

# Common Aquatic Gastropods of Brunei



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Front Cover (from left):

First line: *Patelloida saccharina*, *Nassarius olivaceus*, *Neritina violacea*, *Terebralia palustris*, *Chicoreus capucinus*, *Telescopium telescopium*

Second line: *Indothais gradata*, *Turbo sp.*, *Notoacmea sp.*, *Nerita albicilla*

***Earth and sky, woods and fields, lakes and rivers, the  
mountain and the sea,  
are excellent schoolmasters and teach some of us more  
than we can ever learn from books  
~ Sir John Lubbock (1834 - 1913)***



Meragang mangrove forest, Brunei Darussalam

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Periwinkle, *Littoraria pallescens* at  
Meragang mangrove forest, Brunei Darussalam

## FOREWORD

The production of this booklet was motivated by hosting of the *Gastropod thermal biology and climate change in the tropics* workshop held under auspices iCUBE (The International Consortium of Universities for the Study of Biodiversity and the Environment) at UBD between 08 -11 December 2014. This is by far an incomplete treatment of the snail fauna of Brunei, but it deals with the species particularly relevant to this workshop. It covers the abundant and common taxa associated with coastal ecological systems in the region such as the rocky shores, mangroves and estuaries. These systems are generally of considerable interest to the evolution of gastropods. Notably, in the mega-diverse faunistic region in which Brunei is geographically located there are no less than twelve species of ellobiid snails, living in mangrove and forest fringe habitats, many of which represent an evolutionary reversion from land to sea.

While there is a need for a more comprehensive consideration of the gastropods of Brunei, we hope that this booklet will fill a gap. However, we aimed to present a taxonomically up-to-date guide for the taxa considered at this workshop.

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November 2014

**Plate 1: Patellogastropoda & Vetigastropoda**

- (1) Lottioidea, Nacellidae, *Cellana testudinaria*
- (2) Lottioidea, Lottiidae, *Notoacmea sp.*
- (3) Lottioidea, Lottiidae, *Patelloida saccharina*
- (4) Seguenzioidea, Chilodontidae, *Euchelus sp.*
- (5) Trochoidea, Trochidae, *Umbonium vestiarium*
- (6) Trochoidea, Trochidae, *Monodonta canalifera*
- (7) Trochoidea, Trochidae, *Trochus cariniferus*
- (8) Trochoidea, Turbinidae, *Turbo sp.*

# Plate 1: Patellogastropoda & Vetigastropoda



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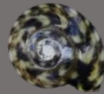
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**Plate 2: Neritimorpha**

- (1) Neritoidea, Neritidae, *Nerita chamaeleon*
- (2) Neritoidea, Neritidae, *Nerita albicilla*
- (3) Neritoidea, Neritidae, *Nerita undata*
- (4) Neritoidea, Neritidae, *Nerita polita*
- (5) Neritoidea, Neritidae, *Nerita balteata*
- (6) Neritoidea, Neritidae, *Nerita planospira*
- (7) Neritoidea, Neritidae, *Nerita sp. 1*
- (8) Neritoidea, Neritidae, *Nerita sp. 2*
- (9) Neritoidea, Neritidae, *Neritina violacea*
- (10) Neritoidea, Neritidae, *Clithon faba*
- (11) Neritoidea, Neritidae, *Clithon oualaniense*

