

ZONING

500 Attachment 12

Township of Caernarvon

Exhibit "A"

[Added 11-28-2017 by Ord. No. 295]

DCNR Invasive Plant List

DCNR defines invasive plants as those species that are not native to the state, grow aggressively, and spread and displace native vegetation. Invasive plants are generally undesirable because they are difficult and costly to control and can dominate whole habitats, making them environmentally destructive in certain situations. Not all non-native plants become invasive. In fact, very few actually do. The plants listed here have been determined by DCNR to be invasive on State Forest and State Park lands and may act aggressively in other parts of Pennsylvania. Some of the species listed below are only invasive in certain environmental conditions and there may be cases where they may be used with little environmental risk. This list was compiled through coordinated efforts between ecologists in Pennsylvania and other natural resource partners. New species cross state borders and some plants that have been here for decades may suddenly become invasive due to changing land uses, changes in weather or climate, or genetic reasons, so this list may change over time and will be updated periodically. This list is not regulatory. It is used to guide the management efforts of DCNR lands because of knowledge that these species can become invasive under the right environmental conditions. To learn more about invasive plants in Pennsylvania and how they can be controlled, visit www.dcnr.state.pa.us/forestry/plants/invasiveplants/index.htm.

Invasive plant species have been ranked in terms of the threat they pose to native plant communities. Each rank is defined below:

Rank 1- Severe Threat. Exotic plant species that possess characteristics of invasive species and spread easily into native plant communities and displace native vegetation. Includes species that are or could become widespread in Pennsylvania.

Rank 2- Significant Threat. Exotic plant species that possess characteristics of invasive species but are not presently considered to spread as easily and aggressively into native plant communities as those species listed as Rank 1.

Rank 3- Lesser Threat. Exotic plant species that spread in or near disturbed areas, and are not presently considered a major threat to undisturbed native plant communities.

Watch List- Exotic plant species that are severe problems in surrounding states but have not been widely reported in Pennsylvania, OR may naturalize and become a problem in the future and require more monitoring.

CAERNARVON CODE

Vines		
Scientific Name	Common Name	Rank
<i>Ampelopsis glandulosa</i>	Porcelain Berry	1
<i>Celastrus orbiculatus</i>	Oriental Bittersweet	1
<i>Humulus japonicus</i>	Japanese Hops	1
<i>Lonicera japonica</i>	Japanese Honeysuckle	1
<i>Persicaria perfoliata</i>	Mile-a-Minute	1
<i>Pueraria montana</i> var. <i>lobata</i>	Kudzu	1
<i>Vincetoxicum nigrum</i>	Black Swallow-Wort	1
<i>Vincetoxicum rossicum</i>	Pale Swallow-Wort	1
<i>Euonymus fortunei</i>	Wintercreeper	2
<i>Wisteria floribunda</i>	Japanese Wisteria	2
<i>Wisteria sinensis</i>	Chinese Wisteria	2
<i>Hedera helix</i>	English ivy	3
<i>Vinca major</i>	Bigleaf Periwinkle	3
<i>Vinca minor</i>	Common Periwinkle	3
<i>Akebia quinata</i>	Chocolate Vine	Watch
<i>Clematis terniflora</i>	Japanese Clematis	Watch
<i>Dioscorea polystacha</i>	Chinese Yam	Watch

Herbs and Forbs		
Scientific Name	Common Name	Rank
<i>Alliaria petiolata</i>	Garlic Mustard	1
<i>Conium maculatum</i>	Poison Hemlock	1
<i>Fallopia japonica</i>	Japanese Knotweed	1
<i>Fallopia sachalinensis</i>	Giant Knotweed	1
<i>Fallopia X bohemica</i>	Hybrid Knotweed	1
<i>Ficaria verna</i>	Lesser Celandine	1
<i>Galega officinalis</i>	Goatsrue	1
<i>Heracleum mantegazzianum</i>	Giant Hogweed	1
<i>Lythrum salicaria</i>	Purple Loosestrife	1
<i>Centaurea jacea</i>	Brown Knapweed	2
<i>Centaurea nigra</i>	Black Knapweed	2
<i>Centaurea stoebe</i>	Spotted Knapweed	2
<i>Chelidonium majus</i>	Greater Celandine	2
<i>Cirsium arvense</i>	Canada Thistle	2
<i>Cirsium vulgare</i>	Bull Thistle	2
<i>Hesperis matronalis</i>	Dames Rocket	2
<i>Iris pseudacorus</i>	Yellow Flag Iris	2
<i>Lespedeza bicolor</i>	Shrubby Bushclover	2
<i>Lespedeza cuneata</i>	Chinese Bushclover	2
<i>Pastinaca sativa</i>	Wild Parsnip	2
<i>Perilla frutescens</i>	Beefsteak Plant	2
<i>Rubus phoenicolasius</i>	Wineberry	2
<i>Securigera varia</i>	Crown-vetch	2
<i>Aegopodium podagraria</i>	Goutweed	3

ZONING

Herbs and Forbs		
Scientific Name	Common Name	Rank
Anthriscus sylvestris	Wild Chervil	3
Artemisia vulgaris	Mugwort	3
Butomus umbellatus	Flowering Rush	3
Cardamine impatiens	Narrowleaf Bittercress	3
Carduus acanthoides	Spiny Plumeless Thistle	3
Carduus nutans	Musk Thistle	3
Datura stramonium	Jimsonweed	3
Epilobium hirsutum	Hairy Willow Herb	3
Epilobium parviflorum	Smallflower Hairy Willow-Herb	3
Hemerocallis fulva	Orange Day-Lily	3
Lysimachia nummularia	Moneywort	3
Pachysandra terminalis	Japanese Pachysandra	3
Persicaria longiseta	Bristled Knotweed	3
Stellaria media	Common Chickweed	3
Amaranthus palmeri	Palmer Amaranth	Watch

