

ZONING

27 Attachment 2

Township of Richland

Appendix 27-B Bucks County Wetland Plant List

The following plant list represents common wetland species found in Bucks County. These species are reliable indicators of wetlands when found dominating a site (e.g., comprising more than 50% of the vegetation).

This list was derived from a larger regional list of wetland plants located in the northeastern United States compiled by the U.S. Fish and Wildlife Service. The selections for this Bucks County list were made with the assistance of several regional experts: Dr. Ann Rhoads, Director of Botany, Morris Arboretum; Dr. Ernest Schuyler, Associate Curator, Academy of Natural Sciences; Dr. David Benner, Professor of Botany, Delaware Valley College; and Edward Perry, Assistant Supervisor, U.S. Fish and Wildlife Service at State College.

	SCIENTIFIC NAME	COMMON NAME
1.	<i>Acer negundo</i>	Box Elder
2.	<i>Acer saccharinum</i>	Silver Maple
3.	<i>Acorus calamus</i>	Sweetflag
4.	<i>Agrostis alba</i>	Redtop
5.	<i>Alisma subcordatum</i>	American Water Plantain
6.	<i>Alnus serrulata</i>	Hazel Alder
7.	<i>Amaranthus cannabinus</i>	Tidal Marsh Waterhemp
8.	<i>Amorpha fruticosa</i>	Indigo Bush
9.	<i>Andropogon gerardii</i>	Big Bluestem
10.	<i>Andropogon glomeratus</i>	Bushybeard Bluestem
11.	<i>Andropogon virginicus</i>	Broomsedge Bluestem
12.	<i>Arisaema triphyllum</i>	Jack-in-the-Pulpit
13.	<i>Amnia arbutifolia</i>	Red Chokeberry
14.	<i>Aronia melanocarpa</i>	Black Chokeberry
15.	<i>Asclepias incarnata</i>	Swamp Milkweed
16.	<i>Aster umbellatus</i>	Flat-topped White Aster
17.	<i>Betula nigra</i>	River Birch
18.	<i>Bidens</i> (all species)	Beggarticks
19.	<i>Boehmeria cylindrica</i>	Smallspike False-Nettle
20.	<i>Calamagrostis canadensis</i>	Bluejoint

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	SCIENTIFIC NAME	COMMON NAME
21.	<i>Calamagrostis cinnoides</i>	Nuttall's Reedgrass
22.	<i>Caltha palustris</i>	Marsh Marigold
23.	<i>Cardamine bulbosa</i>	Spring Cress
24.	<i>Cardamine pensylvanica</i>	Pennsylvania Bittercress
25.	<i>Carex</i> (all species)	Sedge
26.	<i>Cephalanthus occidentalis</i>	Common Buttonbush
27.	<i>Chelone glabra</i>	White Turtlehead
28.	<i>Chrysosplenium americanum</i>	Golden Saxifrage
29.	<i>Cicuta bulbifera</i>	Bulblet-bearing Water Hemlock
30.	<i>Cicuta maculata</i>	Spotted Water Hemlock
31.	<i>Cinna arundinacea</i>	Stout Woodreed
32.	<i>Clethra alnifolia</i>	Summersweet Clethra
33.	<i>Conium maculatum</i>	Poison Hemlock
34.	<i>Comas amomum</i>	Silky Dogwood
35.	<i>Cyperus</i> (all species)	Flatsedge
36.	<i>Decodon verticillatus</i>	Water Willow
37.	<i>Dulichium arundinaceum</i>	Three Way Sedge
38.	<i>Echinochloa walteri</i>	Walter Millet
39.	<i>Eleocharis</i> (all species)	Spikerush
40.	<i>Epilobium coloratum</i>	Purpleleaf Willowweed
41.	<i>Equisetum fluviatile</i>	Water Horsetail
42.	<i>Equisetum hyemale</i>	Scouring Rush Horsetail
43.	<i>Eragrostis hypnoides</i>	Teal Lovegrass
44.	<i>Eragrostis pectinacea</i>	Tufted Lovegrass
45.	<i>Eupatoriadelphus dubius</i>	Eastern Joe-Pye Weed
46.	<i>Eupatorium perfoliatum</i>	Common Boneset
47.	<i>Eupatorium pilosum</i>	Hairy Thoroughwort
48.	<i>Euthamia graminifolia</i>	Grass-Leaved Goldenrod
49.	<i>Fraxinus nigra</i>	Black Ash

