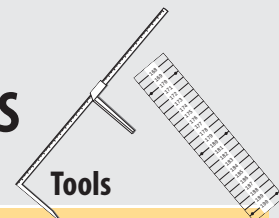


IDENTIFICATION CARDS FOR MARINE INVERTEBRATE SURVEYS IN THE PACIFIC ISLANDS

Measurements

Tools



Bivalves

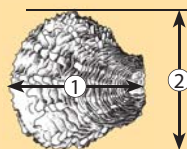
Giant clam



Longest length

Caliper
Ruler

Oyster



1: Distance from hinge to opposite edge
2: Shell width

Caliper
Ruler

Ark shell
(*Anadara* sp.)



Shell width

Caliper
Ruler

Penguin's wing
(*Pteria penguin*)

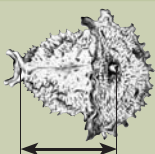


Umbo-ventral length

Caliper
Ruler

Gastropods

Sea hare



Total length

Caliper
Ruler

Trochus



Basal diameter (measure across the base of the shell)

Caliper
Ruler

Cone shell



Total length

Caliper
Ruler

Triton shell



Total length

Caliper
Ruler

Strombus shell



Total length

Caliper
Ruler

Conch shell
(*Lambis chiragra*)



Total length (end of shell to end of furthest spike)

Caliper
Ruler

Turban snail
(*Turbo setosus*)



Longest width (end of apex to end of outer edge of whorl opening)

Caliper
Ruler

Measurements

Tools

Gastropods

Green snail



Longest width

Caliper
Ruler

Cowry shell



Total length

Caliper
Ruler

Cerith
(*Cerithium* sp.)

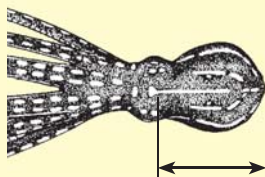


Total length

Caliper
Ruler

Cephalopods

Octopus

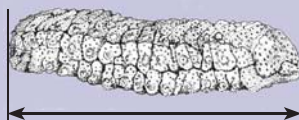


Mantle height

Ruler

Echinoderms

Sea cucumber



Length

Ruler

Sea urchin

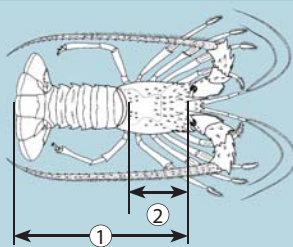


Length without spines

Caliper
Ruler

Crustaceans

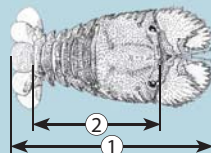
Spiny lobster



1: Length from front edge of carapace to
rear edge of telson
2: Carapace length

Caliper
Ruler

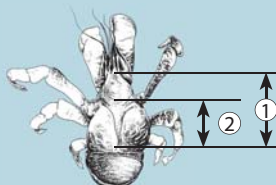
Slipper lobster



1: Total length
2: Length from eyeline to front of telson

Caliper
Ruler

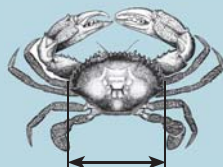
Coconut crab



1: Cephalo-thoracic length (CL)
2: Thoracic length (TL)

Caliper
Ruler

Mangrove crab



Carapace width

Ruler

BIVALVES

Arcidae



Anadara antiquata



Arca ventricosa



Fragum fragum

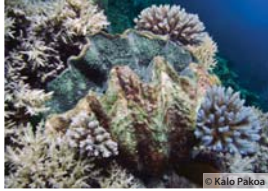


Fragum unedo



Fulvia laevigata

Cardiidae



Hippopus hippopus



Hippopus porcellanus



Lyrocardium lyratum



Tridacna crocea



Tridacna derasa



Tridacna gigas



Tridacna maxima



Tridacna squamosa



Tridacna tevoroa



Vasticardium angulatum

Carditidae



Vasticardium elongatum



Vasticardium flavum



Beguina semiorbiculara



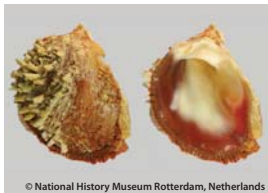
Chama croceata



Chama macerophylla

Chamidae

Donacidae



Chama pacifica



Donax cuneatus



Donax faba



Hyotissa hyotis



Codakia punctata

Gryphaeidae

Lucinidae

Mesodesmatidae

Mytilidae



Codakia tigerina



Fimbria fimbriata



Atactodea striata



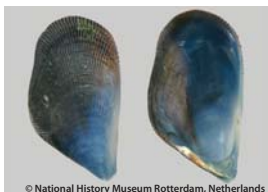
Lithophaga spp.



