

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Mammals	Mammals (Terrestrial)	☑	<i>Condylura cristata parva</i>		Southeastern star-nosed mole			G5T4	SU					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Mammals	Mammals (Terrestrial)	☑	<i>Glaucomys sabrinus fuscus</i>		Virginia northern flying squirrel			G5T2T3	SNA					RSGCN	Was a data deficient SGCN in previous SWAP. Not yet proven to have a presence in MD.
Mammals	Mammals (Terrestrial)	☐	<i>Mustela richardsonii</i>	<i>Mustela erminea richardsonii</i>	American ermine	Short-tailed weasel, Ermine		G5	SNA					N/A	Although it was last recorded in MD more than 50 years ago, we are trying to determine if it is still extant in western parts of the state and may turn up proof through ongoing camera monitoring.
Mammals	Mammals (Terrestrial)	☐	<i>Neogale frenata</i>	<i>Mustela frenata</i>	Long-tailed weasel			G5	S5			LC		N/A	Data deficiency, rangewide indication of long-term declines.
Mammals	Mammals (Terrestrial)	☑	<i>Reithrodontomys humulis</i>		Eastern harvest mouse			G5	SH		X	LC		N/A	Possibly extirpated; need to know more about population.
Mammals	Mammals (Terrestrial)	☐	<i>Sciurus niger vulpinus</i>		Eastern fox squirrel			G5T4T5	SNR					RSGCN	Data deficiency, genetic introgression by western fox squirrel subspecies. Not ranked in MD, but has a rank of S2 in PA.
Mammals	Mammals (Bats)	☐	<i>Corynorhinus townsendii virginianus</i>		Virginia big-eared bat			G4T3	SNR	LE				RSGCN	Recent acoustic records from Western MD. Work needs to be done to assess distribution and status. Federally endangered subspecies.
Mammals	Mammals (Bats)	☐	<i>Lastiurus intermedius</i>	<i>Dasypiterus intermedius</i>	Northern yellow bat			G5	SNR			LC		N/A	Recent acoustic records in MD.
Mammals	Mammals (Bats)	☑	<i>Lastiurus seminolus</i>		Seminole bat			G5	SNA			LC		RAPS	Was a data deficient SGCN in previous SWAP. Only recently documented at a MD wind farm.
Mammals	Mammals (Bats)	☑	<i>Myotis austroriparius</i>		Southeastern bat	Southeastern myotis		G4	SNA			LC		RAPS	Was a data deficient SGCN in previous SWAP. Not yet proven to have a presence in MD, but a military instillation in Southern MD reported suspected calls from this species during a recent acoustic survey.
Mammals	Mammals (Bats)	☑	<i>Nycticeius humeralis</i>		Evening bat			G5	SUB, SUN			LC		N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Mammals	Mammals (Bats)	☐	<i>Tadarida brasiliensis</i>		Mexican free-tailed bat	Brazilian free-tailed bat		G5	SNR			LC		N/A	Recent acoustic records in MD.
Mammals	Mammals (Marine)	☐	<i>Delphinus delphis</i>		Short-beaked common dolphin			G5	SNA			LC	2	N/A	Increased sightings in MD over the past 10 years. NOAA stock assessment 2023 indicates not enough data for population trend estimate.
Mammals	Mammals (Marine)	☐	<i>Halichoerus grypus</i>		Gray seal			G5	SNA			LC		N/A	Commonly stranded species in more populated areas of coastal MD. Population seems to be doing well, but want to keep an eye on.
Mammals	Mammals (Marine)	☐	<i>Pagophilus groenlandicus</i>	<i>Pagophilus groenlandica</i> , <i>Phoca groenlandica</i>	Harp seal			G5	SNA			NT		N/A	Commonly stranded species in more populated areas of coastal MD. Likely at the southern edge of its range in MD.
Mammals	Mammals (Marine)	☐	<i>Phoca vitulina</i>		Harbor seal			G5	SNA			LC		N/A	Commonly stranded species in more populated areas of coastal MD. Do not have a good grasp of population trends.
Birds	Birds	☑	<i>Oxyura jamaicensis</i>		Ruddy duck			G5	S3N			LC		N/A	Responsibility as an overwintering species in MD and improvements in monitoring methods are needed.

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Birds	Birds	☐	<i>Calonectris diomedea</i>		Scopoli's shearwater			GNR	SNR			LC		N/A	Previously considered a subspecies of Cory's shearwater; recently split into its own species.
Birds	Birds	☐	<i>Oporornis agilis</i>		Connecticut warbler			G4G5	S3M			LC		N/A	May have a global responsibility for fall migrants, but do not yet know enough about presence in MD to create targeted threats and actions.
Birds	Birds	☒	<i>Setophaga virens waynei</i>	<i>Dendroica virens waynei</i>	Wayne's black-throated green warbler	Wayne's warbler, Black-throated green warbler		G5T1	SUB					N/A	Was a data deficient SGCN in previous SWAP. Ranked SU in MD due to lack of information or substantially conflicting information about status or trends. Main need is related to research needs.
Birds	Birds	☐	<i>Pandion haliaetus</i>		Osprey			G5	S4B			LC		N/A	Currently undergoing a reproduction crisis and is in need of additional research to determine extent, exact causes, etc.
Herps	Herps (Amphibians)	☒	<i>Eurycea cirrigera</i>		Southern two-lined salamander			G5	SU			LC		N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Herps	Herps (Amphibians)	☐	<i>Eurycea guttolineata</i>		Three-lined salamander			G5	SNR			LC		N/A	Added to SAPS list due to an old, undocumented report of this species being found in MD that deserves some follow-up survey work
Herps	Herps (Amphibians)	☒	<i>Lithobates kauffeldi</i>		Atlantic coast leopard frog	Mid-Atlantic coast leopard frog		G3G4	SU			LC		RSGCN	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Herps	Herps (Amphibians)	☒	<i>Siren sp. 1</i>		Undetermined siren			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Herps	Herps (Sea Turtles)	☒	<i>Eretmochelys imbricata</i>		Atlantic hawksbill sea turtle			G3	SNA	LE	E	CR	1	RAPS	Was a data deficient SGCN in previous SWAP. Reported from MD as a non-breeding species, but with poor or insufficient documentation. Range tends to be south of MD.
Fish	Fish (Freshwater)	☐	<i>Aphredoderus ornatus</i>		Blackstripe pirate perch			GNR	SNR					N/A	Newly described, recently split from the more common pirate perch. Occurs in a portion of the Potomac River in MD, although unsure of current distribution or status.
Fish	Fish (Freshwater)	☐	<i>Carpiodes cyprinus</i>		Quillback			G5	S4?			LC		N/A	Do not have a lot of data on this species, possibly due to sampling issues (its habitat straddles fresh and tidal).
Fish	Fish (Freshwater)	☐	<i>Esox americanus vermiculatus</i>		Grass pickerel			G5T5	SNR					N/A	Subspecies of redbfin pickerel. Want to figure out genetics of population in Western MD.
Fish	Fish (Freshwater)	☐	<i>Moxostoma macrolepidotum</i>		Shorthead redhorse			G5	S4			LC		N/A	Potomac River population affected by blue catfish invasion. Do not have a lot of data on this species, possibly due to sampling issues (its habitat straddles fresh and tidal).
Fish	Fish (Freshwater) AND Fish (Bay/Ocean)	☒	<i>Amia calva</i>		Bowfin			G5	SNA			LC		N/A	Data deficient species in MD. Genetic work also needed. Nativity questions for some populations.
Fish	Fish (Freshwater) AND Fish (Bay/Ocean)	☒	<i>Fundulus luciae</i>		Spotfin killifish			G4	S3			LC		N/A	Data deficient species in MD. Habitat lies between commonly surveyed areas, so has likely been overlooked. Believe to be more common than records indicate.

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Fish	Fish (Freshwater) AND Fish (Bay/Ocean)	☐	<i>Lepisosteus osseus</i>		Longnose gar			G5	S4			LC		N/A	Main needs are related to research. Especially interested in learning more about population distribution and possible decline. Threatened by bowfishing.
Fish	Fish (Bay/Ocean)	☐	<i>Alopias superciliosus</i>		Bigeye thresher			G3	SNR			VU	2	N/A	Data deficient species. On the NOAA & ASMFC prohibited species lists. MD within its range, though do not have many (any?) records, as it tends to be found far offshore. IUCN listed as Vulnerable (VU).
Fish	Fish (Bay/Ocean)	☐	<i>Apeltes quadracus</i>		Fourspine stickleback			G5	S4			LC		N/A	Data deficient species in MD. Habitat lies between commonly surveyed areas, so has likely been overlooked. Believe to be more common than records indicate.
Fish	Fish (Bay/Ocean)	☐	<i>Carcharhinus leuca</i>		Bull shark			G5	SNR			VU	2	N/A	Considered a data poor species by NOAA. On list of allowable recreational fishing in MD (one per day). Caught in commercial and recreational fisheries on the ocean, coastal bays, and the Chesapeake Bay and its tidal tributaries.
Fish	Fish (Bay/Ocean)	☐	<i>Gasterosteus aculeatus</i>		Threespine stickleback			G5	S4			LC		N/A	Know it's the least common stickleback in MD, but likely partially be due to data deficiency. Habitat lies between commonly surveyed areas, so has likely been overlooked. Believe to be more common than records indicate.
Fish	Fish (Bay/Ocean)	☐	<i>Gymnura altavela</i>		Spiny butterfly ray			GNR	SNR			EN		N/A	Data deficient species that was occasionally caught during a recent trawl survey.
Fish	Fish (Bay/Ocean)	☐	<i>Gymnura lessae</i>		Atlantic butterfly ray			GNR	SNR			LC		N/A	Data deficient species in MD. Have a handful of records.
Fish	Fish (Bay/Ocean)	☐	<i>Hippocampus erectus</i>		Lined seahorse	Northern seahorse		GNR	SNR			VU	2	RAPS	Have some recent records in iNaturalist in MD, though not many. Likely more abundant than records show, given its small size and SAV habitat (i.e., it can be hard to survey for). When seen, seems to be locally abundant in SAV beds in higher salinity portions of the Chesapeake Bay up to the Bay Bridge and throughout the MD coastal bays. Would like more data on this species.
Fish	Fish (Bay/Ocean)	☐	<i>Isurus oxyrinchus</i>		Shortfin mako			GNR	SNR			EN	2	RSGCN	Data deficient species; lots of uncertainty in the most recent assessment (2019) and more life history information is needed. Caught in federal waters off of Maryland. Recreational fishing currently limited to one per day in MD. IUCN listed as Vulnerable (VU).
Inverts	Inverts (Crayfish)	☐	<i>Cambarus dubius</i>		Upland burrowing crayfish			GNR	S3S4					N/A	Burrowing crayfish that's difficult to survey; need to put more effort/funds into data collection.
Inverts	Inverts (Crayfish)	☒	<i>Creaserinus uhleri</i>	<i>Creaserinus fodiens</i> , <i>Fallicambarus fodiens</i>	Mid-Atlantic digger crayfish	Digger crayfish	Fallicambarus fodiens and digger crayfish in 2015 SWAP.	G5	S4			LC		RSGCN	Was a data deficient SGCN in previous SWAP. Burrowing crayfish that's difficult to survey; need to put more effort/funds into data collection.

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Inverts	Inverts (Freshwater Mussels)	☑	<i>Elliptio producta</i>		Atlantic spike		May be synonymized with <i>Elliptio fisheriana</i> in the near future.	G3	S2S3		I	LC		RAPS	Now believed that " <i>Elliptio producta</i> " is actually <i>Elliptio fisheriana</i> ; prior recognition as two species in MD was not based on morphological or genetic data and taxonomic relationships within the genus were muddled by numerous synonyms. Considerable evidence indicates that <i>Elliptio producta</i> and <i>Elliptio fisheriana</i> are the same species.
Inverts	Inverts (Snails)	☑	<i>Glyphyalinia picea</i>		Rust glyph			G3	SU					RSGCN	Lack of information on the status of this species in MD. Found one broken shell from this species during 2025 survey.
Inverts	Inverts (Snails)	☑	<i>Glyphyalinia raderi</i>		Maryland glyph			G2	SH		X			RAPS	Maryland Biodiversity Project has one record, but there are no other recent records in MD.
Inverts	Inverts (Snails)	☐	<i>Lobosculum pustuloides</i>		Tiny liptooth			G4	SNR					N/A	Found during surveys in Prince George's County in the early 2000s, but not since then. Additional survey work needed.
Inverts	Inverts (Snails)	☑	<i>Oxyloma effusum</i>	<i>Oxyloma salleanum</i>	Coastal-plain ambersnail			G3	SNR					N/A	Taxonomic uncertainty and very limited records in state.
Inverts	Inverts (Snails)	☑	<i>Stenotrema simile</i>		Bear creek slitmouth			G2G3	SU					RSGCN	No records in MD since the 1970s. However, there are recent records in WV from three counties that border MD's westernmost county (Garrett).
Inverts	Inverts (Snails)	☐	<i>Vertigo cristata</i>		Crested vertigo snail			G5	SNR					N/A	Found four in Garrett County during 2025 surveys. Listed as S1 in WV and S3 in PA. New species for MD state list.
Inverts	Inverts (Snails)	☑	<i>Vertigo ventricosa</i>		Five-tooth vertigo	Cylindrically-ornate wood snail	Cylindrically-ornate wood snail in 2015 SWAP.	G5	SU					RAPS	Maryland Biodiversity Project has one record, but there are no other records in MD.
Inverts	Inverts (Butterflies)	☐	<i>Amblyscirtes vialis</i>		Common roadside-skipper			G5	S4					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☑	<i>Anatrytone logan</i>		Delaware skipper			G5	S3					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☑	<i>Atrytonopsis hianna</i>		Dusted skipper			G4G5	S4					RAPS	Possibly needs lower rank.
Inverts	Inverts (Butterflies)	☐	<i>Callophrys augustinus</i>	<i>Incisalia augustinus</i>	Brown elfin			G5	S4					N/A	Likely needs lower rank.
Inverts	Inverts (Butterflies)	☐	<i>Cecropterus lyciades</i>	<i>Thorybes lyciades</i>	Hoary edge		Thorybes lyciade in 2015 SWAP.	G5	S5					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☐	<i>Celastrina idella</i>		American holly azure			G4G5	SNR					N/A	Azures in general need work.
Inverts	Inverts (Butterflies)	☐	<i>Celastrina ladon</i>		Spring azure			G4G5	S5					N/A	Azures in general need work.
Inverts	Inverts (Butterflies)	☐	<i>Celastrina lucia</i>		Northern azure			G5						N/A	Azures in general need work.
Inverts	Inverts (Butterflies)	☐	<i>Celastrina neglecta</i>		Summer azure			G5	SNR					N/A	Azures in general need work.
Inverts	Inverts (Butterflies)	☑	<i>Celastrina neglectamajor</i>		Appalachian blue	Appalachian azure		G3?	S3S4					RAPS	More info/surveys needed.
Inverts	Inverts (Butterflies)	☐	<i>Celastrina serotina</i>		Cherry gall azure			G5	SNR					N/A	Azures in general need work.
Inverts	Inverts (Butterflies)	☐	<i>Coenonympha californica</i>	<i>Coenonympha tullia</i>	Common ringlet			G5	SU					N/A	These likely have come from the introduced WV population.
Inverts	Inverts (Butterflies)	☑	<i>Colias interior</i>		Pink-edged sulphur			G5	SH					RAPS	Currently extirpated but WV has recent records.

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Inverts	Inverts (Butterflies)	☑	<i>Danaus plexippus</i>	<i>Papilio plexippus</i>	Monarch			G4	S5			LC		RSGCN	Need more information regarding breeding vs non-breeding population in MD. Know the breeding population is stable, but there is some concern about the migration pathway along the Chesapeake. Going to rerank this species in MD to have separate non-breeding and breeding population ranks.
Inverts	Inverts (Butterflies)	☑	<i>Erora laeta</i>	<i>Thecla laeta</i>	Early hairstreak			G2G3	S1		E			RSGCN	Difficult to survey for. Is beech host plant under threat?
Inverts	Inverts (Butterflies)	☑	<i>Euphyes dion</i>	<i>Euphyes alabamae</i> , <i>Euphyes macguirei</i> , <i>Pamphila dion</i>	Dion skipper			G5	S3					N/A	ID difficulty.
Inverts	Inverts (Butterflies)	☐	<i>Feniseca tarquinius</i>		Harvester			G5	S4					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☑	<i>Heraclides cresphontes</i>	<i>Papilio cresphontes</i>	Giant swallowtail		Papilio cresphonte in 2015 SWAP.	G5	S2		I	LC		N/A	After moving onto bladdernut as host plant, much more common. Delisting possible.
Inverts	Inverts (Butterflies)	☑	<i>Hermeuptychia sosybius</i>		Carolina satyr			G5	S1S3					N/A	Species has been moving north into MD. Do not know enough about to create targeted threats and actions.
Inverts	Inverts (Butterflies)	☐	<i>Panoquina panoquin</i>		Salt marsh skipper			G5	S4					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☐	<i>Phyciodes batesii</i>	<i>Eresia batesii</i>	Tawny crescent			G3G4	SH		X			N/A	ID difficulty -- was it ever in MD in the first place?
Inverts	Inverts (Butterflies)	☑	<i>Phyciodes cocyta</i>		Northern crescent			G5	SU					N/A	Was a data deficient SGCN in previous SWAP. ID difficulty.
Inverts	Inverts (Butterflies)	☐	<i>Poanes aaroni</i>		Aaron's skipper			G4	S4					N/A	More info/surveys needed.
Inverts	Inverts (Butterflies)	☐	<i>Pontia protodice</i>		Checkered white			G4	S4					RAPS	Uncommon in MD and northern states; S1 in WV, S4 in VA.
Inverts	Inverts (Butterflies)	☐	<i>Speyeria idalia</i>	<i>Argynnis idalia</i> , <i>Papilio idalia</i>	Regal fritillary			G3?	SH	PE	X	VU		RSGCN	Extirpated but possibility for reintroduction from Indiantown Gap.
Inverts	Inverts (Butterflies)	☐	<i>Staphylus hayhurstii</i>		Hayhurst's scallopwing			G5	S4					N/A	Main needs related to research.
Inverts	Inverts (Moths)	☐	<i>Abagrotis anchocelioides</i>	<i>Cerastis anchocelioides</i> , <i>Rhynchagrotis anchocelioides</i>	Blueberry budworm moth			G4	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Abrostola ovalis</i>		Oval abrostola moth			G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Abrostola urentis</i>		Spectacled nettle moth	Variegated brindle moth		G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Acasis viridata</i>	<i>Lobophora viridata</i>	Olive-and-black carpet moth			G5	SNR					N/A	Pre-2000 records, but one recent record from Western MD.
Inverts	Inverts (Moths)	☐	<i>Acronicta connecta</i>	<i>Acronycta connecta</i>	Connected dagger moth			GNR	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Acronicta dolli</i>	<i>Merolonche dolli</i> , <i>Acronycta dolli</i>	Doll's dagger moth	Doll's merolonche moth		G3G4	SNR					RSGCN	No records in MD, but records nearby.
Inverts	Inverts (Moths)	☐	<i>Acronicta hastulifera</i>	<i>Phalaena hastulifera</i> , <i>Acronycta hastulifera</i>	Frosted dagger moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Acronicta heitzmani</i>	<i>Acronycta heitzmani</i>	Heitzman's dagger moth			GNR	SNR					N/A	Scattered recent records.

