
APPENDIX H. RARE, THREATENED, AND ENDANGERED SPECIES (PNDI)

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Bats						
<i>Myotis septentrionalis</i>	northern myotis	PA	not ranked	recommended	G4/S3BS3N	Neshannock Creek/Big Run
Birds						
<i>Ardea herodias</i>	great blue heron	PA	not ranked	not ranked	G5/S3S4B,S4N	Middle Shenango River
<i>Chlidonias niger</i>	black tern	PA	not ranked	endangered	G4/S1B	Upper Shenango River
<i>Cistothorus platensis</i>	sedge wren	OH	not ranked	not ranked	G5/ S2	
<i>Cistothorus palustris</i>	marsh wren	PA	not ranked	candidate rare	G5/S3S3B	Neshannock Creek/Big Run
<i>Haliaeetus leucocephalus</i>	bald eagle	PA, OH	threatened, proposed delisting	PA endangered; OH threatened	G4/S2B	Upper Shenango River, Middle Shenango River
<i>Ixobrychus exilis</i>	least bittern	PA	not ranked	endangered	G5/S1B	Neshannock Creek/Big Run
<i>Porzana carolina</i>	sora	OH	not ranked	not ranked	G5/S3	Middle Shenango River
<i>Protonotaria citrea</i>	prothonotary warbler	PA	not ranked	not ranked	G5/S2S3B	Upper Shenango River
<i>Rallus elegans</i>	king rail	PA	not ranked	endangered	G4G5/S1B	Neshannock Creek/Big Run
<i>Rallus limicola</i>	Virginia rail	PA	not ranked	not ranked	G5/S3B	Neshannock Creek/Big Run
<i>Sphyrapicus varius</i>	yellow-bellied sapsucker	OH	not ranked	endangered	G5/S1	Upper Shenango River
Communities						
<i>Alnus rugosa-cornus amomum</i>	speckled alder-silky dogwood	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>A. rubrum-t. canadensis-b. alleghaniensis</i>	red maple-eastern hemlock-yellow birch	PA	not ranked	not ranked	GNR/GNR	Upper Shenango River
<i>A. saccharum-f. grandifolia-b. alleghaniensis</i>	sugar maple-American beech-yellow birch	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>broadleaf-conifer swamp</i>	broadleaf-conifer swamp	PA	not ranked	not ranked	GNR/S3S4	Upper Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Communities (continued)						
<i>Carex spp. colony</i>	sedge colony	PA	not ranked	not ranked	GNR/SNR	Neshannock Creek/Big Run
<i>Hillside graminoid-forb fen</i>	hillside graminoid-forb fen	PA	not ranked	not ranked	GNR/S1	Neshannock Creek/Big Run
<i>mixed emergent marsh</i>	mixed emergent marsh	OH	not ranked	not ranked	G4/SNR	Middle Shenango River
<i>mollusk bed</i>	mollusk bed	OH	not ranked	not ranked	GNR/SNR	Middle Shenango River
<i>Northern hardwood forest</i>	northern hardwood forest	PA	not ranked	not ranked	GNR/S3S4	Neshannock Creek/Big Run
<i>Oligotrophic glacial kettlehole bog</i>	glacial bog	PA	not ranked	not ranked	GNR/S3	Middle Shenango River
<i>Pinus strobus-larix laricina</i>	white pine-american larch forest	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>Pinus strobus-larix laricina-mixed shrub</i>	white pine-larch-mixed shrub community	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>Pinus strobus-tsuga canadensis (hydric)</i>	white pine-eastern hemlock	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>Robust emergent marsh</i>	robust emergent marsh	PA	not ranked	not ranked	GNR/S2	Neshannock Creek/Big Run
<i>Sedum telephioides</i>	Allegheny stonecrop	PA	not ranked	PA rare	G4/S3	Neshannock Creek/Big Run
<i>Symplocarpus foetidus-onoclea sensibilis</i>	skunk cabbage-sensitive fern colonies	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>T. canadensis hardwood swamp</i>	hemlock hardwood swamp	OH	not ranked	not ranked	G5/SNR	Upper Shenango River
<i>Typha angustifolia</i>	narrow-leaved cattail colony	PA	not ranked	not ranked	GNR/SNR	Upper Shenango River
<i>Weakly minerotrophic lakeside bog</i>	weakly minerotrophic lakeside bog	PA	not ranked	not ranked	GNR/S2	Neshannock Creek/Big Run

