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Chesapeake Bay Soft-Bottom Benthic Macrofauna Species List

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Over 500 species have been collected by the Chesapeake Bay Benthic Monitoring Program since 1985. The list is organized by animal group, and the species are listed alphabetically within animal group. The list includes macrofauna (retained in a 0.5 mm screen) collected in unvegetated, soft-bottom substrates throughout the Maryland and Virginia portions of the Chesapeake Bay from 1985 through 2004.

HIGHER TAXONOMIC GROUP (Phylum: Class: Order)	SPECIES OR TAXON NAME
Cnidaria: Hydrozoa	Cordylophora lacustris Hydra sp.
Cnidaria: Anthozoa	Actiniaria (unidentified) Ceriantheopsis americanus Diadumene leucolena Edwardsia elegans Haloclava producta
Turbellaria	Dugesia tigrina Euplana gracilis Stylochus ellipticus
Nemertina	Amphiporus bioculatus Carinoma tremaphoros Cerebratulus lacteus Cerebratulus sp. Micrura leidyi
Annelida: Polychaeta	Aglaophamus verrilli Amastigos caperatus Ampharete acutifrons Ampharete americana Ampharete arctica Amphitrite ornata Ancistrosyllis commensalis Ancistrosyllis hartmanae Ancistrosyllis jonesi Ancistrosyllis sp. Apoprionospio pygmaea Arabella iricolor Aricidea albatrossae

Aricidea catherinae
Aricidea cerrutii
Aricidea fragilis
Aricidea sp.
Aricidea wassi
Asabellides oculata
Autolytus spp.
Bhawania heteroseta
Boccardiella ligerica
Brania clavata
Brania pusilla
Brania welfleetensis
Cabira incerta
Capitella capitata complex
Capitellides jonesi
Capitellides sp.
Carazziella hobsonae
Caulleriella sp. A
Caulleriella sp. B Blake
Ceratonereis irritabilis
Chaetopterus variopedatus
Chaetozone setosa
Cirriformia grandis
Cirrophorus lyriformis
Cirrophorus sp.
Clymenella torquata
Demonax microphthalmus
Diopatra cuprea
Dipolydora caulleryi
Dipolydora socialis
Dorvillea rudolphi
Drilonereis longa
Drilonereis magna
Drilonereis sp.
Eteone foliosa
Eteone heteropoda
Eteone lactea
Eteone sp.
Euchone spp.
Eumida sanguinea
Eunicea spp.
Eupolymnia spp.
Exogone dispar
Exogone sp.
Exogone verugera
Genetyllis castanea
Glycera americana
Glycera capitata
Glycera dibranchiata
Glycera sp.
Glycinde solitaria
Gyptis crypta

Harmothoe extenuata
Harmothoe sp. A
Heteromastus filiformis
Hobsonia florida
Hydroides dianthus
Hydroides protulicola
Laeonereis culveri
Leitoscoloplos fragilis
Leitoscoloplos robustus
Leitoscoloplos sp.
Lepidametria commensalis
Lepidonotus sublevis
Lepidonotus variabilis
Levinsenia gracilis
Loimia medusa
Lysidice ninetta
Lysilla alba
Macroclymene zonalis
Magelona spp.
Malmgreniella taylori
Manayunkia aestuarina
Marenzelleria viridis
Mediomastus ambiseta
Melinna maculata
Melinna sp.
Microphthalmus aberrans
Microphthalmus sczelkowi
Microphthalmus sp.
Microspio pigmentata
Minuspio cirrobranchiata
Monticellina baptistae
Monticellina dorsobranchialis
Mystides borealis
Neanthes arenaceodentata
Neanthes succinea
Nephtys bucera
Nephtys incisa
Nephtys picta
Nephtys sp.
Nereis sp.
Notomastus lobatus
Notomastus sp. A Ewing
Notomastus sp.
Orbinia ornata
Owenia fusiformis
Paradoneis sp. B Morris
Parahesion luteola
Paranaitis polynoides
Paranaitis speciosa
Paraonis fulgens
Parapionosyllis longicirrata
Paraprionospio pinnata