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Inverts	Inverts (Moths)	☐	<i>Acronicta impressa</i>	<i>Acronicta distans</i> , <i>Acronycta impressa</i>	Impressed dagger moth	Printed dagger moth, willow dagger moth		G5	SNR					N/A	Recent records in Western MD
Inverts	Inverts (Moths)	☐	<i>Acronicta innotata</i>	<i>Acronycta innotata</i>	Unmarked dagger moth	Birch dagger moth		G5	SNR					N/A	Rediscovered in Western MD in 2020.
Inverts	Inverts (Moths)	☐	<i>Acronicta insita</i>	<i>Acronicta dactylina</i> , <i>Acronycta insita</i>	Large gray dagger moth			G5	SNR					N/A	Typically northern species found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Acronicta lepusculina</i>	<i>Acronicta populi</i> , <i>Acronycta lepusculina</i>	Cottonwood dagger moth			G5	SNR					N/A	Typically northern species found in Western MD in 2022 and 2023.
Inverts	Inverts (Moths)	☐	<i>Acronicta noctivaga</i>	<i>Acronycta noctivaga</i>	Night-wandering dagger moth			G5	SNR					N/A	Only two records in the same MD county since 2000.
Inverts	Inverts (Moths)	☐	<i>Acronicta superans</i>	<i>Acronycta superans</i>	Splendid dagger moth			G5	SNR					N/A	Only records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Acronicta vinnula</i>	<i>Microcoelia vinnula</i> , <i>Acronycta vinnula</i>	Delightful dagger moth			G5	SNR					N/A	Scattered recent records. Seems to have once been more common.
Inverts	Inverts (Moths)	☐	<i>Agrotis vetusta</i>	<i>Mythimna vetusta</i>	Old man dart moth			G5	SNR					N/A	Scattered records near Assateague. Little info on hostplants.
Inverts	Inverts (Moths)	☒	<i>Amolita roseola</i>		A noctuid moth	Roseate grass moth		G5	SNR					N/A	Was a data deficient SGCN in previous SWAP. Only historic records in MD, but recent record in NJ.
Inverts	Inverts (Moths)	☐	<i>Apamea amputatrix</i>	<i>Hadena amputatrix</i>	Yellow-headed cutworm moth			G5	SNR					N/A	Rediscovered in Western MD in 2020.
Inverts	Inverts (Moths)	☐	<i>Apamea cariosa</i>	<i>Xylophasia cariosa</i>	Nondescript dagger moth	A noctuid moth		G4	SNR					N/A	Rediscovered in Western MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Apamea dubitans</i>	<i>Mamestra dubitans</i>	Doubtful apamea moth			G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Apamea helva</i>	<i>Agroperina helva</i> , <i>Orthosia helva</i>	Yellow three-spot moth			G5	SNR					N/A	Recent record in Western MD.
Inverts	Inverts (Moths)	☐	<i>Apamea nigrior</i>	<i>Xylophasia nigrior</i>	Black-dashed apamea moth			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Apamea plutonia</i>	<i>Hadena plutonia</i>	Dusky apamea moth	Dusky quaker moth		G5	SU					N/A	Historic records in Western MD, but recent find over PA border.
Inverts	Inverts (Moths)	☐	<i>Apamea sordens</i>	<i>Phalaena sordens</i>	Rustic shoulder-knot moth	Pale-banded quaker moth, Bordered apamea moth		G5	SNR					N/A	Mostly historic records with some recent records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Apamea verbascoides</i>	<i>Xylophasia verbascoides</i>	Mullein apamea moth	Verbascoides apamea moth, boreal apamea moth		G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Apamea vultuosa</i>	<i>Hadena vultuosa</i>	Airy apamea moth			G5	SNR					N/A	Mostly historic records with some recent records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Apantesis arge</i>	<i>Grammia arge</i>	Arge moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Apantesis phyllira</i>	<i>Grammia oithona</i> , <i>Grammia phyllira</i>	Phyllira tiger moth			G3G5	SNR					N/A	Rare on Coastal Plain, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Argyrogramma verruca</i>	<i>Noctua verruca</i>	Golden looper moth			G5	SNR					N/A	Few records in MD, but may be because it is easily confused with soybean looper.
Inverts	Inverts (Moths)	☐	<i>Argyrostromis anilis</i>	<i>Phalaena anilis</i>	Short-lined chocolate moth			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Autographa ampla</i>	<i>Plusia ampla</i>	Large looper moth	Broken-banded Y moth, brown-patched looper moth, raspberry looper moth		G5	SNR					N/A	Rediscovered in Western MD in 2023.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Moths)	☐	<i>Bagisara rectifascia</i>	<i>Schinia rectifascia</i>	Straight lined mallow moth			G4	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Bellura brehmei</i>	<i>Arzama brehmei</i>	A noctuid moth	A wetland borer moth		GNR	SNR					N/A	Rare on Coastal Plain, but some recent records.
Inverts	Inverts (Moths)	☒	<i>Bellura gortynoides</i>	<i>Arzama gortynoides</i> , <i>Bellura diffusa</i>	White-tailed diver moth			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Rare on Coastal Plain, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Cabera quadrifasciaria</i>	<i>Aspilates quadrifasciaria</i>	Four-lined cream moth			GNR	SNR					N/A	Recent records scattered across Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Cabera variolaria</i>		Vestal moth	Pink-striped willow spanworm		G5	SNR					N/A	Recent records in MD's northern and western counties.
Inverts	Inverts (Moths)	☒	<i>Capis curvata</i>		Curved halter moth			G5	S1S2					N/A	Need to rerank in MD; need more info to truly rank.
Inverts	Inverts (Moths)	☐	<i>Caripeta angustiorata</i>		Brown pine looper moth			G5	SNR					N/A	Only found on pines in Western MD.
Inverts	Inverts (Moths)	☐	<i>Caripeta aretaria</i>	<i>Azelina aretaria</i>	Southern pine looper moth			G4	S4					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala andromedae</i>	<i>Hypogramma andromedae</i>	Andromeda underwing moth			G4	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Catocala angusi</i>		Angus' underwing			G4	SNR					N/A	Scattered recent records from both Western and Southern MD.
Inverts	Inverts (Moths)	☐	<i>Catocala blandula</i>		Charming underwing			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala cara</i>		Darling underwing moth	Bronze underwing moth		G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Catocala carissima</i>		Carissima underwing			G4	SNR					N/A	Eastern MD records in past decade.
Inverts	Inverts (Moths)	☐	<i>Catocala cerogama</i>		Yellow-banded underwing			G5	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Catocala concumbens</i>		Pink underwing moth	Sleepy underwing moth		G5	SNR					N/A	Possible rediscovery in Western MD in 2019.
Inverts	Inverts (Moths)	☐	<i>Catocala connubialis</i>		Connubial underwing			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala crataegi</i>		Hawthorn underwing			G5	SNR					N/A	Rare in Western MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala dejecta</i>		Dejected underwing			G4	SNR					N/A	Two new state records.
Inverts	Inverts (Moths)	☐	<i>Catocala dulciola</i>		Sweet underwing	Quiet underwing		G3G4	SNR					N/A	Rediscovered in Western MD in 2024.
Inverts	Inverts (Moths)	☐	<i>Catocala gracilis</i>		Graceful underwing			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala habilis</i>		Habilis underwing			G5	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Catocala innubens</i>		Betrothed underwing			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala lacrymosa</i>		Tearful underwing			G5	SNR					N/A	Scattered records on Coastal Plain.
Inverts	Inverts (Moths)	☒	<i>Catocala marmorata</i>		Marbled underwing			G3?	SH			NE		RSGCN	Recently rediscovered in Central MD.
Inverts	Inverts (Moths)	☐	<i>Catocala minuta</i>		Little underwing			G5	SNR					N/A	Recent records in Central MD.
Inverts	Inverts (Moths)	☐	<i>Catocala mira</i>		Wonderful underwing			G5	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Catocala nebulosa</i>		Clouded underwing			G5?	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala obscura</i>		Obscure underwing			G4G5	SNR					N/A	Only found in Western MD.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Moths)	☐	<i>Catocala parta</i>		Mother underwing			G5	SNR					N/A	2014 record in Central MD.
Inverts	Inverts (Moths)	☐	<i>Catocala praeclara</i>		Praeclara underwing			G5	SNR					N/A	Historic records in MD, but recent records in surrounding states.
Inverts	Inverts (Moths)	☐	<i>Catocala relicta</i>		White underwing			G5	SNR					N/A	Recent rediscovery in Western MD.
Inverts	Inverts (Moths)	☐	<i>Catocala residua</i>		Residua underwing			G4G5	SNR					N/A	Only found in Western MD, but one possibly erroneous record from Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Catocala robinsonii</i>	<i>Catocala robinsoni</i>	Robinson's underwing			G4?	SNR					N/A	2003 record from Western MD and recent records close by in WV.
Inverts	Inverts (Moths)	☐	<i>Catocala serena</i>		Serene underwing moth			G4G5	SNR					N/A	Hickory feeder. Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Catocala similis</i>		Similar underwing			G5?	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Catocala sordida</i>		Sordid underwing moth	Blueberry underwing moth		G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Catocala ulalume</i>		Ulalume underwing			G4	SNR					N/A	Recent rediscovery in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Catocala unijuga</i>		Once-married underwing			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Cerastis salicarium</i>	<i>Hydraecia salicarium</i> , <i>Metalepsis salicarium</i>	Willow dart moth			G5	SNR					N/A	Common in Western MD; rare elsewhere.
Inverts	Inverts (Moths)	☐	<i>Ceratonia undulosa</i>	<i>Daremma undulosa</i>	Waved sphinx			G4G5	SNR					RAPS	Very common, but an ash feeder.
Inverts	Inverts (Moths)	☐	<i>Cerma cora</i>		Bird dropping moth			G3G4	SNR					RAPS	2025 record from Western MD.
Inverts	Inverts (Moths)	☐	<i>Chaetagnalea rhonda</i>		Trembling sawfly moth	Barrens chaetagnalea		GNR	SNR					N/A	2014 record from Assateague; flies in fall, so could be more.
Inverts	Inverts (Moths)	☐	<i>Cingilia catenaria</i>	<i>Phalaena catenaria</i>	Chain-dotted geometer moth			G5	SNR					N/A	Historic species that was rediscovered in Western MD in 2020.
Inverts	Inverts (Moths)	☐	<i>Cladara atroliturala</i>	<i>Lobophora atroliturala</i>	Scribbler moth			G5	SNR					N/A	Only recently found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Clostera apicalis</i>	<i>Clostera apicalis apicalis</i> , <i>Ichthyura apicalis</i>	Apical prominent moth	Red-marked tentmaker moth		G5	SNR					N/A	Scattered records in MD, but uncommon.
Inverts	Inverts (Moths)	☐	<i>Colobochyla interpuncta</i>	<i>Madopa interpuncta</i>	Yellow-lined owlet moth			G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Condica confederata</i>	<i>Hadena confederata</i>	Confederate moth			G5	SNR					N/A	Seems to be moving north, but only found on Coastal Plain in MD.
Inverts	Inverts (Moths)	☒	<i>Cucullia speyeri</i>		Speyer's hooded owlet moth	Speyer's cucullia moth	Speyer's cucullia moth in 2015 SWAP.	G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Cyclophora myrtaria</i>	<i>Ephyra myrtaria</i>	Waxmyrtle wave moth			G4G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☒	<i>Cyclophora nanaria</i>	<i>Ephyra nanaria</i>	A geometrid moth			G5	SNA					N/A	Was a data deficient SGCN in previous SWAP. Both historic and recent records from Central MD.
Inverts	Inverts (Moths)	☒	<i>Darapsa versicolor</i>	<i>Choerocampa versicolor</i>	Hydrangea sphinx			G4?	SNR					N/A	Was a data deficient SGCN in previous SWAP. Scattered pre-2000 records and one from 2014.
Inverts	Inverts (Moths)	☐	<i>Dargida rubripennis</i>	<i>Faronta rubripennis</i> , <i>Leucania rubripennis</i>	Pink streak moth	The pink streak		G3G4	SNR					N/A	Scattered recent Coastal Plain records.

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Inverts	Inverts (Moths)	☐	<i>Dasychira atrivenosa</i>	<i>Parorgyia atrivenosa</i>	Cypress tussock moth	An erebid moth, A lymantriid moth		G4	SU					N/A	Historic species with a few recent records from Central/Southern MD.
Inverts	Inverts (Moths)	☐	<i>Dasychira dorsipennata</i>	<i>Olene dorsipennata</i>	Sharp-lined tussock moth	Hardwood tussock moth		G4G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Dasychira meridionalis</i>	<i>Olene meridionalis</i>	Southern tussock moth			G4G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Dasychira plagiata</i>	<i>Edema plagiata</i>	Northern pine tussock moth	Northern conifer tussock moth		G5	SNR					N/A	Recent records in Western MD. Feeds on white pine and eastern hemlock.
Inverts	Inverts (Moths)	☐	<i>Dasychira vagans</i>	<i>Olene vagans</i>	Variable tussock moth			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Datana major</i>		Major datana	Azalea caterpillar		G5	SNR					N/A	Scattered records in MD. May be more rare than once thought. Heath feeder.
Inverts	Inverts (Moths)	☐	<i>Diachrysia aereoides</i>	<i>Plusia aereoides</i>	Dark-spotted looper moth	Lined cooper looper moth		G5	SNR					N/A	Rediscovered in Western MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Diachrysia balluca</i>	<i>Plusia balluca</i>	Green-patched looper moth	Large brassy plusia moth		G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Dyspyralis nigellus</i>	<i>Dyspyralis nigella</i> , <i>Epizeuxis nigellus</i>	Slaty dyspyralis moth	An erebid moth		GNR	SNR					N/A	Uncommon in MD, but not necessarily rare.
Inverts	Inverts (Moths)	☐	<i>Dysstroma citrata</i>	<i>Chloroclysta citrata</i> , <i>Phalaena citrata</i>	Dark marbled carpet moth	Northern marbled carpet moth		G5	SNR					N/A	Recently rediscovered in Western MD after 20 years.
Inverts	Inverts (Moths)	☐	<i>Elaphria cornutinis</i>	<i>Elaphria cornutinus</i>	A midget moth			G5	SNR					N/A	Records scattered across all MD.
Inverts	Inverts (Moths)	☒	<i>Elaphria georgei</i>	<i>Monodes georgei</i>	George's midget moth			G4	SU					N/A	Was a data deficient SGCN in previous SWAP. Records scattered across all MD.
Inverts	Inverts (Moths)	☐	<i>Emarginea percara</i>	<i>Bryophila percara</i>	Beloved emarginea moth			G4	SNR					N/A	Mostly Eastern MD species.
Inverts	Inverts (Moths)	☐	<i>Enyo lugubris</i>	<i>Sphinx lugubris</i>	Mournful sphinx			G5	SNR					N/A	Central/Southern MD record from 2025.
Inverts	Inverts (Moths)	☐	<i>Eosporopteryx thyatyroides</i>	<i>Plusia thyatyroides</i>	Pink-patched looper moth	Pink-patched beauty moth		G4G5	SNR					N/A	Rediscovered in Western MD in 2024. Meadow rue feeder?
Inverts	Inverts (Moths)	☐	<i>Episemasia solitaria</i>	<i>Ephyra solitaria</i>	Solitary ruddy moth	A geometrid moth		G5	SNR					N/A	2015 record from Eastern MD. Holly feeder.
Inverts	Inverts (Moths)	☒	<i>Erastria coloraria</i>	<i>Catopyrrha coloraria</i> , <i>Phalaena coloraria</i>	Broad-lined erastria	Broad-lined catopyrrha	Broad-lined catopyrrha in 2015 SWAP.	G3G4	SH					N/A	Historical records from Western MD; recent records just across the PA border.
Inverts	Inverts (Moths)	☒	<i>Eubaphe meridiania</i>	<i>Eudule meridiania</i> , <i>Euphanessa meridiania</i>	Little beggar moth			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Rare, but recent records in Central/Southern MD.
Inverts	Inverts (Moths)	☐	<i>Eublemma minima</i>	<i>Micra minima</i>	Everlasting bud moth			G5	SNR					N/A	Scattered records in MD's Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Euchlaena muzaria</i>	<i>Endropia muzaria</i>	Muzaria euchlaena moth			G5	SNR					N/A	A few recent records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Euchlaena tigrinaria</i>	<i>Endropia tigrinaria</i>	Mottled euchlaena moth			G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Euclidia cuspidea</i>	<i>Drasteria cuspidea</i>	Toothed somberwing moth			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Eudeilinia herminiata</i>	<i>Corycia herminiata</i>	Northern eudeilinea moth			G5	SNR					N/A	Scattered records in Western and Eastern MD. Dogwood specialist?
Inverts	Inverts (Moths)	☐	<i>Eueretagrotis sigmoides</i>	<i>Noctua sigmoides</i>	Sigmoid dart moth			G5	SNR					N/A	Rediscovered in Western MD in 2024.
Inverts	Inverts (Moths)	☐	<i>Eulithis explanata</i>	<i>Cidaria explanata</i>	White eulithis moth			G5	SNR					N/A	Only found on blueberries in Western MD.
Inverts	Inverts (Moths)	☐	<i>Eupithecia indistincta</i>		A geometrid moth			GNR	SNR					N/A	Rediscovered in Western MD in 2023.

