

# International Year of the Reef 2008



- Phytoplankton**
  - 1. Diatom, *Chaetoceros* sp.
  - 2. Foraminifera
  - 3. Acantharian amoeba
  - 4. Dinoflagellates
- Zooplankton**
  - 5. Copepod
  - 6. Copepod nauplius larvae
  - 7. Crab zoea larvae
  - 8. Gastropod veliger larvae
  - 9. Foraminifera
  - 10. Radiolarian
- Reef-building corals**
  - 10. Blue octocorals, *Heliopora coerulea*
  - 11. *Acropora* sp.
  - 12. *Platygyra daedalea*
  - 13. *Astreopora* sp. & *Pocillopora* sp.
  - 14. *Pocillopora elegans*
  - 15. *Lobophyllia corymbosa*
  - 16. *Goniastrea* sp. & *Acropora* sp.
- Macroalgae**
  - 17. Crustose coralline algae
  - 19. *Dictyota* sp.
  - 20. *Padina* sp.
  - 21. *Halimeda* sp.
- Fish**
  - 23. Pyramid butterflyfish
  - 24. Blue sprat, "baitfish"
  - 25. Yellowtail fusiliers
  - 26. Surgeonfish
  - 27. Scribbled rabbitfish
  - 28. Reticulated & Threadfin butterflyfish
  - 29. Steephead parrotfish
  - 30. Slingjaw wrasse
  - 31. Humphead Wrasse
  - 32. Titan triggerfish
  - 33. Scrawled filefish
  - 34. Regal angelfish
  - 35. Porcupine pufferfish
  - 36. Yellowstripe goatfish
  - 37. Yellowtail wrasse
  - 38. Redmouth grouper
  - 39. Blackfin barracuda
  - 40. Blacktip shark
  - 41. Spotted eagle ray
- Reptiles**
  - 42. Hawksbill sea turtle
- Other invertebrates**
  - 17. Giant Clam, *Tridacna* sp.
  - 43. Crab, *Trapezia* sp.
  - 44. Snail, *Drupella* sp.
  - 45. Crown of thorns seastar, *Acanthaster planci*
  - 46. Cushion star, *Cutula novoguineae*
  - 47. Rock-burrowing urchin, *Echinometra* sp.
  - 48. Diademnid urchin, *Echinothrix* sp.
  - 49. Crinoid, *Comanthus* sp.
  - 50. Gorgonian seafan, *Annella mollis*
  - 51. "Featherduster" tubeworm, *Sabellid* sp.
  - 52. Sponge, *Aplysilla* sp.
  - 53. Lace coral, *Stylaster* sp.
  - 54. Crab, *Carpilius maculatus*
  - 55. Lobster, *Panulirus* sp.
  - 56. Tiger Cowrie, *Cyprae tigris*
  - 57. Triton trumpet, *Charonia tritonis*
  - 58. Jellyfish, *Aurelia aurita*
  - 59. Hermit crab
  - 60. Reef Squid, *Sepioteuthis lessoniana*
  - 61. Tun snail, *Tonna perdx*
  - 62. Octopus, *Octopus cyanea*
  - 63. Sea-cucumber, *Thelotrema ananas*
  - 64. Auger snail, *Terebra maculata*
  - 65. Digested sediment from Peanut worm, *Echiurid* sp.
  - 66. Hermit urchin
  - 67. Mantis shrimp
  - 68. Annelid worm, *Pherecarida* sp.

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## Coral Reef Food Web

Zooanthellae are tiny single-celled algae that live inside of corals and clams.

These algae provide ~ 70% of the food for these animals.

Zooanthellae form the base of the coral reef food web.



Tiny polyp of a table coral with millions of zooanthellae living within the coral host tissue.

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