Parougia caeca
Pectinaria gouldii
Phyllodoce arenae
Phyllodoce castanea
Phyllodoce fragilis
Phyllodoce mucosa
Phyllodoce sp.
Pista cristata
Pista palmata
Pista quadrilobata
Podarke obscura
Podarkeopsis levifuscina
Polycirrus eximius
Polydora cornuta
Polydora websteri
Polydora sp.
Polygordius spp.
Prionospio perkinsi
Prionospio steenstrupi
Prionospio sp.
Proceraea cornuta
Proceraea sp.
Protodrilus spp.
Pseudeurythoe paucibranchiata
Pseudopotamilla reniformis
Sabaco elongatus
Sabellaria vulgaris
Sabellides octocirrata
Samythella elongata
Scolelepis bousfieldi
Scolelepis squamata
Scolelepis texana
Scolelepis sp.
Scoletoma fragilis
Scoletoma tenuis
Scoloplos rubra
Sigambra bassi
Sigambra tentaculata
Sigambra sp.
Sphaerosyllis taylori
Spio filicornis
Spio pettiboneae
Spio setosa
Spio sp.
Spiochaetopterus costarum
Spiophanes bombyx
Sthenelais boa
Streblospio benedicti
Streptosyllis arenae
Streptosyllis pettiboneae
Syllides floridanus
Syllides verrilli

Annelida: Oligochaeta

Tharyx sp. A Morris
Travisia spp.
Websternereis tridentata

Arcteonais lomondi
Aulodrilus limnobius
Aulodrilus paucichaeta
Aulodrilus pigueti
Aulodrilus pluriseta
Aulodrilus sp.
Bothrioneurum vej dovskyanum
Branchiura sowerbyi
Bratislavia bilongata
Bratislavia unidentata
Chaetogaster spp.
Dero digitata
Dero flabelliger
Dero nivea
Dero obtusa
Dero sp.
Enchytraeidae (unidentified)
Haber cf. speciosus
Haemonais waldvogeli
Ilyodrilus templetoni
Ilyodrilus sp.
Isochaetides curvisetosus
Isochaetides freyi
Limnodrilus cervix
Limnodrilus claparedianus
Limnodrilus hoffmeisteri
Limnodrilus profundicola
Limnodrilus udekemianus
Limnodrilus sp.
Lumbriculidae (unidentified)
Nais bretscheri
Nais communis
Nais pardalis
Nais pseudobtusa
Nais simplex
Nais variabilis
Nais sp.
Ophidonais serpentina
Paranais frici
Paranais litoralis
Paranais sp.
Piguetiella michiganensis
Potamothenix vej dovskyi
Potamothenix sp.
Pristina longiseta
Pristina osborni
Pristina sp.
Pristinella jenkiniae

Pristinella osborni
Pristinella sima
Pristinella sp.
Quistadrilus multisetosus
Slavina appendiculata
Specaria josinae
Spirosperma ferox
Stephensoniana trivandrana
Stylaria lacustris
Tubifex tubifex
Tubificidae immature with capilliform chaetae
Tubificidae immature without capilliform chaetae
Tubificoides benedeni
Tubificoides brownae
Tubificoides diazi
Tubificoides gabriellae
Tubificoides heterochaetus
Tubificoides maureri
Tubificoides wasselli
Tubificoides sp. A
Tubificoides sp. B
Tubificoides sp.
Uncinatis uncinata

Annelida: Hirudinea

Alboglossiphonia heteroclita
Batrachobdella spp.
Batrachobdella phalera
Helobdella fusca
Helobdella stagnalis
Helobdella triserialis
Helobdella sp.
Piscicola spp.