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Inverts	Inverts (Moths)	☐	<i>Eupsilia devia</i>	<i>Scopelosoma devia</i>	Lost sawfly moth			G5	SNR					N/A	Rediscovered in Central/Southern MD in 2025.
Inverts	Inverts (Moths)	☒	<i>Euxoa immixta</i>	<i>Agrotis immixta</i>	Mixed dart			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Historic species in MD, but recent record from WV.
Inverts	Inverts (Moths)	☒	<i>Euxoa violaris</i>	<i>Agrotis violaris</i>	Violet dart			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Rare in MD with some recent records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Fagitana littera</i>	<i>Leucania littera</i>	Marsh fern moth			G4	SNR					N/A	Scattered records in MD's Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Fishia illocata</i>	<i>Hadena illocata</i> , <i>Oligia illocata</i>	Wandering brocade moth			G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Glena plumosaria</i>	<i>Cymatophora plumosaria</i>	Dainty gray moth			G4	SNR					N/A	Rare in Coastal Plain MD, but some recent records. Have questions about its potential host plant.
Inverts	Inverts (Moths)	☐	<i>Globia oblonga</i>	<i>Archanara oblonga</i> , <i>Capsula oblonga</i> , <i>Nonagria oblonga</i>	Oblong sedge borer moth			G5	SNR					N/A	Rare in MD, but some recent records scattered across MD wetlands.
Inverts	Inverts (Moths)	☐	<i>Habrosyne gloriosa</i>	<i>Thyatira gloriosa</i>	Glorious habrosyne moth			GNR	SNR					N/A	Less than 5 recent Western MD records. May be a specialist on ninebark (<i>Physocarpus</i>).
Inverts	Inverts (Moths)	☐	<i>Haploa colona</i>	<i>Bombyx colona</i>	Colona moth			G4G5	SNR					N/A	Recent records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Haploa confusa</i>	<i>Callimorpha confusa</i>	Confused haploa moth			G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Heliomata infulata</i>	<i>Baptia infulata</i>	Rare spring moth			G3G4	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☒	<i>Hemaris gracilis</i>	<i>Haemorrhagia gracilis</i>	Slender clearwing	Graceful clearwing		G4G5	SNR					RAPS	Was a data deficient SGCN in previous SWAP. One historic record from Western MD, but recent records in surrounding states.
Inverts	Inverts (Moths)	☐	<i>Hemipachnobia monochromatea</i>	<i>Agrotis monochromatea</i>	Sundew cutworm moth			G4	SNR					N/A	No records in the state but found in NJ and PA. Possibility that H. subporphyrea historic record from Gum Bottom Bog is actually this species.
Inverts	Inverts (Moths)	☐	<i>Hesperumia sulphuraria</i>		Sulphur moth			G5	SNR					N/A	Handful of records from Ridge and Valley.
Inverts	Inverts (Moths)	☐	<i>Heterophleps refusaria</i>	<i>Macaria refusaria</i>	Three-patched bigwing moth			G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Hydrelia albifera</i>	<i>Acidalia albifera</i>	Fragile white carpet moth			G5	SNR					N/A	New records from Western MD. Old records from Central MD.
Inverts	Inverts (Moths)	☐	<i>Hydrelia condensata</i>	<i>Melanthia condensata</i>	A geometrid moth	A carpet moth		G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Hydrelia lucata</i>	<i>Asthenia lucata</i>	Light carpet moth			G4G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Hydriomena divisaria</i>	<i>Cleora divisaria</i>	Black-dashed hydriomena moth			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Hydriomena perfracta</i>		Shattered hydriomena moth			G5	SNR					N/A	New 2024 record for MD.
Inverts	Inverts (Moths)	☐	<i>Hydriomena pluvata</i>	<i>Ypsipetes pluvata</i>	Sharp green hydriomena moth			G4	SNR					N/A	Most recent record from Central/Southern MD in 2014.
Inverts	Inverts (Moths)	☐	<i>Hyles gallii</i>	<i>Sphinx gallii</i>	Galium sphinx	Bedstraw hawkmoth		G5	SNR					N/A	Recent records in Western MD; believed to be southern edge of range.
Inverts	Inverts (Moths)	☐	<i>Hypagyrtis piniata</i>	<i>Paraphia piniata</i>	Pine measuringworm moth			G5	SNR					N/A	Rediscovered in Western MD in 2023.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Moths)	☐	<i>Hyparpax aurora</i>	<i>Phalaena aurora</i>	Pink prominent moth			G5?	SNR					N/A	Uncommon, but widely distributed in MD.
Inverts	Inverts (Moths)	☐	<i>Hypena appalachiensis</i>	<i>Bomolocha appalachiensis</i>	Appalachian bomolocha moth			G3G4	SNR					N/A	No records in the state but found in nearby in WV.
Inverts	Inverts (Moths)	☐	<i>Hypena edictalis</i>	<i>Bomolocha edictalis</i>	Large hypena moth	Large bomolocha moth		G4	SNR					N/A	Only known from one county in Western MD, but relatively common there.
Inverts	Inverts (Moths)	☐	<i>Hypena eductalis</i>	<i>Lomanaltes eductalis</i>	Red-footed bomolocha moth			G5	SNR					N/A	Wetland specialist? Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Hypena sordidula</i>	<i>Bomolocha sordidula</i>	Sordid hypena moth	Sordid bomolocha moth		G4?	SNR					N/A	Scattered recent records, but relatively uncommon.
Inverts	Inverts (Moths)	☐	<i>Hypenodes franclemonti</i>		A noctuid moth			GNR	SNR					N/A	Recent addition to MD fauna; difficult to ID.
Inverts	Inverts (Moths)	☐	<i>Hyppa xylinoides</i>	<i>Hadena xylinoides</i>	Common hyppa moth			G5	SNR					N/A	Recent rediscovery in Western MD.
Inverts	Inverts (Moths)	☐	<i>Hypsorophia monilis</i>	<i>Noctua monilis</i>	Large necklace moth			G5	SNR					N/A	Found in Eastern MD; believed to be this species' northern limit.
Inverts	Inverts (Moths)	☐	<i>Idaea eremiata</i>	<i>Eois eremiata</i>	Straw wave moth	A geometrid moth		G4	S1?					N/A	Recent records in Western MD; historic records scattered across MD.
Inverts	Inverts (Moths)	☐	<i>Idia diminuendis</i>	<i>Camptylorchila diminuendis</i>	Orange-spotted idia moth			G4G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Idia laurentii</i>	<i>Epizeuxis laurentii</i> , <i>Idia laurenti</i>	Laurentine idia moth	An idia moth		GNR	SNR					N/A	Both historic and recent records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Idia majoralis</i>	<i>Epizeuxis majoralis</i>	Greater idia moth			GNR	SNR					N/A	Historic records in Central MD, but more recently known from woodrat nests.
Inverts	Inverts (Moths)	☐	<i>Isturgia dislocaria</i>	<i>Enconista dislocaria</i> , <i>Semiothisa dislocaria</i>	Pale-veined isturgia	Pale-veined econista		G4G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Lacanobia grandis</i>	<i>Hadena grandis</i> , <i>Spiramater grandis</i>	Grand arches moth			G5	SNR					N/A	Only recent record is from Western MD, but some historic records in MD from Coastal Plain,
Inverts	Inverts (Moths)	☐	<i>Lapara bombycoides</i>		Northern pine sphinx			G5	SNR					N/A	Only in pine barrens in Western MD.
Inverts	Inverts (Moths)	☒	<i>Lemmeria digitalis</i>	<i>Anchocelis digitalis</i>	Fingered lemmeria moth			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Pre-2000 records, but one recent record from Western MD.
Inverts	Inverts (Moths)	☐	<i>Leptostales ferruminaria</i>	<i>Acidalia ferruminaria</i>	Light-ribboned wave moth	Flanged looper		G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Leucania multilinea</i>		Many-lined wainscot moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Leucanopsis longa</i>	<i>Euhalisidota longa</i>	Long-streaked tussock moth			G5	SNR					N/A	Recent records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Leuconycta lepidula</i>	<i>Jaspidia lepidula</i>	Marbled-green leuconycta moth			G5	SNR					N/A	Rediscovered in Western MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Lintneria eremitus</i>	<i>Agrius eremitus</i> , <i>Sphinx eremitus</i>	Hermit sphinx			G4G5	SNR					N/A	Uncommon; only in northern part of MD.
Inverts	Inverts (Moths)	☐	<i>Lithomoia germana</i>	<i>Calocampa germana</i> , <i>Lithomoia solidaginis germana</i>	American brindle moth	Goldenrod brindle moth		G5	SNR					N/A	Pre-2000 records, but one recent record from Western MD.
Inverts	Inverts (Moths)	☐	<i>Lithophane baileyi</i>		Bailey's pinion moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Lithophane hemina</i>		Hemina pinion moth			G5	SNR					N/A	Rare in MD, but some recent records.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Moths)	☑	<i>Lithophane lemmeri</i>	<i>Graptolitha lemmeri</i>	Lemmer's pinion moth	Lemmer's noctuid moth	Lemmer's noctuid moth in 2015 SWAP.	G3G4	SNR			NE		RAPS	Was a data deficient SGCN in previous SWAP. Historic species that is now found only in NJ. Chance it will be found in MD.
Inverts	Inverts (Moths)	☐	<i>Lithophane oriunda</i>		Immigrant pinion moth			G4	SNR					N/A	Only records from Western MD. Typically a more northern species.
Inverts	Inverts (Moths)	☐	<i>Lithophane querquera</i>		Shivering pinion moth			GNR	SNR					N/A	Scattered records in MD, but uncommon.
Inverts	Inverts (Moths)	☐	<i>Lithophane viridipallens</i>		Pale green pinion moth			G5	SNR					N/A	Handful of records from Central/Southern MD.
Inverts	Inverts (Moths)	☐	<i>Lophosis labeculata</i>	<i>Eois labeculata</i>	Stained lophosis moth			GU	SNR					N/A	First found in Western MD in 2018.
Inverts	Inverts (Moths)	☑	<i>Lytrosis sinuosa</i>		Sinuuous lytrosis moth			G4	S1S3					N/A	Not seen in last 10 years; only records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Macaria pinistrobata</i>	<i>Semiothisa pinistrobata</i>	White pine angle moth			GNR	SNR					N/A	Scattered records in MD. Feeds on white pine.
Inverts	Inverts (Moths)	☐	<i>Macrochilo santerivalis</i>		An erebid moth	An owlet moth		G3G4	SNR					N/A	Only in Eastern MD; rare, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Magusa divaricata</i>	<i>Stictoptera divaricata</i>	Orbed narrow-winged moth			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Maliathia concinnimacula</i>	<i>Leptosia concinnimacula</i> , <i>Lithacodia concinnimacula</i>	Red-spotted glyph	Red-spotted lithacodia		G4	SNR					N/A	First found in Western MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Martania basaliata</i>	<i>Larentia basaliata</i> , <i>Perizoma basaliata</i>	Square-patched carpet moth			G5	SNR					N/A	New record from Western MD in 2025.
Inverts	Inverts (Moths)	☑	<i>Meropleon ambifusca</i>	<i>Meropleon ambifuscum</i> , <i>Oligia ambifusca</i>	Newman's brocade			G4G5	SU					N/A	Was a data deficient SGCN in previous SWAP. Scattered recent records.
Inverts	Inverts (Moths)	☑	<i>Meropleon cosmion</i>		An owlet moth			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. A few recent records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Metalectra tantillus</i>	<i>Homopyralis tantillus</i>	Black fungus moth			G4	SNR					N/A	Suspected to be a southern species moving north.
Inverts	Inverts (Moths)	☐	<i>Metallata absumens</i>	<i>Thermesia absumens</i>	Variable metallata moth			GNR	SNR					N/A	One confirmed record in Central/Southern MD, one unconfirmed record in Western MD. Seems to be more of a Coastal Plain species.
Inverts	Inverts (Moths)	☐	<i>Metanema determinata</i>		Dark metanema moth			G5	SNR					N/A	Rediscovered in Western MD in 2022.
Inverts	Inverts (Moths)	☐	<i>Metarranthis amyrisaria</i>	<i>Ellopia amyrisaria</i>	Balsam metarranthis moth	A geometrid moth		G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Metarranthis refractaria</i>	<i>Endropia refractaria</i>	Refracted metarranthis moth			G4G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Metaxaglaea australis</i>		Southern swallow moth			GNR	SNR					N/A	Rediscovered in Central/Southern MD in 2020. Coastal Plain species.
Inverts	Inverts (Moths)	☐	<i>Mocis latipes</i>	<i>Remigia latipes</i>	Small mocis moth			G5	SNR					N/A	Both current and historic records, but uncommon overall.
Inverts	Inverts (Moths)	☐	<i>Morrisonia triangula</i>		Triangle-barred woodgrain moth			G3G4	SNR					N/A	G3G4 species discovered in 2014 in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Mythimna oxygala</i>	<i>Aletia oxygala</i> , <i>Heliophila oxygala</i>	Lesser wainscot moth			G5	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Neoligia crytora</i>	<i>Oligia crytora</i> , <i>Procus crytora</i>	A noctuid moth			GNR	SNR					N/A	Scattered records in MD, but uncommon

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Inverts	Inverts (Moths)	☐	<i>Neoligia exhausta</i>	<i>Hadena exhausta</i> , <i>Oligia exhausta</i>	Exhausted brocade moth			GNR	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Notodonta scitipennis</i>	<i>Notodonta scitipennis</i> <i>scitipennis</i>	Finned-willow prominent moth	Base-streaked prominent moth		G5	SNR					N/A	New record from Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Oligia chlorostigma</i>		A noctuid moth	A brocade moth		G4	SNR					N/A	3 records known from Central/Southern MD.
Inverts	Inverts (Moths)	☐	<i>Orgyia detrita</i>		Fir tussock moth			G3G4	SNR					N/A	Few recent records in Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Orthosia garmani</i>	<i>Graphiphora garmani</i>	Garman's quaker moth			GNR	SNR					N/A	Scattered records in MD, but uncommon
Inverts	Inverts (Moths)	☐	<i>Orthosia revicta</i>	<i>Taeniocampa revicta</i>	Subdued quaker moth	Rusty white-sided caterpillar		G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Oxycilla malaca</i>	<i>Erastria malaca</i>	Bent-lined tan			G4?	SNR					N/A	One record in Central/Southern MD and one in Western MD.
Inverts	Inverts (Moths)	☐	<i>Ozarba aeria</i>	<i>Eustrotia aeria</i>	Aerial brown moth			G4	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Pachysphinx modesta</i>	<i>Pachysphinx modestus</i> , <i>Smerinthus modesta</i>	Big poplar sphinx	Modest sphinx		G5	SNR					N/A	Uncommon, but widespread throughout MD.
Inverts	Inverts (Moths)	☐	<i>Pagara simplex</i>		Mouse-colored lichen moth			G5	SNR					N/A	Seems to be barren specialist on dunes or serpentine barrens.
Inverts	Inverts (Moths)	☐	<i>Paonias astylus</i>	<i>Sphinx astylus</i>	Huckleberry sphinx			G5	SNR					N/A	Recent Coastal Plain records, but uncommon overall.
Inverts	Inverts (Moths)	☒	<i>Papaipema appassionata</i>	<i>Gortyna appassionata</i>	Pitcher plant borer moth			G3G4	SNR					RAPS	Was a data deficient SGCN in previous SWAP. Old records from Central/Southern MD, but nothing since.
Inverts	Inverts (Moths)	☒	<i>Papaipema araliae</i>		Aralia shoot borer moth			G3G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Only historic record(s), but this species could also be difficult to find/ID.
Inverts	Inverts (Moths)	☐	<i>Papaipema birdi</i>		Water-hemlock borer moth			G4G5	SNR					N/A	Only 3 records since 2000.
Inverts	Inverts (Moths)	☐	<i>Papaipema impecuniosa</i>	<i>Gortyna impecuniosa</i>	Aster borer moth			G5	SNR					N/A	Scattered records in MD. Seems to like wetlands.
Inverts	Inverts (Moths)	☐	<i>Papaipema insulidens</i>	<i>Hydroecia insulidens</i> , <i>Papaipema birdi</i>	Umbellifer borer moth	Ragwort stem borer moth		GU	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Papaipema lysimachiae</i>		Loosestrife borer moth			G4G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Papaipema marginidens</i>	<i>Gortyna marginidens</i>	Brick-red borer moth	A borer moth		G4	S4					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Papaipema nelita</i>	<i>Hydroecia nelita</i>	Coneflower borer moth			G5	SNR					N/A	Recent record in Western MD.
Inverts	Inverts (Moths)	☐	<i>Papaipema nepheleptena</i>	<i>Gortyna nepheleptena</i>	Turtle head borer moth			G4G5	SNR					N/A	Only historic records in Western MD, but have we really looked?
Inverts	Inverts (Moths)	☒	<i>Papaipema polymniae</i>		Cup plant borer moth	Polymnia borer moth	Polymnia borer moth in 2015 SWAP.	G4?	SH					N/A	Only historic record(s) in MD, but this species could be difficult to find/ID.
Inverts	Inverts (Moths)	☐	<i>Papaipema pterisii</i>		Bracken borer moth			G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Papaipema rigida</i>	<i>Gortyna rigida</i>	Rigid sunflower borer moth			G4G5	SNR					N/A	Recent Western MD record.
Inverts	Inverts (Moths)	☐	<i>Papaipema rutila</i>	<i>Gortyna rutila</i>	Mayapple borer moth			G4	SNR					N/A	Scattered historic records, but have we really looked?
Inverts	Inverts (Moths)	☐	<i>Papaipema speciosissima</i>	<i>Gortyna speciosissima</i>	Osmunda borer moth			G3G4	SNR					N/A	Scattered recent records.

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Inverts	Inverts (Moths)	☑	<i>Papaipema stenocelis</i>	<i>Hydroecia stenocelis</i>	Chain fern borer moth			G3G4	SNR					RAPS	Was a data deficient SGCN in previous SWAP. Only historic records in MD, but recent record in NJ.
Inverts	Inverts (Moths)	☐	<i>Papaipema unimoda</i>	<i>Hydroecia unimoda</i> , <i>Papaipema frigida</i>	Meadow rue borer moth			G5	SNR					N/A	Only historic records in Western MD, but have we really looked?
Inverts	Inverts (Moths)	☐	<i>Parahypenodes quadralis</i>		Masked parahypenodes moth			G4	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☑	<i>Parapamea buffaloensis</i>	<i>Ochria buffaloensis</i>	Buffalo moth			G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Uncommon on Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Peridea bordeloni</i>		Bordelon's peridea moth			GNR	SNR					N/A	Scattered records in Coastal Plain and Piedmont, but uncommon.
Inverts	Inverts (Moths)	☐	<i>Petrophora subaequaria</i>	<i>Lozogamma subaequaria</i>	Northern petrophora moth			G5	SNR					N/A	Rediscovered in Western MD in 2025. Fern feeder.
Inverts	Inverts (Moths)	☐	<i>Pheosia rimosa</i>		Black-rimmed prominent moth			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Pheosidea elegans</i>	<i>Lophopteryx elegans</i> , <i>Odontosia elegans</i> , <i>Odontosia grisea</i>	Elegant prominent moth			G5	SNR					N/A	Scattered Western MD records.
Inverts	Inverts (Moths)	☐	<i>Phoberia ingenua</i>	<i>Poaphila ingenua</i>	Uncommon oak moth			G3G4	SNR					RAPS	Records from Central/Southern MD a decade ago.
Inverts	Inverts (Moths)	☐	<i>Phragmatobia assimilans</i>		Large ruby tiger moth			G5	SNR					N/A	Decades old records in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Phragmatobia fuliginosa</i>	<i>Phalaena fuliginosa</i>	Ruby tiger moth			G5	SNR					N/A	Recent records in MD's northern and western counties.
Inverts	Inverts (Moths)	☐	<i>Platypolia mactata</i>	<i>Oligia mactata</i>	Adorable brocade moth			G5	SNR					N/A	Recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Plusia contexta</i>		Connected looper moth			G5	SNR					N/A	Rediscovered in Western MD in 2022.
Inverts	Inverts (Moths)	☐	<i>Polia imbrifera</i>	<i>Aplecta imbrifera</i>	Cloudy arches moth			G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Polia nimbosa</i>	<i>Aplecta nimbosa</i>	Stormy arches moth			G5	SNR					N/A	Handful of records from Western MD.
Inverts	Inverts (Moths)	☐	<i>Ponometia semiflava</i>	<i>Tarachidia semiflava</i> , <i>Xanthoptera semiflava</i>	Half-yellow moth			G4	SNR					N/A	One 2013 record from Eastern MD. A typically southern species that may be moving north.
Inverts	Inverts (Moths)	☐	<i>Properigea costa</i>	<i>Namangana costa</i>	Barrens moth			G4	SNR					N/A	Historic records in MD, but recent find just over PA border in Western MD.
Inverts	Inverts (Moths)	☐	<i>Psaphida electilis</i>	<i>Dicopis electilis</i> , <i>Eutotype electilis</i>	Chosen swallow moth			G5	SNR					N/A	Uncommonly found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Psaphida thaxterianus</i>	<i>Dicopis thaxterianus</i> , <i>Psaphida thaxteriana</i>	Thaxter's swallow moth			G4	SNR					N/A	Two recent records in Western MD.
Inverts	Inverts (Moths)	☐	<i>Pseudeva purpurigera</i>	<i>Deva purpurigera</i>	Straight-lined looper moth			G5	SNR					N/A	Rediscovered in Western MD in 2023. Meadow rue feeder?
Inverts	Inverts (Moths)	☐	<i>Pyreferra pettiti</i>	<i>Scopelosoma pettiti</i>	Pettit's swallow moth			G5	SNR					N/A	Rediscovered in Western MD in 2022. Hop-hornbeam specialist.
Inverts	Inverts (Moths)	☐	<i>Pyrrhia exprimens</i>	<i>Heliothis exprimens</i>	Purple-lined swallow moth			G5	SNR					N/A	Rare in MD, but some recent records.
Inverts	Inverts (Moths)	☐	<i>Rifargia subrotata</i>	<i>Heterocampa subrotata</i>	Small prominent moth	Small heterocampa		G4G5	SNR					N/A	Scattered records in Coastal Plain and Piedmont, but uncommon.