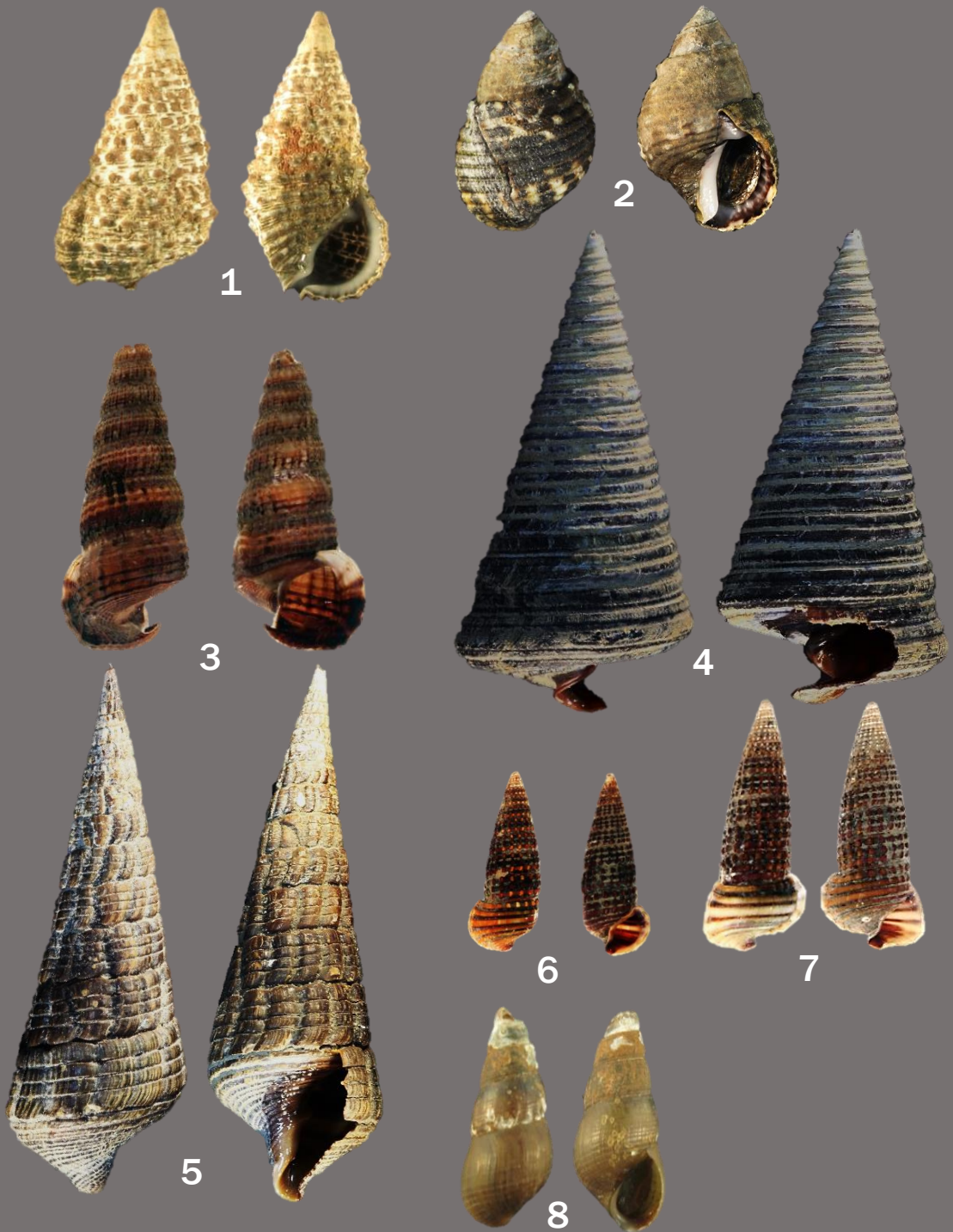
# Plate 2: Neritimorpha



**Plate 3: Caenogastropoda**

- (1) Cerithioidea, Batillariidae, *Batillaria* sp.**
- (2) Cerithioidea, Planaxidae, *Planaxis sulcatus***
- (3) Cerithioidea, Potamididae, *Cerithidea quadrata***
- (4) Cerithioidea, Potamididae, *Telescopium telescopium***
- (5) Cerithioidea, Potamididae, *Terebralia palustris***
- (6) Cerithioidea, Potamididae, *Cerithideopsilla cingulata***
- (7) Cerithioidea, Potamididae, *Cerithideopsilla alata***
- (8) Cerithioidea, Thiaridae, *Melanoides* sp.**

