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Annotated Checklist of Invertebrate Species Observed at the Gordon Natural Area (West Chester University, PA) 2007-2020. Version II

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Annotated Checklist of Invertebrate Species Observed at the Gordon Natural Area (West Chester University, PA) 2007-2020. Version II

Summary Data

Number of Taxa: 304 Species, in 211 Genera, 134 Families, and 32 Orders.

Description

As with some of the other biotic groups, the research pattern for invertebrates at the GNA might best be described as 'intermittent.' Former WCU professor Win Fairchild and his students conducted research on aquatic invertebrates in Plum Run, both inside and outside of the boundaries of the GNA. To date, the only data from that work that we've been able to obtain are from the 2007 MS thesis of Danielle DiFederico.

Since that time, the only 'directed' invertebrate research at the GNA has been the annual monitoring in Plum Run by the Stroud Water Research Center (SWRC). This research was initiated in 2017 and is ongoing. Additional data come from (the increasingly frequent) observations by GNA staff and from observations on iNaturalist posted by visitors to the GNA.

Status/Threats

IUCN Status: Data are from the IUCN Red List of Threatened Species (IUCN 2020).

The GNA checklist was compared with the Pennsylvania Natural Heritage Species and Natural Features List (PNHP 2020). Of the 458 invertebrate species on the list, three are known to occur in the GNA. The state rankings from the PNHP list have been incorporated into the checklist.

Plants Visited by Insects

Key to colors: Black: the plant species is Native in the Lower 48 States; Red: the plant species is Introduced in the Lower 48 States; Blue: the plant species is Native in some states and Introduced in others.

Data were compiled from the USGS/CPC Pollinator Database and from the following databases on the Illinois Wildflowers website: Bee Database; Beetle Database; Butterfly, Skipper, & Moth Database; Fly Database; True Bug & Others Database; and, Wasp, Ant, & Sawfly Database. Note: A significant portion of the invertebrate data for the GNA was collected in aquatic habitats (i.e., from Plum Run). Hence, particular care should be given when interpreting the roles of taxa known by the genus level, as data from the aforementioned sources may have been compiled for terrestrial representatives of that genus.

Organization

Species are organized into eight 'types': Insects; Springtails; Arthropods; Crustaceans; Gastropods; Flatworms; Worms; and, Ribbon Worms. The checklist is sorted by 'Type', followed by Order, Family, and Scientific Name.

Insects

Order Blattodea

Ectobiidae (2 species)

Parcoblatta virginica (Virginia Wood Cockroach)

Identified By: hisserdude (iNaturalist); First Noted By: A. Rivellini

Year Observed: 2019

Plectoptera Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Order Coleoptera

Carabidae (1 species)

Chlaenius aestivus (Metallic Ground Beetle)

Identified By: C. Haden (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Cerambycidae (5 species)

Megacyllene robiniae (Locust Longhorn Borer Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (6 species: all native): Canada Goldenrod (Solidago altissima); Canada Goldenrod (Solidago canadensis); Flat-top Goldentop (Euthamia graminifolia); Giant Goldenrod (Solidago gigantea); Gray Goldenrod (Solidago nemoralis); Lateflowering Thoroughwort (Eupatorium serotinum)

Neandra brunnea (Pole Borer)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Strangalia luteicornis (Yellow-horned Flower Longhorn Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Tetraopes tetrophthalmus (Red Milkweed Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: native): Swamp Milkweed (Asclepias incarnata)

Typocerus velutinus (Banded Longhorn Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020 Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Cetoniinae (1 species)

Cotinus nitida (June Beetle)

Identified By: N. Ritter; First Noted By: P. Vermeulen

Year Observed: 2019

Chrysomelidae (2 species)

Altica Indet. #1 (Metallic Flea Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Chrysochus auratus (Dogbane Leaf Beetle)

Identified and First Noted By: N. Ritter

Cleridae (1 species)

Enoclerus Indet. #1 (Checkered Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Coccinellidae (3 species)

Coccinella septempunctata (Seven-spot Lady Bug)

Identified and First Noted By: N. Ritter

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Harmonia axyridis (Asian Lady Beetle)

Identified By: N. Ritter; First Noted By: P. Vermeulen

Year Observed: 2019 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Hippodamia variegata (Variegated Lady Beetle)

Identified By: N. Ritter (from photo); First Noted By: W. Ricci

Year Observed: 2013

Curculionidae (2 species)

Larinus Indet. #1 (Thistle Weevil)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Rhinoncomimus latipes (Mile-a-minute Weevil)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2009; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Elmidae (8 species)

Elmidae Indet. #1 (Riffle Beetle)

Identified By: Original Website; First Noted By: Not Known

Year Observed: 2013

Elmidae Indet. #2

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Optioservus Indet. #1 (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Optioservus ovalis (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Optioservus/Oulimnius Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Oulimnius latiusculus (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Stenelmis Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Stenelmis crenata (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Endomychidae (1 species)

Aphorista vittata (Handsome Fungus Beetle)

Identified By: N. Ritter (from photo); First Noted By: A. Rivellini

Year Observed: 2020

Erotylidae (1 species)

Megalodacne Indet. #1 (Pleasing Fungus Beetle)

Identified and First Noted By: N. Ritter

Years Observed: 2018; 2019

Lampyridae (1 species)

Pyractomena borealis (Lightning Bug)

Identified and First Noted By: N. Ritter

Year Observed: 2019 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Lucanidae (1 species)

Lucanus capreolus (Reddish-brown Stag Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Lycidae (2 species)

Calopteron discrepans (Banded Net-winged Beetle)

Identified By: G. Hertel; First Noted By: K. McMillin; Also Noted By: N. Ritter

Years Observed: 2015; 2020

Dictyoptera aurora (Golden Net-winged Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Meloidae (1 species)

Meloe americanus (American Oil Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Passalidae (1 species)

Odontotaenius disjunctus (Horned Passalus Beetle)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2015; 2019

Psephenidae (2 species)

Ectopria Indet. #1

Identified and First Noted By: Stroud Water Research Center

Psephenus herricki (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Pyrochroidae (1 species)

Dendroides canadensis (Fire-colored Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Scarabaeidae (1 species)

Popillia japonica (Japanese Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: native): Common Milkweed (Asclepias syriaca)

Silphidae (2 species)

Necrophila americana (American Carrion Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Oiceoptoma noveboracense (Margined Carrion Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2019 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Tenebrionidae (1 species)

Alobates pensylvanicus (False Mealworm Beetle)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Order Diptera

Asilidae (3 species)

Eudioctria Indet. #1 (No Common Name)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Holcocephala Indet. #1 (Gnat Ogre)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Laphria canis Complex (Bee-mimic Robber Flies)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Calliphoridae (1 species)

Lucilia Indet. #1 (Greenbottle Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (3 species: Natives - 2; Introduced - 1): Common Yarrow (Achillea millefolium);

Flat-top Goldentop (Euthamia graminifolia); Swamp Verbena (Verbena hastata)

Cecidomyiidae (5 species)

Ampelomyia vitiscoryloides (Gall Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Asteromyia carbonifera (Carbonifera Goldenrod Gall Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Caryomyia Indet. #1 (Hickory Gall Midge)

Identified and First Noted By: G. Hertel

Year Observed: 2013

Dasineura folliculi (Gall Midge)

Identified By: D. McClosky (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Resseliella liriodendri (Gall Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Rhopalomyia solidaginis (Goldenrod Bunch Gall Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Ceratopogonidae (2 species)

Ceratopogonidae Indet. #1 (Biting Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Probezzia Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Chironomidae (41 species)

Brillia Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Chironomidae Indet. #1 (Non-biting Midge)

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Chironomidae Indet. #2 (Non-biting Midge)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Corynoneura Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Cricotopus Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Flowering Plant Species Known for the GNA That Are Visited By This Species: native): American Witchhazel (Hamamelis virginiana)

Cricotopus/Orthocladius

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Diamesa Indet. #1

Identified and First Noted By: Stroud Water Research Center

Diamesinae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Diplocladius Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Eukiefferiella coerulescens Group

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hydrobaenus Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Krenosmittia Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Micropsectra polita (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Nilotanypus fimbriatus (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladiinae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Orthocladius Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Orthocladius clarkei

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius clarkei/obumbratus

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius dentifer

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius dentifer/dorenus

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius dorenus

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius dorenus/obumbratus

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius obumbratus

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius obumbratus/robacki

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Orthocladius rivicola (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Parametriocnemus Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Polypedilum aviceps (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Polypedilum convictum Group (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Potthastia/Sympotthastia

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Rheotanytarsus Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Rheotanytarsus exiguus Group (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Sympotthastia Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Tanytarsus glabrescens Group (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Tanytarsus guerlus Group

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Thienemanniella Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Thienemanniella Indet. #2

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Thienemanniella taurocapita (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Thienemanniella cf. xena (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Thienemannimyia Group

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Tvetenia Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Tvetenia paucunca (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Chloropidae (1 species)

Thaumatomyia Indet. #1 (Grass Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Culicidae (2 species)

Aedes japonicus (Asian Bush Mosquito)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Psorophora ferox (White-footed Woods Mosquito)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Dolichopodidae (1 species)

Condylostylus Indet. #1 (Long-legged Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: introduced): European Cranberrybush (Viburnum opulus)

Drosophilidae (1 species)

Drosophila melanogaster (Common Fruit Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2018

Empididae (3 species)

Chelifera Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Clinocera Indet. #1

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Empididae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Family Unknown

Tipuloidea Indet. #1 (Crane Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Limoniidae (2 species)

Antocha Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Helius Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Muscidae (1 species)