Trees		
Scientific Name	Common Name	Rank
Ailanthus altissima	Tree-of-Heaven	1
Aralia elata	Japanese Angelica Tree	1
Acer platanoides	Norway Maple	2
Albizia julibrissin	Mimosa	2
Alnus glutinosa	European Black Alder	2
Paulownia tomentosa	Empress Tree	2
Phellodendron amurense	Amur Corktree	2
Phellodendron japonicum	Japanese Corktree	2
Phellodendron lavalleyi	Lavella Corktree	2
Pyrus calleryana	Callery Pear	2
Tetradium daniellii	Bee-Bee Tree	2
Broussonetia papyrifera	Paper Mulberry	3
Morus alba	White Mulberry	3
Acer ginnala	Amur Maple	Watch
Acer palmatum	Japanese Maple	Watch
Koelreuteria paniculata	Golden Rain-Tree	Watch
Quercus acutissima	Sawtooth Oak	Watch
Ulmus pumila	Siberian Elm	Watch

Grasses		
Scientific Name	Common Name	Rank
Microstegium vimineum	Japanese Stiltgrass	1
Oplismenus hirtellus	Wavyleaf Basketgrass	1
Phragmites australis ssp australis	Common Reed	1
Trapa natans	European Water Chestnut	1
Arthraxon hispidus	Small carpetgrass	2

CAERNARVON CODE

Grasses		
Scientific Name	Common Name	Rank
<i>Phalaris arundinacea</i>	Reed Canary Grass	2
<i>Phyllostachys aurea</i>	Golden Bamboo	2
<i>Phyllostachys aureosulcata</i>	Yellow Groove Bamboo	2
<i>Phyllostachys bambusoides</i>	Giant Timber Bamboo	2
<i>Poa trivialis</i>	Rough Bluegrass	2
<i>Bromus japonicus</i>	Japanese brome	3
<i>Bromus sterilis</i>	Poverty Brome	3
<i>Bromus tectorum</i>	Cheatgrass	3
<i>Holcus lanatus</i>	Velvetgrass	3
<i>Miscanthus sinensis</i>	Chinese Silvergrass	3
<i>Schedonorus arundinaceus</i>	Tall Fescue	3
<i>Sorghum bicolor</i> ssp. <i>x. drummondii</i>	Shattercane	3
<i>Sorghum halepense</i>	Johnson Grass	Watch
<i>Arundo donax</i>	Giant Reed	Watch
<i>Imperata cylindrica</i>	Cogon Grass	Watch
<i>Tripsidium ravennae</i>	Ravenna Grass	Watch

Shrubs		
Scientific Name	Common Name	Rank
<i>Berberis thunbergii</i>	Japanese Barberry	1
<i>Berberis vulgaris</i>	European Barberry	1
<i>Frangula alnus</i>	Glossy Buckthorn	1
<i>Lonicera fragrantissima</i>	Sweet Breath Honeysuckle	1
<i>Lonicera maackii</i>	Amur Honeysuckle	1
<i>Lonicera morrowii</i>	Morrow's Honeysuckle	1
<i>Lonicera morrowii</i> x <i>bella</i>	Beautiful Honeysuckle	1
<i>Lonicera standishii</i>	Standish Honeysuckle	1
<i>Lonicera tatarica</i>	Tartarian Honeysuckle	1
<i>Rhamnus cathartica</i>	Common Buckthorn	1
<i>Rhodotypos scandens</i>	Jetbead	1
<i>Rosa multiflora</i>	Multiflora Rose	1
<i>Spiraea japonica</i>	Japanese Spiraea	1
<i>Buddleja davidii</i>	Butterfly Bush	2
<i>Elaeagnus angustifolia</i>	Russian Olive	2
<i>Elaeagnus umbellata</i>	Autumn Olive	2
<i>Euonymus alatus</i>	Winged Euonymus	2
<i>Ligustrum japonicum</i>	Japanese Privet	2
<i>Ligustrum obtusifolium</i>	Border Privet	2
<i>Ligustrum sinense</i>	Chinese Privet	2
<i>Ligustrum vulgare</i>	Common Privet	2
<i>Viburnum dilatatum</i>	Linden Viburnum	2
<i>Viburnum plicatum</i>	Doublefile Viburnum	2
<i>Viburnum sieboldii</i>	Siebold Viburnum	2
<i>Viburnum opulus</i>	Guelder Rose	3

ZONING

Aquatic		
Scientific Name	Common Name	Rank
Hydrilla verticillata	Hydrilla	1
Myriophyllum aquaticum	Parrot feather watermilfoil	1
Myriophyllum spicatum	Eurasian Watermilfoil	1
Potamogeton crispus	Curly Pondweed	1
Typha angustifolia	Narrow-Leaved Cattail	1
Typha x glauca	Hybrid Cattail	1
Cabomba caroliniana	Carolina Fanwort	3
Egeria densa	Brazilian Water-Weed	3
Najas minor	Brittle Waternymph	3
Nitellopsis obtusa	Starry Stonewort	3
Hydrocharis morsus-ranae	Common Frogbit	Watch
Ludwigia grandiflora ssp. Hexapetala	Large Flower Primrose Willow High	Watch
Nymphoides peltata	Yellow Floatingheart	Watch