SE Red Sea

Global Threat Indicators

Fishing: Market Pressure

Market gravity

0   100   1,000,000

Pollution: Sedimentation

ton / km2

0   100   10,000

Pollution: Nutrients

ton / km2

0   10   100,000

Coastal Development: Human Population

Number of individuals

0   10,000   10,000,000

Industrial Development: Ports

Number of ports

0   3   6

Tourism: Reef Value

USD (thousands)

0   250   250,000
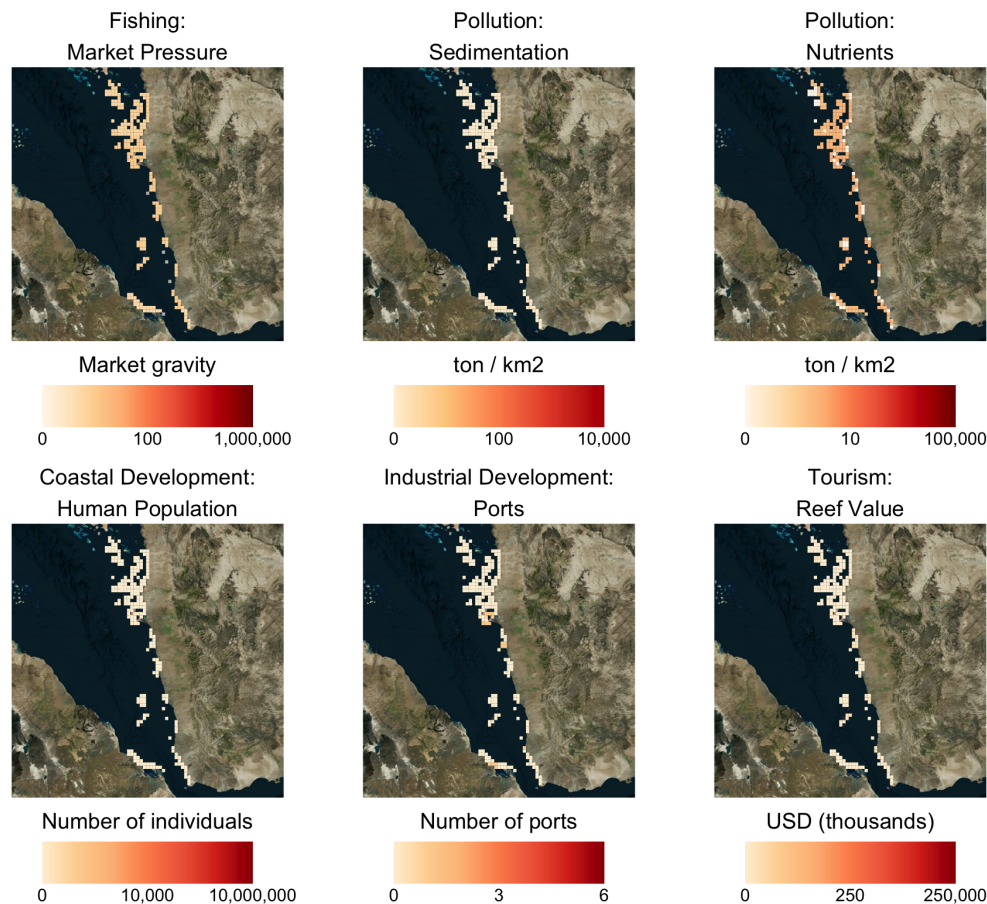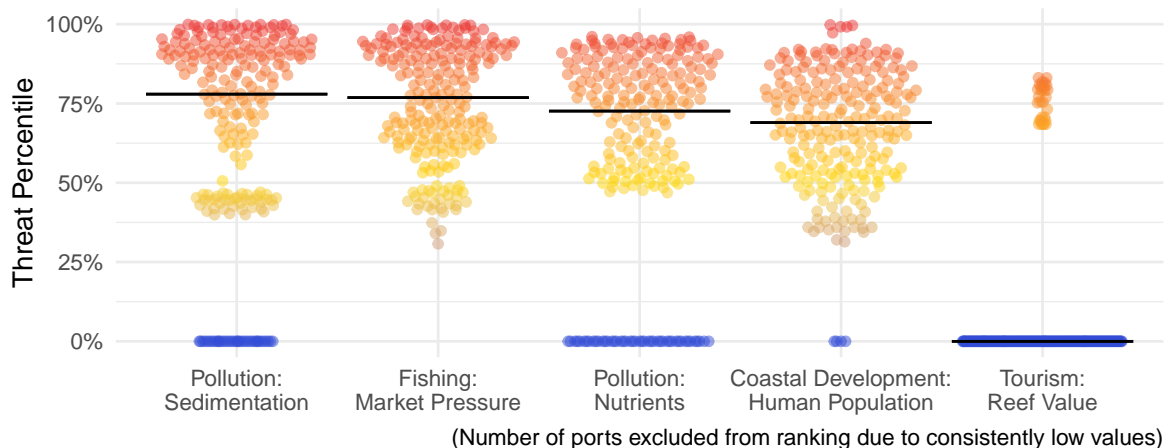
1) This is a mapping exercise that ranks a series of global data layers to understand the different contexts and/or threats of various reef locations. Local knowledge and validation is crucial.
2) Preliminary results are subject to change following scientific peer review; updated data layers can be found on https://programs.wcs.org/vibrantoceans/Map

Top Two Threats

1. Pollution: Sedimentation

2. Fishing: Market Pressure

Threat Ranking

Threats ranked from highest to lowest; BCU average and pixels compared to all reef pixels

A value in the 50th percentile means that the BCU's average is higher than 50% of the world's coral reefs values

Threat Percentile

100%
75%
50%
25%
0%

Pollution:
Sedimentation

Fishing:
Market Pressure

Pollution:
Nutrients

Coastal Development:
Human Population

Tourism:
Reef Value

(Number of ports excluded from ranking due to consistently low values)

Global Context

▲ Global Average   ● Other Red Sea–Persian Gulf BCU Averages   Low ▬▬▬ High

Fishing: Market Pressure
0   10   20

Pollution: Sedimentation
0   25   50   75

Pollution: Nutrients
0   0   0   0   0   0

Coastal Development: Human Population
0   500   1,000   1,500

Industrial Development: Ports
0   0   0   0   0

Tourism: Reef Value
0   500   1,000

Climate: Composite Score
−0.2   −0.2   −0.1   0.0   0.0

Climate: Connectivity
−0.6   −0.3   0.0   0.3

Climate: Cyclone Risk
−0.8   −0.7   −0.6   −0.5   −0.4   −0.3

Climate: Thermal Future
−0.5   −0.2   0.0   0.2   0.5   0.8

Climate: Thermal History
−0.8   −0.5   −0.2   0.0   0.2

Climate: Recent Stress
−1.5   −1.0   −0.5   0.0