Muscidae Indet. #1 (Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (2 species: both introduced): Common Chickweed (Stellaria media); Tree Of

Heaven (Ailanthus altissima)

Pediciidae (1 species)

Dicranota Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Sarcophagidae (1 species)

Miltogramminae Indet. #1 (Satellite Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Simuliidae (4 species)

Prosimulium Indet. #1 (Black Flies)

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Simuliidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Simulium Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Stegopterna Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Syrphidae (3 species)

Meromacrus acutus (Carolinian Elegant)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Toxomerus geminatus (Eastern Calligrapher)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (57 species: Natives - 44; Introduced - 13): Allegheny Blackberry (Rubus allegheniensis); American Ginseng (Panax quinquefolius); American Pokeweed (Phytolacca americana); American Witchhazel (Hamamelis virginiana); Arrowleaf Tearthumb (Polygonum sagittatum); Autumn Olive (Elaeagnus umbellata); Black Medick (Medicago lupulina); Blackeyed Susan (Rudbeckia hirta); Blackhaw (Viburnum prunifolium); Bloodroot (Sanguinaria canadensis); Blue Mistflower (Conoclinium coelestinum); Broadleaf Enchanter's Nightshade (Circaea lutetiana); Bull Thistle (Cirsium vulgare); Canada Goldenrod (Solidago canadensis); Canada Thistle (Cirsium arvense); Canadian Blacksnakeroot (Sanicula canadensis); Canadian Honewort (Cryptotaenia canadensis); Canadian Horseweed (Conyza canadensis); Chicory (Cichorium intybus); Cockspur Hawthorn (Crataegus crus-galli); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Chickweed (Stellaria media); Common Motherwort (Leonurus cardiaca); Common Mullein (Verbascum thapsus); Common Yarrow (Achillea millefolium); Cutleaf Coneflower (Rudbeckia laciniata); Early Goldenrod (Solidago juncea); Eastern Daisy Fleabane (Erigeron annuus); Eastern Poison Ivy (Toxicodendron radicans); European Cranberrybush (Viburnum opulus); Flat-top Goldentop (Euthamia graminifolia); Golden Ragwort (Packera aurea); Gray Goldenrod (Solidago nemoralis); Greater Burdock (Arctium lappa); Honeylocust (Gleditsia triacanthos); Joe Pye Weed (Eutrochium purpureum); Longstyle Sweetroot (Osmorhiza longistylis); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); New England Aster (Symphyotrichum novae-angliae); New Jersey Tea (Ceanothus americanus); Norwegian Cinquefoil (Potentilla norvegica); Oxeye Daisy (Leucanthemum vulgare); Philadelphia Fleabane (Erigeron philadelphicus); Prairie Fleabane (Erigeron strigosus); Ramp (Allium tricoccum); Roundlobe Hepatica (Hepatica nobilis var. obtusa); Smooth Carrionflower (Smilax herbacea); Smooth Sumac (Rhus glabra); Southern Arrowwood (Viburnum dentatum); Spotted Water Hemlock (Cicuta maculata); Stinking Chamomile (Anthemis cotula); Virginia Springbeauty (Claytonia virginica); White Snakeroot (Ageratina altissima); White Vervain (Verbena urticifolia); Wild Cucumber (Echinocystis lobata); Woman's Tobacco (Antennaria plantaginifolia); Yellow Giant Hyssop (Agastache nepetoides)

Toxomerus marginatus (Margined Calligrapher)

Identified By: Trina Roberts (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (93 species: Natives - 73; Introduced - 20): Allegheny Blackberry (Rubus allegheniensis); American Black Elderberry (Sambucus nigra ssp. canadensis); American False Pennyroyal (Hedeoma pulegioides); American Water Horehound (Lycopus americanus); Arrowleaf Tearthumb (Polygonum sagittatum); Autumn Olive (Elaeagnus umbellata); Black Medick (Medicago lupulina); Black Willow (Salix nigra); Blackeyed Susan (Rudbeckia hirta); Blackhaw (Viburnum prunifolium); Bloodroot (Sanguinaria canadensis); Broadleaf Arrowhead (Sagittaria latifolia); Broadleaf Enchanter's Nightshade (Circaea lutetiana); Bulbous Bittercress (Cardamine bulbosa); Butter-print (Abutilon theophrasti); Canada Goldenrod (Solidago canadensis); Canada Thistle (Cirsium arvense); Canadian Honewort (Cryptotaenia canadensis); Canadian Horseweed (Conyza canadensis); Carolina Geranium (Geranium carolinianum); Carpenter's Square (Scrophularia marilandica); Chicory (Cichorium intybus); Clasping Venus' Looking-glass (Triodanis perfoliata); Clustered Blacksnakeroot (Sanicula odorata); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Boneset (Eupatorium perfoliatum); Common Chickweed (Stellaria media); Common Cinquefoil (Potentilla simplex); Common Evening Primrose (Oenothera biennis); Common Goldstar (Hypoxis hirsuta); Common Milkweed (Asclepias syriaca); Common Mouse-ear Chickweed (Cerastium fontanum); Common Mullein (Verbascum thapsus); Common St. Johnswort (Hypericum perforatum); Common Yarrow (Achillea millefolium); Common Yellow Oxalis (Oxalis stricta); Corn Speedwell (Veronica arvensis); Culver's Root (Veronicastrum virginicum); Cutleaf Toothwort (Cardamine concatenata); Dames Rocket (Hesperis matronalis); Early Goldenrod (Solidago juncea); Eastern Daisy Fleabane (Erigeron annuus); Eastern Poison Ivy (Toxicodendron radicans); European Cranberrybush (Viburnum opulus); Eyebane (Chamaesyce nutans); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Flowering Dogwood (Cornus florida); Foxglove Beardtongue (Penstemon digitalis); Giant Goldenrod (Solidago gigantea); Golden Ragwort (Packera aurea); Gray Goldenrod (Solidago nemoralis); Green Carpetweed (Mollugo verticillata); Indianhemp (Apocynum cannabinum); Joe Pye Weed (Eutrochium purpureum); Littleleaf Buttercup (Ranunculus abortivus); Longleaf Starwort (Stellaria longifolia); Longstyle Sweetroot (Osmorhiza longistylis); Meadow Hawkweed (Hieracium caespitosum); Narrowleaf Blue-eyed Grass (Sisyrinchium angustifolium); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); Neckweed (Veronica peregrina); New England Aster (Symphyotrichum novae-angliae); New Jersey Tea (Ceanothus americanus); Nodding Beggartick (Bidens cernua); Nodding Chickweed (Cerastium nutans); Norwegian Cinquefoil (Potentilla norvegica); Oneseed Bur Cucumber (Sicyos angulatus); Oxeye Daisy (Leucanthemum vulgare); Pennsylvania Smartweed (Polygonum pensylvanicum); Philadelphia Fleabane (Erigeron philadelphicus); Prairie Fleabane (Erigeron strigosus); Purpleleaf Willowherb (Epilobium coloratum); Purplestem Beggarticks (Bidens connata); Queen Anne's Lace (Daucus carota); Queendevil (Hieracium gronovii); Sassafras (Sassafras albidum); Shepherd's Purse (Capsella bursa-pastoris); Smooth Sumac (Rhus glabra); Spotted Water Hemlock (Cicuta maculata); Stinking Chamomile (Anthemis cotula); Sulphur Cinquefoil (Potentilla recta); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); Thinleaf Sunflower (Helianthus decapetalus); Virginia Mountainmint (Pycnanthemum virginianum); Virginia Springbeauty (Claytonia virginica); Virginia Strawberry (Fragaria virginiana); White Avens (Geum canadense); White Snakeroot (Ageratina altissima); White Vervain (Verbena urticifolia); Wild Cucumber (Echinocystis lobata); Woman's Tobacco (Antennaria plantaginifolia)

Tachinidae (3 species)

Dexiini Indet. #1 (Bristle Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Juriniopsis adusta (No Common Name)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Trichopoda pennipes (Swift Feather-legged Fly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (7 species: all native): American Water Horehound (*Lycopus americanus*); American Witchhazel (*Hamamelis virginiana*); Giant Goldenrod (*Solidago gigantea*); Gray Goldenrod (*Solidago nemoralis*); Lateflowering Thoroughwort (*Eupatorium serotinum*); Spotted Water Hemlock (*Cicuta maculata*); Virginia Mountainmint (*Pycnanthemum virginianum*)

Tipulidae (2 species)

Tipula Indet. #1

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Tipulidae Indet. #1 (Large Crane Flys)

Identified By: Original Website; First Noted By: Not Known

Order Ephemeroptera

Ameletidae (1 species)

Ameletus Indet. #1 (Mayfly)

Identified and First Noted By: D. DiFederico

Baetidae (1 species)

Baetidae Indet. #1 (Mayfly)

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Family Unknown

Ephemeroptera Indet. #1 (Mayfly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Heptageniidae (2 species)

Maccaffertium modestum (Flat-headed Mayfly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Stenonema Indet. #1 (Mayfly)

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Isonychiidae (1 species)

Isonychia Indet. #1

Identified By: Original Website; First Noted By: Not Known

Order Hemiptera

Acanaloniidae (2 species)

Acanalonia bivittata (Two-striped Planthopper)

Identified By: N. Ritter; First Noted By: P. Vermeulen; Also Noted By: N. Ritter

Years Observed: 2018; 2020

Acanalonia conica (Green Cone-headed Planthopper)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Aphalaridae (1 species)

Pachypsylla celtidismamma (Hackberry Nipplegall Psylla)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Aphididae (5 species)

