

Appendix 3c. Species removed since 2015

Taxa Group	Taxa Subgroup	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	NE Regional Status	Comments/Reasoning for removal
Mammals	Mammals (Terrestrial)	<i>Erethizon dorsatum</i>		North American porcupine			G5	S3S4			N/A	Populations we were concerned about before in Western and Central MD are now considered more secure.
Mammals	Mammals (Bats)	<i>Eptesicus fuscus</i>		Big brown bat			G5	S4S5			N/A	Removed because MD population is stable; numbers in hibernacula surveys have grown post-WNS. Also fairly ubiquitous during acoustic surveys in Western MD.
Mammals	Mammals (Marine)	<i>Ziphius cavirostris</i>		Cuvier's beaked whale			G4	SNR			N/A	No recorded strandings in MD in program history. NOAA map of "Beaked Whales" indicates it mostly occurs far offshore, seemingly beyond the continental shelf.
Mammals	Mammals (Marine)	<i>Mesoplodon europaeus</i>		Gervais beaked whale			G4	SNR			N/A	No recorded strandings in MD in the past 10 years; not enough data to support evidence of habitat utilization and/or resource use in MD. NOAA map of "Beaked Whales" indicates it mostly occurs far offshore, seemingly beyond the continental shelf.
Mammals	Mammals (Marine)	<i>Mesoplodon mirus</i>		True's beaked whale			G3G4	SNR			N/A	No recorded strandings in MD in the past 10 years; not enough data to support evidence of habitat utilization and/or resource use in MD. NOAA map of "Beaked Whales" indicates it mostly occurs far offshore, seemingly beyond the continental shelf.
Birds	Birds	<i>Mergus merganser</i>		Common merganser			G5	S2B			N/A	Was a relatively new breeding species in MD during 2015 SWAP revision process, but is now fairly common in Western MD and along the Potomac River. Need to revisit state rank; S2B is no longer appropriate.
Birds	Birds	<i>Melanerpes erythrocephalus</i>		Red-headed woodpecker			G5	S4			N/A	Has increased in population since last SWAP. No longer of great concern.
Birds	Birds	<i>Sphyrapicus varius</i>		Yellow-bellied sapsucker			G5	S1B			N/A	Has had a large increase in population since 2015. Need to revisit state rank; S1B is no longer appropriate.
Herps	Herps (Snakes and Lizards)	<i>Lampropeltis triangulum elapsoides X triangulum</i>		Coastal plain milksnake			GNR	SNR			N/A	Taxon is contentious; replaced this subspecies with the more general eastern milksnake for the new version of the SWAP.
Herps	Herps (Snakes and Lizards)	<i>Pituophis melanoleucus</i>		Northern pinesnake			G4	SH			RSGCN	Not believed to be present in MD in recent history.
Fish	Fish (Freshwater)	<i>Etheostoma sellare</i>		Maryland darter			GH	SH	LE	E	RSGCN	Has not been recorded since the 1980s; believed to be extinct.
Fish	Fish (Bay/Ocean)	<i>Ameiurus catus</i>	<i>Ictalurus catus</i>	White catfish			G5	S4			N/A	Was a data deficient SGCN in previous SWAP. Unranked in MD in 2015, now ranked S4. Considered abundant in MD and not a concern at this point in time. Note to revisit in ~5 years.
Fish	Fish (Bay/Ocean)	<i>Dipturus laevis</i>	<i>Raja laevis</i>	Barndoor skate			G4G5	SNR			RSGCN	No records in MD. Has been found more in the lower bay (VA), but very close to MD coast. Not of concern in MD at this point in time. Likely included it back in 2015 because it's of regional concern.