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Inverts	Inverts (Moths)	☐	<i>Schinia florida</i>	<i>Rhodophora florida</i>	Primros moth	Evening primrose moth		G5	SNR					N/A	Scattered records in MD. Primrose specialist.
Inverts	Inverts (Moths)	☐	<i>Schinia nundina</i>	<i>Phalaena nundina</i>	Goldenrod flower moth			G5	SNR					N/A	Goldenrod specialist in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Schinia obscurata</i>		Erigeron flower moth			G4	SNR					N/A	Rediscovered in Central/Southern MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Schinia thoreau</i>	<i>Anthoecia thoreau</i>	Thoreau's flower moth			G5	SNR					N/A	Scattered records in MD. Ragweed feeder.
Inverts	Inverts (Moths)	☐	<i>Scopula cacuminaria</i>	<i>Acidalia cacuminaria</i>	Frosted tan wave moth			G4	SNR					N/A	Uncommon; only found in Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Scopula junctaria</i>	<i>Acidalia junctaria</i>	Simple wave moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Selenia alciphearia</i>		Brown-tipped thorn	Northern selenia moth		G5	SNR					N/A	2025 state record in Western MD.
Inverts	Inverts (Moths)	☐	<i>Sicya macularia</i>	<i>Geometra macularia</i>	Sharp-lined yellow moth			G5	SNR					N/A	Only handful of Western MD records.
Inverts	Inverts (Moths)	☐	<i>Sideridis congermana</i>	<i>Hadena congermana</i>	German cousin moth			GNR	SNR					N/A	Historic records in Western MD, but recent find over PA border.
Inverts	Inverts (Moths)	☐	<i>Smerinthus jamaicensis</i>	<i>Sphinx jamaicensis</i>	Twin-spotted sphinx			G5	SNR					N/A	Uncommon, but widespread throughout MD.
Inverts	Inverts (Moths)	☐	<i>Spaelotis clandestina</i>	<i>Noctua clandestina</i>	Clandestine dart moth			G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Sphingicampa bisecta</i>	<i>Syssphinx bisecta</i> , <i>Anisota bisecta</i>	Bisected honey locust moth			G5	SNR					N/A	Record in Central MD in 2017 as species range moves north.
Inverts	Inverts (Moths)	☐	<i>Sphinx gordius</i>		Apple sphinx	Gordian sphinx		G4G5	SNR					N/A	One recent record in Western MD. Seems to like heath peatland.
Inverts	Inverts (Moths)	☐	<i>Sphinx kalmiae</i>		Laurel sphinx	Fawn sphinx		G5	SNR					N/A	Want to answer question: to what extent does it use non-ash species?
Inverts	Inverts (Moths)	☐	<i>Spiramater lutra</i>	<i>Hadena lutra</i> , <i>Lacanobia lutra</i>	Otter Spiramater Moth			G5	SNR					N/A	Three records since 2000 in Western MD.
Inverts	Inverts (Moths)	☐	<i>Stannodes gibbicostata</i>	<i>Cidaria gibbicostata</i>	Shiny gray carpet moth			G4	SNR					N/A	Pre-2000 records, but one recent record from Western MD.
Inverts	Inverts (Moths)	☐	<i>Sutyna privata</i>	<i>Anytus privatus</i> , <i>Polia privata</i>	Private sawfly moth	A noctuid moth		G5	SNR					N/A	Rediscovered in Western MD in 2025.
Inverts	Inverts (Moths)	☐	<i>Sympistis perscripta</i>	<i>Lepipolys perscripta</i>	Scribbled sawfly moth			G4	SNR					N/A	Historic species that was rediscovered in MD in 2023.
Inverts	Inverts (Moths)	☐	<i>Tacparia deterrenta</i>	<i>Tephрина deterrenta</i>	Pale alder moth			G5	SNR					N/A	Rediscovered in Western MD in 2018.
Inverts	Inverts (Moths)	☐	<i>Tarache delecta</i>	<i>Acontia delecta</i>	Delightful bird-dropping moth			GU	SNR					N/A	Found in Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Tolype laticis</i>	<i>Planosa laticis</i>	Larch tolpe moth	Larch moth		G5	SNR					N/A	Three records since 2000. Feeds on eastern hemlock and perhaps other pines.
Inverts	Inverts (Moths)	☐	<i>Tripudia flavofasciata</i>		Orange-banded tripudia moth	An owl moth		GNR	SNR					N/A	Two 2023 records from Central MD. Host seems to be American water-willow or <i>Ruellia</i> .
Inverts	Inverts (Moths)	☐	<i>Tripudia rectangulara</i>		Rectangular Tripudia	A noctuid moth		GNR	SNR					N/A	Scattered records in MD. Specialist on wild petunia.
Inverts	Inverts (Moths)	☒	<i>Undulambia striatalis</i>	<i>Ambia striatalis</i>	A crambid snout moth			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Only historic records in MD, but recent record on DE border.
Inverts	Inverts (Moths)	☐	<i>Virbia ferruginosa</i>	<i>Crocota ferruginosa</i> , <i>Holomelina ferruginosa</i>	Rusty holomelina moth			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Moths)	☐	<i>Xanthorhoe iduata</i>	<i>Melanippe iduata</i>	A geometrid moth			G4	SNR					N/A	Rediscovered in Western MD in 2022.
Inverts	Inverts (Moths)	☐	<i>Xanthorhoe packardata</i>		A geometrid moth			G4	SNR					N/A	Rediscovered in Western MD in 2023.

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Inverts	Inverts (Moths)	☐	<i>Xestia badicollis</i>	<i>Ammonoconia badicollis</i>	Northern variable dart moth			G5	SNR					N/A	Only found in Western MD.
Inverts	Inverts (Moths)	☐	<i>Xestia normanianus</i>	<i>Agrotis normanianus</i> , <i>Amathes normaniana</i> , <i>Xestia normaniana</i>	Norman's dart moth			G5	SNR					N/A	A handful of records in Western MD. Seems to have been more common in the past.
Inverts	Inverts (Moths)	☐	<i>Xylena curvimacula</i>	<i>Calocampa curvimacula</i>	Dot-and-dash swordgrass moth			G5	SNR					N/A	Discovered in Western MD in 2025. Southernmost part of range.
Inverts	Inverts (Moths)	☐	<i>Xylomoia chagnoni</i>		A noctuid moth			GNR	SNR					N/A	Uncommon, but still found in bogs of Western MD.
Inverts	Inverts (Moths)	☐	<i>Xylotype capax</i>	<i>Xylina capax</i>	Barrens xylotype	Broad sawfly moth		G4	SU					N/A	Recently rediscovered in MD.
Inverts	Inverts (Moths)	☐	<i>Zale buchholzi</i>		Buchholz's zale moth			G4G5	SNR					N/A	Scattered records in Coastal Plain. Pine specialist.
Inverts	Inverts (Moths)	☒	<i>Zale curema</i>	<i>Phaeocyma curema</i>	Black-eyed zale moth	A noctuid moth	A noctuid moth in 2015 SWAP.	G4	S1?					N/A	Mostly historic records with one recent record from Eastern MD.
Inverts	Inverts (Moths)	☐	<i>Zale metata</i>	<i>Phaeocyma metata</i>	A zale moth			G5	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Zale obliqua</i>	<i>Homoptera obliqua</i>	Oblique zale moth	A noctuid moth		G5	S4S5					N/A	Recent records on Coastal Plain.
Inverts	Inverts (Moths)	☐	<i>Zale squamularis</i>	<i>Phalaena squamularis</i>	Gray-banded zale moth	A noctuid moth		G4	SU					N/A	Recent records in Central/Southern MD.
Inverts	Inverts (Moths)	☒	<i>Zale submediana</i>		Gray spring zale	A noctuid moth	A noctuid moth in 2015 SWAP.	G4	S1S3					N/A	Many recent records, but could be confused with <i>Z. metatoides</i> .
Inverts	Inverts (Moths)	☐	<i>Zanclognatha dentata</i>		An erebid moth	An owlet moth		G3G4	SNR					N/A	Scattered recent records.
Inverts	Inverts (Moths)	☐	<i>Zanclognatha theralis</i>	<i>Herminia theralis</i>	An owlet moth			G4	SNR					N/A	Uncommon on Coastal Plain of MD.
Inverts	Inverts (Moths)	☒	<i>Zimmermannia bosquella</i>	<i>Ectoedemia castaneae</i> , <i>Ectoedemia heinrichi</i> , <i>Ectoedemia helenella</i>	American chestnut nepticulid moth	A pygmy leafmining moth		GNR	SH					N/A	Possibly rediscovered in Eastern MD in 2024, but still needs confirmation.
Inverts	Inverts (Odonates)	☐	<i>Argia sedula</i>		Blue-ringed dancer			G5	S3			LC		N/A	Widespread species. Not a ton of records.
Inverts	Inverts (Odonates)	☒	<i>Boyeria graftana</i>		Ocellated darner			G5	S1			LC		RAPS	Western MD Species. No specific threats. Higher ranked in other states; likely needs different rank in MD as well.
Inverts	Inverts (Odonates)	☒	<i>Calopteryx aequabilis</i>		River jewelwing			G5	SNA			LC		N/A	Was a data deficient SGCN in previous SWAP. Only detected as larvae in Western MD. No recent records.
Inverts	Inverts (Odonates)	☒	<i>Celithemis bertha</i>		Red-veined pennant			G5	S1			LC		N/A	Known south of VA. Recent sightings in Southern MD. Large range expansion.
Inverts	Inverts (Odonates)	☒	<i>Celithemis martha</i>		Martha's pennant			G4	S1			LC		RAPS	Was widespread in the 90s, then drastically declined. No records since 2000 in MD, but recent record from DE.
Inverts	Inverts (Odonates)	☒	<i>Dorocordulia lepida</i>		Petite emerald			G5	SH			LC		N/A	Historical records only in MD, though it was recently found in DE.
Inverts	Inverts (Odonates)	☐	<i>Dorocordulia libera</i>		Racket-tailed emerald			G5	SNR			LC		N/A	Records from one wetland in Western MD. A more northern species that has only been found in MD since 2020.
Inverts	Inverts (Odonates)	☒	<i>Enallagma carunculatum</i>		Tule bluet			G5	S1			LC		N/A	One record from Western MD. At southern edge of range.

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Inverts	Inverts (Odonates)	☑	<i>Enallagma daeckii</i>		Attenuated bluet			G4	S3			LC		N/A	Good number of records without clear understanding of population extent. May be more common.
Inverts	Inverts (Odonates)	☑	<i>Epithea costalis</i>		Slender baskettail	Stripe-winged baskettail	Stripe-winged baskettail in 2015 SWAP	G5	S1			LC		N/A	MD's flight periods are late in comparison to the rest of <i>Epithea costalis</i> ; possible this is actually a different species, or that the late flight period has something to do with being at the northernmost edge of range. Few recent records; last one from 2016 in Central MD.
Inverts	Inverts (Odonates)	☑	<i>Epithea spinosa</i>		Robust baskettail			G4	S1S2			LC		N/A	May need to be S2. Most sightings come from state lands in Central MD. Early flight season, so may be missed by surveys.
Inverts	Inverts (Odonates)	☑	<i>Gomphaeschna antilope</i>		Taper-tailed darner			G4	S2			LC		N/A	Hard to distinguish from more common harlequin darner. Seems fairly widespread in Coastal Plain. Should this be S3?
Inverts	Inverts (Odonates)	☐	<i>Gomphurus dilatatus</i>		Blackwater clubtail			G5	SNR			LC		N/A	Cast skins found in Central/Southern MD. Primarily a more southern species
Inverts	Inverts (Odonates)	☑	<i>Hetaerina titia</i>		Smoky rubyspot			G5	SH			LC		N/A	Rediscovered in 2019 in Central MD. Seen again along Potomac in 2022 in Central/Western MD.
Inverts	Inverts (Odonates)	☑	<i>Ischnura prognata</i>		Furtive forktail			G4	S1			LC		N/A	A good number of records scattered across Coastal Plain since discovery in 2007. MD is northern limit of range. Likely overlooked. More surveys needed. Likely needs higher rank.
Inverts	Inverts (Odonates)	☑	<i>Lanthus parvulus</i>		Northern pygmy clubtail			G4G5	S2			LC		RAPS	No recent records. Could be confused with <i>L. vernalis</i> . Should be S1 and investigated for extirpation.
Inverts	Inverts (Odonates)	☑	<i>Lestes congener</i>		Spotted spreadwing			G5	S3			LC		N/A	Uncommon but widespread across MD. Difficult to ID.
Inverts	Inverts (Odonates)	☐	<i>Lestes disjunctus</i>		Northern spreadwing			G5	S5			LC		N/A	Has taxonomic problems (<i>L. australis</i> and <i>L. disjunctus</i> were presumed same species until recently). A lot of the records are misleading. Difficult to ID except for mature males. Seems abundant until you get off the Appalachian plateau.
Inverts	Inverts (Odonates)	☑	<i>Lestes eurinus</i>		Amber-winged spreadwing			G5	S3			LC		N/A	Good number of records without clear understanding of population extent. May be more common.
Inverts	Inverts (Odonates)	☑	<i>Lestes forcipatus</i>		Sweetflag spreadwing			G5	S3			LC		N/A	Uncommon but widespread across MD. Difficult to ID.
Inverts	Inverts (Odonates)	☑	<i>Leucorrhinia intacta</i>		Dot-tailed whiteface			G5	S3			LC		N/A	Southern most edge of range. Fairly common in Western MD.
Inverts	Inverts (Odonates)	☑	<i>Libellula auripennis</i>		Golden-winged skimmer			G5	S3			LC		N/A	Fairly widespread across all of MD, though sparse.
Inverts	Inverts (Odonates)	☑	<i>Libellula flavida</i>		Yellow-sided skimmer			G5	S2S3			LC		N/A	Northernmost edge of range. Widespread across Coastal Plain.
Inverts	Inverts (Odonates)	☑	<i>Macromia alleghaniensis</i>		Allegheny river cruiser			G4	S2			LC		N/A	Hard to distinguish from <i>Macromia illinoensis illinoensis</i> . Must be in hand. One record from 2024 in Western MD. All other records much older.
Inverts	Inverts (Odonates)	☐	<i>Nehalennia irene</i>		Sedge sprite			G5	S3			LC		N/A	A more northern species. Fairly common in Western MD.

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Inverts	Inverts (Odonates)	☐	<i>Neurocordulia obsoleta</i>		Umber shadowdragon			G5	S3			LC		N/A	Relatively common. Likely that more records would be found if it flew earlier in the day.
Inverts	Inverts (Odonates)	☒	<i>Neurocordulia yamaskanensis</i>		Stygian shadowdragon			G5	S3			LC		N/A	Species has spread significantly in MD over the past 20 years, but still fairly uncommon sighting because it is a dusk flier.
Inverts	Inverts (Odonates)	☒	<i>Phanogomphus spicatus</i>	<i>Gomphus spicatus</i>	Dusky clubtail		Gomphus spicatus in 2015 SWAP.	G5	SNR			LC		N/A	Records in Western MD. At very southern edge of range.
Inverts	Inverts (Odonates)	☒	<i>Somatochlora walshii</i>		Brush-tipped emerald			G5	S1			LC		N/A	Southernmost edge of range. Found in the 2000s in Western MD, but no records since.
Inverts	Inverts (Odonates)	☒	<i>Stenogomphurus rogersi</i>	<i>Gomphus rogersi</i>	Sable clubtail			G4	S2		I	LC		RSGCN	Easily overlooked. Relatively widespread, even in more degraded areas.
Inverts	Inverts (Odonates)	☐	<i>Sympetrum internum</i>		Cherry-faced meadowhawk			G5	SNR			LC		N/A	Difficult to ID. Has been hybridizing. Need to sort out records.
Inverts	Inverts (Odonates)	☒	<i>Sympetrum obtrusum</i>		White-faced meadowhawk			G5	S3			LC		N/A	More northern species. ID is difficult. Hybridizes with other meadowhawks. Common in Western MD, although range seems to have retracted, as there are fewer records from further east than in the past.
Inverts	Inverts (Odonates)	☒	<i>Tachopteryx thoreyi</i>		Gray petaltail			G4	S3			LC		RAPS	Many records across MD, especially in Coastal Plain. Breeds in seeps, which have less protection.
Inverts	Inverts (Odonates)	☒	<i>Telebasis byersi</i>		Duckweed firetail			G5	S1			LC		N/A	Only recent record was somewhere in Southern MD. All other records are from the 2000s in Eastern MD. Likely overlooked.
Inverts	Inverts (Odonates)	☒	<i>Zoraena bilineata</i>	<i>Cordulegaster bilineata</i>	Brown spiketail		Cordulegaster bilineata in 2015 SWAP.	G5	S3			LC		N/A	A southern species with many records in MD. Widespread. S4 in VA.
Inverts	Inverts (Odonates)	☒	<i>Zoraena diastatops</i>	<i>Cordulegaster diastatops</i>	Delta-spotted spiketail		Cordulegaster diastatops in 2015 SWAP.	G5	S3S4			LC		N/A	A more northern species. Fairly common in Western MD.
Inverts	Inverts (Odonates)	☒	<i>Zoraena erronea</i>	<i>Cordulegaster erronea</i>	Tiger spiketail		Cordulegaster erronea in 2015 SWAP.	G4	S3			LC		RSGCN	Relatively widespread, even in degraded areas.
Inverts	Inverts (Bees)	☐	<i>Andrena aliciae</i>		Yellow-faced miner bee			GNR	SNR					N/A	Few records scattered across MD, but we know it gathers from yellow composites like Helianthus and Verbesina.
Inverts	Inverts (Bees)	☐	<i>Andrena alleghaniensis</i>		Appalachian miner bee			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Andrena andrenoides</i>		Colourful willow miner bee			GNR	SNR					N/A	Two records in/around MD: one historic from Washington, D.C. and one more recent in Southern MD.
Inverts	Inverts (Bees)	☐	<i>Andrena asteris</i>		Aster miner bee			GNR	SNR					N/A	Uncommon but scattered MD records. Late fall composite specialist; have we just not sampled much in late fall?
Inverts	Inverts (Bees)	☐	<i>Andrena asteroides</i>		An andrenid bee			GNR	SNR					N/A	Uncommon but scattered MD records. Late fall Symphyotrichum specialist; have we just not sampled much in late fall?
Inverts	Inverts (Bees)	☐	<i>Andrena atlantica</i>		An andrenid bee			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Andrena ceanothi</i>		Ceanothus miner bee			G5	SNR					N/A	Scattered records throughout MD. Not clear what it feeds on.
Inverts	Inverts (Bees)	☐	<i>Andrena erythrogaster</i>		Red-tailed mining bee	Red-bellied miner bee		GNR	SNR					N/A	One record from Central/Southern MD in 2006.

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Inverts	Inverts (Bees)	☐	<i>Andrena hirticincta</i>		Hairy-belted miner bee			GNR	SNR					N/A	Uncommon but scattered MD records. Late fall composite specialist; have we just not sampled much in late fall?
Inverts	Inverts (Bees)	☐	<i>Andrena integra</i>		Bare dogwood miner bee	Intact miner bee		GNR	SNR					N/A	At southern edge of range in MD.
Inverts	Inverts (Bees)	☐	<i>Andrena krigiana</i>		Dwarf-dandelion miner bee	An andrenid bee		GNR	SNR					N/A	Only a couple of MD records, but insufficient surveying on its host plant.
Inverts	Inverts (Bees)	☐	<i>Andrena macoupinensis</i>		Macoupin County miner bee			GNR	SNR					N/A	Scattered MD records as recent as 2019.
Inverts	Inverts (Bees)	☐	<i>Andrena melanochoa</i>		Rose miner bee			GNR	SNR					N/A	A couple records from this century in MD.
Inverts	Inverts (Bees)	☐	<i>Andrena milwaukeensis</i>		Milwaukee miner bee			G5	SNR					N/A	Three records from Western MD, although there are a good number of records nearby in PA and WV.
Inverts	Inverts (Bees)	☐	<i>Andrena miranda</i>		Singular miner bee			G5	SNR					N/A	Southern edge of range. One record from Western MD in 2021.
Inverts	Inverts (Bees)	☐	<i>Andrena neonana</i>		An andrenid bee			GNR	SNR					N/A	Very rare species with little information. A couple recent records from Central/Southern MD.
Inverts	Inverts (Bees)	☐	<i>Andrena nida</i>		An andrenid bee	A mining bee		GNR	SNR					N/A	Uncommon species; only a couple records in MD.
Inverts	Inverts (Bees)	☐	<i>Andrena nigrae</i>		Black miner bee			GNR	SNR					N/A	Only a couple records in MD. How uncommon is it?
Inverts	Inverts (Bees)	☐	<i>Andrena nivalis</i>		Snowy mining bee	Snow miner bee		G5	SNR					N/A	Southern edge of range. A couple of MD records.
Inverts	Inverts (Bees)	☐	<i>Andrena nubecula</i>		Cloudy-winged miner bee			GNR	SNR					N/A	Handful of recent MD records.
Inverts	Inverts (Bees)	☐	<i>Andrena obscuripennis</i>		An andrenid bee			GNR	SNR					N/A	Two recent records from Southern and Central MD. Habitat requirements unknown.
Inverts	Inverts (Bees)	☐	<i>Andrena placata</i>		Peaceful miner bee			GNR	SNR					N/A	Handful of recent MD records.
Inverts	Inverts (Bees)	☐	<i>Andrena platyparia</i>		Plated miner bee			GNR	SNR					N/A	Handful of MD records.
Inverts	Inverts (Bees)	☐	<i>Andrena polemonii</i>		Jacob's ladder miner			GNR	SNR					N/A	MD records from the 90s. Records in DE from the 2010s. If we're not looking for this species, we're not going to find it -- but it likely is still in the state. Found where Jacob's ladder is found.
Inverts	Inverts (Bees)	☐	<i>Andrena rehni</i>		Rehn's miner bee			GNR	SNR					Proposed RAPS	2019 rediscovery in Central/Southern MD. Work needed to assess rarity.
Inverts	Inverts (Bees)	☐	<i>Andrena rudbeckiae</i>		An andrenid bee			GNR	SNR					N/A	Scattered records in MD. Seems like there should be more given the prevalence of Rudbeckia.
Inverts	Inverts (Bees)	☐	<i>Andrena sigmundi</i>		Sigmund's miner bee			GNR	SNR					N/A	2015 record from Central/Southern MD. A handful of records to the north in PA. Wetland Salix specialist. MD is at the southern range edge of this species
Inverts	Inverts (Bees)	☐	<i>Andrena thaspia</i>		Parsnip miner bee			G5	SNR					N/A	Historic records from Western MD. Recent records just over border in PA.
Inverts	Inverts (Bees)	☐	<i>Andrena uvulariae</i>		An andrenid bee	A mining bee		GNR	SNR					N/A	One recent record from Central/Southern MD.
Inverts	Inverts (Bees)	☐	<i>Anthophora bomboidea</i>	<i>Anthophora neomexicana</i>	Bumblebee-like digger bee			G5	SNR					N/A	Handful of records in MD; unclear why rare. Seems to like rural areas more than urban gardens.
Inverts	Inverts (Bees)	☐	<i>Anthophora ursina</i>		Bear-like digger bee			G4G5	SNR					N/A	A couple recent records in the region. One 2025 record in Central MD; unknown why rare.