Aphis nerii (Milkweed Aphid)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2014; 2020

Grylloprociphilus imbricator (Beech Blight Aphid)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: P. Vermeulen; N. Ritter

Years Observed: 2014; 2018; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hormaphis hamamelidis (Witch-hazel Cone Gall Aphid)

Identified and First Noted By: N. Ritter; Also Noted By: K. Johnson

Year Observed: 2019

Illinoia liriodendri (Tuliptree Aphid)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Macrosiphum rosae (Rose Aphid)

Identified and First Noted By: N. Ritter

Year Observed: 2020 Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Aphrophoridae (1 species)

Philaenus spumarius (Meadow Spittlebug)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Cicadidae (2 species)

Cicadidae Indet. #1 (Cicada)

Identified and First Noted By: N. Ritter

Year Observed: 2018

Neotibicen Indet. #1 (Translucent Cicada)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Coccidae (1 species)

Ceroplastes Indet. #1 (Wax Scale)

Identified and First Noted By: N. Ritter

Coreidae (2 species)

Acanthocephala terminalis (Leaf-footed Bug)

Identified and First Noted By: N. Ritter; Also Noted By: P. Vermeulen

Year Observed: 2019 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Leptoglossus oppositus (Leaf-Footed Bug)

Identified By: N. Ritter; First Noted By: P. Vermeulen

Year Observed: 2018

Diaspididae (1 species)

Diaspididae Indet. #1 (Armored Scale Insects)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Family Unknown

Coccoidea Indet. #1 (Scale Insect)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Flatidae (1 species)

Metcalfa pruinosa (Citrus Flatid Planthopper)

Identified and First Noted By: N. Ritter; Also Noted By: P. Vermeulen

Years Observed: 2018; 2020

Fulgoridae (1 species)

Lycorma delicatula (Spotted Lanternfly)

Identified and First Noted By: M. Beatty; Also Noted By: C. Catranis; J. Chandler; N. Ritter; P. Vermeulen; countless visitors to the Gordon

Years Observed: 2018; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Lygaeidae (1 species)

Oncopeltus fasciatus (Large Milkweed Bug)

Identified and First Noted By: N. Ritter Years Observed: 2014; 2017; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (3 species: all native): Common Milkweed (Asclepias syriaca); Narrowleaf

Mountainmint (Pycnanthemum tenuifolium); Swamp Milkweed (Asclepias incarnata)

Monophlebidae (1 species)

Icerya purchasi (Cottony Cushion Scale)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Pentatomidae (1 species)

Brochymena arborea (Stink Bug)

Identified By: A. Meeds (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Order Hymenoptera

Apidae (3 species)

Apis mellifera (Western Honey Bee)

Identified By: Ty Sharrow (iNaturalist); First Noted By: N. Ritter

Years Observed: 2018; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species: (143 species: Natives - 106; Introduced - 37): Allegheny Blackberry (Rubus allegheniensis); Alsike Clover (Trifolium hybridum); Alternateleaf Dogwood (Cornus alternifolia); American Basswood (Tilia americana); American Black Elderberry (Sambucus nigra ssp. canadensis); American Bladdernut (Staphylea trifolia); American Burnweed (Erechtites hieraciifolius); American Pokeweed (Phytolacca americana); American Spikenard (Aralia racemosa); American Water Horehound (Lycopus americanus); American Witchhazel (Hamamelis virginiana); Autumn Olive (Elaeagnus umbellata); Bird's-foot Trefoil (Lotus corniculatus); Black Cherry (Prunus serotina); Black Locust (Robinia pseudoacacia); Black Raspberry (Rubus occidentalis); Black Willow (Salix nigra); Blackeyed Susan (Rudbeckia hirta); Blackhaw (Viburnum prunifolium); Bloodroot (Sanguinaria canadensis); Blue Mistflower (Conoclinium coelestinum); Blue Skullcap (Scutellaria lateriflora); Bluestem Goldenrod (Solidago caesia); Boxelder (Acer negundo); Broadleaf Arrowhead (Sagittaria latifolia); Broadleaf Cattail (Typha latifolia); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Butter-print (Abutilon theophrasti); Butterfly Milkweed (Asclepias tuberosa); Canada Germander (Teucrium canadense); Canada Goldenrod (Solidago canadensis); Canada Thistle (Cirsium arvense); Carpenter's Square (Scrophularia marilandica); Carpet Bugleweed (Ajuga reptans); Chicory (Cichorium intybus); Cockspur Hawthorn (Crataegus crus-galli); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Boneset (Eupatorium perfoliatum); Common Chickweed (Stellaria media); Common Dandelion (Taraxacum officinale); Common Evening Primrose (Oenothera biennis); Common Milkweed (Asclepias syriaca); Common Mouse-ear Chickweed (Cerastium fontanum); Common Mullein (Verbascum thapsus); Common St. Johnswort (Hypericum perforatum); Crownvetch (Securigera varia); Culver's Root (Veronicastrum virginicum); Cutleaf Coneflower (Rudbeckia laciniata); Cutleaf Toothwort (Cardamine concatenata); Devil's Beggartick (Bidens frondosa); Dutchman's Breeches (Dicentra cucullaria); Early Goldenrod (Solidago juncea); Eastern Cottonwood (Populus deltoides); Eastern Poison Ivy (Toxicodendron radicans); Eastern Redbud (Cercis canadensis); Field Pussytoes (Antennaria neglecta); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Foxglove Beardtongue (Penstemon digitalis); Frost Grape (Vitis vulpina); Fuller's Teasel (Dipsacus fullonum); Garden Asparagus (Asparagus officinalis); Garden Yellowrocket (Barbarea vulgaris); Garlic Mustard (Alliaria petiolata); Giant Goldenrod (Solidago aigantea); Gray Goldenrod (Solidago nemoralis); Great Blue Lobelia (Lobelia siphilitica); Great Ragweed (Ambrosia trifida); Greater Burdock (Arctium lappa); Ground Ivy (Glechoma hederacea); Hairy Solomon's Seal (Polygonatum pubescens); Honeylocust (Gleditsia triacanthos); Indianhemp (Apocynum cannabinum); Japanese Barberry (Berberis thunbergii); Japanese Hop (Humulus japonicus); Jewelweed (Impatiens capensis); Joe Pye Weed (Eutrochium purpureum); Jumpseed (Polygonum virginianum); Lateflowering Thoroughwort (Eupatorium serotinum); Lesser Burdock (Arctium minus); Littleleaf Buttercup (Ranunculus abortivus); Longstyle Sweetroot (Osmorhiza longistylis); Marsh Blue Violet (Viola cucullata); Mayapple (Podophyllum peltatum); Meadow Hawkweed (Hieracium caespitosum); Musk Mallow (Malva moschata); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); New England Aster (Symphyotrichum novae-angliae); New Jersey Tea (Ceanothus americanus); Nodding Beggartick (Bidens cernua); Nodding Chickweed (Cerastium nutans); Nodding Plumeless Thistle (Carduus nutans); Northern Dewberry (Rubus flagellaris); Norway Maple (Acer platanoides); Oneseed Bur Cucumber (Sicyos angulatus); Oxeye Daisy (Leucanthemum vulgare); Pennsylvania Smartweed (Polygonum pensylvanicum); Philadelphia Fleabane (Erigeron

philadelphicus); Poke Milkweed (Asclepias exaltata); Prairie Fleabane (Erigeron strigosus); Purple Loosestrife (Lythrum salicaria); Queen Anne's Lace (Daucus carota); Queendevil (Hieracium gronovii); Rabbit-tobacco (Pseudognaphalium obtusifolium); Ramp (Allium tricoccum); Red Clover (Trifolium pratense); Roundleaf Goldenrod (Solidago patula); Roundlobe Hepatica (Hepatica nobilis var. obtusa); Rue Anemone (Thalictrum thalictroides); Seedbox (Ludwigia alternifolia); Shepherd's Purse (Capsella bursa-pastoris); Siberian Squill (Scilla siberica); Slippery Elm (Ulmus rubra); Smooth Carrionflower (Smilax herbacea); Smooth Sumac (Rhus glabra); Spanish Needles (Bidens bipinnata); Spotted Geranium (Geranium maculatum); Spotted Water Hemlock (Cicuta maculata); Striped Prince's Pine (Chimaphila maculata); Sugar Maple (Acer saccharum); Sulphur Cinquefoil (Potentilla recta); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); Thinleaf Sunflower (Helianthus decapetalus); Umbrella-tree (Magnolia tripetala); Violet Woodsorrel (Oxalis violacea); Virginia Bluebells (Mertensia virginica); Virginia Creeper (Parthenocissus quinquefolia); Virginia Mountainmint (Pycnanthemum virginianum); Virginia Springbeauty (Claytonia virginica); Virginia Strawberry (Fragaria virginiana); Virginia Water Horehound (Lycopus virginicus); White Ash (Fraxinus americana); White Clover (Trifolium repens); White Snakeroot (Ageratina altissima); White Vervain (Verbena urticifolia); Wild Cucumber (Echinocystis lobata); Woman's Tobacco (Antennaria plantaginifolia); Wrinkleleaf Goldenrod (Solidago rugosa); Yellow Giant Hyssop (Agastache nepetoides); Yellow Trout Lily (Erythronium americanum)