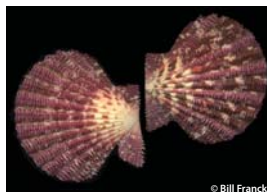
Modiolus auriculatus

Pectinidae

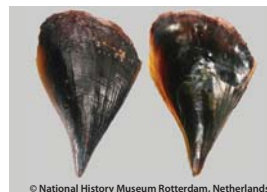
Pinnidae



Septifer bilocularis



Chlamys spp.



Atrina vexillum



Pinna bicolor



Pinna muricata

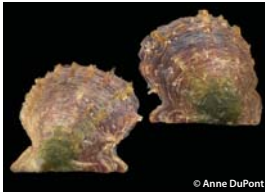
BIVALVES

Psammobiidae



Asaphis violascens

Pteriidae



Pinctada imbricata



Pinctada margaritifera



Pinctada maxima

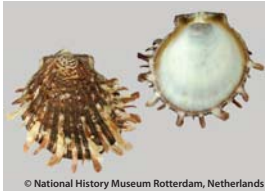


Pteria penguin

Spondylidae



Spondylus sinensis



Spondylus squamosus



Spondylus varius



Tellina palatum



Tellina scobinata

Tellinidae

Veneridae



Gafrarium pectinatum



Lioconcha annettae



Lioconcha castrensis



Lioconcha fastigiata



Periglypta puerpera



Periglypta reticulata



Pitar hebraeus



Pitar prora



Tapes literatus



Timoclea marica

CRUSTACEANS

Calappidae



Calappa spp.

Carpiliidae



Carpilius maculatus

Coenobitidae



Birgus latro

Diogenidae



Coenobita perlatus



Dardanus spp.

Eriphiidae



Eriphia sebana

Gecarcinidae



Cardisoma spp.



Cardisoma spp.