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Fish						
<i>Culea inconstans</i>	brook stickleback	PA	not ranked	candidate	G5/S3	Neshannock Creek/Big Run, Middle Shenango River
<i>Ichthyomyzon greeleyi</i>	mountain brook lamprey	PA	not ranked	threatened	G3G4/S2	Neshannock Creek/Big Run
<i>Labidesthes sicculus</i>	brook silverside	PA	not ranked	candidate	G5/S3	Middle Shenango River
<i>Lepomis gulosus</i>	warmouth	PA	not ranked	endangered	G5/S1S2	Upper Shenango River, Middle Shenango River, Neshannock Creek/Big Run
<i>Lythrurus umbratilis</i>	redfin shiner	PA	not ranked	endangered	G5/S2	Neshannock Creek/Big Run
<i>Minytrema melanops</i>	spotted sucker	PA	not ranked	threatened	G5/S2	Upper Shenango River
<i>Moxostoma carinatum</i>	river redhorse	PA	not ranked	candidate	G4/S3	Middle Shenango River
<i>Nocomis biguttatus</i>	hornyhead chub	PA	not ranked	candidate	G5/S2	Neshannock Creek/Big Run, Middle Shenango River
<i>Noturus miurus</i>	brindled madtom	PA	not ranked	threatened	G5/S2	Middle Shenango River
<i>Phoxinus erythrogaster</i>	southern redbelly dace	PA	not ranked	threatened	G5/S2S3	Neshannock Creek/Big Run, Upper Shenango River
<i>Umbra limi</i>	central mudminnow	PA	not ranked	candidate	G5/S3	Upper Shenango River, Middle Shenango River
Mammals						
<i>Mustela erminea</i>	ermine	OH	not ranked	not ranked	G5/S2	Upper Shenango River
Mussels						
<i>Amblema plicata</i>	three-ridge	PA	not ranked	not ranked	G5/S3S3	Middle Shenango River
<i>Epioblasma torulosa rangiana</i>	northern riffleshell	PA	endangered	endangered	G2T2/S2	Middle Shenango River
<i>Epioblasma triquetra</i>	snuffbox	PA	not ranked	recommended endangered	G3/S1	Lower Shenango River, Middle Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Mussels (continued)						
<i>Fusconaia subrotunda</i>	long-solid	PA	not ranked	recommended endangered	G3/S1	Lower Shenango River, Middle Shenango River
<i>Lasmigona compressa</i>	creek heelsplitter	PA	not ranked	candidate	G5/S2S3	Middle Shenango River
<i>Obovaria subrotunda</i>	round hickorynut	PA	not ranked	recommended endangered	G4/S1	Lower Shenango River, Middle Shenango River
<i>Pleurobema clava</i>	clubshell	PA	endangered, some experimental populations	endangered	G2/S1S2	Middle Shenango River
<i>Pleurobema sintoxia</i>	round pigtoe	PA	not ranked	recommended threatened	G4/S2	Middle Shenango River
<i>Quadrula cylindrica</i>	rabbitsfoot	PA	threatened or endangered in some of its range	recommended endangered	G3/S1	Middle Shenango River
<i>Tritogonia verrucosa</i>	pistolgrip mussel	PA	not ranked	recommended endangered	G4/S1	Lower Shenango River, Middle Shenango River

Odonates (dragonflies,damselflies)

<i>Somatochlora walshii</i>	brush-tipped emerald	OH	not ranked	endangered	G5/S1S2	Middle Shenango River
-----------------------------	----------------------	----	------------	------------	---------	-----------------------

