, marshes, moist meadows. Forms colonizing masses
GRASSES & SEDGES						
Big blue stem	<i>Andropogon gerardii</i>		Aug-Sep	☐	FAC	Tall clump forming; streambanks and moist meadows
Broom sedge	<i>Carex scoparia</i>		Summer	☐	FACW	Moist open ground
False nut sedge	<i>Cyperus strigosus</i>		Summer	☐-☐	FACW	Moist fields, woods, swamps and streambanks
Lund sedge	<i>Carex lurida</i>		Jun-Oct	☐	OBL	Common in swamps, wet meadows and bogs
Riverbank wild rye	<i>Elymus riparius</i>		July-Sep	☐	FACW	Alluvial flats, meadows and streambanks
Sedge	<i>Carex vulpinoidea</i>		Summer	☐	OBL	Swampy areas
Soft rush	<i>Juncus effusus</i>		Summer	☐	OBL	Swamps, moist fields and floodplains
Switch grass	<i>Panicum virgatum</i>		Aug-Sep	☐	FAC	Clump grass; can help to control erosion. Sandy and river soils
Tussock sedge	<i>Carex stricta</i>		May-Aug	☐-☐	OBL	Forms a hummocky mound; swamps, streambanks and wet meadows
Virginia wild rye	<i>Elymus virginicus</i>		Jun-Sep	☐-☐	FACW	Moist woods, meadows, streambanks
Wool grass	<i>Scirpus cyperinus</i>		Jul-Sep	☐	FACW	Tall clump forming, wooly seed head. Marshes, moist meadows, swales and shorelines
FLOWERING PERENNIALS						
Beard-tongue	<i>Pentstemon digitalis</i>	White	May-Jul	☐	FAC	Attracts hummingbirds; moist meadows
Butter gentian	<i>Gentiana andrewsii</i>	Blue	Apr-Oct	☐-☐	FACW	Bottle-shaped flowers; moist meadow species
Blue vervain	<i>Verbena hastata</i>	Blue	Jun-Sep	☐-☐	UPL	Bright flowers; herbal uses; streambanks and moist meadows
Blue-eyed grass	<i>Sisyrinchium angustifolium</i>	White	Jun-Jul	☐-☐	FACW	Tiny blue flowers above grassy foliage; dry to moist meadows and fields
Boneset	<i>Eupatorium perfoliatum</i>	White	Jul-Aug	☐-☐	FACW	Wet meadow species
Cardinal flower	<i>Lobelia cardinalis</i>	Scarlet	Jul-Sep	☐-☐	FACW	Long bloom time; attracts butterflies and hummingbirds; streambanks and pond margins
Cut-leaf coneflower	<i>Rudbeckia laciniata</i>	Yellow	Jul-Sep	☐-☐	FACW	Herbal uses; streambanks
Ironweed	<i>Veronica noveboracensis</i>	Purple	Aug-Sep	☐	FACW	Tall plant with brilliant late summer flowers
Jack-in-the-pulpit	<i>Arisaema triphyllum</i>	Green-purple	Apr-Jun	☐-☐	FACW	Unusual flower; bright red berries; moist woods, swamps and bogs
Joe-pye weed	<i>Eupatorium fistulosum</i>	Purple	Aug-Sep	☐	FACW	Attracts beneficial insects; herbal uses
New England aster	<i>Aster novae-angliae</i>	Purple	Aug-Oct	☐-☐	FACW	Showy and frequently cultivated; dry to moist meadows
Partridgeberry	<i>Mitchella repens</i>	White	Jun-Jul	☐-☐	FACU	Evergreen; ground cover; edible berry; moist woods
Purple stemmed aster	<i>Aster purpureus</i>	Blue	Aug-Sep	☐-☐	OBL	Does well in moist meadows; deep green foliage
Smooth goldsored	<i>Solidago pigartha</i>	Yellow	Jul-Nov	☐-☐	FACW	Tall; pupfish stem with smooth leaves; dry to moist fields
Swamp milkweed	<i>Asclepias incarnata</i>	Rose	July-Aug	☐	OBL	Attracts butterflies; moist meadows
Tall meadowue	<i>Thalictrum pubescens</i>	White	Jun-Jul	☐-☐	FACW	Tall plant with cloudy clusters of tiny flowers; bluish foliage; moist meadows and swales
Wingsstem	<i>Verbesina alternifolia</i>	Yellow	Aug-Oct	☐	FAC	Moist riverbanks, shaded lowlands
Wood geranium	<i>Geranium maculatum</i>	Rose-pink	Apr-May	☐-☐	FACU	Woods and fields
SHRUBS						
American elderberry	<i>Sambucus canadensis</i>	White	Jun-Jul	☐	FACW	Edible berries & flowers; multi-stemmed; very high wildlife value
Arowwood	<i>Viburnum dentatum</i>	White	May-Jul	☐-☐	FAC	Dark blue fruits in fall; high wildlife value; streambanks, pastures
Black chokeberry	<i>Aronia melanocarpa</i>	White	May-Jul	☐	FAC	White flowers; black berries; fall color
Buttonbush	<i>Cephalanthus occidentalis</i>	White	Jun-Sep	☐	OBL	Multi-stemmed; tolerates inundation
Dangleberry	<i>Gaylussacia frondosa</i>	White	May	☐-☐	FAC	Edible fruits; high wildlife value; acid soils
Highbush blueberry	<i>Vaccinium corymbosum</i>	White	May-Jun	☐	FACW	Multi-stemmed; edible berries; fall color; very high wildlife value