Bombus impatiens (Common Eastern Bumble Bee)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (103 species: Natives - 77; Introduced - 26): Allegheny Blackberry (Rubus allegheniensis); Allegheny Monkeyflower (Mimulus ringens); Alsike Clover (Trifolium hybridum); American Bladdernut (Staphylea trifolia); American Hogpeanut (Amphicarpaea bracteata); American Pokeweed (Phytolacca americana); American Water Horehound (Lycopus americanus); American Witchhazel (Hamamelis virginiana); Bird's-foot Trefoil (Lotus corniculatus); Black Cherry (Prunus serotina); Black Locust (Robinia pseudoacacia); Black Raspberry (Rubus occidentalis); Blackeyed Susan (Rudbeckia hirta); Blue Cohosh (Caulophyllum thalictroides); Blue Skullcap (Scutellaria lateriflora); Bluestem Goldenrod (Solidago caesia); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Canada Germander (Teucrium canadense); Canada Goldenrod (Solidago canadensis); Canada Thistle (Cirsium arvense); Carolina Horsenettle (Solanum carolinense); Carpenter's Square (Scrophularia marilandica); Chicory (Cichorium intybus); Climbing Nightshade (Solanum dulcamara); Cockspur Hawthorn (Crataegus crus-galli); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Boneset (Eupatorium perfoliatum); Common Dandelion (Taraxacum officinale); Common Evening Primrose (Oenothera biennis); Common Milkweed (Asclepias syriaca); Common Mullein (Verbascum thapsus); Common Selfheal (Prunella vulgaris); Common St. Johnswort (Hypericum perforatum); Common Yarrow (Achillea millefolium); Crownyetch (Securiaera varia); Culver's Root (Veronicastrum virginicum); Cutleaf Coneflower (Rudbeckia laciniata); Cutleaf Toothwort (Cardamine concatenata); Devil's Beggartick (Bidens frondosa); Dutchman's Breeches (Dicentra cucullaria); Early Goldenrod (Solidago juncea); Eastern Daisy Fleabane (Erigeron annuus); Eastern Redbud (Cercis canadensis); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Foxglove Beardtongue (Penstemon digitalis); Fuller's Teasel (Dipsacus fullonum); Garden Yellowrocket (Barbarea vulgaris); Giant Goldenrod (Solidago gigantea); Gray Goldenrod (Solidago nemoralis); Great Blue Lobelia (Lobelia siphilitica); Japanese Barberry (Berberis thunbergii); Jewelweed (Impatiens capensis); Joe Pye Weed (Eutrochium purpureum); Jumpseed (Polygonum virginianum); Lateflowering Thoroughwort

(Eupatorium serotinum); Lesser Burdock (Arctium minus); Longstyle Sweetroot (Osmorhiza longistylis); Marsh Blue Violet (Viola cucullata); Mayapple (Podophyllum peltatum); Nakedflower Ticktrefoil (Desmodium nudiflorum); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); New England Aster (Symphyotrichum novae-angliae); New Jersey Tea (Ceanothus americanus); Nodding Beggartick (Bidens cernua); Nodding Plumeless Thistle (Carduus nutans); Northern Dewberry (Rubus flagellaris); Norway Maple (Acer platanoides); Oneseed Bur Cucumber (Sicyos angulatus); Oxeye Daisy (Leucanthemum vulgare); Panicledleaf Ticktrefoil (Desmodium paniculatum); Partridgeberry (Mitchella repens); Pennsylvania Smartweed (Polygonum pensylvanicum); Peppermint (Mentha xpiperita); Perplexed Ticktrefoil (Desmodium perplexum); Pointedleaf Ticktrefoil (Desmodium glutinosum); Purple Loosestrife (Lythrum salicaria); Purplestem Beggarticks (Bidens connata); Queen Anne's Lace (Daucus carota); Queendevil (Hieracium gronovii); Red Clover (Trifolium pratense); Reed Canarygrass (Phalaris arundinacea); Rose-of-Sharon (Hibiscus syriacus); Roundleaf Goldenrod (Solidago patula); Showy Orchis (Galearis spectabilis); Spotted Geranium (Geranium maculatum); Spotted Ladysthumb (Polygonum persicaria); Spotted Water Hemlock (Cicuta maculata); Staghorn Sumac (Rhus typhina); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); Thinleaf Sunflower (Helianthus decapetalus); Virginia Mountainmint (Pycnanthemum virginianum); Virginia Springbeauty (Claytonia virginica); Virginia Strawberry (Fragaria virginiana); White Clover (Trifolium repens); White Snakeroot (Ageratina altissima); White Turtlehead (Chelone glabra); White Vervain (Verbena urticifolia); Wrinkleleaf Goldenrod (Solidago rugosa); Yellow Giant Hyssop (Agastache nepetoides)

Bombus vagans (Half-black Bumble Bee)

Identified By: N. Ritter; First Noted By: W. Ricci; Also Noted By: N. Ritter

Years Observed: 2013; 2017

Conservation Status

IUCN: Redlist Global Status: Least Concern; Global Population: Stable

Flowering Plant Species Known for the GNA That Are Visited By This Species (58 species: Natives - 48; Introduced - 10): Allegheny Blackberry (Rubus allegheniensis); Allegheny Monkeyflower (Mimulus ringens); Alternateleaf Dogwood (Cornus alternifolia); American Bladdernut (Staphylea trifolia); American Hogpeanut (Amphicarpaea bracteata); American Holly (Ilex opaca); American Spikenard (Aralia racemosa); Black Raspberry (Rubus occidentalis); Blackeyed Susan (Rudbeckia hirta); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Canada Germander (Teucrium canadense); Canada Goldenrod (Solidago canadensis); Carpenter's Square (Scrophularia marilandica); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Milkweed (Asclepias syriaca); Common Mullein (Verbascum thapsus); Common Selfheal (Prunella vulgaris); Culver's Root (Veronicastrum virginicum); Cutleaf Coneflower (Rudbeckia laciniata); Dutchman's Breeches (Dicentra cucullaria); Early Goldenrod (Solidago juncea); Eastern Daisy Fleabane (Erigeron annuus); Eastern Redbud (Cercis canadensis); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Foxglove Beardtongue (Penstemon digitalis); Garden Asparagus (Asparagus officinalis); Giant Goldenrod (Solidago gigantea); Gray Goldenrod (Solidago nemoralis); Great Blue Lobelia (Lobelia siphilitica); Greater Burdock (Arctium lappa); Ground Ivy (Glechoma hederacea); Hairy Solomon's Seal (Polygonatum pubescens); Jewelweed (Impatiens capensis); Joe Pye Weed (Eutrochium purpureum); Lateflowering Thoroughwort (Eupatorium serotinum); Lesser Burdock (Arctium minus); New England Aster (Symphyotrichum novae-angliae); Partridgeberry (Mitchella repens); Pipsissewa (Chimaphila umbellata); Purple Loosestrife (Lythrum salicaria); Ramp (Allium tricoccum); Red Clover (Trifolium pratense); Showy Orchis (Galearis spectabilis); Spotted Geranium (Geranium maculatum); Striped Prince's Pine (Chimaphila

maculata); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); Thinleaf Sunflower (Helianthus decapetalus); Virginia Bluebells (Mertensia virginica); Virginia Mountainmint (Pycnanthemum virginianum); Virginia Springbeauty (Claytonia virginica); White Snakeroot (Ageratina altissima); White Turtlehead (Chelone glabra); Wild Sarsaparilla (Aralia nudicaulis); Yellow Giant Hyssop (Agastache nepetoides)

Crabronidae (1 species)

Crabronidae Indet. #1 (Crabronid Wasp)

Identified By: jeongyoo (iNaturalist); First Noted By: N. Ritter

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: native): Rabbit-tobacco (Pseudognaphalium obtusifolium)

Cynipidae (1 species)

Amphibolips quercusjuglans (Oak Acorn Plum Gall Wasp)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: J. Schedlbauer; P. Vermeulen; M. Beatty; A. Rivellini; N. Long; G. Turner; N. Ritter

Years Observed: 2011; 2016; 2017; 2018; 2019; 2020

Diprionidae (1 species)

Neodiprion lecontei (Redheaded Pine Sawfly)

Identified and First Noted By: G. Hertel

Year Observed: 2012 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Formicidae (4 species)

Camponotus chromaiodes (Ferruginous Carpenter Ant)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Camponotus pennsylvanicus (Eastern Black Carpenter Ant)

Identified By: N. Ritter; First Noted By: P. Vermeulen

Nylanderia Indet. #1 (Crazy Ant)

Identified By: ferox_formicae (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Prenolepis Indet. #1 (False Honey Ant)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Halictidae (2 species)

Augochlora pura (Pure Green Sweat Bee)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (4 species: all native): American Pokeweed (Phytolacca americana); Hairy

White Oldfield Aster (Symphyotrichum pilosum); Virginia Springbeauty (Claytonia virginica); White Goldenrod (Solidago bicolor)

Sphecodes Indet. #1 (Blood Bee)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: introduced): Queen Anne's Lace (Daucus carota)

Ichneumonidae (1 species)

Ichneumonidae Indet. #1 (Ichneumonid Wasp)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Megachilidae (1 species)

Megachile sculpturalis (Sculptured Resin Bee)

Identified and First Noted By: N. Ritter

Scoliidae (1 species)

Scolia dubia ssp. dubia (Blue-winged Scoliid Wasp)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Sphecidae (3 species)