Plants

<i>Alisma triviale</i>	broad-leaved water-plantain	PA	not ranked	endangered	G5/S1	Neshannock Creek/Big Run
<i>Alopecurus aequalis</i>	short-awn foxtail	PA	not ranked	none but vulnerable	G5/S3	Neshannock Creek/Big Run
<i>Betula populifolia</i>	gray birch	OH	not ranked	potentially threatened	G5/S3	Middle Shenango River
<i>Bidens discoidea</i>	small beggar-ticks	PA	not ranked	not ranked	G5/G3	Upper Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
<i>Botrychium multifidum</i>	leathery grape fern	OH	not ranked	threatened	G5/S1	Upper Shenango River
<i>Camassia scilloides</i>	wild hyacinth	PA	not ranked	threatened, recommended endangered	G4G5/S1	Neshannock Creek/Big Run
<i>Carex albolutescens</i>	pale sedge straw	OH	not ranked	threatened	G5/S1	Lower Shenango River
<i>Carex alata</i>	broad-winged sedge	PA	not ranked	threatened	G5/S2	Neshannock Creek/Big Run, Upper Shenango River
<i>Carex bebbii</i>	bebb's sedge	PA	not ranked	threatened	G5/S1	Upper Shenango River
<i>Carex buxbaumii</i>	brown sedge	PA	not ranked	undetermined; recommended rare	G5/S3	Neshannock Creek/Big Run
<i>Carex diandra</i>	lesser panicled sedge	PA	not ranked	threatened	G5/S2	Upper Shenango River
<i>Carex disperma</i>	soft-leaved sedge	PA	not ranked	rare	G5/S3	Neshannock Creek/Big Run, Upper Shenango River
<i>Carex flava</i>	yellow sedge	OH	not ranked	potentially threatened	G5/S2	Middle Shenango River
<i>Carex louisianica</i>	louisiana sedge	OH	not ranked	endangered	G5/SH	Upper Shenango River
<i>Carex mitchelliana</i>	Mitchell's sedge	PA	not ranked	endangered	G3G4/S1	Upper Shenango River
<i>Carex oligosperma</i>	few-seeded sedge	PA	not ranked	threatened	G4/S2	Middle Shenango River
<i>Carex pallescens</i>	pale sedge	OH	not ranked	potentially threatened	G5/S2	Upper Shenango River
<i>Carex prairea</i>	prairie sedge	PA	not ranked	threatened	G5/S2	Neshannock Creek/Big Run, Upper Shenango River
<i>Carex projecta</i>	necklace sedge	OH	not ranked	threatened	G5/S2	Upper Shenango River
<i>Carex pseudocyperus</i>	cyperus-like sedge	PA	not ranked	endangered	G5/S1	Upper Shenango River
<i>Carex sterilis</i>	sterile sedge	PA	not ranked	threatened, recommended endangered	G4/S1	Neshannock Creek/Big Run