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Inverts	Inverts (Bees)	☑	<i>Bombus auricomus</i>		Black and gold bumble bee	Black-and-gold bumble bee		G5	SU			LC		N/A	100+ records in MD. Strongly associated with urban/suburban habitats. Found throughout the state/region, but fewer records than other common bumblebees. Are there threats associated with urban areas it occupies?
Inverts	Inverts (Bees)	☑	<i>Bombus citrinus</i>		Lemon cuckoo bumble bee			G4	SU			LC		RAPS	Around 100 records in MD. Found throughout the region. A nest parasite, strongly associated with <i>Bombus impatiens</i> , but also invades <i>B. bimaculatus</i> and <i>B. vagans</i> nests. Range in PA has severely contracted (95% loss) -- very dramatic and fast decline. Could this be because of pathogens?
Inverts	Inverts (Bees)	☐	<i>Bombus fervidus</i>	<i>Bombus californicus</i> , <i>Bombus fervida</i> , <i>Thoracobombus fervidus</i>	Yellow bumble bee	Golden northern bumble bee		G3G4	SNR			VU		RAPS	This species and the closely related <i>B. pennsylvanicus</i> have seen some recent declines in their populations. Those declines appear to be stabilized and have perhaps reversed.
Inverts	Inverts (Bees)	☐	<i>Bombus flavidus</i>	<i>Bombus fernaldae</i> , <i>Psithyrus fernaldae</i>	Flavid cuckoo bumble bee	Yellow cuckoo bumble bee		G5?	SNR			DD		N/A	One recent record from Western MD. More are to be expected; many recent specimens have been found in nearby WV and PA.
Inverts	Inverts (Bees)	☑	<i>Bombus pennsylvanicus</i>		American bumble bee			G3G4	S2S3			VU		RAPS	Hundreds of records in MD. Originally found throughout the state, but now mostly absent from the western sections of the state. Still regular throughout all Coastal Plain regions with scattered observations elsewhere, including Western MD. Decline seems to have stabilized.
Inverts	Inverts (Bees)	☑	<i>Bombus sandersoni</i>		Sanderson's bumble bee			G5	S3			LC		N/A	20+ records in MD. Primarily found in Western MD in the mountains. Some specimens identified as <i>Bombus vagans</i> in the past were likely <i>B. sandersoni</i> but misidentified as <i>B. vagans</i> . Newer information indicates that some <i>B. sandersoni</i> specimens lack the extensive white hairs on T4-5 (previously used by USGS in identification).
Inverts	Inverts (Bees)	☐	<i>Coelioxys alternatus</i>	<i>Coelioxys alternata</i>	Alternate cuckoo leafcutter bee			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Coelioxys germanus</i>	<i>Coelioxys germana</i>	A leafcutter bee			GNR	SNR					N/A	2014 record in Eastern MD.
Inverts	Inverts (Bees)	☐	<i>Coelioxys hunteri</i>		A leafcutter bee			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Coelioxys modestus</i>	<i>Coelioxys modesta</i>	Northeastern cuckoo leafcutter bee			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Coelioxys moesta</i>	<i>Coelioxys moestus</i>	Sad cuckoo leafcutter bee			GNR	SNR					N/A	One record from Western MD. Handful of records just over PA border.
Inverts	Inverts (Bees)	☐	<i>Coelioxys porterae</i>		Porter's cuckoo leafcutter bee			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Colletes brevicornis</i>		Short-horned plasterer bee			GNR	SNR					N/A	Suspected of being a specialist on at least some members of the Campanulaceae family (<i>Triodanis</i> , <i>Campanula</i>), some of which are quite common. So why is this bee species so uncommon?

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Bees)	☐	<i>Colletes ciliatus</i>		A cellophane bee			GNR	SNR					RAPS	Recent records of <i>C. ciliatus</i> come from Southern MD where it was captured on wetland dodder, which tend to be undersurveyed.
Inverts	Inverts (Bees)	☐	<i>Colletes compactus</i>		Compact plasterer bee			G5	SNR					N/A	Relatively uncommon. Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Colletes productus</i>	<i>Colletes producta</i>	A cellophane bee			GNR	SNR					N/A	Currently this species has been found only in one location in Central/Southern MD; however, there has not been much collection on the plant it was found on.
Inverts	Inverts (Bees)	☐	<i>Colletes simulans</i>		Spine-shouldered cellophane bee	Deceptive plasterer bee, A cellophane bee		G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Colletes solidaginis</i>		Goldenrod plasterer bee			GNR	SNR					N/A	One record in MD from 2020.
Inverts	Inverts (Bees)	☒	<i>Epeoloides pilosulus</i>	<i>Epeoloides pilosula</i>	Macropis cuckoo bee			G3	SH					RSGCN	Only historic records in MD. However, PA found record 0.5 miles north of MD in shale barren 2022.
Inverts	Inverts (Bees)	☐	<i>Epeolus andriyi</i>		Andrew's cuckoo nomad bee			GNR	SNR					N/A	Only two specimens known globally occur in Southern MD in 2018 <i>Epeolus</i> revision. Nest parasite of <i>Colletes</i> likely. What led to this revision? Could this be more common?
Inverts	Inverts (Bees)	☐	<i>Epeolus autumnalis</i>		Orange cuckoo nomad bee			GNR	SNR					N/A	Two recent records in Central/Southern MD.
Inverts	Inverts (Bees)	☐	<i>Epeolus lectoides</i>		Collector cuckoo nomad bee			GNR	SNR					N/A	Not much info. Handful of records in MD all come from Coastal Plain.
Inverts	Inverts (Bees)	☐	<i>Eucera atriventris</i>		Black-bellied long-horned bee			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Eucera dubitata</i>		A long-horned bee			GNR	SNR					N/A	Little information available. Seems to like tubular flowers. All records in MD are from Eastern MD, but other records are in the mountains.
Inverts	Inverts (Bees)	☐	<i>Holcopasites heliopsis</i>		False sunflower cuckoo nomad bee			GNR	SNR					N/A	Only one record in MD from 2012. Most other records are from the Great Plains. Are we sure this was identified correctly?
Inverts	Inverts (Bees)	☐	<i>Hoplitis simplex</i>		A leafcutter bee			GNR	SNR					N/A	Scattered in the Coastal Plain.
Inverts	Inverts (Bees)	☐	<i>Hylaeus floridanus</i>		A yellow-masked bee			GNR	SNR					N/A	One record from Western MD in 2013.
Inverts	Inverts (Bees)	☐	<i>Hylaeus georgicus</i>		A yellow-masked bee			GNR	SNR					N/A	Eight records in MD. Most come from a series of males found at the same location in Central/Southern MD; other is from a single specimen in Eastern MD.
Inverts	Inverts (Bees)	☐	<i>Hylaeus saniculae</i>		Sanicle yellow-faced bee			GNR	SNR					Proposed RAPS	One 2025 record from Central MD. Unclear habitat requirements.
Inverts	Inverts (Bees)	☐	<i>Hylaeus sparsus</i>		Carrot yellow-faced bee			GNR	SNR					N/A	Scattered records in MD. Little information.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum acuminatum</i>		Pointed sweat bee			G5	SNR					N/A	Southern edge of range. Only really found in Western MD, though there is one 2003 record from Central MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum albipenne</i>		White-winged sweat bee			G5	SNR					N/A	Most records are from the drier ridge and valley mountain regions, but there are a couple Coastal Plain records in DE as well.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum anomalum</i>		Anomalous sweat bee			G5	SNR					N/A	One very old record from MD (1917); more recent records come from Central/Southern and Western MD.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Bees)	☐	<i>Lasioglossum ascheri</i>		A sweat bee			GNR	SNR					N/A	Was synonymized with <i>L. curculum</i> in 2021. Super rare nest parasite. Haven't seen one in a while, but could easily still be in MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum atwoodi</i>		Atwood's sweat bee			G5	SNR					N/A	Newly described species with one record from Central/Southern MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum cinctipes</i>		Band-footed sweat bee			G5	SNR					N/A	Scattered records, a good number of which are from the same place in Central/Southern MD. Unclear pattern otherwise.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum creberrimum</i>		A sweat bee			GNR	SNR					N/A	Many records in Eastern MD, but only in a specific area. Is this species associated with salt marshes?
Inverts	Inverts (Bees)	☐	<i>Lasioglossum fattigi</i>		Fattig's sweat bee			G5	SNR					N/A	Legit record and species. A few records from Western MD. Generalist, so unsure as to why it's rarely found.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum forbesii</i>		Forbes's sweat bee	A sweat bee		G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum foveolatum</i>		Foveolate sweat bee			GNR	SNR					N/A	One found at a specific location in Central/Southern MD; small set found at another location in Southern MD. Both locations were large transmission lines running through woodlands.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum halophitum</i>		A sweat bee			GNR	SNR					N/A	Very regular along the coastline of MD (>500 records). However, since it is a saltmarsh specialist, possibly at risk.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum heterognathus</i>	<i>Dialictus heterognathus</i> , <i>Lasioglossum heterognathum</i>	Wide-mouthed sweat bee			G5	SNR					N/A	Likely regular species in the mountains. Records in Western MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum inconditum</i>		Misbehaved sweat bee			G5	SNR					N/A	Only a few records in MD; Western MD is southern edge of range.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum katherineae</i>		A sweat bee			GNR	SNR					N/A	Same reasoning as <i>Lasioglossum fattigi</i> . <i>Katherinae</i> was only described in 2011, so there's not a lot of historical data. Very similar morphologically to <i>L. fattigi</i> .
Inverts	Inverts (Bees)	☐	<i>Lasioglossum macoupinense</i>		Macoupin County sweat bee			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum michiganense</i>		Michigan sweat bee			GNR	SNR					N/A	Globally rare. Only known records of this species in this region of the US are from Washington, D.C. -- not MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum nigroviride</i>		Shiny black-bellied sweat bee			G5	SNR					N/A	Scattered individual records west of the Chesapeake Bay.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum oenotherae</i>		Evening primrose sweat bee			GNR	SNR					N/A	So far has been found in suburban disturbed areas. Could more dusk and dawn surveys yield more records?
Inverts	Inverts (Bees)	☐	<i>Lasioglossum pectinatum</i>		A sweat bee			GNR	SNR					RAPS	Only a handful of records across the country, two of which are in Western MD. Why is this bee not more common considering the prevalence of its host plant?
Inverts	Inverts (Bees)	☐	<i>Lasioglossum semicaeruleum</i>	<i>Dialictus semicaeruleum</i>	Half-blue sweat bee			GNR	SNR					N/A	Three specimens have been collected throughout MD. Species is very out of normal range (i.e., the western U.S.).

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Inverts	Inverts (Bees)	☐	<i>Lasioglossum taylorae</i>		Taylor's sweat bee			GNR	SNR					N/A	This recently described species is uncommon everywhere, but seems more prevalent in the mountains (Western MD).
Inverts	Inverts (Bees)	☐	<i>Lasioglossum timothyi</i>		Timothy's sweat bee			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Lasioglossum viridatum</i>		Eastern green sweat bee			G5	SNR					N/A	There is likely widespread confusion with other <i>Lasioglossum</i> species prior to the Gibbs revisions (2010, 2011); earlier specimens are simply labeled as <i>Lasioglossum viridatum</i> group and not included in the reported numbers. Later identified specimens appear almost entirely to be from Western MD.
Inverts	Inverts (Bees)	☐	<i>Megachile addenda</i>		Cranberry leafcutter bee			G5	SNR					N/A	Floral use tends towards the pea family (Fabaceae), not cranberry. Scattered records throughout MD.
Inverts	Inverts (Bees)	☐	<i>Megachile georgica</i>		A leafcutter bee			G4	SNR					N/A	MD is northern part of range. Found mostly in Central MD.
Inverts	Inverts (Bees)	☐	<i>Megachile inermis</i>		Unarmed leafcutter bee			G5	SNR					N/A	MD records restricted to Western MD, but has quite a wide continental range.
Inverts	Inverts (Bees)	☐	<i>Megachile latimanus</i>		Broad-handed leafcutter bee			G5	SNR					N/A	Recent records all come from Western MD, but past records as recent as the 1960s indicate that the species was regular at one time in the Washington, D.C. region. One of the few species for which we have clear evidence of a recent range retraction.
Inverts	Inverts (Bees)	☐	<i>Megachile montivaga</i>	<i>Megachile helianthi</i>	Hills leafcutter bee			G5	SNR					N/A	Scattered records throughout MD. Not too rare.
Inverts	Inverts (Bees)	☐	<i>Megachile mucida</i>		A leafcutter bee			G4	SNR					N/A	Existing records indicate that this may be a species associated with more barren, open landscapes.
Inverts	Inverts (Bees)	☐	<i>Megachile petulans</i>		Petulant leaf-cutter bee			G5	SNR					N/A	Prior to the Bee Lab's activity in the region, this species was unrecorded. Seems to be scattered throughout MD.
Inverts	Inverts (Bees)	☐	<i>Megachile pseudobrevis</i>	<i>Megachile brevis pseudobrevis</i>	A leafcutter bee			G4	SNR					N/A	This species is very similar to <i>M. brevis</i> and consequently often overlooked. The two MD records for this state are from Southern and Eastern MD. MD is the northern boundary for this species.
Inverts	Inverts (Bees)	☐	<i>Megachile relativa</i>		Relative leafcutter bee			G5	SNR					N/A	A northern species; populations run south in the Appalachians through Western MD.
Inverts	Inverts (Bees)	☐	<i>Melecta pacifica</i>		Pacific cuckoo bee			GNR	SNR					N/A	Only record in MD of this highly recognizable species collected in a single location in 2015.
Inverts	Inverts (Bees)	☐	<i>Melissodes communis</i>		Common long-horned bee			G5	SNR					N/A	One recent record from Southern MD.
Inverts	Inverts (Bees)	☐	<i>Melitta americana</i>		Cranberry oil bee			GNR	SNR					N/A	2024 record from Eastern MD, historical record from Western MD. What are they feeding on in Eastern MD?
Inverts	Inverts (Bees)	☐	<i>Melitta eickworti</i>		Deerberry melitta			GNR	SNR					N/A	One 2020 record in Western MD.

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Inverts	Inverts (Bees)	☐	<i>Melitta melittoides</i>		A melittid bee			GNR	SNR					RAPS	A decent number of MD records; likelihood that this species could be found on any of its host plant populations throughout the state. The current distribution may represent more of a lack of collecting activity than anything else.
Inverts	Inverts (Bees)	☐	<i>Nomada annulata</i>		A cuckoo nomad bee			GNR	SNR					N/A	Handful of records in MD.
Inverts	Inverts (Bees)	☐	<i>Nomada bethunei</i>		Bethune's cuckoo nomad bee			GNR	SNR					N/A	Handful of records in MD. Host unknown.
Inverts	Inverts (Bees)	☐	<i>Nomada erigeronis</i>		A cuckoo bee			GNR	SU					N/A	Represented only by a fairly recent MD record from 2015.
Inverts	Inverts (Bees)	☐	<i>Nomada graenicheri</i>		Graenicher's cuckoo nomad bee			GNR	SNR					N/A	Three recent records west of the Chesapeake Bay in the Coastal Plain.
Inverts	Inverts (Bees)	☐	<i>Nomada oblitterata</i>		Obliterated cuckoo nomad bee			GNR	SNR					N/A	Two records in MD. Scattered records, no clear pattern.
Inverts	Inverts (Bees)	☐	<i>Nomada placida</i>		Placid cuckoo nomad bee			GNR	SNR					N/A	Two recent records in the region.
Inverts	Inverts (Bees)	☐	<i>Nomada texana</i>	<i>Nomada heiligbrodtii</i>	A cuckoo bee			GNR	SNR					N/A	Handful of specimens. Until recently, there was a great deal of confusion between <i>N. tiftonensis</i> and <i>N. texana</i> ; the two species were recently disentangled, and identifications laid out morphologically and molecularly (Droege et al. 2010).
Inverts	Inverts (Bees)	☐	<i>Nomada tiftonensis</i>		A cuckoo bee			GNR	SNR					N/A	Handful of specimens. Until recently, there was a great deal of confusion between <i>N. tiftonensis</i> and <i>N. texana</i> ; the two species were recently disentangled, and identifications laid out morphologically and molecularly (Droege et al. 2010).
Inverts	Inverts (Bees)	☐	<i>Nomada vegana</i>	<i>Nomada modesta</i>	A cuckoo bee			GNR	SNR					N/A	2017 record from Central/Southern MD and 2006 record from Eastern MD. Seems to be associated with sandy areas.
Inverts	Inverts (Bees)	☐	<i>Osmia inspergens</i>		Shiny-faced mason bee			G5	SNR					N/A	Unknown floral associations; possible barren habitat specialist.
Inverts	Inverts (Bees)	☐	<i>Osmia virga</i>		Twig mason bee			G4	SNR					N/A	A relatively uncommon species, but not super rare. Feeds on ericaceous shrubs like blueberries.
Inverts	Inverts (Bees)	☐	<i>Panurginus atramontensis</i>		A miner bee			GNR	SNR					N/A	Recent record in Western MD.
Inverts	Inverts (Bees)	☐	<i>Perdita pallidipennis</i>	<i>Perdita bequaerti</i>	Bequaert's miner bee			GNR	SNR					N/A	One record from Southern MD.
Inverts	Inverts (Bees)	☐	<i>Protandrena andrenoides</i>		Small black miner bee			GNR	SNR					N/A	Handful of scattered records in MD.
Inverts	Inverts (Bees)	☐	<i>Protandrena compositarum</i>	<i>Pseudopanurgus compositarum</i>	A mining bee			GNR	SNR					N/A	Tends to be found on fall Bidens.
Inverts	Inverts (Bees)	☐	<i>Protandrena labrosiformis</i>	<i>Pseudopanurgus labrosiformis</i>	A mining bee			GNR	SNR					N/A	One MD record from 2012. Very little known about this species.
Inverts	Inverts (Bees)	☐	<i>Protandrena rudbeckiae</i>	<i>Pseudopanurgus rudbeckiae</i>	Rudbeckia miner bee			GNR	SNR					N/A	Only a couple of recent MD records. May not only feed on Rudbeckia -- why is this rare?
Inverts	Inverts (Bees)	☐	<i>Protandrena rugosa</i>	<i>Pseudopanurgus rugosus</i>	Rugose spurred-miner bee			GNR	SNR					N/A	MD is northern edge of range. Only one specimen found in Southern MD.
Inverts	Inverts (Bees)	☐	<i>Protandrena solidaginis</i>	<i>Pseudopanurgus solidaginis</i>	A mining bee			GNR	SNR					N/A	Handful of scattered records throughout MD.