Grapsidae



Metopograpsus messor

Lysiosquillidae



Lysiosquillina maculata

Ocypodidae



Ocypode ceratophthalmus

Odontodactylidae



Odontodactylus scyllarus

Palaemonidae



Macrobrachium rosenbergii

Palinuridae



Panulirus femoristriga



Panulirus homarus

CRUSTACEANS

Palinuridae



Panulirus longipes

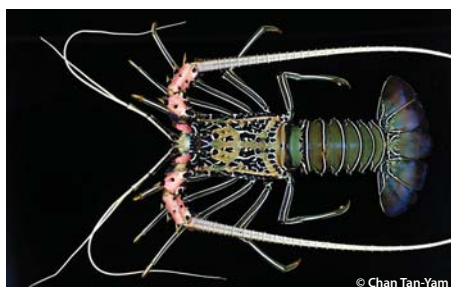


Panulirus ornatus



Panulirus penicillatus

Penaeidae



Panulirus versicolor



Penaeus monodon

Portunidae



Scylla paramamosain

Scyllaridae



Scylla serrata



Thalamita crenata



Parribacus antarcticus



Parribacus caledonicus



Parribacus holthuysi



Parribacus scarlatinus

Sesarmidae



Parasesarma erythodactyla

Thalassinidae



Thalassina anomala

Xanthidae



Etisus splendidus

ECHINODERMS – SEA CUCUMBERS

Actinopyga



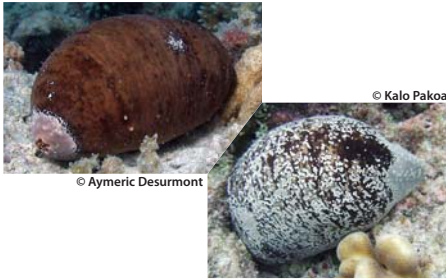
Actinopyga caerulea



Actinopyga echinites / Deepwater redfish



Actinopyga flammea / Spiky deepwater redfish



Actinopyga lecanora / Stonefish



Actinopyga mauritiana / Surf redfish



Actinopyga miliaris / Hairy blackfish



Actinopyga palauensis / Deepwater blackfish



Actinopyga sp. / Hairy greyfish



Actinopyga spinea / Burying blackfish

Bohadschia



Bohadschia argus / Leopardfish



Bohadschia argus / Leopardfish



Bohadschia similis / Chalkfish



Bohadschia vitiensis / Brown sandfish

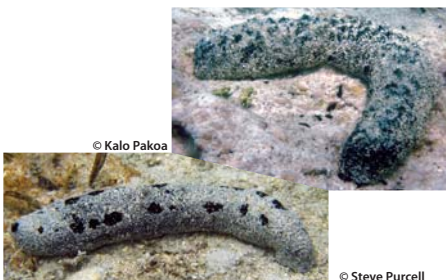


Bohadschia vitiensis / Brown sandfish



Bohadschia vitiensis / Brown sandfish

Holothuria



Holothuria atra / Lollyfish - Reef lollyfish



Holothuria coluber / Snakefish



Holothuria coronopertusa

ECHINODERMS – SEA CUCUMBERS



Holothuria edulis / Pinkfish



Holothuria flavomaculata / Red snakefish



Holothuria fuscogilva / White teatfish



Holothuria fuscopunctata / Elephant trunkfish



Holothuria lessoni / Golden sandfish



Holothuria leucospilota / White threadfish

Pearsonothuria



Holothuria scabra / Sandfish



Holothuria whitmaei / Black teatfish



Pearsonothuria graeffei / Flowerfish

Stichopus



Stichopus chloronotus / Greenfish



Stichopus herrmanni / Curryfish



Stichopus horrens / Dragonfish



Stichopus horrens / Dragonfish



Stichopus vastus / Brown curryfish

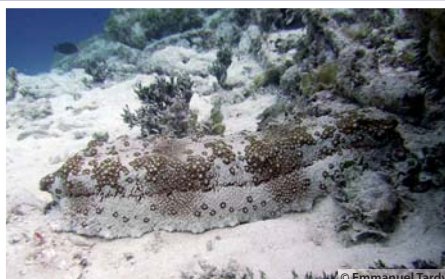


Stichopus vastus / Brown curryfish

Thelenota



Thelenota ananas / Prickly redfish



Thelenota anax / Amberfish



Thelenota rubralineata / Lemonfish

ECHINODERMS – SEA STARS

Acanthasteridae



Acanthaster planci

Asteropseidae



Valvaster striatus

Comasteridae



Comaster nobilis

Goniasteridae



Anchitosa queenslandensis



Fromia monilis

Ophidiasteridae



Linckia laevigata



Linckia laevigata



Linckia multifora



Nardoa novaecaledoniae

Ophiothrichidae



Ophiothrix spp.



