

List of Rare, Threatened, and Endangered Species of Charles County

November 2021



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Boyd Rutherford, Lt. Governor
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Wildlife & Heritage Service

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ACKNOWLEDGMENTS

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Publication of this list is made possible by taxpayer donations to Maryland's Chesapeake Bay and Endangered Species Fund.

IMPORTANT NOTES

This list is a subset of the main reports:

Maryland Natural Heritage Program. 2021. List of Rare, Threatened, and Endangered Plants of Maryland DNR 03-030321-271 and

Maryland Natural Heritage Program. 2021. Rare, Threatened, and Endangered Plants of Maryland DNR 03-030321-270 and

Maryland Natural Heritage Program. 2021. List of Rare, Threatened, and Endangered Animals of Maryland DNR 03- 111921-291

Please refer to these for important information including grant, history, purpose, governing laws and regulations, understanding state and federal conservation status ranks and legal statuses, and for additional resources.

This list is derived from an extensive data collection effort and numerous field surveys to determine distribution and abundance of plants and animals native to Maryland. Although based on a large volume of information, this list should not be viewed as complete or definitive. While much is known about some species, very little is known about others. The Maryland Natural Heritage Program welcomes additional information or recommendations regarding any of the taxa listed herein.

HOW YOU CAN HELP

You can take an active part in conserving Maryland's rare species by contacting the Wildlife and Heritage Service with the following types of information:

1. Location details should be included (exact mapped location using GPS is preferred, but not required). Online applications such as Google Earth are invaluable but precise, written directions including driving and walking are acceptable.
2. Documentation that includes a photograph, description of the species, identification source, and habitat description should accompany the report.
3. Information on the ecology and or biology of the species including observed and/or identified pollinators should accompany the report.

**Additional information, including a downloadable PDF of our rare plant reporting form can be found at: dnr.maryland.gov/wildlife/Pages/plants_wildlife/rte_reportinginst.aspx

Definitions of qualifiers used in the county distribution of species.

Distributional Qualifier	Definition
{species} [?]	Record for the county is reported but unverified or may indicate that the record occurs outside of the known range or in atypical habitat.
{species} ^h	Record for the county is based upon a historical collection but no extant population is known.
{species} ^l	Record for the county is the result of an introduction.

SCIENTIFIC NAME	COMMON NAME	STATE RANK	STATE STATUS	FEDERAL STATUS
Animals				
<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	S1	E	LE
<i>Ambystoma tigrinum</i>	Eastern Tiger Salamander	S1	E	
<i>Atlides halesus</i>	Great Purple Hairstreak	S2S3		
<i>Botaurus lentiginosus</i>	American Bittern	S1B	T	
<i>Callophrys irus</i>	Frosted Elfin	S1	E	
<i>Centrarchus macropterus</i>	Flier	S2S3	I	
<i>Cicindela splendida</i>	Splendid Tiger Beetle	S1		
<i>Cordulegaster bilineata</i>	Brown Spiketail	S3		
<i>Cordulegaster erronea</i>	Tiger Spiketail	S3		
<i>Cordulegaster obliqua</i>	Arrowhead Spiketail	S2		
<i>Cordulegaster obliqua fasciata</i>	Banded Spiketail	S1		
<i>Enneacanthus obesus</i>	Banded Sunfish	S3S4		
<i>Epitheca spinosa</i>	Robust Baskettail	S1S2		
<i>Erythrodiplax minuscula</i>	Little Blue Dragonlet	S1		
<i>Etheostoma fusiforme</i>	Swamp Darter	S3		
<i>Farancia erythrogramma</i>	Rainbow Snake	S1	E	
	Eastern Narrow-mouthed			
<i>Gastrophryne carolinensis</i>	Toad	S2S3	E	
<i>Haliaeetus leucocephalus</i>	Bald Eagle	S3S4		
<i>Helocordulia selysii</i>	Selys' Sundragon	S2	T	
<i>Hermeuptychia sosybius</i>	Carolina Satyr	S1S3		
<i>Ixobrychus exilis</i>	Least Bittern	S2S3B	I	
<i>Lampsilis cariosa</i>	Yellow Lampmussel	SU		
<i>Leptodea ochracea</i>	Tidewater Mucket	S1S2		
<i>Libellula flavida</i>	Yellow-sided Skimmer	S2S3		
<i>Lithobates virgatipes</i>	Carpenter Frog	S3		
<i>Lophodytes cucullatus</i>	Hooded Merganser	S3B		
<i>Nehalennia gracilis</i>	Sphagnum Sprite	S2		
<i>Notropis chalybaeus</i>	Ironcolor Shiner	S1	E	
<i>Percina bimaculata</i>	Chesapeake Logperch	S1S2	T	
<i>Somatochlora filosa</i>	Fine-lined Emerald	S2		
<i>Somatochlora provocans</i>	Treetop Emerald	S1	E	
<i>Sorex longirostris</i>	Southeastern Shrew	S3S4		
<i>Stenogomphurus rogersi</i>	Sable Clubtail	S2	I	
<i>Stygobromus indentatus</i>	Tidewater Amphipod	S1		
<i>Tachopteryx thoreyi</i>	Gray Petaltail	S3		
<i>Vertigo ventricosa</i>	Five-tooth Vertigo	SU		
Plants				
<i>Aeschynomene virginica</i>	Sensitive Joint-vetch	S1	E	LT
<i>Agalinis obtusifolia</i> ?	Ten-lobed False Foxglove	SH	X	
<i>Agalinis setacea</i>	Thread-leaved Gerardia	S2	E	
<i>Agalinis skinneriana</i>	Pale False Foxglove	S1	E	
<i>Agrimonia microcarpa</i>	Small-fruited Agrimony	S1?		