Mollusca: Gastropoda

Acteocina canaliculata
Acteocina sp.
Amnicola limosa
Anachis avara
Anachis lafresnayi
Anachis obesa
Astyris lunata
Balcis intermedia
Boonea bisuturalis
Boonea impressa
Busycon canaliculatum
Busycon sp.
Caecidae (unidentified)
Campeloma decisum
Cerithiopsis greeni
Crassispira ostrearum
Cratena pilata
Crepidula fornicata
Crepidula plana

Cylichnella bidentata
Doridella obscura
Epitonium humphreysi
Epitonium multistriatum
Epitonium rupicola
Epitonium sp.
Eupleura caudata
Ferrissia rivularis
Ferrisia sp.
Goniobasis virginica
Gyraulius spp.
Haminoea solitaria
Helisoma spp.
Hydrobia truncata
Hydrobia sp.
Kurtziella atrostyla
Laevapex fuscus
Littoridinops tenuipes
Littorina spp.
Lymnaeidae (unidentified)
Mangelia plicosa
Menetus dilatatus
Nassarius trivittatus
Nassarius vibex
Nassarius sp.
Natica pusilla
Odostomia engonia
Odostomia sp. A
Odostomia sp.
Onchidoris aspera
Physa spp.
Physella spp.
Pleurocera spp.
Polinices duplicatus
Pyramidella spp.
Rictaxis punctostriatus
Sayella chesapeakea
Skeneopsis planorbis
Turbonilla interrupta
Turbonilla sp.
Urosalpinx cinerea
Valvata spp.
Vitrinellidae (unidentified)

Mollusca: Bivalvia

Aligena elevata
Amygdalum papyrium
Anadara ovalis
Anadara transversa
Anadara sp.
Anodonta spp.
Anomia simplex
Barnea truncata

Corbicula fluminea
Crassostrea virginica
Cyrtopleura costata
Dosinia discus
Elliptio complanata
Ensis directus
Gemma gemma
Geukensia demissa
Ischadium recurvum
Lampsilis spp.
Lyonsia hyalina
Macoma balthica
Macoma mitchelli
Macoma tenta
Macoma sp.
Mercenaria mercenaria
Modiolus americanus
Modiolus modiolus
Mulinia lateralis
Musculium transversum
Musculium sp.
Mya arenaria
Mysella planulata
Mytilopsis leucophaeata
Mytilus edulis
Noetia ponderosa
Nucula proxima
Nuculana messanensis
Nuculana sp.
Pandora gouldiana
Pandora trilineata
Parvilucina crenella
Periploma spp.
Petricola pholadiformis
Pisidium spp.
Rangia cuneata
Semele purpurascens
Siliqua costata
Solemya velum
Sphaerium spp.
Spisula solidissima
Tagelus divisus
Tagelus plebeius
Tellina agilis
Yoldia limatula
Yoldia sp.

HIGHER TAXONOMIC GROUP (Phylum: Class: Order)	SPECIES OR TAXON NAME
Arthropoda: Merostomata	Limulus polyphemus
Arthropoda: Arachnida	Hydracarina (unidentified)
Arthropoda: Pycnogonida	Tanystylum orbiculare
Arthropoda: *Branchiura	Argulus spp.
Arthropoda: *Cirripedia	Balanus improvisus
Arthropoda: Malacostraca: Mysidacea	Americamysis almyra Americamysis bigelowi Americamysis sp. Heteromysis formosa Neomysis americana
Arthropoda: Malacostraca: Cumacea	Almyracuma proximoculi Cyclaspis varians Leucon americanus Oxyurostylis smithi Pseudoleptocuma minor
Arthropoda: Malacostraca: Tanaidacea	Hargeria rapax Leptognathia caeca
Arthropoda: Malacostraca: Isopoda	cf. Aegathoa medialis Ancinus depressus Caecidotea communis Caecidotea sp. Cassinidea ovalis Chiridotea arenicola Chiridotea almyra Chiridotea caeca Chiridotea nigrescens Chiridotea sp. Cyathura polita Cyathura sp. Edotea triloba Erichsonella attenuata Erichsonella filiformis Erichsonella sp. Lironeca ovalis Paracerceis caudata Ptilanthura tenuis Sphaeroma quadridentatum Synidotea laticauda