Sphex ichneumoneus (Great Golden Digger Wasp)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (20 species: Natives - 18; Introduced - 2): American Basswood (*Tilia americana*); American Water Horehound (*Lycopus americanus*); Butterfly Milkweed (*Asclepias tuberosa*); Canada Goldenrod (*Solidago canadensis*); Common Boneset (*Eupatorium perfoliatum*); Common Milkweed (*Asclepias syriaca*); Culver's Root (*Veronicastrum virginicum*); Flat-top Goldentop (*Euthamia graminifolia*); Giant Goldenrod (*Solidago gigantea*); Gray Goldenrod (*Solidago nemoralis*); Narrowleaf Mountainmint (*Pycnanthemum tenuifolium*); Oneseed Bur Cucumber (*Sicyos angulatus*); Queen Anne's Lace (*Daucus carota*); Roundleaf Goldenrod (*Solidago patula*); Spotted Water Hemlock (*Cicuta maculata*); Swamp Milkweed (*Asclepias incarnata*); Swamp Verbena (*Verbena hastata*); Sweetclover (*Melilotus officinalis*); Virginia Mountainmint (*Pycnanthemum virginianum*); White Snakeroot (*Ageratina altissima*)

Sphex nudus (Katydid Wasp)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (4 species: all native): Common Boneset (*Eupatorium perfoliatum*); Narrowleaf Mountainmint (*Pycnanthemum tenuifolium*); Swamp Milkweed (*Asclepias incarnata*); Wild Mint (*Mentha arvensis*)

Sphex pensylvanicus (Great Black Digger Wasp)

Identified and First Noted By: N. Ritter

Vespidae (5 species)

Dolichovespula maculata (Bald-faced Hornet)

Identified and First Noted By: N. Ritter Years Observed: 2017; 2018; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (16 species: Natives - 15; Introduced - 1): American Bladdernut (Staphylea trifolia); American Spikenard (Aralia racemosa); American Water Horehound (Lycopus americanus); Canada Goldenrod (Solidago canadensis); Carpenter's Square (Scrophularia marilandica); Common Blue Wood Aster (Symphyotrichum cordifolium); Common Boneset (Eupatorium perfoliatum); Flat-top Goldentop (Euthamia graminifolia); Giant Goldenrod (Solidago gigantea); Oneseed Bur Cucumber (Sicyos angulatus); Queen Anne's Lace (Daucus carota); Roundleaf Goldenrod (Solidago patula); Spotted Water Hemlock (Cicuta maculata); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); White Snakeroot (Ageratina altissima)

Polistes cf. fuscatus (Northern Paper Wasp)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Flowering Plant Species Known for the GNA That Are Visited By This Species (2 species: both native): Canada Goldenrod (Solidago altissima); Common

Milkweed (Asclepias syriaca)

Vespidae Indet. #1 (Wasp)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2007; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species: Natives - 1; Introduced - 1): Butter And Eggs (Linaria vulgaris);

Rabbit-tobacco (Pseudognaphalium obtusifolium)

Vespula maculifrons (Eastern Yellowjacket)

Identified and First Noted By: N. Ritter; Also Noted By: M. Beatty

Years Observed: 2016; 2017; 2018; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: native): Jewelweed (Impatiens capensis)

Vespula squamosa (Southern Yellowjacket)

Identified and First Noted By: N. Ritter

Years Observed: 2019; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (5 species: all native): Canada Goldenrod (Solidago canadensis); Carpenter's Square (Scrophularia marilandica); Pennsylvania Smartweed (Polygonum pensylvanicum); Spotted Water Hemlock (Cicuta maculata); Swamp Milkweed

(Asclepias incarnata)

Order Isopoda

Asellidae (1 species)

Caecidotea Indet. #1 (Isopod)

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Order Lepidoptera

Crambidae (3 species)

Agriphila Indet. #1 (Sod Webworm Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Microcrambus Indet. #1 (Grass Veneer)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Nomophila nearctica (Lucerne Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (3 species: all native): American Basswood (Tilia americana); Culver's Root

(Veronicastrum virginicum); Flat-top Goldentop (Euthamia graminifolia)

Erebidae (9 species)

Cycnia tenera (Delicate Cycnia Moth)

Identified By: N. Ritter; First Noted By: A. Rivellini; Also Noted By: M. Beatty

Year Observed: 2019

Euchaetes egle (Milkweed Tussock Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2019 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Halysidota tessellaris (Banded Tussock Moth)

Identified By: D. Saunders (iNaturalist); First Noted By: D. Saunders; Also Noted By: N. Ritter

Years Observed: 2019; 2020

Hypeninae Indet. #1 (Hypenine Snout Moths)

Identified By: N. Ritter; First Noted By:

Year Observed: 2020

Hyphantria cunea (Fall Webworm)

Identified and First Noted By: N. Ritter; Also Noted By: J. Kline

Years Observed: 2018; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Panopoda Indet. #1 (Moth)

Identified By: k8thegr8 (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Pyrrharctia isabella (Isabella Tiger Moth)

Identified By: N. Ritter; First Noted By: M. Beatty

Year Observed: 2019 Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Renia Indet. #1 (Litter Moths)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Spilosoma virginica (Virginia Tiger Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2018
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Gelechiidae (1 species)

Fascista cercerisella (Redbud Leaffolder Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Geometridae (3 species)

Geometridae Indet. #1

Identified By: k8thegr8 (iNaturalist); First Noted By: N. Ritter

Year Observed: 2019

Melanolophia Indet. #1 (Melanolophia Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Timandra amaturaria (Cross-lined Wave)

Identified and First Noted By: N. Ritter

Gracillariidae (1 species)

Phyllocnistis liriodendronella (Tulip Tree Leaf Miner)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Hesperiidae (5 species)

Atalopedes campestris (Sachem)

Identified By: Doug Bruce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (12 species: Natives - 8; Introduced - 4): Bull Thistle (*Cirsium vulgare*); Canada Thistle (*Cirsium arvense*); Field Thistle (*Cirsium discolor*); Great Blue Lobelia (*Lobelia siphilitica*); Lateflowering Thoroughwort (*Eupatorium serotinum*); Nodding Beggartick (*Bidens cernua*); Pennsylvania Smartweed (*Polygonum pensylvanicum*); Rabbit-tobacco (*Pseudognaphalium obtusifolium*); Red Clover (*Trifolium pratense*); Swamp Milkweed (*Asclepias incarnata*); Swamp Verbena (*Verbena hastata*); White Clover (*Trifolium repens*)

Epargyreus clarus (Silver-spotted Skipper)

Identified and First Noted By: N. Ritter

Years Observed: 2019; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (10 species: Natives - 5; Introduced - 5): American Basswood (Tilia americana);

Canada Thistle (*Cirsium arvense*); Common Milkweed (*Asclepias syriaca*); Cutleaf Coneflower (*Rudbeckia laciniata*); Fuller's Teasel (*Dipsacus fullonum*); Indianhemp (*Apocynum cannabinum*); Nodding Plumeless Thistle (*Carduus nutans*); Poke Milkweed (*Asclepias exaltata*); Purple Loosestrife (*Lythrum salicaria*); Red Clover (*Trifolium pratense*)

immonia hamatinina (Mild Indiaa Dualumnina

Erynnis baptisiae (Wild Indigo Duskywing)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (1 species: introduced): Red Clover (Trifolium pratense)

Pholisora catullus (Common Sootywing)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (15 species: Natives - 10; Introduced - 5): American Water Horehound (Lycopus americanus); Black Raspberry (Rubus occidentalis); Bulbous Bittercress (Cardamine bulbosa); Butter-print (Abutilon theophrasti); Common Milkweed (Asclepias syriaca); Common Yellow Oxalis (Oxalis stricta); Lesser Burdock (Arctium minus); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); Northern Dewberry (Rubus flagellaris); Prickly Lettuce (Lactuca serriola); Shepherd's Purse (Capsella bursa-pastoris); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Virginia Strawberry (Fragaria virginiana); White Clover (Trifolium repens)

Polites themistocles (Tawny-edged Skipper)

Identified and First Noted By: N. Ritter

Year Observed: 2019
Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (32 species: Natives - 19; Introduced - 13): American Speedwell (Veronica americana); Black Raspberry (Rubus occidentalis); Blackeyed Susan (Rudbeckia hirta); Blue Mistflower (Conoclinium coelestinum); Broadleaf Arrowhead (Sagittaria latifolia); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Canada Thistle (Cirsium arvense); Common Dandelion (Taraxacum officinale); Common Milkweed (Asclepias syriaca); Common Selfheal (Prunella vulgaris); Cutleaf Coneflower (Rudbeckia laciniata); European Cranberrybush (Viburnum opulus); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Garden Cornflower (Centaurea cyanus); Great Blue Lobelia (Lobelia siphilitica); Greater Burdock (Arctium lappa); Joe Pye Weed (Eutrochium purpureum); Lateflowering Thoroughwort (Eupatorium serotinum); Lesser Burdock (Arctium minus); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); Nodding Beggartick (Bidens cernua); Nodding Plumeless Thistle (Carduus nutans); Northern Dewberry (Rubus flagellaris); Pennsylvania Smartweed (Polygonum pensylvanicum); Philadelphia Fleabane (Erigeron philadelphicus); Red Clover (Trifolium pratense); Rocket Larkspur (Consolida ajacis); Swamp Milkweed (Asclepias incarnata); Sweetclover (Melilotus officinalis); White Clover (Trifolium repens)

Limacodidae (1 species)

Acharia stimulea (Saddleback Caterpillar Moth)

Identified By: N. Ritter; First Noted By: G. Hertel & K. McMillin

Lycaenidae (1 species)

Cupido comyntas (Eastern Tailed-Blue)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (7 species: Natives - 3; Introduced - 4): Alsike Clover (*Trifolium hybridum*);