Choriaster granulatus



Culcita novaeguineae

Oreasteridae



Protoreaster nodosus



Protoreaster nodosus

Tropiometridae



Tropiometra afra

ECHINODERMS – SEA URCHINS

Cidaridae



Phyllacanthus imperialis

Diadematidae



Diadema savignyi



Diadema setosum

Echinometridae



Echinothrix calamaris



Echinothrix diadema



Echinometra mathaei



Echinostrephus aciculatus



Heterocentrotus mamillatus



Heterocentrotus trigonarius

Paraseleniidae



Parasalenia gratiosa

Strongylocentrotidae



Strongylocentrotus purpuratus

Temnopleuridae



Mespilia globulus

Toxopneustidae



Salmacis belli



Toxopneustes pileolus



Tripneustes gratilla

GASTROPODS

Bursidae



Tutufa bubo

© Richard Parker



Tutufa rubeta

© Shadowshador



Cassis cornuta

© Shadowshador



Cerithium nodulosum

© David Beales, University of Hawaii Museum Consortium



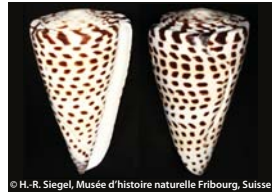
Conus leopardus

© H.-R. Siegel, Musée d'histoire naturelle Fribourg, Suisse

Cassidae

Cerithiidae

Conidae



Conus litteratus

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Conus marmoreus

© David Beales, University of Hawaii Museum Consortium



Conus miles

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Conus vexillum

© David Beales, University of Hawaii Museum Consortium



Coralliophila violacea

© Shadowshador

Coralliophilidae

Cypraeidae

Fasciariidae



Cypraea annulus

© David Beales, University of Hawaii Museum Consortium



Cypraea caputserpentis

© David Beales, University of Hawaii Museum Consortium



Cypraea tigris

© Pierre Peries



Latirolagena smaragdula

© Jacksonville Shell Club



Pleuroploca filamentosa

© Shadowshador

Mitridae

Muricidae



Pleuroploca trapezium

© Shadowshador



Mitra mitra

© David Beales, University of Hawaii Museum Consortium



Chicoreus ramosus

© Shadowshador



Drupa morum

© Shadowshador



Drupa rubusidaeus

© Shadowshador



Morula granulata

© David Beales, University of Hawaii Museum Consortium



Morula uva

© David Beales, University of Hawaii Museum Consortium



Nassa francolina

© Richard Parker



Nassa sarta

© David Beales, University of Hawaii Museum Consortium



Reishia armigera

© Richard Parker

Nassariidae



Thais aculeata

© Pierre Peries



Thais bitubularis

© Pierre Peries



Thais intermedia

© David Beales, University of Hawaii Museum Consortium



Thais tuberosa

© Shadowshador



Nassarius spp.