Appendix 3c. Species removed since 2015

Taxa Group	Taxa Subgroup	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	NE Regional Status	Comments/Reasoning for removal
Fish	Fish (Bay/Ocean)	<i>Amblyraja radiata</i>	<i>Thorny skate</i>	Thorny skate			GNR	SNR			RSGCN	No records in MD. More of a northern species; may be within range, but not certain. Not of concern in MD at this point in time. Likely included it back in 2015 because it's of regional concern.
Fish	Fish (Bay/Ocean)	<i>Malacoraja senta</i>	<i>Smooth skate</i>	Smooth skate			GNR	SNR			RSGCN	No records in MD. More of a northern species; may be within range, but not certain. Not of concern in MD at this point in time. Likely included it back in 2015 because it's of regional concern.
Inverts	Inverts (Snails)	<i>Mediappendix hubrichti</i>	<i>Catinella hubrichti</i>	Snowhill ambersnail		Catinella hubrichti in the 2015 SWAP.	G3	SNR			N/A	Was a data deficient SGCN in previous SWAP. However, there does not seem to be any records of this species in the state.
Inverts	Inverts (Snails)	<i>Oxyloma subeffusum</i>		Chesapeake ambersnail			G3	SNR			RAPS	Was a data deficient SGCN in previous SWAP. However, there does not seem to be any records of this species in the state.
Inverts	Inverts (Snails)	<i>Paravitrea pontis</i>		Natural bridge supercoil			G3	SNR			RSGCN	Was a data deficient SGCN in previous SWAP. However, no records of this species in MD since 1970.
Inverts	Inverts (Butterflies)	<i>Poanes massasoit chermocki</i>		Chermock's mulberry wing			G4T1	S1			RSGCN	Almost certainly extirpated after many searches.
Inverts	Inverts (Butterflies)	<i>Erynnis martialis</i>		Mottled duskywing			G3	S1			RSGCN	Extirpated.
Inverts	Inverts (Butterflies)	<i>Callophrys hesseli</i>	<i>Mitoura hesseli</i>	Hessel's hairstreak			G3	SH			RSGCN	Extirpated; or, more likely, was never in the MD in the first place.
Inverts	Inverts (Butterflies)	<i>Pyrgus centaureae wyandot</i>		Appalachian grizzled skipper	Southern grizzled skipper		G1G2Q	S1			RSGCN	After rapid response surveys and a ton of other work, extirpated.
Inverts	Inverts (Butterflies)	<i>Satyrrium caryaevorus</i>	<i>Satyrrium caryaevorum</i>	Hickory hairstreak			G4	S1			N/A	No confirmed MD records.
Inverts	Inverts (Butterflies)	<i>Nymphalis l-album</i>	<i>Nymphalis vaualbum</i>	Compton tortoiseshell			G5	SU			N/A	Vagrant species.
Inverts	Inverts (Moths)	<i>Melanapamea mixta</i>		Coastal plain apamea moth	A noctuid moth	A noctuid moth in 2015 SWAP.	GU	S1			RAPS	A couple records from the 80s, but has not been found anywhere near here recently. Not certain why this is ranked S1 in MD.
Inverts	Inverts (Moths)	<i>Apodrepanulatrix liberaria</i>	<i>Apicia liberaria</i>	New Jersey tea inchworm	A geometrid moth	A geometrid moth in 2015 SWAP.	G3	SU			RSGCN	Only historic; no recent in-state or nearby records.
Inverts	Inverts (Moths)	<i>Catocala pretiosa pretiosa</i>		Precious underwing moth			G4T2	SH			RSGCN	Only historical records in MD, and those are suspect (unsure if it was actually this subspecies).
Inverts	Inverts (Moths)	<i>Zimmermannia phleophaga</i>	<i>Ectoedemia phleophaga</i>	Phleophagan chestnut nepticulid moth		Ectoedemia phleophaga in 2015 SWAP.	GH	SH			N/A	Can't find any records of this species after the name change.
Inverts	Inverts (Moths)	<i>Euchlaena milnei</i>		Milne's looper moth			G2G4	SNR			RSGCN	Not clear there was ever a sighting in MD. If so, very historic.
Inverts	Inverts (Moths)	<i>Hadena ectypa</i>	<i>Mamestra ectypa</i>	Starry champion moth	A noctuid moth	A noctuid moth in 2015 SWAP.	G3G4	SU			RSGCN	Only historic records in MD.
Inverts	Inverts (Moths)	<i>Hemipachnobia subporphyrea</i>	<i>Mythimna subporphyrea</i>	Venus flytrap cutworm			G1	SU			N/A	Possibly Hemipachnobia monochromatea -- there are no venus flytraps in MD.
Inverts	Inverts (Moths)	<i>Psectraglaea carnosa</i>	<i>Glaea carnosa</i>	Pink sallow moth			G3	SNR			RAPS	Only historic; no recent in-state or nearby records.