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Inverts	Inverts (Bees)	☐	<i>Sphecodes antennariae</i>		A sweat bee			GNR	SNR					N/A	Scattered MD records of this nest parasite.
Inverts	Inverts (Bees)	☐	<i>Sphecodes banksii</i>		A sweat bee			GNR	SNR					N/A	Very rare nest parasite with only 2 records in MD, both from northern part of state.
Inverts	Inverts (Bees)	☐	<i>Sphecodes confertus</i>		Bi-lobed cuckoo sweat bee			GNR	SNR					N/A	Scattered records in Coastal Plain from about 15 years ago.
Inverts	Inverts (Bees)	☐	<i>Sphecodes davisii</i>		Davis's cuckoo sweat bee			GNR	SNR					N/A	One record in Southern MD from 2004.
Inverts	Inverts (Bees)	☐	<i>Sphecodes dichrous</i>		Scalloped cuckoo sweat bee			GNR	SNR					N/A	Only a few records in MD.
Inverts	Inverts (Bees)	☐	<i>Sphecodes fattigi</i>		A sweat bee			GNR	SNR					N/A	Only a few records in MD.
Inverts	Inverts (Bees)	☐	<i>Sphecodes heraclei</i>		Cyclops cuckoo sweat bee			GNR	SNR					N/A	Only a few records in MD. Unknown host.
Inverts	Inverts (Bees)	☐	<i>Sphecodes illinoensis</i>		Illinois cuckoo sweat bee			GNR	SNR					N/A	Have questions about its habitat, distribution, and host bee species. Range is mostly to the north of MD, but all of the bee species we would expect to be its host have primarily southern distributions.
Inverts	Inverts (Bees)	☐	<i>Sphecodes johnsonii</i>		Johnson's cuckoo sweat bee			GNR	SNR					N/A	MD records only at a specific site in Southern MD, but unsure if it is actually a habitat specialist. Unknown host.
Inverts	Inverts (Bees)	☐	<i>Sphecodes mandibularis</i>		Red-toothed cuckoo sweat bee			GNR	SNR					N/A	Only a few records in MD. Unknown host.
Inverts	Inverts (Bees)	☐	<i>Sphecodes pimpinellae</i>		Eastern cuckoo sweat bee			GNR	SNR					N/A	Only a few records in MD. Unknown host.
Inverts	Inverts (Bees)	☐	<i>Sphecodes townesi</i>		Townes's cuckoo sweat bee			GNR	SNR					N/A	Only a few records in MD. Unknown host.
Inverts	Inverts (Bees)	☐	<i>Stelis louisae</i>		Louisiana cuckoo carder bee			GNR	SNR					N/A	A nest parasite of resin-using leaf-cutting Bees (Megachile subgenus Chelostomoides) such as <i>M. campanulae</i> .
Inverts	Inverts (Bees)	☐	<i>Stelis nitida</i>		Healthy cuckoo carder bee			GNR	SNR					N/A	A single record from Central MD in 2022. Little natural history of this nest parasite is known. It is suspected of being a nest parasite of <i>Osmia bucephala</i> , whose range it nicely matches. Records are largely northern with specimens to the south of MD only found in the Appalachians.
Inverts	Inverts (Bees)	☐	<i>Stelis permaculata</i>		Sixteen-spotted cuckoo carder bee			GNR	SNR					N/A	One record in Central MD; however, could occur throughout the state based on the occurrence of its host(s).
Inverts	Inverts (Bees)	☐	<i>Tripeolus concavus</i>		Concave cuckoo nomad bee			GNR	SNR					N/A	A <i>Svastra obliqua</i> nest parasite. Occupies the Coastal Plain in MD.
Inverts	Inverts (Bees)	☐	<i>Tripeolus cressonii</i>		Eucera cuckoo nomad bee			GNR	SNR					N/A	Scattered records across MD. May be <i>Melissodes</i> nest parasite.
Inverts	Inverts (Bees)	☐	<i>Tripeolus distinctus</i>		A cuckoo bee			GNR	SU					N/A	Kleptoparasite species represented by an unknown number of individuals (possibly just one) collected in Southern MD in 2016.
Inverts	Inverts (Bees)	☐	<i>Tripeolus donatus</i>		A cuckoo bee			GNR	SNR					N/A	More natural history for this species is needed, particularly host species. May actually be <i>Melissodes desponsus</i> . One record in Washington, D.C. in 2004.
Inverts	Inverts (Bees)	☐	<i>Tripeolus eliseae</i>		A cuckoo bee			GNR	SNR					N/A	Newly described species found at two sites in MD.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Bees)	☐	<i>Tripeolus obliterated</i>		Erased cuckoo nomad bee			GNR	SNR					N/A	One record from Southern MD in 2007.
Inverts	Inverts (Bees)	☐	<i>Tripeolus pectoralis</i>		White-breasted cuckoo nomad bee			GNR	SNR					N/A	Only 1 recent record from Eastern MD.
Inverts	Inverts (Bees)	☐	<i>Tripeolus quadrifasciatus</i>		A cuckoo bee			GNR	SNR					N/A	Only 1 recent collection in Central/Southern MD in 2017.
Inverts	Inverts (Bees)	☐	<i>Tripeolus rhododontus</i>		Red-lipped cuckoo nomad bee			GNR	SU					N/A	A globally uncommon species. Only has a single oddly-placed MD record from 2019.
Inverts	Inverts (Tiger Beetles)	☒	<i>Apterodela unipunctata</i>	<i>Cylindera unipunctata</i> , <i>Cicindela unipunctata</i>	One-spotted tiger beetle		Cicindela unipunctata in 2015 SWAP.	G4	S3					N/A	Likely relatively common in MD, but not often found. Could be better surveyed through pitfall trapping. Apparently reported to fly in GA, but not CT, so clearly need to answer some questions.
Inverts	Inverts (Tiger Beetles)	☐	<i>Cicindela formosa</i>		Big sand tiger beetle			G5	SU					N/A	On MD's rare / threatened / endangered species list. Has not been found in recent years; most recent record from Western MD. May or may not be extirpated from the state.
Inverts	Inverts (Tiger Beetles)	☒	<i>Cicindela scutellaris</i>		Festive tiger beetle			G5	S3					N/A	Only this (color) morph is found in MD. A good number of records in Coastal Plain. Work needed to understand habitat requirements.
Inverts	Inverts (Tiger Beetles)	☐	<i>Cicindelidia trifasciata</i>	<i>Cicindela trifasciata</i>	S-banded tiger beetle			G5	SNR					N/A	Southern species that has a large dispersal range and has been found in Southern MD. There is a chance it will become more established in MD, but for now, it is considered a vagrant.
Inverts	Inverts (Tiger Beetles)	☐	<i>Tetracha carolina</i>	<i>Megacephala carolina</i>	Pan-American big-headed tiger beetle			G5	SNR					N/A	Recently recorded in Eastern MD. This is the sister species of another beetle (Virginica) that has been found in MD for some time. A southern species moving north. Would like to continue surveying efforts.
Inverts	Inverts (Fireflies)	☐	<i>Lucidota punctata</i>	<i>Lychnuris punctata</i>	Spotted firefly	Tiny Lucy		G5?	SNR					N/A	Confirmed presence in both PA and WV. Scattered records in MD. Main needs related to research and surveying.
Inverts	Inverts (Fireflies)	☐	<i>Phausis inaccensa</i>		Shadow ghost			G5	SNR			LC		N/A	Ranked S1? in WV. Found very close to MD, just over WV border. Not often found in surveys.
Inverts	Inverts (Fireflies)	☐	<i>Phengodes laticollis</i>		Railroad-worm			GNR	SNR					N/A	Somewhat uncommon species in WV found close to the MD border. Main concerns have to do with survey needs.
Inverts	Inverts (Fireflies)	☐	<i>Phengodes plumosa</i>		Plumose glowworm beetle			GNR	SNR					N/A	General lack of understanding/data regarding this species. Main concerns have to do with survey needs.
Inverts	Inverts (Fireflies)	☐	<i>Photinus carolinus</i>		Synchronous firefly	Smokies synchronous firefly		G4	SNR			LC		Proposed RAPS	Believe this species is present in Western MD, but not yet 100% certain. Relatively common species in WV.
Inverts	Inverts (Fireflies)	☐	<i>Photinus consanguineus</i>	<i>Photinus consanguinea</i> , <i>Photinus vittigera</i> , <i>Photinus zonatus</i>	Consanguineous firefly			G5?	SNR					N/A	Close to certain this species is being found in WV near the MD border, but not 100% sure about sightings in MD itself. Need to resolve taxonomy.
Inverts	Inverts (Fireflies)	☐	<i>Photinus consimilis</i>		Similar firefly	Cattail flash-train firefly		GU	SNR					Proposed RAPS	Ranked S2 in WV. In MD, main needs related to research and surveying.
Inverts	Inverts (Fireflies)	☐	<i>Photinus jamesi</i>	<i>Photinus greeni</i> , <i>Ellychnia greeni</i>	Green's firefly	A firefly sp.		G4	SNR					N/A	Need to resolve taxonomy. Also, scientific name may be outdated.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Fireflies)	☐	<i>Photinus macdermotti</i>		Mr. Mac			G4G5	SNR					N/A	Need to resolve taxonomy.
Inverts	Inverts (Fireflies)	☐	<i>Photinus obscurus</i>	<i>Photinus obscurella</i>	Obscure firefly	Murky flash-train		G4G5	SNR					N/A	Have a handful of Maryland Biodiversity Project records in Western MD. Has also been found in WV just over the state border.
Inverts	Inverts (Fireflies)	☐	<i>Photuris appalachianensis</i>		Appalachian dot-dash firefly			?	?					N/A	In MD, only known from one site in Garrett County. May have also been recently found in WV; unsure.
Inverts	Inverts (Fireflies)	☐	<i>Photuris cinctipennis</i>		Belted firefly			G1G2	SNR					RSGCN	Hard to differentiate from <i>Photuris hebes</i> . Almost seems like there's a continuum of difference between the two; might be either one or three separate species. Not 100% sure these records are actually <i>Photuris cinctipennis</i> . Need to do genetic tests.
Inverts	Inverts (Fireflies)	☐	<i>Photuris pennsylvanica</i>	<i>Lampyrus pennsylvanica</i> , <i>Photuris pensylvanicus</i>	Dot-dash firefly	Pennsylvania firefly		G3?	SNR					RSGCN	Have some records in Central MD, but very little data overall.
Inverts	Inverts (Fireflies)	☐	<i>Pollaelasmus bifaria</i>		Bifid-horned firefly	Branched Polly		GU	SNR			DD		N/A	Probably been encountered less than 100 times total. Only been seen in MD a couple of times. Non-flashing diurnal species.
Inverts	Inverts (Fireflies)	☐	<i>Pyractomena dispersa</i>		Long-range firefly beetle	Marsh flicker		GU	SNR					N/A	Confirmed presence in WV. Scattered records in MD. Main needs related to research and surveying.
Inverts	Inverts (Fireflies)	☐	<i>Pyractomena lucifera</i>		Marsh imp firefly			GU	SNR					N/A	Suspected presence in this region, but multiple surveys in nearby WV have turned up nothing over the years. Have two Maryland Biodiversity Project records in Eastern MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Acroneuria arenosa</i>		Eastern stone			G4?	SNR					N/A	Have scattered records in MD from before 2000. Most recent record (2020) is from Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Adicropheps hitchcocki</i>		A brachycentrid caddisfly			G3G4	SNR					Proposed RSGCN	Rarely reported from MD. Ranked S2 in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocaupnia aurora</i>		Aurora snowfly			G5	SNR					N/A	Have a few scattered records of this species in MD. Appears to usually have more of a southeastern range. Ranked S4 in PA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocaupnia frum</i>		Monongahela snowfly			G2G3	SNR					RSGCN	Have records in Western MD, some in already protected areas. Listed as SGCN in an adjacent state, but not in MD. Ranked S2 in WV.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocaupnia harperi</i>		Stonyfork snowfly			G4	SNR					RSGCN	Have records in Western MD. Listed as SGCN in an adjacent state, but not in MD. Ranked S3 in PA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocaupnia illinoensis</i>		Illinois snowfly			G3	SNR					RSGCN	Have records in Western MD from the 90s. Listed as SGCN in an adjacent state, but not in MD. Ranked S2 in VA and S3 in PA. Considered extirpated or critically imperiled in the Midwest.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocaupnia pechumani</i>		Saint Lawrence snowfly	St. Lawrence snowfly		G3	SNR					N/A	Have a single record of this species in Western MD. Generally appears to be a more northerly species. Ranked S3 in PA.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocapnia simmonsii</i>		Spatulate snowfly			G3	SNR					RSGCN	Have one record of this species from Western MD. Listed as SGCN in an adjacent state, but not in MD. Ranked S1 in VA and S2 in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Allocapnia virginiana</i>		Virginiana snowfly			G5	SNR					N/A	A few records in Southern MD. This appears to be the species' northern edge of its range.
Inverts	Inverts (Aquatic Orders)	☒	<i>Alloperla aracoma</i>		Aracoma sallfly			G3	SNR					RSGCN	Was a data deficient SGCN in previous SWAP. A few records for this species in Western MD. Ranked S1 in WV and S3 in PA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Alloperla atlantica</i>		Atlantic sallfly			G4?	SNR					N/A	Have 2020 records of this species from Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Alloperla petasata</i>		Woodlands sallfly			G4?	SNR					N/A	Have 2020 records of this species from Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Anisocentropus pyraloides</i>		Spatulate long-horned caddisfly	A caddisfly		G5	SNR					N/A	Found in MD's Coastal Plain occasionally, southeastern to NJ. Ranked S1 in DE but probably more stable further south. 2006 collection in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Anthopotamus verticis</i>	<i>Potamanthus walkeri</i>	Walker's tusked sprawler			G4G5	SU					RAPS	Recent records in Central MD and just over the border in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Apatania incerta</i>	<i>Apatania blacki</i> , <i>Apatania praevolans</i> , <i>Apatania rossi</i>	Doubtful mountain caddisfly			G4	SNR					N/A	Found infrequently in Western MD, although more common in recent years.
Inverts	Inverts (Aquatic Orders)	☐	<i>Attaneuria ruralis</i>		Giant stone			G4	SNR					N/A	Have historic records of this species in Central MD; more recent records are in Western MD. Listed as SGCN in an adjacent state, but not in MD. Ranked SH in PA. Wide range, but appears extirpated in the Midwest and vulnerable elsewhere.
Inverts	Inverts (Aquatic Orders)	☐	<i>Attenella attenuata</i>		Tapered spiny crawler mayfly			G4	SNR					N/A	2022 record from northern Central MD. Southernmost record.
Inverts	Inverts (Aquatic Orders)	☐	<i>Bolotoperla rossi</i>		Smoky willowfly			G4G5	SNR					N/A	Have two records of this species in Western MD. Listed as SGCN in an adjacent state, but not in MD. Ranked S4 in PA and S2 in TN and NC.
Inverts	Inverts (Aquatic Orders)	☐	<i>Brachycentrus incanus</i>		Hoary humpleless caddisfly	A caddisfly		G3G5	SNR					Proposed RSGCN	One old record from Washington, D.C. Also a proposed regional species of greatest conservation need.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ceraclea neffi</i>		A longhorned caddisfly			G5	SNR					N/A	No official MD records, but collected occasionally. Also found in WV and ranked S2 in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ceraclea punctata</i>		Dotted long-horned caddisfly	A ceracean caddisfly		G4G5	SNR					Proposed RAPS	Recorded in MD. Ranked S2 in VA.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Aquatic Orders)	☒	<i>Ceraclea spongillovorax</i>		A longhorned caddisfly			G3G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Several records from the Potomac River in the 80s, occasionally recorded since then. NatureServe (2005) notes that this species is found from Illinois and Indiana south along the Mississippi Basin, though it has not been recorded in any states surrounding MD. Unsure of the status of this particular species.
Inverts	Inverts (Aquatic Orders)	☒	<i>Ceraclea uvalo</i>		Spatulate long-horned caddisfly			G3	SNR					RSGCN	Was a data deficient SGCN in previous SWAP. Have one record in MD and another record from VA just over the border.
Inverts	Inverts (Aquatic Orders)	☒	<i>Cernotina pallida</i>		Pale trumpet-net caddisfly	A caddisfly	A caddisfly in 2015 SWAP.	G3G4	SNR					RAPS	Was a data deficient SGCN in previous SWAP. Recorded in MD. Ranked SH in VA. There are also some southern species of Cernotina in VA that are S1, but they seem too far out of range.
Inverts	Inverts (Aquatic Orders)	☒	<i>Cheumatopsyche parentum</i>		A hydropsychid caddisfly			G3	SNR					N/A	Was a data deficient SGCN in previous SWAP. Old records in MD and VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Culoptila plummerensis</i>		A saddlecase caddisfly			G3G4	SNR					N/A	Collected regularly in low numbers from certain sites in Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Cultus verticalis</i>		Spiny springfly			G4?	SNR					N/A	Have a single 1998 record from Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Dibusa angata</i>		Angulated microcaddisfly			G4G5	SNR					N/A	Rarely collected in Western MD. Dependent on Lemanea australis red algae for food and case materials.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ephemera blanda</i>	<i>Ephemera triplex</i>	West Virginia burrowing mayfly			G5	SNR					RAPS	Recent records from Central, mostly Western MD. No known PA records.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ephemerella excrucians</i>	<i>Ephemerella argo</i> , <i>Ephemerella crenula</i> , <i>Ephemerella inermis</i> , <i>Ephemerella lacustris</i> , <i>Ephemerella ora</i> , <i>Ephemerella rama</i> , <i>Ephemerella rossi</i>	Lowlands spiny crawler mayfly	A mayfly		G5	SNR					N/A	Records from both Western and Central MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ephemerella invaria</i>	<i>Ephemerella choctawhatchee</i> , <i>Ephemerella fratercula</i> , <i>Ephemerella inconstans</i> , <i>Ephemerella rotunda</i> , <i>Ephemerella simila</i>	Sulphur spiny crawler mayfly	A mayfly		G4G5	SNR					N/A	18 records from Central MD. Habitat is not well known, but it's associated with small to medium streams. Also found in PA.