© Shadowshador

Naticidae

Neritidae



Mammilla melanostoma

© David Beales, University of Hawaii Museum Consortium



Polinices mammilla

© Shadowshador



Nerita albicilla

© Pierre Peries



Nerita plicata

© David Beales, University of Hawaii Museum Consortium



Nerita polita

© Udo Schmidt

GASTROPODS

Olividae



Oliva caerulea



Oliva miniacea



Ovula ovum



Telescopium telescopium



Terebralia palustris

Ranellidae



Charonia tritonis



Terebellum terebellum



Lambis chiragra



Lambis crocata



Lambis lambis

Seraphsidae

Strombidae



Lambis millepeda



Lambis scorpius



Lambis truncata



Strombus chrysostomus



Strombus gibberulus



Strombus latissimus



Strombus luhuanus



Strombus mutabilis



Strombus thersites

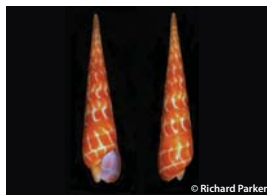


Tectus niloticus

Tegulidae



Tectus pyramis



Terebra dimidiata



Terebra maculata



Tonna perdx



Trochus maculatus

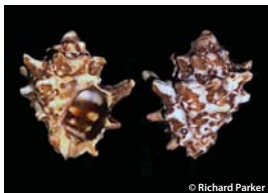
Terebridae

Tonnidae

Trochidae

Turbinellidae

Turbinidae



Vasum ceramicum



Vasum turbinellus



Astralium rhodostomum



Turbo argyrostomus



Turbo chrysostomus



Turbo crassus



Turbo marmoratus



Turbo petholatus



Turbo setosus



Dendropoma maximum

Vermetidae

ALGAE AND SEAGRASS

Caulerpaceae



Caulerpa bikinensis



Caulerpa pickeringii



Caulerpa racemosa



Caulerpa serrulata



Caulerpa sertularioides

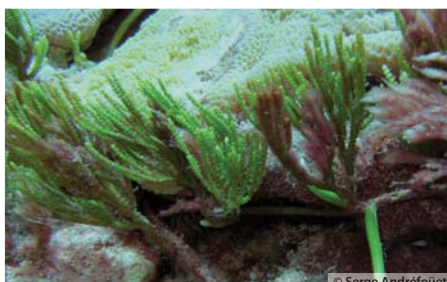


Caulerpa seuratii

Codiaceae



Caulerpa taxifolia



Caulerpa urvilleana

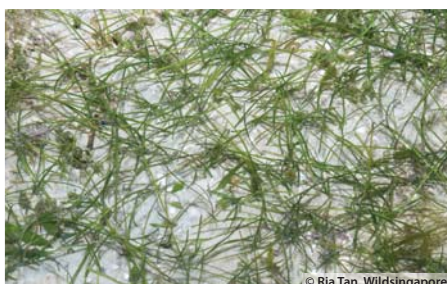


Codium edule

Corallinaceae



Jania tenella



Halodule uninervis



Syringodium isoetifolium

Cymodoceaceae

Dictyotaceae



Dictyota acutiloba



Padina australis



Padina sanctae-crucis

ALGAE AND SEAGRASS

Galaxauraceae



Galaxaura rugosa

Gracilariaceae



Gracilaria salicornia

Halimedaceae



Halimeda opuntia

Hydrocharitaceae



Halimeda taenicola



Enhalus acoroides



Halophila ovalis

Oscillatoriaceae



Thalassia hemprichii



Thalassia testudinum

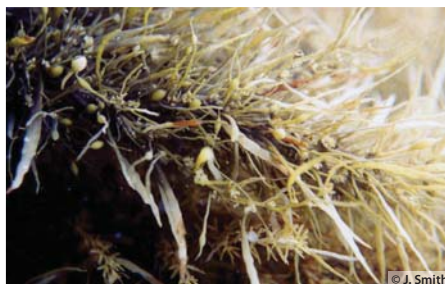


Lyngbya spp.

Sargassaceae



Sargassum aquifolium



Sargassum obtusifolium



Sargassum spinuligerum

Udoteaceae



Turbinaria ornata



Chlorodesmis fastigiata

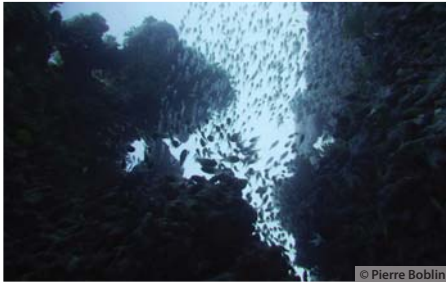
Valoniaceae



Valonia aegagropila

TYPES OF HABITAT

Topography / Complexity



High topography



Low topography / Low complexity

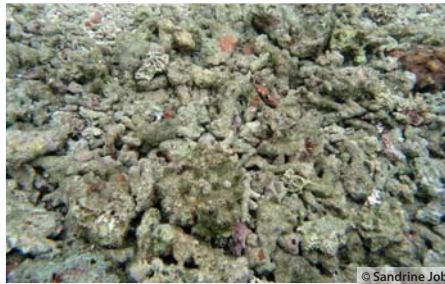


High complexity

Type of substrate



Rubble



Consolidated rubble



Pavement



Sand



Silt

Corals



Live coral



Soft coral



Encrusting coral



Dead coral



Bleaching coral



Crown-of-thorns feeding scar

TYPES OF HABITAT

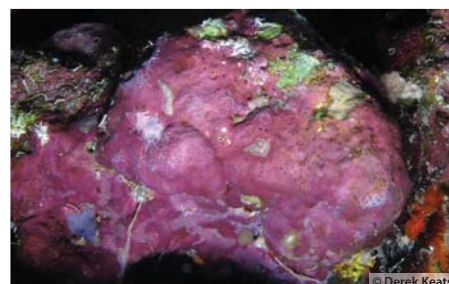
Others



Algae



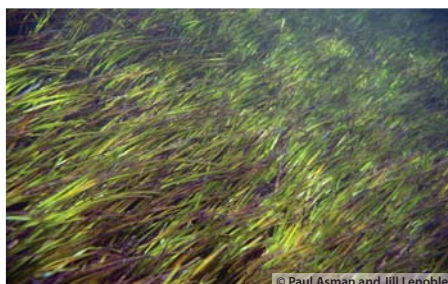
Coralline algae



Crustose coralline algae (CCA)



Fungoids / Mushroom coral



Seagrass



Sponge

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of the Secretariat of the Pacific Community.*

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*The contents of this publication are the sole responsibility of SPC and can in no way
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