Arthropoda: Malacostraca: Amphipoda

Acanthohaustorius millsii
Americhelidium americanum
Ameroculodes species complex
Ampelisca abdita
Ampelisca vadorum
Ampelisca verrilli
Ampelisca sp.
Ampithoe valida
Apocorophium acutum
Apocorophium lacustre
Apocorophium simile
Batea catharinensis
Caprella equilibra
Caprella penantis
Cerapus tubularis
Corophium lacustre
Corophium volutator
Corophium sp.
Cymadusa compta
Dulichella appendiculata
Elasmopus laevis
Erichthonius brasiliensis
Gammarus daiberi
Gammarus fasciatus
Gammarus palustris
Gammarus tigrinus
Gammarus sp.
Hyalella azteca
Incisocalliope aestuarius
Jassa falcata
Lepidactylus dytiscus
Leptocheirus plumulosus
Leucothoidae (unidentified)
Listriella barnardi
Listriella bowenae
Listriella clymenellae
Listriella smithi
Listriella sp.
Melita nitida
Melita sp.
Microprotopus raneyi
Monocorophium acherusicum
Monocorophium insidiosum
Monocorophium tuberculatum
Mucrogammarus mucronatus
Paracaprella tenuis
Parametopella cypris
Parathemisto compressa
Photis pollex
Photis reinhardi
Photis sp.

Pleusymtes glaber
Rhepoxynius hudsoni
Stenothoe minuta
Stenothoe sp.
Unciola dissimilis
Unciola irrorata
Unciola serrata
Unciola sp.

Arthropoda: Malacostraca: Decapoda

Alpheus heterochaelis
Biffarius biformis
Callinassa setimanus
Callinectes sapidus
Crangon septemspinosa
Dyspanopeus sayi
Euceramus praelongus
Eurypanopeus depressus
Hexapanopeus angustifrons
Leptalpheus forceps
Libinia dubia
Ogyrides alphaerostris
Pagurus longicarpus
Pagurus pubescens
Pagurus sp.
Palaemonetes pugio
Palaemonetes sp.
Panopeus herbstii
Pinnixa chaetoptera
Pinnixa cristata
Pinnixa retinens
Pinnixa sayana
Pinnixa sp.
Pinnotheres ostreum
Polyonyx gibbesi
Rhithropanopeus harrisi
Upogebia affinis

Arthropoda: Malacostraca: Stomatopoda

Squilla empusa

Arthropoda: Insecta: Collembola

Collembola (unidentified)

Arthropoda: Insecta: Ephemeroptera

Baetidae (unidentified)
Caenis spp.
Ephoron spp.
Eurylophella spp.
Hexagenia limbata
Hexagenia sp.
Paraleptophlebia spp.
Potamanthus spp.
Stenacron spp.
Tricorythodes spp.

Arthropoda: Insecta: Odonata

Aeshna spp.
Dromogomphus armatus
Dromogomphus sp.
Enallagma spp.
Gomphus spp.
Ischnura spp.

Arthropoda: Insecta: Plecoptera

Allocaenia spp.

Arthropoda: Insecta: Coleoptera

Chrysomelidae (unidentified)
Curculionidae (unidentified)
Dryopidae (unidentified)
Dubiraphia spp.
Microcyloepus spp.
Optioservus spp.
Peltodytes spp.
Stenelmis spp.

Arthropoda: Insecta: Trichoptera

Ceraclea spp.
Cheumatopsyche spp.
Cynellus spp.
Hydropsyche spp.
Hydroptila spp.
Oecetis inconspicua
Oecetis spp.
Polycentropus spp.

