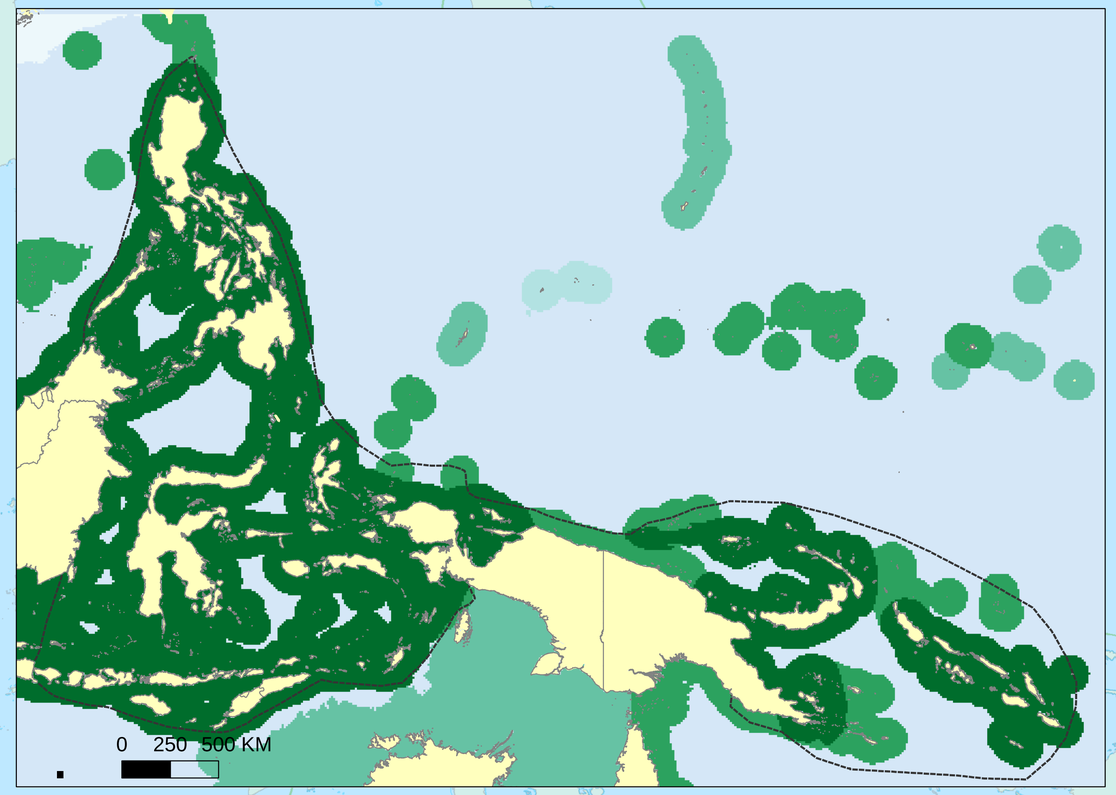
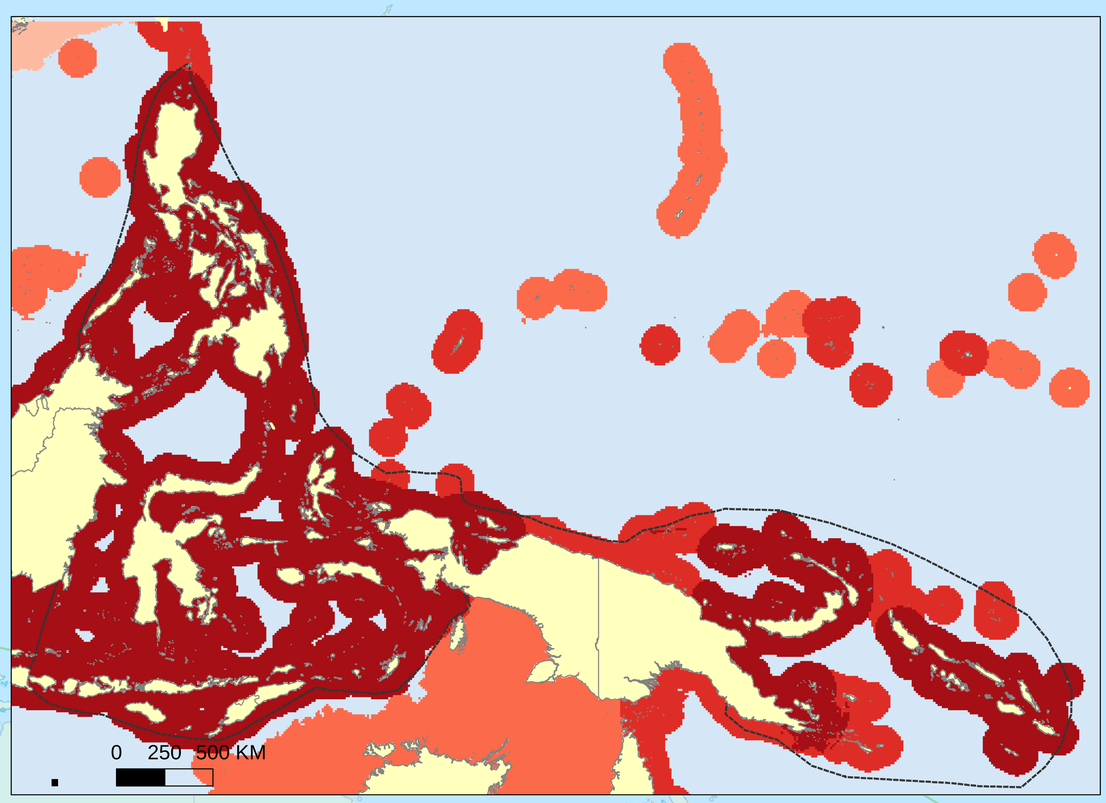
IUCN Red List Data for Corals in the Coral Triangle