Black Medick (Medicago lupulina); Canada Thistle (Cirsium arvense); Common Yellow Oxalis (Oxalis stricta); Philadelphia Fleabane (Erigeron philadelphicus);

Swamp Milkweed (Asclepias incarnata); White Clover (Trifolium repens)

Noctuidae (2 species)

Acronicta americana (American Dagger Moth)

Identified By: N. Ritter; First Noted By: P. Vermeulen; Also Noted By: N. Ritter

Years Observed: 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Lithophane Indet. #1 (Dart Moth)

Identified and First Noted By: A. Rivellini

Year Observed: 2019

Notodontidae (2 species)

Datana integerrima (Walnut Caterpillar Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Schizura concinna (Red-humped Caterpillar)

Identified By: N. Ritter; First Noted By: G. Hertel

Year Observed: 2011 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Nymphalidae (7 species)

Danaus plexippus (Monarch Butterfly)

Identified and First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2014; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (36 species: Natives - 27; Introduced - 9): Black Cherry (*Prunus serotina*); Black Locust (*Robinia pseudoacacia*); Blackeyed Susan (*Rudbeckia hirta*); Blue Mistflower (*Conoclinium coelestinum*); Bull Thistle (*Cirsium vulgare*); Butterfly Milkweed (*Asclepias tuberosa*); Canada Goldenrod (*Solidago altissima*); Canada Goldenrod (*Solidago canadensis*); Canada Thistle (*Cirsium arvense*); Cockspur Hawthorn (*Crataegus crus-galli*); Common Blue Violet (*Viola sororia*); Common Boneset (*Eupatorium perfoliatum*); Common Dandelion (*Taraxacum officinale*); Common Milkweed (*Asclepias syriaca*); Common Yarrow (*Achillea millefolium*); Cutleaf Coneflower (*Rudbeckia laciniata*); Field Thistle (*Cirsium discolor*); Flat-top Goldentop (*Euthamia graminifolia*); Fuller's Teasel (*Dipsacus fullonum*); Gray Goldenrod (*Solidago nemoralis*); Great Blue Lobelia (*Lobelia siphilitica*); Jewelweed (*Impatiens capensis*); Joe Pye Weed (*Eutrochium purpureum*); New England Aster (*Symphyotrichum novae-angliae*); Nodding Beggartick (*Bidens cernua*); Nodding Plumeless Thistle (*Carduus nutans*); Pennsylvania Smartweed (*Polygonum pensylvanicum*); Poke Milkweed (*Asclepias exaltata*); Red Clover (*Trifolium pratense*); Swamp Milkweed (*Asclepias incarnata*); Swamp Verbena (*Verbena hastata*); Sweetclover (*Melilotus officinalis*); Virginia Bluebells (*Mertensia virginica*); White Clover (*Trifolium repens*); Wild Cucumber (*Echinocystis lobata*); Yellow Giant Hyssop (*Agastache nepetoides*)

Junonia coenia (Common Buckeye)

Identified and First Noted By: N. Ritter

Years Observed: 2019; 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (14 species: Natives - 7; Introduced - 7): Canada Thistle (*Cirsium arvense*); Carolina Geranium (*Geranium carolinianum*); Common Boneset (*Eupatorium perfoliatum*); Common Dandelion (*Taraxacum officinale*); Common Yarrow (*Achillea millefolium*); Giant Goldenrod (*Solidago gigantea*); Narrowleaf Mountainmint (*Pycnanthemum tenuifolium*); Narrowleaf Plantain (*Plantago lanceolata*); Northern Bugleweed (*Lycopus uniflorus*); Pennsylvania Smartweed (*Polygonum pensylvanicum*); Purple Loosestrife (*Lythrum salicaria*); Swamp Milkweed (*Asclepias incarnata*); Sweetclover (*Melilotus officinalis*); White Clover (*Trifolium repens*)

Lethe appalachia (Appalachian Brown)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Limenitis arthemis (Red-spotted Admiral)

Identified and First Noted By: G. Hertel; Also Noted By: N. Ritter; M. Valles

Years Observed: 2014; 2020

Polygonia comma (Eastern Comma)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (6 species: Natives - 5; Introduced - 1): Canada Thistle (*Cirsium arvense*); Common Milkweed (*Asclepias syriaca*); Early Goldenrod (*Solidago juncea*); Field Pussytoes (*Antennaria neglecta*); Joe Pye Weed (*Eutrochium purpureum*); Sugar Maple (*Acer saccharum*)

Vanessa atalanta (Red Admiral)

Identified and First Noted By: G. Hertel

Year Observed: 2012 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (34 species: Natives - 25; Introduced - 9): Allegheny Blackberry (Rubus allegheniensis); American Basswood (Tilia americana); Autumn Olive (Elaeagnus umbellata); Blackeyed Susan (Rudbeckia hirta); Bulbous Bittercress (Cardamine bulbosa); Bull Thistle (Cirsium vulgare); Canada Goldenrod (Solidago altissima); Canada Thistle (Cirsium arvense); Common Boneset (Eupatorium perfoliatum); Common Milkweed (Asclepias syriaca); Crownvetch (Securigera varia); Cutleaf Coneflower (Rudbeckia laciniata); Dames Rocket (Hesperis matronalis); Dutchman's Breeches (Dicentra cucullaria); Early Goldenrod (Solidago juncea); Eastern Redbud (Cercis canadensis); Field Pussytoes (Antennaria neglecta); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Garden Yellowrocket (Barbarea vulgaris); Indianhemp (Apocynum cannabinum); Joe Pye Weed (Eutrochium purpureum); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); New England Aster (Symphyotrichum novaeangliae); Nodding Beggartick (Bidens cernua); Nodding Plumeless Thistle (Carduus nutans); Pennsylvania Smartweed (Polygonum pensylvanicum); Red Clover (Trifolium pratense); Smooth Sumac (Rhus glabra); Sugar Maple (Acer saccharum); Swamp Milkweed (Asclepias incarnata); Sweetclover (Melilotus officinalis); Virginia Bluebells (Mertensia virginica); Virginia Springbeauty (Claytonia virginica)

Vanessa virginiensis (American Painted Lady)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Flowering Plant Species Known for the GNA That Are Visited By This Species (30 species: Natives - 20; Introduced - 10): Black Cherry (*Prunus serotina*); Black Willow (*Salix nigra*); Blackeyed Susan (*Rudbeckia hirta*); Blackhaw (*Viburnum prunifolium*); Canada Thistle (*Cirsium arvense*); Common Boneset (*Eupatorium perfoliatum*); Common Chickweed (*Stellaria media*); Common Dandelion (*Taraxacum officinale*); Common Milkweed (*Asclepias syriaca*); Culver's Root (*Veronicastrum virginicum*); Cutleaf Coneflower (*Rudbeckia laciniata*); Early Goldenrod (*Solidago juncea*); Eastern Redbud (*Cercis canadensis*); Field Pepperweed (*Lepidium campestre*); Field Pussytoes (*Antennaria neglecta*); Flat-top Goldentop (*Euthamia graminifolia*); Fuller's Teasel (*Dipsacus fullonum*); Great Blue Lobelia (*Lobelia siphilitica*); Joe Pye Weed (*Eutrochium purpureum*); Lesser Burdock (*Arctium minus*); Marsh Blue Violet (*Viola cucullata*);

Narrowleaf Mountainmint (*Pycnanthemum tenuifolium*); New England Aster (*Symphyotrichum novae-angliae*); Nodding Beggartick (*Bidens cernua*); Nodding Plumeless Thistle (*Carduus nutans*); Red Clover (*Trifolium pratense*); Sassafras (*Sassafras albidum*); Sweetclover (*Melilotus officinalis*); White Clover (*Trifolium repens*); Woman's Tobacco (*Antennaria plantaginifolia*)

Papilionidae (2 species)

Papilio glaucus (Eastern Tiger Swallowtail)

Identified and First Noted By: G. Hertel; Also Noted By: N. Ritter

Years Observed: 2012; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (22 species: Natives - 12; Introduced - 10): Allegheny Blackberry (Rubus allegheniensis); American Basswood (Tilia americana); Blackeyed Susan (Rudbeckia hirta); Bull Thistle (Cirsium vulgare); Butterfly Milkweed (Asclepias tuberosa); Canada Thistle (Cirsium arvense); Common Dandelion (Taraxacum officinale); Common Milkweed (Asclepias syriaca); Cutleaf Coneflower (Rudbeckia laciniata); Dames Rocket (Hesperis matronalis); Dutchman's Breeches (Dicentra cucullaria); Field Thistle (Cirsium discolor); Fuller's Teasel (Dipsacus fullonum); Joe Pye Weed (Eutrochium purpureum); Lesser Burdock (Arctium minus); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); Nodding Plumeless Thistle (Carduus nutans); Rocket Larkspur (Consolida ajacis); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); White Clover (Trifolium repens)

Papilio troilus (Spicebush Swallowtail)

Identified and First Noted By: G. Hertel; Also Noted By: M. Beatty

Years Observed: 2012; 2013; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Flowering Plant Species Known for the GNA That Are Visited By This Species (8 species: Natives - 5; Introduced - 3): Bull Thistle (*Cirsium vulgare*); Butterfly Milkweed (*Asclepias tuberosa*); Common Dandelion (*Taraxacum officinale*); Foxglove Beardtongue (*Penstemon digitalis*); Jewelweed (*Impatiens capensis*); Lesser Burdock (*Arctium minus*); Swamp Milkweed (*Asclepias incarnata*); Virginia Bluebells (*Mertensia virginica*)

Pieridae (2 species)