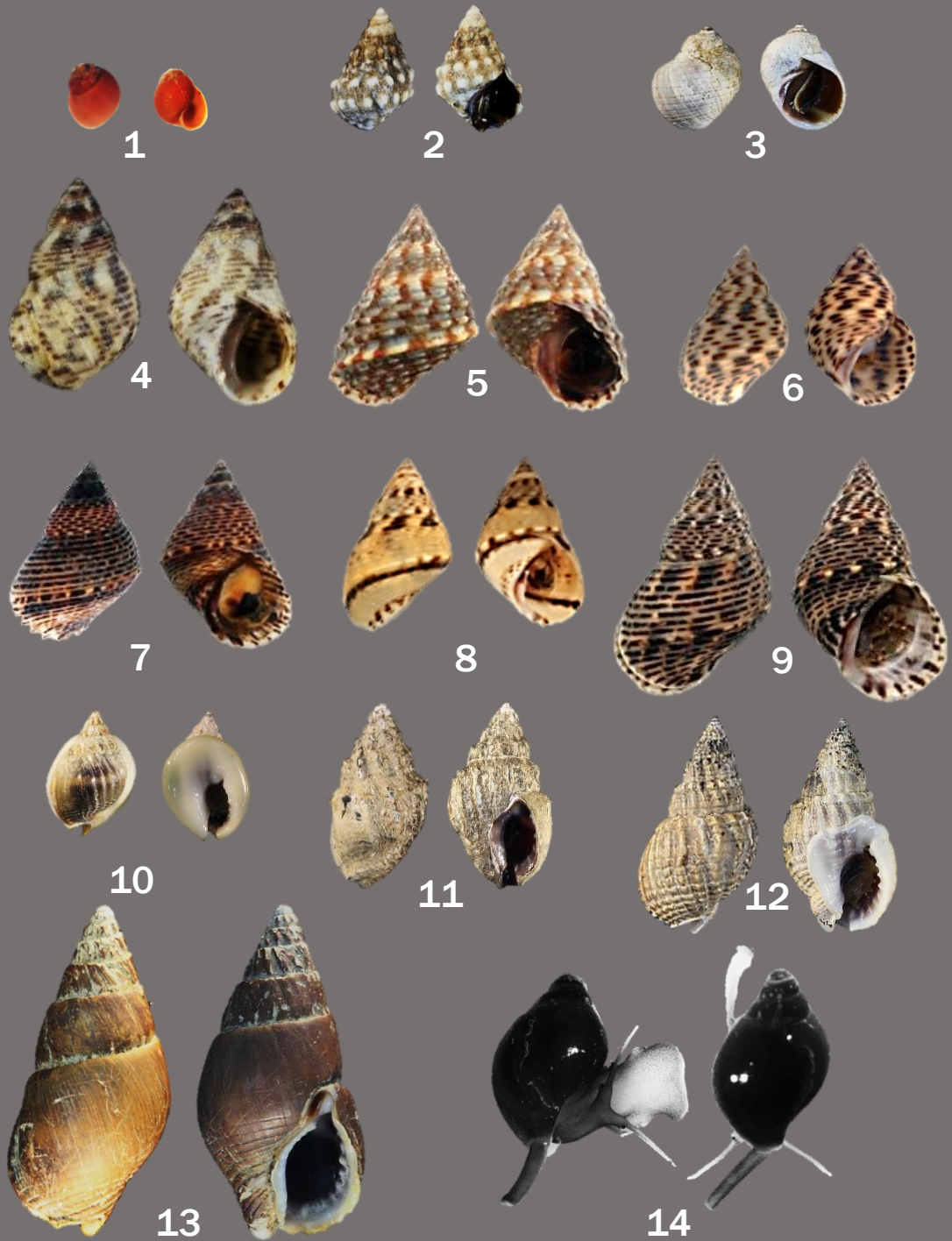
# Plate 3: Caenogastropoda



**Plate 4: Caenogastropoda**

- (1) Truncatelloidea, Assimineidae, *Assiminea* sp.
- (2) Littorinoidea, Littorinidae, *Echinolittorina malaccana*
- (3) Littorinoidea, Littorinidae, *Echinolittorina vidua*
- (4) Littorinoidea, Littorinidae, *Littoraria undulata*
- (5) Littorinoidea, Littorinidae, *Littoraria carinifera*
- (6) Littorinoidea, Littorinidae, *Littoraria strigata*
- (7) Littorinoidea, Littorinidae, *Littoraria articulata*
- (8) Littorinoidea, Littorinidae, *Littoraria pallescens*
- (9) Littorinoidea, Littorinidae, *Littoraria lutea*
- (10) Buccinoidea, Nassariidae, *Nassarius pullus*
- (11) Buccinoidea, Nassariidae, *Nassarius* sp. 1
- (12) Buccinoidea, Nassariidae, *Nassarius* sp. 2
- (13) Buccinoidea, Nassariidae, *Nassarius olivaceus*
- (14) Buccinoidea, Buccinidae, *Clea nigricans*

# Plate 4: Caenogastropoda



**Plate 5: Caenogastropoda**

- (1) Buccinoidea, Melongenidae, *Volegalea cochlidium*
- (2) Buccinoidea, Melongenidae, *Volema myristica*
- (3) Muricoidea, Muricidae, *Semiricinula tissoti*
- (4) Muricoidea, Muricidae, *Indothais gradata*
- (5) Muricoidea, Muricidae, *Morula* sp.
- (6) Muricoidea, Muricidae, *Reishia bitubercularis*
- (7) Muricoidea, Muricidae, *Chicoreus capucinus*

Plate 5: Caenogastropoda



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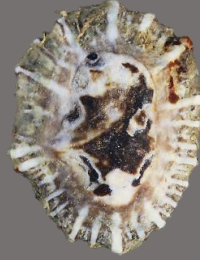
**Plate 6: Heterobranchia**

- (1) Siphonarioidea, Siphonaridae, *Siphonaria* sp. 1**
- (2) Siphonarioidea, Siphonaridae, *Siphonaria* sp. 2**
- (3) Ellobioidea, Ellobiidae, *Ellobium aurismidae***
- (4) Ellobioidea, Ellobiidae, *Ellobium aurisjudae***
- (5) Ellobioidea, Ellobiidae, *Ellobium tornatelliforme***
- (6) Ellobioidea, Ellobiidae, *Ellobium* sp. 1**
- (7) Ellobioidea, Ellobiidae, *Melampus* sp.**
- (8) Ellobioidea, Ellobiidae, *Phythia plicata***

# Plate 6: Heterobranchia



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**Plate 7: Heterobranchia**

**(1) Ellobioidea, Ellobiidae, *Cassidula aurisfelis***

**(2) Ellobioidea, Ellobiidae, *Cassidula nucleus***

**(3) Ellobioidea, Ellobiidae, *Cassidula sulculosa***

**(4) Ellobioidea, Ellobiidae, *Cassidula sp. 1***

**(5) Ellobioidea, Ellobiidae, *Laemodonta sp. 1***

# Plate 7: Heterobranchia



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