

APPENDIX I

**CORAL SPECIES LIST FOR THE CAPE
TRIBULATION AREA**

BY

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SOURCE : Veron, J.E.N., 1986. Checklist of corals from the Daintree Reefs. Fringing Reef Workshop - Science, Industry and Management. Great Barrier Reef Marine Park Authority, Workshop Series No. 9, p.99-103.

Checklist of corals from the Daintree Reefs

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Summary

141 species of scleractinian corals, belonging to more than 50 genera, were recorded from the Daintree reefs during a 3 day study in November, 1985. Of these species, *Alveopora gigas*, *A. marionensis* and *Psammocora* sp. have not previously been recorded from the Great Barrier Reef. The absence of any previous record of *Alveopora gigas* from any eastern Australian community except the Daintree reefs is extraordinary since the species forms conspicuous colonies with large and very distinctive polyps.

Species List

<i>Acanthastrea echinata</i>	..... rare, recorded from Ayling alone
<i>Acropora aculeus</i>	..... rare
<i>Acropora anthocercis</i>	..... rare, difficult to recognize
<i>Acropora brueggemanni</i>	..... very common and widespread
<i>Acropora cerealis</i>	..... uncommon
<i>Acropora cytherea</i>	..... patchy
<i>Acropora danai</i>	..... in one area only
<i>Acropora divaricata</i>	..... common, most colonies purple
<i>Acropora donei</i>	..... patchy
<i>Acropora elseyi</i>	..... patchy, abundant at one site
<i>Acropora formosa</i>	..... patchy
<i>Acropora grandis</i>	..... rare or very patchy
<i>Acropora humilis</i>	..... uncommon
<i>Acropora hyacinthus</i>	..... uncommon
<i>Acropora kirstyae</i>	..... rare
<i>Acropora latistella</i>	..... patchy
<i>Acropora microclados</i>	..... uncommon
<i>Acropora microphythalma</i>	..... very common in some area
<i>Acropora millepora</i>	..... uncommon; distinct salmon pink
<i>Acropora nasuta</i>	..... patchy
<i>Acropora palifera</i>	..... very common
<i>Acropora paniculata</i>	..... rare
<i>Acropora samoensis</i>	..... common
<i>Acropora selago</i>	..... patchy or uncommon
<i>Acropora subulata</i>	..... very common
<i>Acropora tenuis</i>	..... common, very distinct
<i>Acropora</i> sp.	..... very common, widespread
<i>Acropora valida</i>	..... very common in shallow water
<i>Acropora vaughani</i>	..... patchy
<i>Acropora willisae</i>	..... common in shallow water
<i>Alveopora gigas</i>	..... common, not previously recorded in eastern Australia
<i>Alveopora marionensis</i>	..... common, not previously known from GBR

<i>Astreopora myriophythalma</i>	..... rare
<i>Barabattoia amiconum</i>	..... uncommon, similar to <i>Favia</i>
<i>Blastomussa wellsi</i>	..... rare
<i>Caulastrea furcata</i>	..... rare
<i>Coeloseris mayeri</i>	..... identified by Ayling
<i>Coscinareae columna</i>	..... very common, widespread
<i>Cyphastrea microphthalma</i>	..... common, big knobby colonies
<i>Cyphastrea serailia</i>	..... common
<i>Duncanopssamia axifuga</i>	..... uncommon
<i>Echinophyllia aspera</i>	..... very common, widespread
<i>Echinophora gemmacea</i>	..... common
<i>Echinopora horrida</i>	..... rare, identified by Ayling
<i>Echinopora lamellosa</i>	..... very common, widespread
<i>Euphyllia ancora</i>	..... uncommon, very distinctive
<i>Euphyllia alabrescens</i>	..... uncommon, very distinctive
<i>Favia favius</i>	..... common
<i>Favia lizardensis</i>	..... uncommon, large colonies
<i>Favia pallida</i>	..... common
<i>Favia speciosa</i>	..... rare
<i>Favia veroni</i>	..... uncommon, distinctive
<i>Favites abdita</i>	..... uncommon
<i>Favites complanata</i>	..... uncommon or patchy
<i>Favites flexuosa</i>	..... rare
<i>Favites halicora</i>	..... uncommon
<i>Favites pentagona</i>	..... very common
<i>Favites russelli</i>	..... rare
<i>Fungia fungites</i>	..... very common
<i>Fungia paumotensis</i>	..... common
<i>Fungia repanda</i>	..... very common
<i>Fungia simplex</i>	..... uncommon
<i>Fungia valida</i>	..... common
<i>Galaxea astreata</i>	..... common
<i>Galaxea fascicularis</i>	..... common
<i>Goniastrea australensis</i>	..... very common, very large colonies
<i>Goniastrea favulus</i>	..... uncommon
<i>Goniastrea palauensis</i>	..... common
<i>Goniastrea pectinata</i>	..... uncommon
<i>Goniastrea retiformis</i>	..... common
<i>Goniopora columna</i>	..... common; large oral cones
<i>Goniopora djiboutensis</i>	..... common; flat sheets
<i>Goniopora lobata</i>	..... common
<i>Goniopora minor</i>	..... patchy
<i>Goniopora stokesi</i>	..... rare, identified by Ayling
<i>Goniopora stutchburyi</i>	..... uncommon
<i>Goniopora tenuidens</i>	..... common as large colonies
<i>Heliofaugia actiniformis</i>	..... rare
<i>Herpolitha limas</i>	..... common in some areas
<i>Hydnophora exesa</i>	..... very common
<i>Hydnophora pilosa</i>	..... rare
<i>Leptastrea pruinosa</i>	..... common
<i>Leptastrea purpurea</i>	..... common
<i>Leptoria phrygia</i>	..... rare
<i>Leptoseris mycetoseoides</i>	..... patchy
<i>Lobophyllia hemprichii</i>	..... common or patchy