Colias philodice (Clouded Sulphur)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (53 species: Natives - 37; Introduced - 16): Allegheny Blackberry (Rubus allegheniensis); American Water Horehound (Lycopus americanus); Black Willow (Salix nigra); Blackeyed Susan (Rudbeckia hirta); Blue Mistflower (Conoclinium coelestinum); Broadleaf Arrowhead (Sagittaria latifolia); Bulbous Bittercress (Cardamine bulbosa); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Butterfly Milkweed (Asclepias tuberosa); Canada Germander (Teucrium canadense); Canada Goldenrod (Solidago altissima); Canada Goldenrod (Solidago canadensis); Canada Thistle (Cirsium arvense); Chicory (Cichorium intybus); Common Boneset (Eupatorium perfoliatum); Common Dandelion (Taraxacum officinale); Common Milkweed (Asclepias syriaca); Common Selfheal (Prunella vulgaris); Field Thistle (Cirsium discolor); Flat-top Goldentop (Euthamia graminifolia); Flower Of An Hour (Hibiscus trionum); Foxglove Beardtongue (Penstemon digitalis); Garden Yellowrocket (Barbarea vulgaris); Gray Goldenrod (Solidago nemoralis); Greater Burdock (Arctium lappa); Ground Ivy (Glechoma hederacea); Joe Pye Weed (Eutrochium purpureum); Lateflowering Thoroughwort (Eupatorium serotinum); Lesser Burdock (Arctium minus); Longstyle Sweetroot (Osmorhiza longistylis); Marsh Blue Violet (Viola cucullata); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); New England Aster (Symphyotrichum novae-angliae); Nodding Beggartick (Bidens cernua); Nodding Chickweed (Cerastium nutans); Nodding Plumeless Thistle (Carduus nutans); Northern Dewberry (Rubus flagellaris); Pennsylvania Smartweed (Polygonum pensylvanicum); Prickly Fanpetals (Sida spinosa); Purple Loosestrife (Lythrum salicaria); Red Clover (Trifolium pratense); Spotted Geranium (Geranium maculatum); Spotted Water Hemlock (Cicuta maculata); Stinking Chamomile (Anthemis cotula); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Sweetclover (Melilotus officinalis); Violet Woodsorrel (Oxalis violacea); Virginia Spr

Pieris rapae (Cabbage White)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Flowering Plant Species Known for the GNA That Are Visited By This Species (63 species: Natives - 33; Introduced - 30): Bird's-foot Trefoil (Lotus corniculatus); Blackeyed Susan (Rudbeckia hirta); Bloodroot (Sanguinaria canadensis); Bulbous Bittercress (Cardamine bulbosa); Bull Thistle (Cirsium vulgare); Butter And Eggs (Linaria vulgaris); Butter-print (Abutilon theophrasti); Canada Germander (Teucrium canadense); Canada Goldenrod (Solidago altissima); Canada Thistle (Cirsium arvense); Canadian Horseweed (Conyza canadensis); Clasping Venus' Looking-glass (Triodanis perfoliata); Climbing Nightshade (Solanum dulcamara); Common Boneset (Eupatorium perfoliatum); Common Chickweed (Stellaria media); Common Dandelion (Taraxacum officinale); Common Milkweed (Asclepias syriaca); Common Selfheal (Prunella vulgaris); Common Yellow Oxalis (Oxalis stricta); Crownvetch (Securigera varia); Culver's Root (Veronicastrum virginicum); Dames Rocket (Hesperis matronalis); Devil's Beggartick (Bidens frondosa); Dutchman's Breeches (Dicentra cucullaria); Field Pennycress (Thlaspi arvense); Field Pepperweed (Lepidium campestre); Flat-top Goldentop (Euthamia graminifolia); Flower Of An Hour

(Hibiscus trionum); Fuller's Teasel (Dipsacus fullonum); Garden Yellowrocket (Barbarea vulgaris); Greater Burdock (Arctium lappa); Ground Ivy (Glechoma hederacea); Indianhemp (Apocynum cannabinum); Joe Pye Weed (Eutrochium purpureum); Lateflowering Thoroughwort (Eupatorium serotinum); Lesser Burdock (Arctium minus); Marsh Blue Violet (Viola cucullata); Musk Mallow (Malva moschata); Narrowleaf Mountainmint (Pycnanthemum tenuifolium); Narrowleaf Plantain (Plantago lanceolata); New England Aster (Symphyotrichum novae-angliae); Nodding Beggartick (Bidens cernua); Nodding Plumeless Thistle (Carduus nutans); Norwegian Cinquefoil (Potentilla norvegica); Oxeye Daisy (Leucanthemum vulgare); Pennsylvania Smartweed (Polygonum pensylvanicum); Prickly Fanpetals (Sida spinosa); Prickly Lettuce (Lactuca serriola); Purple Loosestrife (Lythrum salicaria); Red Clover (Trifolium pratense); Rocket Larkspur (Consolida ajacis); Spanish Needles (Bidens bipinnata); Stinking Chamomile (Anthemis cotula); Sulphur Cinquefoil (Potentilla recta); Swamp Milkweed (Asclepias incarnata); Swamp Verbena (Verbena hastata); Virginia Springbeauty (Claytonia virginica); Virginia Strawberry (Fragaria virginiana); Watercress (Nasturtium officinale); White Clover (Trifolium repens); White Vervain (Verbena urticifolia); Wild Mint (Mentha arvensis); Yellow Giant Hyssop (Agastache nepetoides)

Saturniidae (3 species)

Antheraea polyphemus (Polyphemus Moth)

Identified and First Noted By: N. Ritter

Year Observed: 2019

Callosamia promethea (Promethea Silkmoth)

Identified By: G. Hertel; First Noted By: K. McMillen

Year Observed: 2012 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Citheronia regalis (Regal Moth)

Identified and First Noted By: G. Hertel

Year Observed: 2014 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020) **PA Natural Heritage List:** Conservation status: SU (Status Unknown)

Sphingidae (1 species)

Eumorpha pandorus (Pandora Sphinx Moth)

Identified and First Noted By: M. Beatty

Year Observed: 2018 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Mantodea

Mantidae (1 species)

Tenodera sinensis (Chinese Mantid)

Identified and First Noted By: N. Ritter; Also Noted By: A. Rivellini

Years Observed: 2015; 2016; 2017; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Megaloptera

Sialidae (1 species)

Sialis Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Order Neuroptera

Chrysopidae (1 species)

Leucochrysa pavida (Lichen-carrying Green Lacewing)

Identified By: Jonathan Hoskins (iNaturalist); First Noted By: W. Ricci; Also Noted By: A. Rivellini

Years Observed: 2013; 2019

Order Odonata

Calopterygidae (1 species)

Calopteryx maculata (Ebony Jewelwing)

Identified and First Noted By: N. Ritter

Years Observed: 2018; 2020

Conservation Status

IUCN: Redlist Global Status: Least Concern; Global Population: Stable

Gomphidae (1 species)

Gomphidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Libellulidae (1 species)

Libellula luctuosa (Widow Skimmer)

Identified and First Noted By: G. Hertel

Year Observed: 2012

Order Orthoptera

Rhaphidophoridae (1 species)

Tachycines asynamorus (Camel Cricket)

Identified and First Noted By: N. Ritter

Tettigoniidae (1 species)

Conocephalus brevipennis (Short-winged Meadow Katydid)

Identified By: Brandon Woo (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Order Plecoptera

Family Unknown

Capniidae/Leuctridae (Stonefly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Perlidae/Perlodidae (Stonefly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Plecoptera Indet. #1 (Stonefly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Nemouridae (4 species)

Amphinemura Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Amphinemura delosa (Eastern Forestfly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Nemouridae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Prostoia Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Perlidae (2 species)

Eccoptura Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Eccoptura xanthenes (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Thysanoptera

Phlaeothripidae (1 species)

Phlaeothripidae Indet. #1 (Tube-tailed Thrip)

Identified By: Michael Pirrello (iNaturalist); First Noted By: A. Rivellini; Also Noted By: N. Ritter

Year Observed: 2019

Order Trichoptera

Family Unknown

Trichoptera Indet. #1 (Caddisfly)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Glossosomatidae (1 species)

Glossosomatidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Hydropsychidae (8 species)

Cheumatopsyche Indet. #1

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Diplectrona Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Diplectrona modesta (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hydropsyche Indet. #1

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Hydropsyche betteni (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hydropsyche slossonae (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hydropsyche sparna (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Hydropsychidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Hydroptilidae (1 species)

Hydroptilidae Indet. #1 (Microcaddisfly)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Limnephilidae (1 species)

Pycnopsyche Indet. #1

Identified and First Noted By: D. DiFederico

Philopotamidae (4 species)

Chimarra Indet. #1

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Chimarra aterrima (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Dolophilodes Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Philopotamidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Rhyacophilidae (1 species)

Rhyacophila Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Thremmatidae (2 species)

Neophylax Indet. #1

Identified and First Noted By: D. DiFederico

Year Observed: 2007

Neophylax oligius (No Common Name)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017
Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Springtails

Order Entomobryomorpha

Entomobryidae (1 species)

Entomobrya atrocincta (Slender Springtail)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Tomoceridae (1 species)

Tomoceridae Indet. #1 (Elongate-bodied Springtails)

Identified and First Noted By: N. Ritter

Arthropods

Order Araneae

Agelenidae (1 species)

Agelenidae Indet. #1 (Funnel Weaver)

Identified By: chuuuuung (iNaturalist); First Noted By: P. Vermeulen

Year Observed: 2018

Anyphaenidae (1 species)

