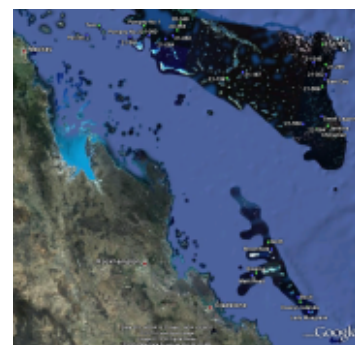


Effects of changes in Great Barrier Reef Marine Park Zoning plans on reef base shoals of the Pompey, Swain and Capricorn-Bunker reefs (MTSRF Project 4.8.2)



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Title	Effects of changes in Great Barrier Reef Marine Park Zoning plans on reef base shoals of the Pompey, Swain and Capricorn-Bunker reefs (MTSRF Project 4.8.2)
Date	2009-01-08
Date type	Creation
Abstract	<p>Surveys were undertaken in January/February 2009 (summer) at the Capricorn-Bunker, Pompey and Swains Groups on deepwater reef bases (shoals) in the Great Barrier Reef. In each survey, reefs were paired with one zoned 'green' (closed to fishing) and the other 'blue' (open to all fishing) - 16 pairs of reefs. The demersal habitats and vertebrate communities were sampled using non-extractive baited remote underwater video stations (BRUVS), which revealed a diverse (c360 species) fauna of fish, sharks, rays and sea snakes.</p> <p>Variables recorded: Habitat composition of underlying substratum (sand, rubble, consolidated outcrop or reef), and epibenthic community (hard coral, soft coral, sponge, macroalgae, whips and gorgonians, encrusting organisms, bare substratum) - estimated from BRUVS field of view as percentage cover of each component, to nearest 10 percent. Zone (Green, G; or Blue, B); Reef name; Habitat class (coral dominated reef; gorgonian and seawhip garden; low relief rubble field; algal meadow; open sandy seabed); Depth (m); Latitude and longitude (ship's GPS position at deployment).</p> <p>Fish species were placed in categories depending on the likelihood of being caught and retained by line fishers: Target species - (1,703 sightings, 21 species) the most desirable demersal fishes based on their market price and size, as well as their reef dwelling habits. Bycatch species - (5,510 sightings, 85 species) undersized juveniles of target species; undesirable fishes caught by line fishers; pelagic and semi-pelagic species retained for consumption, use as bait, or released alive; all sharks and rays likely to take a baited hook. Unfished species - (16,635 individuals, 251 species) those unlikely to be hooked because of dietary preferences or small size.</p>

Metadata language	eng
Character set	UTF8
Hierarchy level	Dataset

OnLine resource

Linkage	https://eatlas.org.au/data/uuid/1b773e11-7d77-4da4-a04b-5bb627e376fa
Protocol	WWW:LINK-1.0-http--metadata-URL
Linkage	http://www.rrrc.org.au/mtsr/theme_4/project_4_8_2.html

Protocol	WWW:LINK-1.0-http--link
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Point of contact

Organisation name	Australian Institute of Marine Science (AIMS)
Position name	Data Manager, AIMS Data Centre
Role	Point of contact
Topic category	Oceans
Topic category	Biota
Topic category	Environment

Keyword

Keyword	Oceans - Coastal Processes - Shoals
Keyword	Biosphere - Aquatic Ecosystems - Benthic Habitat
Keyword	Biosphere - Ecological Dynamics - Community Dynamics , Community Structure
Keyword	Biological Classification - Animals/Vertebrates - Fish , Sharks/Rays/Chimaeras
Keyword	Human Dimensions - Environmental Impacts - Environmental Assessments
Keyword	Biological Classification - Animals/Vertebrates - Fish , Ray-finned Fishes
Type	Theme
Keyword	Marine Protected Areas
Keyword	Representative Areas Program
Keyword	Marine Park zoning
Type	Theme

Extent

Geographic bounding box

West bound	149.881213
East bound	152.663919
South bound	-23.915681
North bound	-20.874276

Lineage

Statement	Fish, sharks, rays and seasnakes were included as 'fish'.
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Resource constraints

Use limitation	All AIMS data, products and services are provided "as is" and AIMS does not warrant their fitness for a particular purpose or non-infringement. While AIMS has made every reasonable effort to ensure high quality of the data, products and services, to the extent permitted by law the data, products and services are provided without any warranties of any kind, either expressed or implied, including without limitation any implied warranties of title, merchantability, and fitness for a particular purpose or non-infringement. AIMS make no representation or warranty that the data, products and services are accurate, complete, reliable or current. To the extent permitted by law, AIMS exclude all liability to any person arising directly or indirectly from the use of the data, products and services.
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Metadata language	eng
Character set	UTF8

Metadata author

Organisation name	Australian Institute of Marine Science (AIMS)
Role	metadataContact
Date stamp	2014-09-03T00:00:15