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	SCIENTIFIC NAME	COMMON NAME
50.	<i>Fraxinus pennsylvanica</i>	Green Ash
51.	<i>Galium obtusum</i>	Bluntleaf Bedstraw
52.	<i>Galium parisiense</i>	Wall Bedstraw
53.	<i>Galium tinctorium</i>	Stiff Marsh Bedstraw
54.	<i>Glyceria</i> (all species)	Mannagrass
55.	<i>Helenium autumnale</i>	Common Sneezeweed
56.	<i>Heteranthera reniformis</i>	Roundleaf Mudplantain
57.	<i>Hibiscus mosocheutos</i>	Rose Mallow
58.	<i>Hydrophyllum virginianum</i>	Virginia Waterleaf
59.	<i>Hypericum mutilum</i>	Dwarf St. Johnswort
60.	<i>Ilex verticillata</i>	Winterberry
61.	<i>Impatiens capensis</i>	Spotted Jewelweed
62.	<i>Impatiens pallida</i>	Pale Touch-Me-Not
63.	<i>Iris pseudacorus</i>	Yellow Iris
64.	<i>Iris versicolor</i>	Blueflag Iris
65.	<i>Juncus</i> (all species)	Rush
66.	<i>Laportea canadensis</i>	Canadian Woodnettle
67.	<i>Leersia oryzoides</i>	Rice Cutgrass
68.	<i>Leersia virginica</i>	Whitegrass
69.	<i>Leucothoe racemosa</i>	Swamp Leucothoe
70.	<i>Lindera benzoin</i>	Spicebush
71.	<i>Liquidambar styraciflua</i>	Sweetgum
72.	<i>Ludwigia</i> (all species)	Primrose
73.	<i>Lycopus</i> (all species)	Bugleweed
74.	<i>Lyonia ligustrina</i>	Male Berry
75.	<i>Lysimachia</i> (all species)	Loosestrife
76.	<i>Lythrum salicaria</i>	Purple Loosestrife
77.	<i>Magnolia virginiana</i>	Sweetbay Magnolia
78.	<i>Mentha X piperita</i>	Peppermint

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	SCIENTIFIC NAME	COMMON NAME
79.	<i>Mertensia virginica</i>	Virginia Bluebells
80.	<i>Mimulus ringens</i>	Monkey-Flower
81.	<i>Myosotis scorpioides</i>	True Forget-Me-Not
82.	<i>Nasturtium officinale</i>	Watercress
83.	<i>Nuphar luteum</i>	Yellow Water-Lily
84.	<i>Onoclea sensibilis</i>	Sensitive Fern
85.	<i>Osmunda</i> (all species)	Fern
86.	<i>Panicum longifolium</i>	Long-Leaved Panic-Grass
87.	<i>Panicum rigidulum</i>	Redtop Panicum
88.	<i>Peltandra virginica</i>	Green Arrow Arum
89.	<i>Phalaris arundinacea</i>	Reed Reetlarygrass
90.	<i>Phragmites australis</i>	Common Reed
91.	<i>Polygonum amphibium</i>	Water Knotweed
92.	<i>Polygonum arifolium</i>	Halberdleaf Tearthumb
93.	<i>Polygonum hydropiper</i>	Marshpepper Knotweed
94.	<i>Polygonum hydropiperoides</i>	Swamp Smartweed
95.	<i>Polygonum pennsylvanicum</i>	Pennsylvania Smartweed
96.	<i>Polygonum punctatum</i>	Dotted Smartweed
97.	<i>Polygonum sagittatum</i>	Arrow-Leaved Tearthumb
98.	<i>Polygonum scandens</i>	Climbing False Buckwheat
99.	<i>Pontederia cordata</i>	Pickerelweed
100.	<i>Quercus bicolor</i>	Swamp White Oak
101.	<i>Quercus palustris</i>	Pin Oak
102.	<i>Quercus phellos</i>	Willow Oak
103.	<i>Ranunculus sceleratus</i>	Celeryleaf Buttercup
104.	<i>Ranunculus septentrionalis</i>	Swamp Buttercup
105.	<i>Rhododendron viscosum</i>	Swamp Azalea
106.	<i>Rhynchospora capitellata</i>	Brownish Beaksedge
107.	<i>Rorippa palustris</i>	Marsh Yellowcress

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	SCIENTIFIC NAME	COMMON NAME
108.	<i>Rorippa sylvestris</i>	Creeping Yellowcress
109.	<i>Rosa palustris</i>	Swamp Rose
110.	<i>Sagittaria</i> (all species)	Arrowhead
111.	<i>Salix</i> (all species)	Willow
112.	<i>Saururus cernuus</i>	Lizard's Tail
113.	<i>Scirpus</i> (all species)	Bulrush
114.	<i>Scutellaria integrifolia</i>	Rough Skullcap
115.	<i>Scutellaria lateriflora</i>	Blue Skullcap
116.	<i>Sium suave</i>	Common Waterparsnip
117.	<i>Smilax hispida</i>	Bristly Greenbriar
118.	<i>Sparganium</i> (all species)	Burreed
119.	<i>Spiraea latifolia</i>	Broadleaf Meadowsweet
120.	<i>Spiraea tomentosa</i>	Steeplebush
121.	<i>Symplocarpus foetidus</i>	Common Skunkcabbage
122.	<i>Thelypteris thelypteroides</i>	Marsh Fern
123.	<i>Triadenum virginicum</i>	Marsh St. Johnswort
124.	<i>Typha angustifolia</i>	Narrow-Leaved Cattail
125.	<i>Typha latifolia</i>	Common Cattail
126.	<i>Ulmus americana</i>	American Elm
127.	<i>Ulmus rubra</i>	Slippery Elm
128.	<i>Vaccinium corymbosum</i>	Highbush Blueberry
129.	<i>Vaccinium macrocarpon</i>	Large Cranberry
130.	<i>Verbena hastata</i>	Swamp Verbena
131.	<i>Viburnum dentatum</i>	Arrowwood
132.	<i>Viburnum recognitum</i>	Southern Arrowwood
133.	<i>Woodwardia areolata</i>	Netted Chain Fern
134.	<i>Zizania aquatica</i>	Annual Wildrice

(Ord. 251, 11/14/2011, Appendix B)