Anyphaenidae Indet. #1 (Ghost Spider)

Identified and First Noted By: K. Johnson

Year Observed: 2020

Araneidae (4 species)

Araneus diadematus (Cross Orbweaver)

Identified By: P. Vermeulen; First Noted By: N. Ritter

Year Observed: 2018 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Araneus marmoreus (Marbled Orbweaver)

Identified and First Noted By: P. Vermeulen; Also Noted By: S. Bernasconi

Year Observed: 2018 Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Micrathena gracilis (Spined Micrathena)

Identified and First Noted By: P. Vermeulen; Also Noted By: N. Ritter

Years Observed: 2018; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Neoscona crucifera (Hentz Orbweaver)

Identified and First Noted By: P. Vermeulen

Year Observed: 2018 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Linyphiidae (1 species)

Frontinella pyramitela (Bowl-and-doily Spider)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Lycosidae (2 species)

Schizocosa Indet. #1 (Brush Legged Spider)

Identified By: chuuuuung (iNaturalist); First Noted By: N. Ritter

Year Observed: 2020

Tigrosa helluo (Wetland Giant Wolf Spider)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Pisauridae (3 species)

Dolomedes albineus (White-banded Fishing Spider)

Identified and First Noted By: N. Ritter

Year Observed: 2020 Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Dolomedes tenebrosus (Dark Fishing Spider)

Identified By: chuuuuung (from photo on iNaturalist); First Noted By: P. Vermeulen; Also Noted By: N. Ritter

Years Observed: 2018; 2020

Pisaurina mira (American Nursery Web Spider)

Identified By: N. Ritter; First Noted By: P. Vermeulen

Year Observed: 2018

Tetragnathidae (1 species)

Leucauge venusta (Orchard Orbweaver)

Identified and First Noted By: P. Vermeulen; Also Noted By: N. Ritter

Years Observed: 2018; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Theridiidae (1 species)

Enoplognatha ovata (Common Candy-striped Spider)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Order Endeostigmata

Eriophyidae (1 species)

Aceria negundi (Box Elder Pouch Gall Mite)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Order Geophilomorpha

Family Unknown

Geophilomorpha Indet. #1 (Soil Centipede)

Identified By: H. Hernandez (iNaturalist); First Noted By: M. Valles

Year Observed: 2020

Geophilidae (1 species)

Strigamia bothriopus (Soil Centipede)

Identified By: N. Ritter; First Noted By: C. Kraynak; Also Noted By: N. Ritter

Years Observed: 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Order Ixodida

Ixodidae (2 species)

Dermacentor variabilis (American Dog Tick)

Identified and First Noted By: N. Ritter; Also Noted By: M. Beatty; P. Vermeulen; A. Rivellini; B. Flamm

Years Observed: 2014; 2016; 2017; 2018; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Ixodes scapularis (Deer Tick)

Identified and First Noted By: N. Ritter Years Observed: 2016; 2017; 2018; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Julida

Julidae (1 species)

Cylindroiulus Indet. #1

Identified and First Noted By: N. Ritter

Year Observed: 2020

Order Opiliones

Sclerosomatidae (2 species)

Gagrella splendens (Harvestman)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Leiobunum vittatum Group (Eastern Harvestman)

Identified and First Noted By: N. Ritter; Also Noted By: dsnaturalist21 (iNaturalist)

Years Observed: 2018; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Polydesmida

Family Unknown

Polydesmida Indet. #1 (Flat-backed Millipedes)

Identified and First Noted By: N. Ritter

Years Observed: 2019; 2020

Xystodesmidae (1 species)

Apheloria virginiensis (Black and Gold Flat Millipede)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: K. McMillin; P. Vermeulen; M. Beatty; J. Kline; A. Rivellini; N. Long; N. Ritter

Years Observed: 2013; 2014; 2016; 2017; 2018; 2019

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Order Trombidiformes

Erythraeidae (1 species)

Callidosoma Indet. #1 (Long-legged Mite)

Identified and First Noted By: N. Ritter

Year Observed: 2020

Trombidiaceae (1 species)

Trombidium Indet. #1 (Red Velvet Mite)

Identified and First Noted By: N. Ritter; Also Noted By: P. Vermeulen

Years Observed: 2018; 2019; 2020

Order Unknown

Family Unknown

Acari Indet. #1 (Mite)

Identified and First Noted By: Stroud Water Research Center

Scutigerellidae (1 species)

Hanseniella Indet. #1 (No Common Name)

Identified By: Nikola Szucsich (iNaturalist); First Noted By: N. Ritter & A. Rivellini

Crustaceans

Order Amphipoda

Family Unknown

Amphipoda Indet. #1 (Amphipod)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Order Decapoda

Cambaridae (3 species)

Cambarus Indet. #1 (Cambarus Crayfish)

Identified By: Stroud Water Research Center; First Noted By: G. Hertel; Also Noted By: Stroud Water Research Center

Years Observed: 2013; 2018; 2019

Cambarus acuminatus (Acuminate Crayfish)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2019 Conservation Status

IUCN: Redlist Global Status: Least Concern; Global Population: Unkown **PA Natural Heritage List:** Conservation status: S1 (Critically Imperiled)

Orconectes Indet. #1 (Orco Crayfish)

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2018

Order Isopoda

Oniscidae (1 species)

Oniscus Indet. #1 (Sowbug)

Identified and First Noted By: N. Ritter

Year Observed: 2018

Trachelipodidae (1 species)

Trachelipus rathkii (Rathke's Woodlouse)

Identified By: Mark Apgar (inaturalist); First Noted By: N. Ritter

Gastropods

Order Stylommatophora

Philomycidae (1 species)

Megapallifera mutabilis (Changeable Mantleslug)

Identified and First Noted By: N. Ritter; Also Noted By: P. Vermeulen; dsnaturalist21 (iNaturalist)

Year Observed: 2020 Conservation Status

PA Natural Heritage List: Conservation status: S3 (Vulnerable)

Polygyridae (1 species)

Neohelix albolabris (Eastern Whitelip)

Identified and First Noted By: N. Ritter

Year Observed: 2018

Polygyridae Subfamily Triodopsinae (1 species)

Polygyridae Subfamily Triodopsinae Indet. #1 (Triodopsine Snails)

Identified By: T. Pearce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2018

Succineidae (1 species)

Succineidae Indet. #1 (Amber Snails)

Identified and First Noted By: N. Ritter

Zonitidae (1 species)

Ventridens ligera (Globose Dome Snail)

Identified By: T. Pearce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2018

Order Unknown

Arionidae (4 species)

Arion hortensis (Garden Slug)

Identified and First Noted By: N. Ritter

Year Observed: 2018 **Conservation Status**

IUCN: Species has not been reviewed (Website checked:7/28/2020)

Arion subgenus Mesarion Indet. #1 (Dusky Slug)

Identified By: T. Pearce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2018

Arion subgenus Mesarion Indet. #2 (Dusky Slug)

Identified By: T. Pearce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2018

Arion Subgenus Mesarion Indet. #3 (Dusky Slug)

Identified By: T. Pearce (iNaturalist); First Noted By: N. Ritter

Year Observed: 2018

Family Unknown

Gastropoda Indet. #1 (Snail)

Identified and First Noted By: Stroud Water Research Center

Limacidae (1 species)

Limax maximus (Leopard Slug)

Identified By: N. Ritter; First Noted By: G. Hertel; Also Noted By: P. Vermeulen; M. Beatty; A. Rivellini; N. Ritter

Years Observed: 2011; 2018; 2019

Conservation Status

IUCN: Redlist Global Status: Least Concern; Global Population: Stable

Order Unranked

Pleuroceridae (1 species)

Pleuroceridae Indet. #1 (Pleurocerid Snail)

Identified and First Noted By: N. Ritter

Flatworms

Order Tricladida

Geoplanidae (1 species)

Bipalium pennsylvanicum (Broadhead Flatworm)

Identified By: A. Hodowanec; First Noted By: N. Ritter; Also Noted By: A. Rivellini; P. Vermeulen; N. Ritter

Years Observed: 2017; 2019; 2020

Conservation Status

IUCN: Species has not been reviewed (Website checked:2/10/2020)

Planariidae (1 species)

Planariidae Indet. #1

Identified and First Noted By: Stroud Water Research Center

Year Observed: 2017

Order Unknown

Family Unknown

Turbellaria Indet. #1 (Flatworm)

Identified and First Noted By: D. DiFederico

Worms

Order Haplotaxida

Megascolecidae (1 species)

Amynthas agrestis (Crazy Snake Worm)

Identified and First Noted By: N. Ritter

Year Observed: 2018
Conservation Status

IUCN: Redlist Global Status: Least Concern; Global Population: Stable

Order Unknown

Family Unknown

Oligochaeta Indet. #1 (Worm)

Identified and First Noted By: D. DiFederico; Also Noted By: Stroud Water Research Center - 2017

Years Observed: 2007; 2017

Ribbon Worms

Order Unknown

Family Unknown

Nemertea Indet. #1 (Ribbon Worm)

Identified and First Noted By: Stroud Water Research Center

References

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[PNHP] Pennsylvania Natural Heritage Program. 2020. Pennsylvania Natural Heritage Species and Natural Features List (http://www.naturalheritage.state.pa.us/SpeciesFeatures.aspx); Date accessed: 3/27/2020.

[USGS/CPC] United States Geological Survey/Center for Plant Conservation. 2020. USGS/CPC Pollinator Database. https://www.npwrc.usgs.gov/pollinator/Downloads. Data downloaded: 9/18/2020.

Metadata

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