

## Appendix E

### Interim Trigger List of Introduced Marine Pests

#### CRITERIA

##### **Necessary and sufficient information to justify including a species on the trigger list (all four need to be satisfied)**

1. Demonstrable invasive history.
2. One or more relevant transport vectors are still operating.
3. Demonstrable impact in native or invaded ranges on:
  - ?? economy;
  - ?? environment;
  - ?? human health; or
  - ?? amenity.
4. Inferred as likely to have major impacts in Australia based on the overseas data and characteristics of Australian environments and marine communities.

##### **Necessary and sufficient information to justify removing species from the trigger list (any one needs to be satisfied)**

1. Scientific, empirical data show that impacts overseas are less than previously thought.
2. Scientific, empirical data show that impacts in Australia are likely to be less than previously thought.
3. Already is or becomes widely distributed in Australia.

**INTERIM LIST**

<b>Species</b>	<b>Common Name</b>	<b>Native Distribution</b>	<b>Introduced Distribution</b>
<i>Aurelia aurita</i>	Moon Jelly	Northern Hemisphere	Hawaii
<i>Caulerpa taxifolia</i> Aquarium strain	Marine Algae	Native strains circumtropical	Invasive ‘hybrid’ in Mediterranean Sea
<i>Cyanea</i> spp.	Lion’s Mane Jelly	Northern Hemisphere	?
<i>Dreissena bugensis</i>	Quagga Mussel	Europe	North America
<i>Eriochir sinensis</i>	Chinese Mitten Crab	North West Pacific	Europe; West North America
<i>Mnemiopsis leidyi</i>	Comb Jelly	Western Atlantic	Black Sea; Mediterranean
<i>Mytilopsis sallei</i>	Black Striped Mussel	Caribbean	Hong Kong; India; Singapore; [Darwin, NT]
<i>Pfiesteria piscicida</i>	Dinoflagellate	North West Atlantic	?? (proposed as introduced to N America)
<i>Potamocorbula amurensis</i>	Asian clam	North West Pacific	North East Pacific (SF Bay)
<i>Rapana thomasina</i>	Gastropod	North West Pacific	Black Sea
<i>Rapana venosa</i>	Gastropod	North West Pacific	North West Atlantic (Chesapeake Bay)
<i>Sargassum muticum</i>	Asian Seaweed	North West Pacific	North West Pacific; England
<b>In Australia, but not widespread</b>			
<i>Asterias amurensis</i>	Northern Pacific Seastar	North West Pacific	Tasmania, Victoria
<i>Codium fragile</i> spp. <i>tomentosoides</i>	Broccoli weed, Dead man’s fingers	North East Pacific	Tasmania, Victoria
<i>Musculista senhousia</i>	Asian Date or Bag Mussel	North West Pacific, South Asian Seas	Tasmania, Victoria, Western Australia
<i>Undaria pinnatifida</i>	Undaria Seaweed “wakame”	North West Pacific	Tasmania, Victoria

Note that this list is currently limited to marine and estuarine species.