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Plants (continued)						
<i>Carex tetanica</i>	a sedge	PA	not ranked	threatened	G4G5/S2	Neshannock Creek/Big Run
<i>Chenopodium capitatum</i>	strawberry goosefoot	PA	not ranked	undetermined	G5/SH	Upper Shenango River
<i>Clintonia umbellulata</i>	speckled wood-lily	OH	not ranked	threatened	G5/S2	Lower Shenango River
<i>Cornus canadensis</i>	bunchberry	OH	not ranked	threatened	G5/S2	Upper Shenango River
<i>Cuscuta cephalanthi</i>	button-bush dodder	PA	not ranked	tentatively undetermined	G5/SU	Lower Shenango River
<i>Cypripedium calceolus var. parviflorum</i>	small yellow lady's slipper	PA	not ranked	endangered	G5/S1	Upper Shenango River
<i>Cypripedium reginae</i>	showy lady's slipper	PA	not ranked	threatened	G4/S2	Upper Shenango River
<i>Dryopteris Clintoniana</i>	Clinton's wood fern	OH	not ranked	endangered	G5/S1	Upper Shenango River
<i>Eleocharis elliptica</i>	slender spike-rush	PA	not ranked	endangered	G5/S2	Neshannock Creek/Big Run
<i>Eleocharis intermedia</i>	matted spike-rush	PA	not ranked	threatened	G5/S2	Neshannock Creek/Big Run
<i>Eleocharis rostellata</i>	beaked spike-rush	PA	not ranked	endangered	G5/S1	Neshannock Creek/Big Run
<i>Epilobium strictum</i>	downy willow-herb	PA	not ranked	endangered	G5/S3	Upper Shenango River
<i>Equisetum sylvaticum</i>	woodland horsetail	OH	not ranked	threatened	G5/S2	Upper Shenango River, Middle Shenango River
<i>Eriophorum viridicarinaratum</i>	green cotton-grass	OH	not ranked	potentially threatened	G5/S2	Upper Shenango River
<i>Geum rivale</i>	water avens	OH	not ranked	potentially threatened	G5/G3	Middle Shenango River
<i>Helianthus microcephalus</i>	small wood sunflower	PA	not ranked	not ranked	G5/S3	Middle Shenango River
<i>Hierochloe hirta ssp. arctica</i>	common northern sweet grass	PA	not ranked	recommended endangered	G5T5/S1	Neshannock Creek/Big Run
<i>Hypericum majus</i>	tall St. John's wort	OH	not ranked	potentially threatened	G5/ S3	Upper Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Plants (continued)						
<i>Isoetes engelmannii</i>	Appalachian quilwort	OH	not ranked	endangered	G4/S1	Middle Shenango River
<i>Juncus torreyi</i>	Torrey's rush	PA	not ranked	threatened, recommended endangered	G5/S2	Neshannock Creek/Big Run
<i>Lemna perpusilla</i>	minute duckweed	PA	not ranked	undetermined	G5/SU	Neshannock Creek/Big Run
<i>Lemna turionifera</i>	a duckweed	PA	not ranked	undetermined	G5/SU	Neshannock Creek/Big Run
<i>Lonicera oblongifolia</i>	swamp fly honeysuckle	PA	not ranked	endangered	G34/S1	Upper Shenango River
<i>Malaxis monophyllos var. brachypoda</i>	white adder's-mouth	PA	not ranked	undetermined	G4Q/S1	Upper Shenango River
<i>Myriophyllum sibiricum</i>	American water-milfoil	OH	not ranked	threatened	G5/S2	Upper Shenango River
<i>myriophyllum verticillatum</i>	whorled water-milfoil	PA	not ranked	endangered	G5/S1	Upper Shenango River
<i>Nelumbo lutea</i>	American lotus	PA	not ranked	endangered	G4/S1	Upper Shenango River
<i>Oxalis montana</i>	white wood sorrel	OH	not ranked	endangered	G5/S1	Upper Shenango River
<i>Oxypolis rigidior</i>	stiff cowbane	PA	not ranked	recommended threatened	G5/S2	Neshannock Creek/Big Run
<i>Parnassia glauca</i>	Carolina grass-of-parnassus	PA	not ranked	endangered	G5/S2	Neshannock Creek/Big Run
<i>Pedicularis lanceolata</i>	swamp lousewort	PA	not ranked	not ranked	G5/S1S2	Neshannock Creek/Big Run, Upper Shenango River
<i>Poa paludigena</i>	bog bluegrass	PA	not ranked	threatened	G3/S3	Neshannock Creek/Big Run, Upper Shenango River