SCIENTIFIC NAME	COMMON NAME	STATE RANK	STATE STATUS	FEDERAL STATUS
<i>Amianthium muscitoxicum</i>	Fly-poison	S2		
<i>Ammannia latifolia</i> ^h	Koehne Ammannia	S2		
<i>Antennaria solitaria</i>	Single-head Pussytoes	S2	T	
<i>Arnica acaulis</i>	Leopard's-bane	S1		
<i>Arundinaria tecta</i>	Switch Cane	S2		
<i>Asclepias verticillata</i> ^h	Whorled Milkweed	S3		
<i>Bartonia paniculate</i>	Twining Screwstem	S3		
<i>Bidens trichosperma</i>	Tickseed Sunflower	S3S4		
<i>Calopogon tuberosus</i>	Tuberous Grass-pink	S1	E	
<i>Cardamine longyi</i>	Long's Bittercress	S2	E	
<i>Carex albursina</i>	White Bear Sedge	S3		
<i>Carex gigantea</i>	Giant Sedge	S3		
<i>Carex hirtifolia</i>	Pubescent Sedge	S3		
<i>Carex hitchcockiana</i>	Hitchcock's Sedge	S1	E	
<i>Carex jorii</i>	Joor's Sedge	S3		
<i>Carex lacustris</i>	Lake-bank Sedge	S2		
<i>Carex louisianica</i>	Louisiana Sedge	S3		
<i>Carex lupuliformis</i>	False Hop Sedge	S2		
<i>Carex planispicata</i>	Flat-spiked Sedge	S1S2		
<i>Carex shortiana</i>	Short's Sedge	S3S4		
<i>Carex sparganioides</i>	Bur-reed Sedge	S3		
<i>Carex venusta</i>	Dark Green Sedge	S3S4		
<i>Castanea dentata</i>	American Chestnut	S2S3		
<i>Centrosema virginianum</i> ^h	Coastal Butterfly Pea	S2		
<i>Centunculus minima</i> ^h	Chaffweed	SU	X	
<i>Chimaphila umbellata</i>	Common Wintergreen	S3		
<i>Commelina erecta</i>	Erect Dayflower	S3		
<i>Coreopsis verticillata</i>	Whorled Coreopsis	S3		
<i>Crassula aquatica</i>	Water Pygmyweed	S1	E	
<i>Cyperus lancastricensis</i>	Many-flowered Umbrella-sedge	SU		
<i>Cyperus refractus</i>	Reflexed Flatsedge	S2?		
<i>Desmodium lineatum</i> ^h	Sand Tick-trefoil, Lined Tick-trefoil	SH	X	
<i>Dichantherium leucothrix</i>	Roughish Witchgrass	SU		
<i>Dichantherium oligosanthes</i> var. <i>oligosanthes</i>	Few-flowered Witchgrass	S2S3		
<i>Diphasiastrum tristachyum</i>	Deep-root Clubmoss	S3		
<i>Drosera rotundifolia</i>	Roundleaf Sundew	S3		
<i>Eleocharis albida</i> ^h	White Spikerush	S2S3		
<i>Eleocharis tortilis</i>	Twisted Spikerush	S3		
<i>Epilobium ciliatum</i>	Hairy Willowherb	S3S4		
<i>Erigenia bulbosa</i>	Harbinger-of-spring	S3		
<i>Eriocaulon parkeri</i> ^h	Parker's Pipewort	S2	T	
<i>Festuca paradoxa</i>	Cluster Fescue	S1?		
<i>Galactia volubilis</i> ^h	Downy Milkpea	S3		

