

Marshall's Mysteries 4

Do you know what these animals are, or what they are doing? Have a guess – answers on page 62.

A

© Colin Marshall



night dive, Halmahera, Indonesia

tubes about 2 cm long

C

© Colin Marshall / Alamy



Dili, East Timor (Timor Leste)

about 6 cm long

B

© Colin Marshall

B¹



© Colin Marshall / Ardea

B²



© Colin Marshall

B³

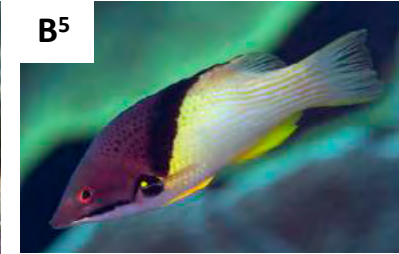


B⁴



© Colin Marshall

B⁵



© Colin Marshall

B⁶



© Colin Marshall

Match the juveniles (left) with the adults (right).

D



Lembeh, Sulawesi, Indonesia

Image about 2 cm left to right

© Colin Marshall / FLPA / Minden

Guidelines for contributors

The response to UwP has been nothing short of fantastic. We are looking for interesting, well illustrated articles about underwater photography. We are looking for work from existing names but would also like to discover some of the new talent out there and that could be you! UwP is the perfect publication for you to increase your profile in the underwater photography community.

The type of articles we're looking for fall into five main categories:

Uw photo techniques - Balanced light, composition, etc

Locations - Photo friendly dive sites, countries or liveaboards,

Subjects -, Anything from whale sharks to nudibranchs in full detail

Equipment reviews - Detailed appraisals of the latest equipment

Personalities - Interviews/features about leading underwater photographers

**If you have an idea for an article,
contact me first before putting pen to paper.
E mail peter@uwpmag.com**

How to submit articles

To keep UwP simple and financially viable, we can only accept submissions by e mail and they need to be done in the following way:

1. The text should be saved as a TEXT file and attached to the e mail

2. Images must be attached to the e mail and they need to be 150dpi

Size - Maximum length 20cm i.e. horizontal pictures would be 20 cm wide and verticals would be 20cm high.

File type - Save your image as a JPG file and set the compression to "Medium" quality. This should result in images no larger than about 120k which can be transmitted quickly. If we want larger sizes we will contact you.

3. Captions - **Each and every image MUST have full photographic details** including camera, housing, lens, lighting, film, aperture, shutter speed and exposure mode. These must also be copied and pasted into the body of the e mail.

Marshall's Mysteries 4 - Answers

A



Siphons of boring Piddock (also called Angelwing) bivalve molluscs from the Pholadidae Family.

Piddocks create burrows in mud or wood (as in this case) and they extend their siphons to circulate sea water from which they extract food.

B

These are all "hogfish", a kind of Wrasse. The juveniles and corresponding adults are shown below :

B¹



B⁶



Saddleback Hogfish
Bodianus bilunulatus

B²

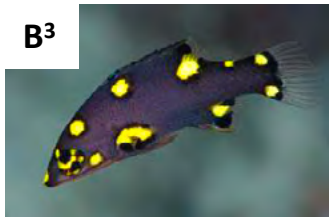


B⁴



Axilspot Hogfish
Bodianus axillaris

B³



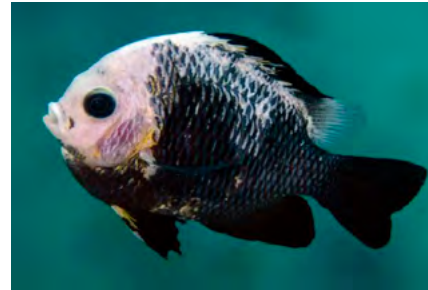
B⁵



Splitlevel Hogfish
Bodianus mesothorax

More detail on these Hogfish can be found on pages 636-40 of Volume 2 of "Reef Fishes of the East Indies" by Gerry Allen and Mark Erdmann.

C



Three-spot Dascyllus (*Dascyllus trimaculatus*), but this Damselfish has a leucistic variant (likely piebald genetic mutation).

D



Cone Shell (*Conus* sp), eating Spaghetti Worm (*Terebellidae* Family).

This partial loss of pigmentation resulting in white, pale, or patchy skin coloration is pretty common in animals. This abnormality makes them an easy target for predators, so it is usually only seen in larger species where individuals survive in the wild to adulthood.

Some species have the opposite condition, ie melanistic variants, eg black mantas in Raja Ampat where 40% of the mantas are black. The black morph coloration is believed to be a genetic consequence of the manta population being remote, with little contact with other mantas – and not (as originally hypothesized), to camouflage them from predators.

Normal Three-spot Dascyllus adult below :



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If you think any of the identifications or information above is wrong, please let me know at colintrmarshall@yahoo.com. Feel free to send me any images of anything you'd like some help in identifying – any particularly interesting mysteries may be included in future Underwater Photography issues.