Arthropoda: Insecta: Diptera

Family Tipulidae

Erioptera spp.

Family Chaoboridae

Chaoborus albatus
Chaoborus punctipennis
Chaoborus spp.

Family Ceratopogonidae

Bezzia spp.
Palpomyia spp.
Probezzia spp.

Family Chironomidae

Ablabesmyia mallochi
Ablabesmyia monilis
Ablabesmyia parajanta
Ablabesmyia sp.
Axarus festivus
Axarus sp.
Chironomus attenuatus
Chironomus decorus
Chironomus sp.
Cladopelma spp.
Cladotanytarsus mancus group
Cladotanytarsus sp. A Epler
Cladotanytarsus sp. B Epler

Cladotanytarsus sp. F Epler
Cladotanytarsus sp.
Clinotanypus pinguis
Clinotanypus sp.
Coelotanypus spp.
Cricotopus bicinctus
Cricotopus sylvestris
Cricotopus/Isocladius group
Cricotopus/Orthocladius group
Cricotopus sp.
Cryptochironomus fulvus
Cryptochironomus parafulvus
Cryptochironomus sp.
Cryptotendipes spp.
Diamesinae (unidentified)
Dicrotendipes neomodestus
Dicrotendipes nervosus
Dicrotendipes sp.
Djalmabetista pulcher
Einfeldia spp.
Endochironomus subtendens
Endochironomus sp.
Epoicocladius spp.
Eukiefferiella devonica complex
Eukiefferiella sp.
Glyptotendipes spp.
Harnischia spp.
Hydrobaenus spp.
Lauterborniella spp.
Limnophyes spp.
Lipiniella spp.
Mesosmittia spp.
Microchironomus spp.
Micropsectra spp.
Microtendipes spp.
Nanocladius balticus
Nanocladius bicolor group
Nanocladius distinctus
Nanoclaudius sp.
Parachironomus frequens group
Parachironomus monochromus/tenuicadatus group
Parachironomus sp.
Paracladopelma spp.
Paralauterborniella spp.
Parametriocnemus spp.
Paratendipes spp.
Phaenopsectra spp.
Polypedilum convictum
Polypedilum fallax
Polypedilum halterale group
Polypedilum illinoense group
Polypedilum scallaenum group

Polypedilum simulans/digitifer
Polypedilum tripodura
Polypedilum sp.
Procladius sublettei
Procladius sp.
Psectrotanypus dyari
Pseudochironomus fulviventris
Pseudochironomus sp.
Rheotanytarsus spp.
Smittia spp.
Stempellina spp.
Stictochironomus caffarius
Stictochironomus sp.
Tanypus neopunctipennis
Tanypus stellatus
Tanypus sp.
Tanytarsus sp. G Epler
Tanytarsus sp.
Thienemanniella spp.
Thienemannimyia group
Tribelos spp.
Xenochironomus festivus
Xenochironomus sp.
Zavreliella spp.

Family Empididae

Family Dolichopodidae

Hemerodromia spp.

Dolichopodidae (unidentified)

HIGHER TAXONOMIC GROUP (Phylum: Class: Order)	SPECIES OR TAXON NAME
Sipuncula	Phascolion strombi
Echiura	Thalassema hartmani
Phoronida	Phoronis spp.
Echinodermata: Ophiuroidea	Microphiopholis atra
Echinodermata: Echinoidea	Echinoidea (unidentified)
Echinodermata: Holothuroidea	Leptosynapta tenuis Pentamera pulcherrima Thyonella pervicax
Hemichordata: Enteropneusta	Balanoglossus aurantiacus Saccoglossus kowalevskii
Chordata: Ascidiacea	Cnemidocarpa mollis Molgula lutulenta Molgula manhattensis
Chordata: Cephalochordata	Branchiostoma caribaeum

*Subclass