<i>Merulina ampliata</i>	very common
<i>Montastrea curta</i>	uncommon
<i>Montastrea magnistellata</i>	rare
<i>Montipora aequituberculata</i>	common, small colonies
<i>Montipora crassituberculata</i>	uncommon
<i>Montipora foliosa</i>	uncommon, small colonies
<i>Montipora grisea</i>	probably rare
<i>Montipora hispida</i>	very common
<i>Montipora hoffmeisteri</i>	uncommon, cryptic
<i>Montipora informis</i>	rare
<i>Montipora nodosa</i>	common
<i>Montipora spumosa</i>	uncommon
<i>Montipora stellata</i>	very common, widespread
<i>Montipora undata</i>	uncommon
<i>Montipora verrucosa</i>	uncommon
<i>Moseleya latistellata</i>	
<i>Mycedium elephantotus</i>	identified by Ayling
<i>Oulophyllia crispa</i>	identified by Ayling
<i>Oxypora lacera</i>	very common
<i>Pachyseris rugosa</i>	common at one site only
<i>Pachyseris speciosa</i>	very common
<i>Pavona cactus</i>	rare, Ayling identified
<i>Pavonia varians</i>	uncommon
<i>Pavona venosa</i>	very common
<i>Pectinia lactuca</i>	very common, widespread
<i>Platygyra daedalea</i>	common
<i>Platygyra lamellina</i>	uncommon
<i>Platygyra pini</i>	common
<i>Platygyra sinensis</i>	common
<i>Platygyra verweyi</i>	uncertain identification; rare
<i>Plerogyra sinuosa</i>	rare
<i>Pocillopora damicornis</i>	common
<i>Podobacia crustacea</i>	common
<i>Polyphyllia talpina</i>	common
<i>Porites annae</i>	common
<i>Porites lichen</i>	common, lacks distinct coloration
<i>Porites lutea</i>	very common; large colonies
<i>Porites mayeri</i>	common; colonies become columnar
<i>Psammocora contigua</i>	patchy
<i>Psammocora profundacella</i>	uncommon
<i>Psammocora superficialis</i>	patchy; unusually large colonies
<i>Psammocora sp.</i>	common; upright flattened branches
<i>Psuedosiderastrea tayamai</i>	uncommon, distinctive
<i>Sandalolitha robusta</i>	uncommon
<i>Seriatopora hystrix</i>	common in isolated patches
<i>Stylocoeniella guentheri</i>	uncommon, cryptic
<i>Stylophora pistillata</i>	common; forms unusually fine branches
<i>Symphyllia agaricia</i>	rare
<i>Turbinaria bifrons</i>	uncommon
<i>Turbinaria conspicua</i>	
<i>Turbinaria mesenterina</i>	the most common <i>Turbinaria</i>
<i>Turbinaria patula</i>	rare
<i>Turbinaria peltata</i>	patchy
<i>Turbinaria reniformis</i>	common