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Inverts	Inverts (Aquatic Orders)	☐	<i>Ephoron leukon</i>		Tracheated white burrowing mayfly			G5	SNR					N/A	In Potomac, Susquehanna, maybe other large rivers. Concerns about noticeable declining White fly hatch from fly-fishermen, which have been relayed to DNR fisheries.
Inverts	Inverts (Aquatic Orders)	☐	<i>Eurylophella bicolor</i>		Nova Scotia spiny crawler mayfly	Bicolor spiny crawler mayfly		G4G5	SNR					RAPS	Records from Western MD, including one in 2021.
Inverts	Inverts (Aquatic Orders)	☐	<i>Hansonoperla appalachia</i>		Appalachian stone	Hanson's Appalachian stone		G3	SNR					RSGCN	Have records from a single site in Western MD in the 90s. Listed as SGCN in an adjacent state, but not in MD. Ranked S2 in PA and WV.
Inverts	Inverts (Aquatic Orders)	☐	<i>Heteroplectron americanum</i>		American comb-lipped caddisfly			G4	SNR					Proposed RSGCN	Occasionally encountered in MBSS samples, only put it on this list because it is S2 in VA. Probably isn't as threatened in MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Homoplectra doringa</i>		A hydropsychid caddisfly			G4	SNR					N/A	Records in surrounding states; ranked S3 in VA. We get Homoplectra larvae rarely; unsure which species
Inverts	Inverts (Aquatic Orders)	☐	<i>Homoplectra monticola</i>	<i>Aphropsyche monticola</i>	A hydropsychid caddisfly			G2G3	SNR					Proposed RSGCN	Records in surrounding states; ranked S2 in VA. We get Homoplectra larvae rarely; unsure which species
Inverts	Inverts (Aquatic Orders)	☒	<i>Hydropsyche brunneipennis</i>		A net-spinning caddisfly	A scalaris trichopteran		G3G4	S3					N/A	Found in the Potomac River(?) in the 80s, where/when it was described as a new species. Currently ranked as S3 in MD. Have not found any information on why it was given this rank.
Inverts	Inverts (Aquatic Orders)	☒	<i>Hydropsyche hoffmani</i>		A net-spinning caddisfly			G3G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. Prefers the flat surfaces on the tops of boulders in deep, fast running water, which may lead to undersampling of its larval habitat. Has been recorded in VA, DE, MD, and WV, though it is never common.
Inverts	Inverts (Aquatic Orders)	☐	<i>Lepidostoma sommermanae</i>		Sommerman's bizarre caddisfly			G3G4	SNR					N/A	Recorded in MD. Ranked S1 in NY.
Inverts	Inverts (Aquatic Orders)	☐	<i>Leucotrichia pictipes</i>		A ring-horn microcaddisfly	Painted-foot microcaddisfly		G5	SNR					N/A	One record in MD in 2007 from the Patapsco River.
Inverts	Inverts (Aquatic Orders)	☐	<i>Leucrocuta juno</i>		Juno's flat-headed mayfly			G4?	SNR					Proposed RAPS	Habitat is medium streams to large rivers, mostly in PA. Scattered recent records in MD
Inverts	Inverts (Aquatic Orders)	☐	<i>Leucrocuta thetis</i>		A flat-headed mayfly			G3G4	SNR					N/A	Recorded in Western MD in 2023. No known PA records.
Inverts	Inverts (Aquatic Orders)	☐	<i>Leucrocuta umbratica</i>		Shady flat-headed mayfly			G4?	SNR					Proposed RAPS	Recorded in Central MD in 2023.
Inverts	Inverts (Aquatic Orders)	☐	<i>Leucrocuta walshi</i>		Walsh's flat-headed mayfly			G4?	SNR					Proposed RAPS	Recorded in Western MD in 2019.
Inverts	Inverts (Aquatic Orders)	☐	<i>Litobrancha recurvata</i>		Brown drake mayfly			G4	SNR					N/A	Only records in our database are from a few sites in Western MD. Mainly a northeastern species, somewhat rare in Southeast.

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Inverts	Inverts (Aquatic Orders)	☐	<i>Molanna uniophila</i>		Faithful hood caddisfly			G5?	SNR					N/A	Recorded in Central MD in the 1970s. Ranked S1 in VA and NY.
Inverts	Inverts (Aquatic Orders)	☐	<i>Neoleptophlebia assimilis</i>	<i>Paraleptophlebia assimilis</i>	Southeastern prong-gilled mayfly			G3	SNR					RAPS	Recorded in Western MD in 2008. No known PA records.
Inverts	Inverts (Aquatic Orders)	☐	<i>Neophylax mitchelli</i>		Mitchell's autumn mottled sedge	Mitchell's little caddisfly		G3G4	SNR					N/A	One 2006 record at Patuxent.
Inverts	Inverts (Aquatic Orders)	☐	<i>Neophylax stolus</i>		A thremmatid caddisfly	An uenoid caddisfly		G3G4	SNR					N/A	Recorded in MD. Ranked.S3 in VA, S1 in NY.
Inverts	Inverts (Aquatic Orders)	☐	<i>Neophylax virginica</i>		A thremmatid caddisfly	An uenoid caddisfly		GNR	SNR					N/A	Found in the Potomac. Very limited distribution in large rivers from MD to NC. Ranked S1 in NC.
Inverts	Inverts (Aquatic Orders)	☐	<i>Nixe inconspicua</i>	<i>Heptagenia inconspicua</i> , <i>Afghanurus inconspicua</i>	Inconspicuous flat-headed mayfly			G4G5	SNR					Proposed RAPS	Recent scattered records in MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Nixe rusticalis</i>	<i>Afghanurus rusticalis</i>	Rusty flat-headed mayfly			G4	SNR					RSGCN	Recorded in Central/Western MD in 2021.
Inverts	Inverts (Aquatic Orders)	☐	<i>Oligostomis pardalis</i>		Panther giant caddisfly			G4G5	SNR					N/A	Genus has been recorded by MBSS, and this species is the most likely to occur in MD. Ranked S1 in VA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Ostrocerca complexa</i>		Notched forestfly			G4?	SNR					N/A	Have records in Western MD. Listed as SGCN in an adjacent state, but not in MD. Ranked S1 in WV, S2 in VA, and S4 in PA.
Inverts	Inverts (Aquatic Orders)	☐	<i>Padunia jeanae</i>	<i>Matrioptila jeanae</i>	A caddisfly			G4	SNR					N/A	Southeastern species, S2 or S3 in parts of its range. Our MBSS records come from a sentinel site which may represent the northern limit of its range. It has been collected multiple times from this site.
Inverts	Inverts (Aquatic Orders)	☐	<i>Palaeagapetus celsus</i>		Lofty microcaddisfly			G4	SNR					N/A	Two records from MBSS collected in Western MD. Ranked S2 in NY and NC.
Inverts	Inverts (Aquatic Orders)	☐	<i>Perlesta teaysia</i>	<i>Perlesta napacola</i>	Teays stone			G4	SNR					N/A	Some scattered records in MD from the 90s. Most recent record (2020) is from Western MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Perlinella drymo</i>		Striped stone			G4G5	SNR					N/A	Have one record in Central MD from an unknown year. Listed as SGCN in an adjacent state, but not in MD. Ranked S3 in PA. Relatively widespread range.
Inverts	Inverts (Aquatic Orders)	☐	<i>Polycentropus carlsoni</i>		Carlson's polycentropus caddisfly			G2G3	SNR					N/A	Ranked G2. Have records from nearby county in VA, and there's another apparent record of a male from Central MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Potamyia flava</i>		Yellow net-spinning caddisfly	A caddisfly		G5	SNR					N/A	Large river caddisfly taken from Potomac River. SH in VA; thought to be in decline. Habitat is poorly sampled. Mostly collected in our samples from the Potomac in the 70s; last sample was 2001 during MBSS. Also have a 2021 iNaturalist record from Central MD.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Aquatic Orders)	☒	<i>Protophila georgiana</i>		A caddisfly			G3G4	SNR					N/A	Was a data deficient SGCN in previous SWAP. One record in MD from 2006; the Potomac River seems to be the northern edge of its range.
Inverts	Inverts (Aquatic Orders)	☐	<i>Pteronarcys comstocki</i>		Spiny salmonfly			G4?	SNR					N/A	One very recent confirmed record in Western MD. Had not previously been recorded in the state and is quite rare this far south in its range.
Inverts	Inverts (Aquatic Orders)	☐	<i>Shipsa rotunda</i>		Intrepid forestfly			G4	SNR					N/A	Spotty records throughout MD, some quite old. Known from the piedmont and upper Coastal Plain regions of MD.
Inverts	Inverts (Aquatic Orders)	☐	<i>Soyedina kondratieffi</i>		Southeastern forestfly			G4	SNR					N/A	Disjunct distribution; in MD, only known from Western MD. Ranked S1 in NC.
Inverts	Inverts (Aquatic Orders)	☒	<i>Utaperla gaspesiana</i>		Gaspe sallfly	Gaspé sallfly		G3	SNR					RSGCN	Was a data deficient SGCN in previous SWAP. Have records from a single site in Western MD in the 90s. Ranked S1 in WV and S2 in PA.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Acanthocyclops columbiensis</i>		A cyclopoid copepod	A copepod	A copepod in 2015 SWAP.	G1	SNR					N/A	Was a data deficient SGCN in previous SWAP. No records of this species in our database. This is a group where there are some rare species that may be in need of conservation, but we just do not know enough about them yet.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Agyneta bronx</i>		A linyphiid spider			GNR	SNR					N/A	Only known from one cave in MD. More research needed.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Annapolis mossi</i>		Moss Annapolis money spider	A linyphiid spider		GNR	SNR					N/A	Known from 1940s collection in a Central/Southern MD wetland. Recent interest in trying to collect this again and find the locality where this was first collected.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Arrhopalites sp. 1</i>		Crabtree cave springtail			GNR	SU					N/A	Was a data deficient SGCN in previous SWAP. Only found in one cave. Last record was from 1980, but not sure if anyone has looked since then.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Attheyella spinipes</i>		A cyclopoid copepod			GNR	SU					N/A	On MD's rare / threatened / endangered species list. Need more information on population and species range. Found frequently in surrounding states. Have 1986 records from just over the border in Washington, D.C.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Conasellus sp. 1</i>	<i>Caecidotea sp. 1</i>	Poplar Creek isopod		Was not in 2015 SWAP, but referred to elsewhere as <i>Caecidotea sp. 1</i> .	G1	S1					N/A	On MD's rare / threatened / endangered species list. Found in Southern MD. Have not collected any male specimens, which has made describing the species difficult. Have also lost access to the property in the years since this record. May in fact be <i>Conasellus hobsoni</i> or <i>Conasellus nodulus</i> ; more work required.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Crangonyx stagnicolous</i>		An amphipod	A freshwater amphipod		G2	SNR					N/A	Was a data deficient SGCN in previous SWAP. Described from dissertation in 1997. Does not look like other records have been found since.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Cave & Groundwater)	☐	<i>Dactylocythere scotos</i>		An entocytherid ostracod			GNR	S1					N/A	On MD's rare / threatened / endangered species list. Included on the 2005 SGCN list but was removed for the 2015 list. Does not seem to have been observed beyond its initial description.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Diacyclops palustris</i>		A cyclopoid copepod			GNR	SU					N/A	On MD's rare / threatened / endangered species list. Have a 1986 record from just over the border in Washington, D.C.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Donnaldsoncythere donnaldsonensis</i>		Donaldson's cave ostracod			G3	SNR					N/A	Was a data deficient SGCN in previous SWAP. Know little about this species; believe it lives on crayfish.
Inverts	Inverts (Cave & Groundwater)	☐	<i>Oreonetides beattyi</i>		Beatty's sheetweb cave spider	A linyphiid spider		GNR	SNR					N/A	Described species with specimen from Western MD. Along with other cave spider species, needs additional review/understanding of current distribution.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Oreonetides sp. 1</i>		Snively's cave spider			GNR	SU					N/A	Was a data deficient SGCN in previous SWAP. Last observed in 1986. Specimen(s) should be reviewed for species determination; looks like male is still needed.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Phagocata dissimilis sp. nov.</i>		A planarian			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Found in 1999 in Central MD.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Phagocata projecta sp. nov.</i>		A planarian			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Found in 1990 in Western MD.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Phagocata virilis</i>		A planarian			GNR	S1					N/A	Have three records scattered throughout MD (Western, Eastern, and Southern). Difficult to tell apart from more common species; has the potential to be more widespread than we think. Would be good to have more data on.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Porhomma cavernicola</i>	<i>Porhomma cavernicola</i>	Appalachian cave spider	Cave-dwelling wide-eyed sheetweaver		G5	S2					N/A	Widespread throughout caves in this region. 6 records in MD throughout 3 counties. Relatively easy species to find if you're looking for them. Adds to the biodiversity of the cave climate; not a rare species itself, but an important part of a rare community.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Pseudanophthalmus sp. 15</i>		A cave beetle			G1	S1					N/A	Discovered in two localities in MD. Was identified as a new species when first records were found. Very difficult to survey, and original specimens were lost. Also the northernmost Pseudanophthalmus recorded.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Sphalloplana cava sp. nov.</i>		A planarian			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Found in 1990 in Western MD.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Sphalloplana sp. 1</i>		A planarian			GNR	S1S2					N/A	A handful of records from Western MD. Various properties where specimens have been found are threatened for various reasons; however, most records in MD are pre-2000.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus allegheniensis</i>		Allegheny cave amphipod			G5	S2S3		I			N/A	Many records for this species. Might actually be a conglomerate of cryptic species, particularly given its large range. Would be great to do genetic sequencing.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus sp. 14</i>		Roundtop amphipod			GNR	S1					N/A	Single confident spot in Western MD from 1985 records. Other mid-90s records in Western and Central MD may or may not be same species. Want to do more work to figure out which species are actually found where. Also needs to be described.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus sp. 5</i>		Barrelville amphipod			GNR	S1					N/A	Data deficient species. Found in 1990 in Western MD.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus sp. 6</i>		Devil's Hole cave amphipod			GNR	S1					N/A	1985 records from Western MD. Locations now on private land.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus tenuis potomacus</i>		Potomac amphipod	Potomac groundwater amphipod, Potomac stygobromid		G4T4	S3					N/A	Likely a complex of a cryptic species. Lots of records all across MD and in Washington, D.C. in springs and seeps.
Inverts	Inverts (Cave & Groundwater)	☒	<i>Stygobromus tenuis tenuis</i>		Slender amphipod	Tenuis amphipod, Slender stygobromid, Piedmont groundwater amphipod	Tenuis amphipod in 2015 SWAP.	G4T4	SU					N/A	Was a data deficient SGCN in previous SWAP. Records from the mid-2000s. Records scattered around Coastal Plain seeps.
Inverts	Inverts (Other)	☐	<i>Adalia bipunctata</i>		Two-spotted ladybug	Two-spotted lady beetle		G5	SNR					N/A	Probably historic species. 2021 record in Baltimore, but may have just come in with the produce. Is it considered invasive?
Inverts	Inverts (Other)	☐	<i>Coccinella novemnotata</i>		Nine-spotted ladybug	Nine-spotted lady beetle		G5	SNR					N/A	Is it considered invasive?
Inverts	Inverts (Other)	☐	<i>Cotalpa lanigera</i>	<i>Cotalpa lanigerus</i>	Goldsmith beetle	Goldsmith shiny leaf chafer		G5	SNR					N/A	Few records, only found on Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Curculio caryatrypes</i>		Greater chestnut weevil	Larger chestnut weevil		GNR	SNR					N/A	Declared extinct in 2017. However, there have since been multiple records in the mid-Atlantic from VA and DE. None yet in MD.
Inverts	Inverts (Other)	☐	<i>Curculio sayi</i>		Lesser chestnut weevil	Small chestnut weevil		GNR	SNR					N/A	May have been recently found in MD, but record still unconfirmed. Usually only see larvae, which is hard to ID. Has very much decreased since historic times.
Inverts	Inverts (Other)	☐	<i>Dicranopselaphus variegatus</i>	<i>Alabameubria starki</i>	Variegated false water penny beetle			G1G3	SNR					N/A	Apparently previously collected in MD, although cannot find any other MD records or information.
Inverts	Inverts (Other)	☒	<i>Dryobius sexnotatus</i>		Six-banded longhorn beetle			GNR	S1		E	NE		N/A	Day active longhorn beetle, which is pretty unusual. Difficult to catch; likely more common than we think based on sightings. Need to look further into pheromone traps as a method of catching/surveying species, as light traps do not work.
Inverts	Inverts (Other)	☐	<i>Dynastes tityus</i>		Eastern Hercules beetle			GNR	SNR					N/A	Many records in MD, but ash is a preferred host (adults feed on ash sap). Want to keep an eye on due to ash preference.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Other)	☐	<i>Hippodamia glacialis</i>		Glacial lady beetle			G5	SNR					N/A	Few records in MD. May be threatened by invasive ladybugs.
Inverts	Inverts (Other)	☐	<i>Hydrochara occultus</i>		A hydrophilid beetle	A water scavenger beetle		GNR	SU					N/A	On MD's rare / threatened / endangered species list. Given its ranking of SU and a general lack of info, put on SAPS rather than SGCN list.
Inverts	Inverts (Other)	☐	<i>Hydrocolus deflatus</i>		A predaceous diving beetle			GNR	S3					N/A	On MD's rare / threatened / endangered species list. Uncommonly collected in surveys, although other species of this genus are common.
Inverts	Inverts (Other)	☒	<i>Hylesinus criddlei</i>		Northern ash bark beetle			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. No MD records, but low chance of adequate surveys up until this point. Ash dependent species.
Inverts	Inverts (Other)	☒	<i>Hylesinus fasciatus</i>		White-banded ash bark beetle			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. No MD records, but low chance of adequate surveys up until this point. Ash dependent species.
Inverts	Inverts (Other)	☐	<i>Laccophilus schwarzi</i>		Schwarz' diving beetle			GNR	SX					N/A	On MD's rare / threatened / endangered species list. Only MD record is from before 1917; has not been seen since. Likely difficult to find/identify.
Inverts	Inverts (Other)	☐	<i>Lordithon niger</i>		Black lordithon rove beetle			GU	SNR					N/A	Was found in a pitfall trap in 2023. Considered extirpated from much of the northeast.
Inverts	Inverts (Other)	☐	<i>Lucanus elaphus</i>		Giant stag beetle			G3G5	SU					N/A	On MD's rare / threatened / endangered species list. Have been recent (last ~2 years) findings in Southern MD. Was also recently found in Eastern MD for the first time in a while. Numbers seem to be increasing in MD; would like to do a better assessment of this species.
Inverts	Inverts (Other)	☐	<i>Lutrochus laticeps</i>		Wide-headed travertine beetle			GNR	SNR					N/A	Rare habitat specialist beetle historically recorded from MD.
Inverts	Inverts (Other)	☐	<i>Nephus gordonii</i>		A coccinellid beetle			GNR	SU					N/A	On MD's rare / threatened / endangered species list, but cannot find any MD-specific information or records.
Inverts	Inverts (Other)	☐	<i>Phelopsis obcordata</i>	<i>Phelopsis obcordatus</i>	Eastern ironclad beetle			G5	SNR					N/A	One record for MD from 1991. Likes old growth forests. Might show up more in samples from old growth forests, but it's hard to look for -- looks like a piece of bark.
Inverts	Inverts (Other)	☐	<i>Pherhimius fascicularis</i>	<i>Hemirhipus fascicularis</i>	A click beetle			GNR	SNR					N/A	Only a few records in MD. We are in the northernmost part of range.
Inverts	Inverts (Other)	☐	<i>Sperchopsis tessellata</i>	<i>Sperchopsis tessellatus</i>	Checkered water scavenger beetle			GNR	S2					N/A	Included in 2005 SWAP, but removed in 2015. Unclear what the habitat requirements are. Is this a vernal pool specialist or can it exist in streams? Also, cannot find information on what led to ranking.
Inverts	Inverts (Other)	☐	<i>Strigoderma arboricola</i>	<i>Strigoderma arboricola</i>	Sand shiny leaf chafer			GNR	SNR					N/A	Only found in sandy areas. Some have concerns that this is an emergent pest (though native). Need to learn more about this species.
Inverts	Inverts (Other)	☐	<i>Xyloryctes jamaicensis</i>		Rhinoceros beetle	Unicorn beetle		GNR	SNR					N/A	Many records in MD, but ash is a preferred host. Want to keep an eye on due to ash preference.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Other)	☐	<i>Aphaenogaster treatae</i>		Treat's collared ant	Treat funnel ant		GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☐	<i>Camponotus caryae</i>		Walnut carpenter ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☒	<i>Camponotus impressus</i>	<i>Camponotus impressa</i>	A formicine ant	A carpenter ant		GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☐	<i>Camponotus snellingi</i>		Snelling's carpenter ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☐	<i>Dolichoderus pustulatus</i>		Bog long-necked ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☒	<i>Dolichoderus taschenbergi</i>		Taschenberg's long-necked ant	A dolichoderine ant		G5	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☐	<i>Formica exsectoides</i>		Allegheny mound ant			GNR	SNR					N/A	Many records but only in a few actual sites. Could be at risk from vandalism.
Inverts	Inverts (Other)	☒	<i>Formica querquetulana</i>		Oak-grove ant	A wood ant		GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☐	<i>Monomorium viride</i>	<i>Monomorium viridum</i>	The green monomorium			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☒	<i>Myrmica pinetorum</i>		A myrmicine ant	Pine ant		GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☐	<i>Nylanderia arenivaga</i>		An ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☐	<i>Nylanderia parvula</i>		Tiny crazy ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☐	<i>Pheidole davisii</i>		Pine barrens pheidole			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☐	<i>Strumigenys creightoni</i>		An ant			GNR	SNR					N/A	Main needs related to research.
Inverts	Inverts (Other)	☒	<i>Temnothorax pergandei</i>		A temnothorax ant			GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☒	<i>Temnothorax texanus</i>		Texas temnothorax ant	Texas divided ant		GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☒	<i>Trachymyrmex septentrionalis</i>		A fungus-growing ant	Fungus gardening ant		GNR	SNR					N/A	Was a data deficient SGCN in previous SWAP. Main needs still related to research.
Inverts	Inverts (Other)	☐	<i>Ammophila fernaldi</i>		A thread-waisted wasp			GNR	SNR					N/A	Record close to DC border from 2019.
Inverts	Inverts (Other)	☐	<i>Ammophila nigricans</i>		A thread-waisted wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Anacrabro ocellatus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ancistrocerus lutonidus</i>		a vespid wasp			GNR	SNR					N/A	Southern MD record from 2020.
Inverts	Inverts (Other)	☐	<i>Ancistrocerus spinolae</i>		Spinola's mason wasp			GNR	SNR					N/A	Western MD record from 2021.
Inverts	Inverts (Other)	☐	<i>Ancistrocerus unifasciatus</i>		A vespid wasp	A potter wasp		GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ancistrocerus waldenii</i>		Walden's potter wasp			G5	SNR					N/A	Central MD record from 2025.
Inverts	Inverts (Other)	☐	<i>Aphilanthops frigidus</i>		Eastern ant-queen kidnapper			GNR	SNR					N/A	Fairly conspicuous species, but only have one MD record from 2022.

