

# Unmanaged Forage Taxa

As approved by the Council on 4/12/16

The table below contains a list of unmanaged forage taxa approved by the Mid-Atlantic Fishery Management Council for potential inclusion in the Unmanaged Forage Omnibus Amendment. The right-hand column includes examples of species and groups which are encompassed by each taxonomical grouping. This list will be presented during public hearings and may be modified in the future based on public input and recommendations from the Council's advisory bodies and NOAA Fisheries.

Unmanaged Forage Taxa	Examples of unmanaged species or groups found in Mid-Atlantic federal waters
<b>Engraulidae</b> The anchovy family	<ul style="list-style-type: none"> <li>• Striped anchovy, <i>Anchoa hepsetus</i></li> <li>• Dusky anchovy, <i>Anchoa lyolepis</i></li> <li>• Bay anchovy, <i>Anchoa mitchilli</i></li> <li>• Silver anchovy, <i>Engraulis eurystole</i></li> </ul>
<b>Clupeidae</b> The herring family	<ul style="list-style-type: none"> <li>• Round herring, <i>Etrumeus teres</i></li> <li>• Scaled sardine, <i>Harengula jaguana</i></li> <li>• Atlantic thread herring, <i>Opisthonema oglinum</i></li> <li>• Spanish sardine, <i>Sardinella aurita</i></li> </ul>
<b>Argentinidae</b> The argentine family	<ul style="list-style-type: none"> <li>• Striated argentine, <i>Argentina striata</i></li> <li>• Pygmy argentine, <i>Glossanodon pygmaeus</i></li> </ul>
<b>Atherinopsidae</b> The neotropical silverside family	<ul style="list-style-type: none"> <li>• Rough silverside, <i>Membras martinica</i></li> <li>• Inland silverside, <i>Menidia beryllina</i></li> <li>• Atlantic silverside, <i>Menidia menidia</i></li> </ul>
<b>Ammodytidae</b> The sand lance family	<ul style="list-style-type: none"> <li>• American sand lance, <i>Ammodytes americanus</i></li> <li>• Northern sand lance, <i>Ammodytes dubius</i></li> </ul>
<b>Sternoptychidae</b> The pearlside and marine hatchetfish family	<ul style="list-style-type: none"> <li>• Muller's pearlside, <i>Maurolicus muelleri</i></li> <li>• Weizman's pearlside, <i>Maurolicus weitzmani</i></li> </ul>
<b>Chlorophthalmidae</b> The greeneye family	<ul style="list-style-type: none"> <li>• Shortnose greeneye, <i>Chlorophthalmus agassizi</i></li> <li>• Longnose greeneye, <i>Parasudis truculenta</i></li> </ul>
<b><i>Scomber colias</i></b> Atlantic chub mackerel	
<b><i>Auxis rochei</i></b> Bullet mackerel	
<b><i>Auxis thazard</i></b> Frigate mackerel	
<b><i>Euthynnus alletteratus</i></b> Little tuna/false albacore	

<b><i>Scomberesox saurus</i></b> Atlantic saury	
<b>Hemiramphidae</b> The halfbeak family	<ul style="list-style-type: none"> <li>• Flying halfbeak, <i>Euleptorhamphus velox</i></li> <li>• Balao, <i>Hemiramphus balao</i></li> <li>• Ballyhoo, <i>Hemiramphus brasiliensis</i></li> <li>• False silverstripe halfbeak/American halfbeak/Meek's halfbeak, <i>Hyporhamphus meeki</i></li> </ul>
<b>Ophidiiformes</b> The cusk eel order	<ul style="list-style-type: none"> <li>• Chain pearlfish, <i>Echiodon dawsoni</i>, carapidae family</li> <li>• Fawn cusk-eel, <i>Lepophidium profundorum</i>, ophidiidae family</li> <li>• Striped cusk-eel, <i>Ophidion marginatum</i>, ophidiidae family</li> </ul>
<b>Pelagic molluscs</b>	<ul style="list-style-type: none"> <li>• Ommastrephidae (the arrow squid family)           <ul style="list-style-type: none"> <li>- Neon flying squid, <i>Ommastrephes bartramii</i></li> <li>- Oceanic squid, <i>Todarodes sagittatus</i></li> </ul> </li> <li>• Loliginidae (the pencil squid family)           <ul style="list-style-type: none"> <li>- Atlantic brief squid, <i>Lolliguncula brevis</i></li> </ul> </li> <li>• Sepiolidae (the bobtail squid family)           <ul style="list-style-type: none"> <li>- Odd bobtail squid, <i>Heteroteuthis dispar</i></li> <li>- Big fin bobtail squid, <i>Rossia megaptera</i></li> <li>- Warty bobtail squid, <i>Rossia palpebrosa</i></li> <li>- Lesser shining bobtail squid, <i>Semirossia tenera</i></li> <li>- Butterfly bobtail squid, <i>Stoloteuthis leucoptera</i></li> </ul> </li> <li>• Cranchiidae (the glass or bathyscaphoid squid family)</li> <li>• Sepiidae (the cuttlefish family)</li> <li>• Order octopoda (octopods)           <ul style="list-style-type: none"> <li>- Tuberculate pelagic octopus, <i>Ocythoe tuberculata</i>, family Ocythoidae</li> </ul> </li> <li>• Pteropods           <ul style="list-style-type: none"> <li>- Order gymnosomata (sea angels)</li> <li>- Order thecosomata (sea butterflies)</li> </ul> </li> </ul>
<b>Myctophidae</b> The lanternfish family	<ul style="list-style-type: none"> <li>• Horned lanternfish, <i>Ceratoscopelus maderensis</i></li> <li>• Dumril's headlightfish, <i>Diaphus dumerilii</i></li> <li>• Crocodile lanternfish, <i>Lampanycuts crocodilus</i></li> <li>• Doflein's false headlightfish, <i>Lobianchia dofleini</i></li> <li>• Spotted lanternfish, <i>Myctophum punctatum</i></li> </ul>
<b>Copepods, krill, amphipods and any other species under 1 inch as adults</b>	<ul style="list-style-type: none"> <li>• Calanidae (the copepod family)</li> <li>• Euphausiidae (the euphausiid krill family)</li> <li>• Order amphipoda (amphipods)</li> <li>• Class ostracoda (ostracods)</li> <li>• Order isopoda (isopods)</li> </ul>