Coral Species Richness



% of Threatened Coral Species
(Vulnerable, Endangered and Critically Endangered)



This reef-building coral species richness map has been created using data from IUCN Red List species assessments. The information within the Red List assessments, along with assigned Red List Category, have been collated and verified by a group of international and regional coral experts (Carpenter et al. 2008).

The Global marine Species Assessment (GMSA) over-sees extinction risk assessments of marine species for the IUCN Red List of Threatened Species. This assessment covers 582 reef-building corals found in the Coral Triangle (out of a total of 845 species that exist globally). The GMSA is in the process of completing 20,000 marine species assessments, which together will create an essential baseline for the current status of marine life in the Coral Triangle, and will act as an indictor to track the successes of conservation action on threatened species into the future.

For each IUCN Red List species assessment, a distribution GIS shapefile is created allowing spatial analysis of threat, population trends, ecology, and use and trade information, along with the assigned Red List Category. This can be used to identify areas with high threat and endemism, and is a useful tool in conservation planning and action. This map shows the results of a complete assessment of reef-building corals highlighting that the Coral Triangle has the highest % of threatened corals in the world (as well as the highest species richness) (Carpenter et al. 2008).

CORAL TRIANGLE ATLAS

Legend

Total coral species
(per 10km grid)
- 467 - 582
- 352 - 466
- 236 - 351
- 121 - 235
- 1 - 120

% Threatened
(per 10km grid)
- 26-30
- 21-25
- 16-20
- 11-15
- 6-10
- 0-5

CT Boundary

Map data from:

CONSERVATION INTERNATIONAL

IUCN

SSC Species Survival Commission

RED LIST THE IUCN RED LIST OF THREATENED SPECIES™

Base map data:

Coral Triangle Boundary: CORAL GEOGRAPHIC

Global scale Coral Reef data: UNEP WCMC

Fine scale Coral Reef data in the Solomon Islands and Papua New Guinea: IRD Institut de recherche pour le développement; USF University of South Florida Institute for Marine Remote Sensing