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Inverts	Inverts (Other)	☐	<i>Argogorytes nigrifrons</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Astata unicolor</i>		A square-headed wasp	A crabronid wasp		GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Bembecinus nanus</i>		A square-headed wasp			GNR	SNR					N/A	Some records in Eastern MD.
Inverts	Inverts (Other)	☐	<i>Bembix americana</i>		American sand wasp	A crabronid wasp		GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Bicyrtes ventralis</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Cerceris bicornuta</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Cerceris kennicottii</i>		A square-headed wasp			GNR	SNR					N/A	Records from Southern MD.
Inverts	Inverts (Other)	☐	<i>Cerceris kennicottii</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Chlorion aerarium</i>		Steel-blue cricket hunter			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Clitemnestra bipunctata</i>		A square-headed wasp	A sand wasp		GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Crossocerus impressifrons</i>		A square-headed wasp			GNR	SNR					N/A	Records from Southern MD.
Inverts	Inverts (Other)	☐	<i>Didineis texana</i>		A square-headed wasp			GNR	SNR					N/A	Eastern MD record from 2014.
Inverts	Inverts (Other)	☐	<i>Dolichovespula arctica</i>		Parasitic yellowjacket			G5	SNR					N/A	Record(s) in Western MD.
Inverts	Inverts (Other)	☐	<i>Ectemnius continuus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ectemnius dives</i>		A square-headed wasp			GNR	SNR					N/A	Central MD record from 2007.
Inverts	Inverts (Other)	☐	<i>Ectemnius lapidarius</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ectemnius maculosus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ectemnius scaber</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Ectemnius stirpicola</i>		A square-headed wasp			GNR	SNR					N/A	Central MD record from 2020
Inverts	Inverts (Other)	☐	<i>Epinysson mellipes</i>		A square-headed wasp			GNR	SNR					N/A	Central MD records.
Inverts	Inverts (Other)	☐	<i>Epinysson tuberculatus</i>		A square-headed wasp			GNR	SNR					N/A	Central MD record from 2009.
Inverts	Inverts (Other)	☐	<i>Eumenes crucifera</i>		Cross potter wasp			G5	SNR					N/A	Records from both Western and Eastern MD.
Inverts	Inverts (Other)	☐	<i>Euodynerus crypticus</i>		Cryptic mason wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Hoplisoides nebulosus</i>		A square-headed wasp	A sand wasp		GNR	SNR					N/A	Central MD record from 2009
Inverts	Inverts (Other)	☐	<i>Hoplisoides semipunctatus</i>		A square-headed wasp			GNR	SNR					N/A	Central/Southern MD record from 2025.
Inverts	Inverts (Other)	☐	<i>Isodontia apicalis</i>		A thread-waisted wasp	A grass-carrying wasp		GNR	SNR					N/A	2013 and 2016 records from Central/Southern MD.
Inverts	Inverts (Other)	☐	<i>Isodontia auripes</i>		A thread-waisted wasp	A grass-carrying wasp		GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Isodontia mexicana</i>		A thread-waisted wasp	A grass-carrying wasp		GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Isodontia philadelphica</i>		A thread-waisted wasp	A grass-carrying wasp		GNR	SNR					N/A	Scattered records in MD.

Appendix 3b. List of State Assessment Priority Species (SAPS)

Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Other)	☐	<i>Larra analis</i>		A square-headed wasp	A mole cricket hunter wasp		GNR	SNR					N/A	Records from Eastern MD.
Inverts	Inverts (Other)	☐	<i>Lyroda subita</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Microbembex monodonta</i>		A square-headed wasp	A sand wasp		GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Nysson aequalis</i>		A square-headed wasp			GNR	SNR					N/A	Eastern MD record from 2023.
Inverts	Inverts (Other)	☐	<i>Nysson plagiatu</i> s		A square-headed wasp			GNR	SNR					N/A	Scattered records across three counties.
Inverts	Inverts (Other)	☐	<i>Oxybelus emarginatus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Palmodes dimidiatus</i>		A thread-waisted wasp	A square-headed wasp		GNR	SNR					N/A	Katydid killer. Records from Southern and Central MD.
Inverts	Inverts (Other)	☐	<i>Parancistrocerus pedestris</i>		Walking mason wasp			GNR	SNR					N/A	Records from both Central and Southern MD.
Inverts	Inverts (Other)	☐	<i>Parancistrocerus pennsylvanicus</i>		Pennsylvania mason wasp			GNR	SNR					N/A	Western MD record from 2024.
Inverts	Inverts (Other)	☐	<i>Parancistrocerus vagus</i>		Wandering mason wasp			GNR	SNR					N/A	Eastern MD record from 2024.
Inverts	Inverts (Other)	☐	<i>Parazumia symmorpha</i>		Tapered mason wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Philanthus sanbornii</i>		A square-headed wasp	A bee-killer wasp		GNR	SNR					N/A	Central/Southern MD record from 2024
Inverts	Inverts (Other)	☐	<i>Philanthus ventilabris</i>		A square-headed wasp	A bee-killer wasp		GNR	SNR					N/A	Records from Eastern MD.
Inverts	Inverts (Other)	☐	<i>Podium luctuosum</i>		A thread-waisted wasp			GNR	SNR					N/A	Records in three counties in Central MD.
Inverts	Inverts (Other)	☐	<i>Prionyx parkeri</i>		A thread-waisted wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Psammaletes mexicanus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Psen erythropoda</i>		A square-headed wasp			GNR	SNR					N/A	Central MD record from 2007.
Inverts	Inverts (Other)	☐	<i>Sapyga centrata</i>		A vespid wasp			GNR	SNR					N/A	Scattered records in Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Saygorytes phaleratus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Stenodynerus blepharus</i>		Eyelid mason wasp			GNR	SNR					N/A	Central MD record from 2022.
Inverts	Inverts (Other)	☐	<i>Stenodynerus lineatifrons</i>		A vespid wasp			GNR	SNR					N/A	Central/Southern MD record from 2021.
Inverts	Inverts (Other)	☐	<i>Stictia carolina</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Symmorphus canadensis</i>		Canadian potter wasp			G5	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Tachytes distinctus</i>		A square-headed wasp			GNR	SNR					N/A	Some records in Southern MD.
Inverts	Inverts (Other)	☐	<i>Tachytes distinctus</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Trypoxylon collinum</i>		A square-headed wasp			GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Trypoxylon lactitarse</i>		A square-headed wasp			GNR	SNR					N/A	Western MD record from 2023.
Inverts	Inverts (Other)	☐	<i>Vespula consobrina</i>		Blackjacket			G5	SNR					N/A	At the southern end of its range. Found in Western MD.
Inverts	Inverts (Other)	☐	<i>Vespula vidua</i>		Widow yellowjacket			GNR	SNR					N/A	Scattered records in MD.

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Taxa Group	Taxa Subgroup	SGCN in 2015?	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	IUCN	CITES	NE Regional Status	Comments/Reasoning for SAPS
Inverts	Inverts (Other)	☐	<i>Zethus spinipes</i>		A vespid wasp	A potter wasp, A mason wasp		GNR	SNR					N/A	Scattered records in MD.
Inverts	Inverts (Other)	☐	<i>Anasimyia chrysostoma</i>	<i>Anasimyia chrysostomus</i> , <i>Lejops chrysostomus</i>	Lump-legged swamp fly			G5	SNR					N/A	2016 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Anasimyia distincta</i>	<i>Anasimyia distinctus</i> , <i>Lejops distinctus</i>	Short-spurred swamp fly			G2G3	SNR					N/A	2021 record from Eastern MD.
Inverts	Inverts (Other)	☐	<i>Anasimyia griseus</i>		Long-spurred swamp fly			GU	SNR					N/A	2021 record from Eastern MD.
Inverts	Inverts (Other)	☐	<i>Blera badia</i>	<i>Xylota badia</i>	Common wood fly			G5	SNR					N/A	Records in Central MD.
Inverts	Inverts (Other)	☐	<i>Blera umbratilis</i>	<i>Criorhina umbratilis</i>	Hairy wood fly			G4G5	SNR					N/A	One 2011 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Brachyopa vacua</i>		Yellow-spotted sapeater			G5	SNR					N/A	Records from Central MD from the past decade.
Inverts	Inverts (Other)	☐	<i>Brachypalpus oarus</i>	<i>Xylota oarus</i>	Eastern catkin fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus chalybeus</i>		Violet leafwalker			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus libo</i>		Long-haired leafwalker			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus metallicus</i>		Yellow-legged leafwalker			G4G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus metallifer</i>	<i>Xylota metallifera</i>	Orange-horned leafwalker			G4G5	SNR					N/A	2020 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus nemorum</i>		Dusky-banded leafwalker			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus piger</i>		Short-haired leafwalker			G5	SNR					N/A	Multiple records from Central/Southern MD.
Inverts	Inverts (Other)	☐	<i>Chalcosyrphus plesia</i>	<i>Chalcosyrphus plesius</i>	Black-hipped leafwalker			G4G5	SNR					N/A	2019 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Cheilosia pallipes</i>		Yellow-shouldered blacklet			GU	SNR					N/A	2023 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Cheilosia prima</i>		Swarthy blacklet			G5	SNR					N/A	2022 record from Eastern MD.
Inverts	Inverts (Other)	☐	<i>Copestylum vittatum</i>		Striped bromeliad fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Criorhina nigriventris</i>		Bare-cheeked bumblefly			G5	SNR					N/A	2015 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Criorhina verbosa</i>	<i>Milesia verbosa</i>	Hairy-cheeked bumblefly			G5	SNR					N/A	Multiple Western MD records from the past five years.
Inverts	Inverts (Other)	☐	<i>Criorhina villosa</i>	<i>Merapioidus villosus</i>	Winter bumblefly			G3G4	SNR					N/A	Rare early flying species. One 2021 record from Southern MD.
Inverts	Inverts (Other)	☐	<i>Didea fuscipes</i>		Undivided lucent			G5	SNR					N/A	Records in Central MD.
Inverts	Inverts (Other)	☐	<i>Dioprosopa clavata</i>	<i>Pseudodoros clavatus</i>	Four-speckled hover fly	Fourspot		G5	SNR					N/A	Records scattered throughout Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Epistrophe grossulariae</i>	<i>Syrphus grossulariae</i>	Black-horned smoothtail			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Epistrophe xanthostoma</i>	<i>Syrphus xanthostomus</i>	Emarginate smoothtail			G5	SNR					N/A	2024 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Eristalinus aeneus</i>		Common lagoon fly			GNR	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Eristalis flavipes</i>		Orange-legged drone fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Eristalis interrupta</i>	<i>Conops interruptus</i>	Orange-spined drone fly			G5	SNR					N/A	2018 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Eristalis saxorum</i>		Blue-polished drone fly			G5	SNR					N/A	Scattered records throughout MD.

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Inverts	Inverts (Other)	☐	<i>Eristalis stipator</i>		Yellow-shouldered drone fly			G5	SNR					N/A	Recent records from the Coastal Plain of MD.
Inverts	Inverts (Other)	☐	<i>Eupeodes latifasciatus</i>	<i>Syrphus latifasciatus</i>	Broad-banded aphideater	Variable aphideater		G5	SNR					N/A	Multiple 2025 records from Central MD.
Inverts	Inverts (Other)	☐	<i>Eupeodes perplexus</i>		Bare-winged aphideater			G5?	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Eurimyia stipata</i>	<i>Lejops stipatus</i>	Long-nosed swamp fly			G5	SNR					N/A	2021 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Ferdinandea buccata</i>	<i>Chrysochlamys buccata</i>	Common copperback			G5	SNR					N/A	Records in Western MD.
Inverts	Inverts (Other)	☐	<i>Hypocritanus fascipennis</i>	<i>Ocyptamus fascipennis</i>	Eastern band-winged hover fly			G5	SNR					N/A	2016 records from Central MD.
Inverts	Inverts (Other)	☐	<i>Lejops lineatus</i>	<i>Eurimyia lineatus</i> , <i>Eurimyia lineata</i>	Striped hover fly	Striped swamp fly		G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Lejota aerea</i>	<i>Myiolepta aerea</i>	Golden trunksitter			G5?	SNR					N/A	Records from both Central and Southern MD.
Inverts	Inverts (Other)	☐	<i>Mallota bautias</i>	<i>Merodon bautias</i>	Bare-eyed mimic fly			G5	SNR					N/A	Records scattered throughout Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Meliscaeva cinctella</i>	<i>Scaeva cinctella</i>	Banded thintail	American thintail		G5	SNR					N/A	2025 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Microdon abstrusus</i>		Hidden ant fly			G1G3	S1S3					N/A	Not seen since the 1970s, but lives in ant nests, so could just be hard to find.
Inverts	Inverts (Other)	☐	<i>Microdon aurulentus</i>		Golden-haired ant fly			G4?	SNR					N/A	Records from both Central and Southern MD.
Inverts	Inverts (Other)	☐	<i>Microdon craigheadii</i>		Large metallic ant fly			G4G5	SNR					N/A	Records from Central MD.
Inverts	Inverts (Other)	☐	<i>Microdon globosus</i>		Globular ant fly			G5	SNR					N/A	Records from both Western and Eastern MD.
Inverts	Inverts (Other)	☐	<i>Myiolepta strigilata</i>		Scaled pegleg			G5	SNR					N/A	2017 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Myiolepta varipes</i>		Orange-banded spineleg	Orange-banded pegleg		G4G5	SNR					N/A	2007 record from Central MD.
Inverts	Inverts (Other)	☐	<i>Orthonevra pictipennis</i>		Dusky-veined mucksucker			GU	SNR					N/A	Records from Central MD.
Inverts	Inverts (Other)	☐	<i>Palpada agrorum</i>		Double-banded plushback			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Palpada albifrons</i>		White-faced plushback			G5	SNR					N/A	Records scattered throughout Coastal Plain.
Inverts	Inverts (Other)	☐	<i>Parhelophilus divisus</i>	<i>Helophilus divisus</i>	Yellow-legged bog fly			G5?	SNR					N/A	Records from the Coastal Plain of MD.
Inverts	Inverts (Other)	☐	<i>Parhelophilus flavifacies</i>	<i>Helophilus flavifacies</i>	Black-legged bog fly			G5	SNR					N/A	Records from the Coastal Plain of MD.
Inverts	Inverts (Other)	☐	<i>Parhelophilus integer</i>	<i>Helophilus integer</i>	Shiny bog fly	Shining bog fly		G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Parhelophilus laetus</i>	<i>Helophilus laetus</i>	Common bog fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Pelecinozaccha costata</i>	<i>Ocyptamus costatus</i>	Cobalt hover fly	A flower fly		G5	SNR					N/A	Records from the Coastal Plain of MD.
Inverts	Inverts (Other)	☐	<i>Pipiza puella</i>		Sumac gall pithead			GU	SNR					N/A	2024 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Platycheirus obscurus</i>		Eastern forest sedgesitter			G5	SNR					N/A	Records in Central MD.
Inverts	Inverts (Other)	☐	<i>Platycheirus quadratus</i>		Meadow sedgesitter			G4G5	SNR					N/A	2018 record from Central/Southern MD.
Inverts	Inverts (Other)	☐	<i>Sericomyia chrysotoxoides</i>		Oblique-banded pond fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Somula decora</i>		Spotted wood fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Somula mississippiensis</i>		Banded wood fly			G3G5	SNR					N/A	2024 record from Central MD.

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Inverts	Inverts (Other)	☐	<i>Sphiximorpha willistoni</i>	<i>Ceriana willistoni</i>	Williston's wasp fly			G5	SNR					N/A	Records from Central MD.
Inverts	Inverts (Other)	☐	<i>Spilomyia fusca</i>		Bald-faced hornet fly			G5	SNR					N/A	Records in Western MD.
Inverts	Inverts (Other)	☐	<i>Spilomyia texana</i>		Texas hornet fly			GNR	SNR					N/A	2021 record from Central/Southern MD.
Inverts	Inverts (Other)	☐	<i>Syrphus ribesii</i>		Common flower fly			G5	SNR					N/A	Records from both Central and Southern MD.
Inverts	Inverts (Other)	☐	<i>Syrphus torvus</i>		Hairy-eyed flower fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Temnostoma alternans</i>		Wasp-like falsehorn			G5	SNR					N/A	2022 record from Western MD.
Inverts	Inverts (Other)	☐	<i>Temnostoma balyras</i>	<i>Syrphus balyras</i>	Yellow-haired falsehorn			G5	SNR					N/A	Records from both Central/Southern and Western MD.
Inverts	Inverts (Other)	☐	<i>Temnostoma daoehus</i>		Yellow-spotted falsehorn			G5	SNR					N/A	Uncommon. Flies early in the year, mostly April through May.
Inverts	Inverts (Other)	☐	<i>Temnostoma excentrica</i>		Black-spotted falsehorn			G5	SNR					N/A	2019 record from Central/Southern MD.
Inverts	Inverts (Other)	☐	<i>Temnostoma trifasciatum</i>	<i>Temnostoma trifasciata</i>	Three-lined falsehorn			G5?	SNR					N/A	Multiple records from Central MD.
Inverts	Inverts (Other)	☐	<i>Teuchocnemis bacuntius</i>	<i>Milesia bacuntius</i>	Orange spur fly			G5	SNR					N/A	Uncommon. Flies mostly in April and May in MD.
Inverts	Inverts (Other)	☐	<i>Teuchocnemis lituratus</i>	<i>Pterallastes lituratus</i>	Black spur fly			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Toxomerus jussiaeae</i>		Orange-backed calligrapher			G5?	SNR					N/A	Only 2 records from the Coastal Plain of MD.
Inverts	Inverts (Other)	☐	<i>Tropidia quadrata</i>		Common thickleg fly			G5	SNR					N/A	Records in both Central and Western MD.
Inverts	Inverts (Other)	☐	<i>Volucella evecta</i>		Eastern swiftwing			G4G5	SNR					N/A	Records in Central MD.
Inverts	Inverts (Other)	☐	<i>Xylota bicolor</i>		Eastern orange-tailed leafwalker			G5	SNR					N/A	Scattered records throughout MD.
Inverts	Inverts (Other)	☐	<i>Dipalta banksi</i>		Huron shore bee fly			GNR	SNR					N/A	One 2014 record from Central MD. Xeric species. Parasitoid of antlions?
Inverts	Inverts (Other)	☐	<i>Dipalta serpentina</i>		Serpentine bee fly			GNR	SNR					N/A	Records from both Western and Eastern MD.
Inverts	Inverts (Other)	☐	<i>Chlorotettix leersius</i> n. sp.		A leaf hopper			GNR	SNR					N/A	Recorded in Central MD.
Inverts	Inverts (Other)	☐	<i>Ramphocorixa acuminata</i>		Acuminate water boatman			G4	SNR					N/A	Recorded in MD. Ranked S1 in VA.
Inverts	Inverts (Other)	☐	<i>Torrenticola trimaculata</i>		A water mite	A mite		GNR	SNR					N/A	Recently discovered in MD. Seems rare based on preliminary survey data. Additional survey planned for the near future.