SCIENTIFIC NAME	COMMON NAME	STATE RANK	STATE STATUS	FEDERAL STATUS
<i>Gentiana andrewsii</i> ^h	Fringe-top Bottle Gentian	S2	T	
<i>Gentiana villosa</i> ^h	Striped Gentian	S1	E	
<i>Gonolobus suberosus</i> var. <i>suberosus</i>	Angular-fruit Milkvine	S2		
<i>Hexastylis virginica</i>	Virginia Heartleaf	S1	E	
<i>Hibiscus laevis</i>	Halberd-leaf Rosemallow	S3		
<i>Homalosorus pycnocarpus</i>	Glade Fern	S2	T	
<i>Hottonia inflata</i>	Featherfoil	S1	E	
<i>Hypericum gymnanthum</i>	Clasping-leaf St. John's-wort	S3		
<i>Ilex decidua</i>	Deciduous Holly	S2		
<i>Iris verna</i>	Dwarf Iris	S1	E	
<i>Iris virginica</i>	Virginia Blueflag	S3		
<i>Juglans cinerea</i>	Butternut	S2S3		
<i>Juncus caesariensis</i>	New Jersey Rush	S1	E	
<i>Juncus longii</i>	Long's Rush	S1	E	
<i>Kalmia angustifolia</i>	Sheep Laurel	S3S4		
<i>Krigia dandelion</i>	Potato Dwarf-dandelion	S2S3		
<i>Lechea tenuifolia</i> ^h	Slender Pinweed	SH	X	
<i>Lespedeza stuevei</i> ^h	Silky Lespedeza	S3		
<i>Liatris squarrosa</i>	Scaly Gayfeather	S1	E	
<i>Limnobium spongia</i>	American Frog's-bit	S1	E	
<i>Linum intercursum</i>	Sandplain Flax	S2	T	
<i>Liparis liliifolia</i> ^h	Large Twayblade	S3		
<i>Ludwigia decurrens</i>	Primrose-willow	S2S3		
<i>Lupinus perennis</i>	Sundial Lupine	S2	T	
<i>Lygodium palmatum</i>	Climbing Fern	S2	T	
<i>Lysimachia lanceolata</i>	Lanceleaf Loosestrife	S3		
<i>Magnolia tripetala</i>	Umbrella Magnolia	S3		
<i>Malaxis unifolia</i>	Green Adder's-mouth Orchid	S2		
<i>Matelea carolinensis</i>	Carolina Anglepod	S2S3	T	
<i>Mecardonia acuminata</i>	Purple Mecardonia	S2	E	
<i>Melica mutica</i>	Narrow Melicgrass	S3		
<i>Myosotis macrosperma</i>	Large-seed Forget-me-not	S3S4		
<i>Myosotis verna</i>	Spring Forget-me-not	S3		
<i>Myriophyllum heterophyllum</i> ^h	Broadleaf Water-milfoil	S1		
<i>Nemophila aphylla</i>	Small-flower Baby-blue-eyes	S2		
<i>Oldenlandia uniflora</i>	Clustered Bluets	S3		
<i>Orbexilum psoralioides</i> [?]	False Scurfpea	SX		
<i>Orthilia secunda</i> ^h	One-side Wintergreen	SH	X	
<i>Oxydendrum arboreum</i>	Sourwood	S1	E	
<i>Panax quinquefolius</i> ^h	American Ginseng	S2S3		
<i>Panicum philadelphicum</i> ^h	Philadelphia Panicgrass	SU		
<i>Parnassia asarifolia</i>	Kidneyleaf Grass-of-parnassus	S1	E	
<i>Paspalum fluitans</i>	Horse-tail Paspalum	S2	T	