Appendix 3c. Species removed since 2015

Taxa Group	Taxa Subgroup	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	NE Regional Status	Comments/Reasoning for removal
Inverts	Inverts (Moths)	<i>Ptichodis bistrigata</i>		Southern ptichodis moth			G3	SNR			N/A	Only historic; no recent in-state or nearby records.
Inverts	Inverts (Moths)	<i>Pyrrhia aurantiago</i>	<i>Rhodoecia aurantiago</i> , <i>Xanthia aurantiago</i>	Aureolaria seed borer moth			G3G4	SNR			RAPS	Only historic; no recent in-state or nearby records.
Inverts	Inverts (Moths)	<i>Schizura apicalis</i>	<i>Coelodasys apicalis</i>	Plain schizura moth			G3G4	SNR			RAPS	Only historic; no recent in-state or nearby records.
Inverts	Inverts (Moths)	<i>Chloropteryx tepperaria</i>	<i>Nemoria tepperaria</i>	Angle winged emerald moth			G4	SNR			N/A	Fairly common; no longer appropriate for inclusion in SWAP.
Inverts	Inverts (Moths)	<i>Grammia doris</i>	<i>Apantesis doris</i>	Doris' tiger moth			G4?	SNR			N/A	Only historic; no recent in-state or nearby records.
Inverts	Inverts (Moths)	<i>Macrochilo louisiana</i>	<i>Xylormisa louisiana</i>	Louisiana owlet moth			G4	SNR			N/A	Fairly common; no longer appropriate for inclusion in SWAP.
Inverts	Inverts (Moths)	<i>Papaipema appassionate</i>	<i>Gortyna appassionate</i>	Pitcher plant borer moth			G3G4	SNR			N/A	No recent records.
Inverts	Inverts (Moths)	<i>Pachypolia atricornis</i>		Three-horned moth	Hunter lake moth		G3G4	SNR			N/A	No recent records.
Inverts	Inverts (Odonates)	<i>Celithemis verna</i>		Double-ringed pennant			G5	S2			N/A	Fairly common even in degraded areas. Should be S4.
Inverts	Inverts (Odonates)	<i>Zoraena obliqua</i>	<i>Cordulegaster obliqua</i>	Arrowhead spiketail		Cordulegaster obliqua in 2015 SWAP.	G4	S2			RAPS	Due to taxonomic changes, has been wrapped into banded spiketail (<i>Zoraena obliqua fasciata</i>) .
Inverts	Inverts (Odonates)	<i>Erpetogomphus designatus</i>		Eastern ringtail			G5	S2			N/A	Fairly common along lower Potomac. S4 in VA, not ranked in PA. MD is Northern edge of range. May be moving north due to climate change.
Inverts	Inverts (Odonates)	<i>Anax longipes</i>		Comet darner			G5	S3			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Celithemis fasciata</i>		Banded pennant			G5	S3			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Ladona julia</i>		Chalk-fronted skimmer			G5	S3			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Libellula axilena</i>		Bar-winged skimmer			G5	S3			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Progomphus obscurus</i>		Common sanddragon			G5	S3			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Brachymesia gravida</i>		Four-spotted pennant			G5	S3S4			N/A	Fairly common on Coastal Plain and in Eastern MD. Seems to do alright even in degraded areas.
Inverts	Inverts (Odonates)	<i>Gomphaeschna furcillata</i>		Harlequin darner			G5	S3S4			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Somatochlora linearis</i>		Mocha emerald			G5	S3S4			N/A	Widespread species. Should be S4.
Inverts	Inverts (Odonates)	<i>Celithemis ornata</i>		Faded pennant			G5	SH			N/A	Last record from 1996 at in Central/Southern MD. Likely extirpated.
Inverts	Inverts (Odonates)	<i>Epithea semiaquea</i>		Mantled baskettail			G5	SH			N/A	Last record from the 50s. Extirpated.
Inverts	Inverts (Odonates)	<i>Hylogomphus parvidens</i>	<i>Gomphus parvidens</i>	Piedmont clubtail			G4	SH		X	N/A	Last record from 1915. Extirpated.
Inverts	Inverts (Odonates)	<i>Gomphurus ventricosus</i>	<i>Gomphus ventricosus</i>	Sillet clubtail			G3	SH		X	RSGCN	Not seen in over a century.
Inverts	Inverts (Odonates)	<i>Stylurus amnicola</i>		Riverine clubtail			G4	SH		X	RAPS	Not seen since the 50s.