<i>Polygonum setaceum var. interjectum</i>	a swamp smartweed	PA	not ranked	endangered	G5T4/S2	Upper Shenango River
<i>Potamogeton zosteriformis</i>	flat-stem pondweed	PA	not ranked	rare	G5/S2S3	Upper Shenango River
<i>Ranunculus aquatilis var. diffusus</i>	white water-crowfoot	PA	not ranked	rare	G5T5/S3	Upper Shenango River, Middle Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
<i>Ranunculus flabellaris</i>	yellow water-crowfoot	PA	not ranked	not ranked	G5/S2	Middle Shenango River
<i>Rhododendron nudiflorum</i> <i>var. roseum</i>	northern rose azalea	OH	not ranked	potentially threatened	G5/S3	Middle Shenango River
<i>Rhynchospora alba</i>	white beak-rush	OH	not ranked	potentially threatened	G5/S2	Upper Shenango River
<i>Ribes triste</i>	red currant	PA	not ranked	threatened	G5/S2	Upper Shenango River
<i>Salix serissima</i>	autumn willow	PA	not ranked	threatened	G4/S2	Neshannock Creek/Big Run, Upper Shenango River
<i>Solidago purshii</i>	Pursh's golden-rod	PA	not ranked	undetermined	G5/SH	Neshannock Creek/Big Run
<i>Sphenopholis pennsylvanica</i>	swamp-oats	OH	not ranked	potentially threatened	G4/S2	Upper Shenango River
<i>Streptopus roseus</i>	rose-twisted stalk	OH	not ranked	endangered	G5T4/?	Upper Shenango River
<i>Swertia caroliniensis</i>	American columbo	PA	not ranked	threatened	G5/S1	Neshannock Creek/Big Run
<i>Symphyotrichum firmum</i>	firm aster	PA	not ranked	recommended threatened	G5/S2	Neshannock Creek/Big Run, Upper Shenango River
<i>Trillium undulatum</i>	painted trillium	OH	not ranked	endangered	G5/S2	Upper Shenango River
<i>Viburnum alnifolium</i>	hobblebush	OH	not ranked	potentially threatened	G5/SNR	
<i>Viburnum trilobum</i>	highbush-cranberry	PA	not ranked	undetermined	G5T5/S3S4	Neshannock Creek/Big Run, Upper Shenango River
<i>Woodwardia areolata</i>	netted chainfern	PA	not ranked	not ranked	G5/S2	Middle Shenango River
<i>Potamogeton hillii</i>	hill's pondweed	OH	not ranked	endangered	G3/S1	Middle Shenango River
<i>Clintonia borealis</i>	bluebead-lily	OH	not ranked	endangered	G5/S1	Middle Shenango River
<i>Viola primulifolia</i>	primrose-leaved violet	OH	not ranked	endangered	G5/S1	Middle Shenango River
<i>Callitriche verna</i>	vernal water-starwort	OH	not ranked	threatened	G5/SNR	Middle Shenango River
<i>Elymus trachycaulus</i>	bearded wheat grass	OH	not ranked	threatened	G5/S1	Middle Shenango River
<i>Viburnum opulus var. americana</i>	highbush cranberry	OH	not ranked	endangered	G5/S2	Middle Shenango River

Scientific Name	Common Name	State	Global Status	State Status	Global/State Rank	Subwatersheds
Plants (continued)						
<i>Spiranthes romanzoffiana</i>	hooded Ladies' tresses	OH	not ranked	threatened	G5/S1	Middle Shenango River
<i>Trollius laxus</i>	spreading globeflower	OH	not ranked	endangered	G4/S1	Middle Shenango River
<i>Platanthera psycodes</i>	small purple fringed orchid	OH	not ranked	endangered	G5/S2	Middle Shenango River
<i>Epilobium strictum</i>	simple willow-herb	OH	not ranked	threatened	G5?/S2	Middle Shenango River
<i>Polygonum setaceum var. interjectum</i>	bristly smartweed	OH	not ranked	endangered	G5/SNR	Middle Shenango River
<i>Wolffiella gladiata</i>	bog-mat	PA	not ranked	rare	G5/S2	

Snakes

<i>Sistrurus catenatus catenatus</i>	eastern massasauga	PA	candidate	endangered	G3G4T3T4/S1S2	Neshannock Creek/Big Run, Upper Shenango River
--------------------------------------	--------------------	----	-----------	------------	---------------	--