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<i>Penstemon laevigatus</i>	Smooth Beardtongue	SU		
<i>Persicaria robustior</i> ^h	Stout Smartweed	SU		
<i>Persicaria setacea</i>	Swamp Smartweed	SU		
<i>Platanthera blephariglottis</i> var. <i>blephariglottis</i> ^h	White Fringed Orchid	S2	T	
<i>Platanthera flava</i>	Pale Green Orchid	S2S3		
<i>Pluchea camphorata</i>	Marsh Fleabane	S2	PT	
<i>Pogonia ophioglossoides</i>	Rose Pogonia	S3		
<i>Polygala incarnata</i>	Pink Milkwort	S2S3		
<i>Polygala polygama</i>	Racemed Milkwort	S1	T	
<i>Potamogeton perfoliatus</i>	Claspingleaf Pondweed	S3		
<i>Potamogeton pusillus</i>	Slender Pondweed	S2S4		
<i>Ptelea trifoliata</i>	Common Hoptree	S3		
<i>Quercus shumardii</i>	Shumard Oak	S2	T	
<i>Ranunculus ambigens</i>	Water-plantain Spearwort	S1		
<i>Ranunculus carolinianus</i> [?]	Carolina Buttercup	S1?		
<i>Ranunculus hederaceus</i> ^h	Long-stalked Crowfoot	S1	E	
<i>Ranunculus pusillus</i> ^h	Pursh's Buttercup	SU		
<i>Rhynchospora alba</i>	White Beakrush	S3		
<i>Rumex altissimus</i> ^h	Tall Dock	S1	E	
<i>Saccharum contortum</i>	Bent-awn Plume Grass	S3S4		
<i>Sacciolepis striata</i>	Gibbous Panic-grass	S1	E	
<i>Sagittaria engelmanniana</i>	Engelmann's Arrowhead	S2	T	
<i>Sagittaria graminea</i>	Grassleaf Arrowhead	SU		
<i>Sagittaria spatulata</i>	Spongy Arrowhead	S2		
<i>Sagittaria subulata</i> ^h	Strap-leaf Arrowhead	SU		
<i>Salix exigua</i> [?]	Narrowleaf Willow	S1	E	
<i>Salix occidentalis</i> ^h	Dwarf Prairie Willow	S2		
<i>Sarracenia purpurea</i>	Northern Pitcherplant	S2	T	
<i>Scleria muehlenbergii</i>	Muhlenberg's Nutrush	S1S2		
<i>Scutellaria nervosa</i>	Veined Skullcap	S1S2	T	
<i>Smilax bona-nox</i> [?]	Saw Greenbrier	S3		
<i>Smilax pseudochina</i>	Long-stalk Greenbrier	S2	T	
<i>Solidago uliginosa</i>	Bog Goldenrod	S3		
<i>Sparganium androcladum</i>	Branching Bur-reed	SU		
<i>Sparganium eurycarpum</i>	Giant Bur-reed	S3		
<i>Symphotrichum concolor</i> ^h	Eastern Silvery Aster	S1	E	
<i>Thelypteris simulata</i>	Bog Fern	S2	T	
<i>Utricularia inflata</i>	Swollen Bladderwort	S2		
<i>Utricularia subulata</i>	Zigzag Bladderwort	S3		