Appendix 3c. Species removed since 2015

Taxa Group	Taxa Subgroup	Scientific Name	Synonymous Scientific Names	Common Name	Alternate Common Names	Name changes since 2015	Global Rank	State Rank	Federal Status	State Status	NE Regional Status	Comments/Reasoning for removal
Inverts	Inverts (Bees)	<i>Lasioglossum marinum</i>		Marine metallic-sweat bee	A hairy-tongue bee	A hairy-tongue bee in 2015 SWAP.	GNR	SU			N/A	Was a data deficient SGCN in previous SWAP. Secure even though a sand specialist. Common even in heavily developed beach areas.
Inverts	Inverts (Bees)	<i>Macropis patellata</i>		Patellar oil-collecting bee	An oil-collecting bee	An oil-collecting bee in 2015 SWAP.	GNR	SH			RSGCN	A number of old records from Washington D.C. area (several collectors, all from the 1910s) from the National Collection (NMNH). No recent records. Globally, records are also primarily old and even more sparsely distributed than <i>M. ciliata</i> , occurring at scattered locations throughout the Mid-Atlantic, New England, and Great Lakes regions.
Inverts	Inverts (Bees)	<i>Bombus variabilis</i>	<i>Psithyrus variabilis</i> , <i>Bombus intrudens</i>	Variable cuckoo bumble bee			G1G2	SH			RAPS	Only two specimens known, collected in the 70s and 80s. No recent records in any neighboring states. Well-known decline range-wide progressing since the 1990s paralleling less severe declines in its primary host <i>B. pensylvanicus</i> . This species has never been common; its likelihood of reappearance in MD appears low at the moment.
Inverts	Inverts (Bees)	<i>Bombus bohemicus</i>	<i>Bombus ashtoni</i> , <i>Psithyrus ashtoni</i> , <i>Psithyrus bohemicus</i>	Gypsy cuckoo bumble bee	Ashton's cuckoo bumble bee		G3G5	SH			RSGCN	This species is extirpated from most of the country, including MD. Very little chance of its rediscovery.
Inverts	Inverts (Aquatic Orders)	<i>Siphloplecton costalense</i>		Speith's great speckled olive mayfly			G2G4	SNR			RAPS	Only record from MD that we can find is from 1969 in Southern MD.
Inverts	Inverts (Cave & Groundwater)	<i>Caecidotea nordeni</i>		Norden's groundwater isopod			GH	SH		X	N/A	Endangered extirpated. Was found once in a limestone stream in Western MD, among another much more common species. Site has been sampled dozens of times since with no more records collected. Has also never been found anywhere else; other record is a fluke.
Inverts	Inverts (Other)	<i>Continaria canadensis</i>		Ash midrib gall midge			GNR	SNR			N/A	Was a data deficient SGCN in previous SWAP. Have no records of this species in MD.
Inverts	Inverts (Other)	<i>Tropidosteptes amoenus</i>		Ash plant bug			GNR	SNR			N/A	Was a data deficient SGCN in previous SWAP. Have no records of this species in MD.
Inverts	Inverts (Other)	<i>Leptothorax canadensis</i>		Mossy thin ant	A myrmicine ant	Removed from synonymy with <i>Leptothorax muscorum</i> in 2018.	G5	SNR			N/A	Genus <i>Leptothorax</i> are a difficult species complex whose taxonomy remains unresolved. Still, cannot find any evidence of existence or records in MD.
Inverts	Inverts (Other)	<i>Tomostethus multicinctus</i>		Brownheaded ash sawfly			GNR	SNR			N/A	Was a data deficient SGCN in previous SWAP. Have no records of this species in MD.