Maleberry	<i>Lyonia ligustrina</i>	White	June	☐	FACW	Dry to wet woods and thickets; acid soils
Ninebark	<i>Physocarpus opulifolius</i>	White	May-Jul	☐-☐	FACW	Wet woods, sandy or rocky streambanks
Northern arrowwood	<i>Viburnum recognitum</i>	White	May	☐-☐	FACW	Dark blue fruits in fall; high wildlife value; streambanks, swamps, wet pastures
Pussy willow	<i>Salix discolor</i>	Yellow-green	April	☐	FACW	Swamps and wet woods
Red chokeberry	<i>Aronia arbutifolia</i>	White	May	☐	FACW	Red berries; high value for wildlife
Rosebay	<i>Rhododendron maximum</i>	Pink	Jun-Jul	☐	FAC	Showy flowers; evergreen; multi-stemmed; acid soils
Silly dogwood	<i>Cornus amomum</i>	White	May-Jul	☐-☐	FACW	Flowers in summer; blue berries; multi-stemmed; very high wildlife value
Silly willow	<i>Salix sericea</i>	Yellow-green	May	☐-☐	OBL	Good wildlife value; needs wet conditions
Spice bush	<i>Lindera bertolonii</i>	Yellow	Mar-May	☐-☐	FACW	Bright red berries in fall; herbal uses; wildlife value
Swamp dogwood	<i>Cornus racemosa</i>	White	May-Jun	☐	FAC	Colonizer; high wildlife value
Swamp rose	<i>Rosa palustris</i>	Pink	May-Jun	☐	OBL	Showy and fragrant
Winterberry holly	<i>Ilex verticillata</i>	White	May-Jun	☐	FACW	Showy berries in winter; high wildlife value; good colonizing shrubs for streambanks
Witch-hazel	<i>Hamamelis virginiana</i>	Yellow	Sep-Nov	☐-☐	FAC	Bright yellow flowers fragrant; medicinal uses
TREES						
American beech	<i>Fagus grandifolia</i>	Yellow	Apr-May	☐-☐	FAC	Large tree with smooth gray bark; moist, but well-drained soils; high wildlife value
Basswood	<i>Tilia Americana</i>	Yellow	May-Jun	☐-☐	FACU	Flowers aromatic; with herbal uses
Black ash	<i>Fraxinus nigra</i>	Purple	April	☐-☐	FACW	Large tree in wet woods and bottomlands
Black gum	<i>Nyssa sylvatica</i>	Green-white	Apr-May	☐-☐	FAC	Tall tree with outstanding fall color; high wildlife value
Black walnut	<i>Juglans nigra</i>	Yellow	May-Jun	☐	FACU	Fast growing tall tree; high wildlife value
Black willow	<i>Salix nigra</i>	Yellow	Apr-May	☐	FACW	Catkins in spring, very fast grower
Green ash	<i>Fraxinus pennsylvanica</i>	Purple	Apr-May	☐	FACW	Fast growth; food fall color
Hornbeam	<i>Carpinus caroliniana</i>	Red	Apr-May	☐-☐	FAC	Small tree with sinuous gray bark; moist woods
Yagoda dogwood	<i>Cornus alternifolia</i>	White	May-Jun	☐	FAC	Small tree for moist woods and shaded ravines; dark blue fruit
Pin oak	<i>Quercus palustris</i>	Yellow	Apr-May	☐	FACW	Ornamental street tree; fall color; very high wildlife value
Red maple	<i>Acer rubrum</i>	Red	Mar-Apr	☐-☐	FAC	Adapts to range of moisture conditions; good fall color
River birch	<i>Betula nigra</i>	Yellow-green	May	☐-☐	FACW	Notable for its peeling bark; floodplains, streambanks, wet woods and swamps
Shadbush	<i>Amelanchier arborea</i>	White	Apr	☐	FAC	Small tree with early spring flowers; delicious edible berries in summer
Shagbark hickory	<i>Carya ovalis</i>	Yellow	May	☐-☐	FAC	Shaggy gray exfoliating bark; very high wildlife value
Silver maple	<i>Acer saccharinum</i>	Yellow-red	Apr-May	☐-☐	FACW	Moist woods, streambanks, alluvial soils
Swamp white oak	<i>Quercus bicolor</i>	Yellow	May	☐	FACW	Large tree with very high wildlife value; good wetland oak
Sweet birch	<i>Betula lenta</i>	Yellow-green	May	☐-☐	FACU	Wintergreen scented bark and foliage; streambanks and woodlands
Sycamore	<i>Platanus occidentalis</i>	Yellow	April	☐	FACW	Large tree with showy mottled bark; riverbanks, floodplains and alluvial soils
Tulip tree	<i>Liriodendron tulipifera</i>	Yellow	May-Jun	☐-☐	FAC	Large tree with green/orange flowers; fast growth; moist, but well drained soils

KEY

- ☐, ☐, ☐ full sun, light shade, shade
- OBL consistently wet or saturated soils (obligate in wetlands)
- FACW wet to moist soils (facultative wetland)
- FAC most soils (facultative)
- FACU moist to dry soils (facultative upland)
- UPL dry soils (upland)

From the Morris Arboretum of the University of Pennsylvania