

# Protecting fish aggregations: Protecting our future

Large gatherings of mating fish – called spawning aggregations – are vital to marine biodiversity, food security and fisheries profitability. But they are threatened globally by overfishing. Governments, fishers and communities can act now to preserve them for everyone and safeguard food and jobs.



► They produce the fish that we depend on.

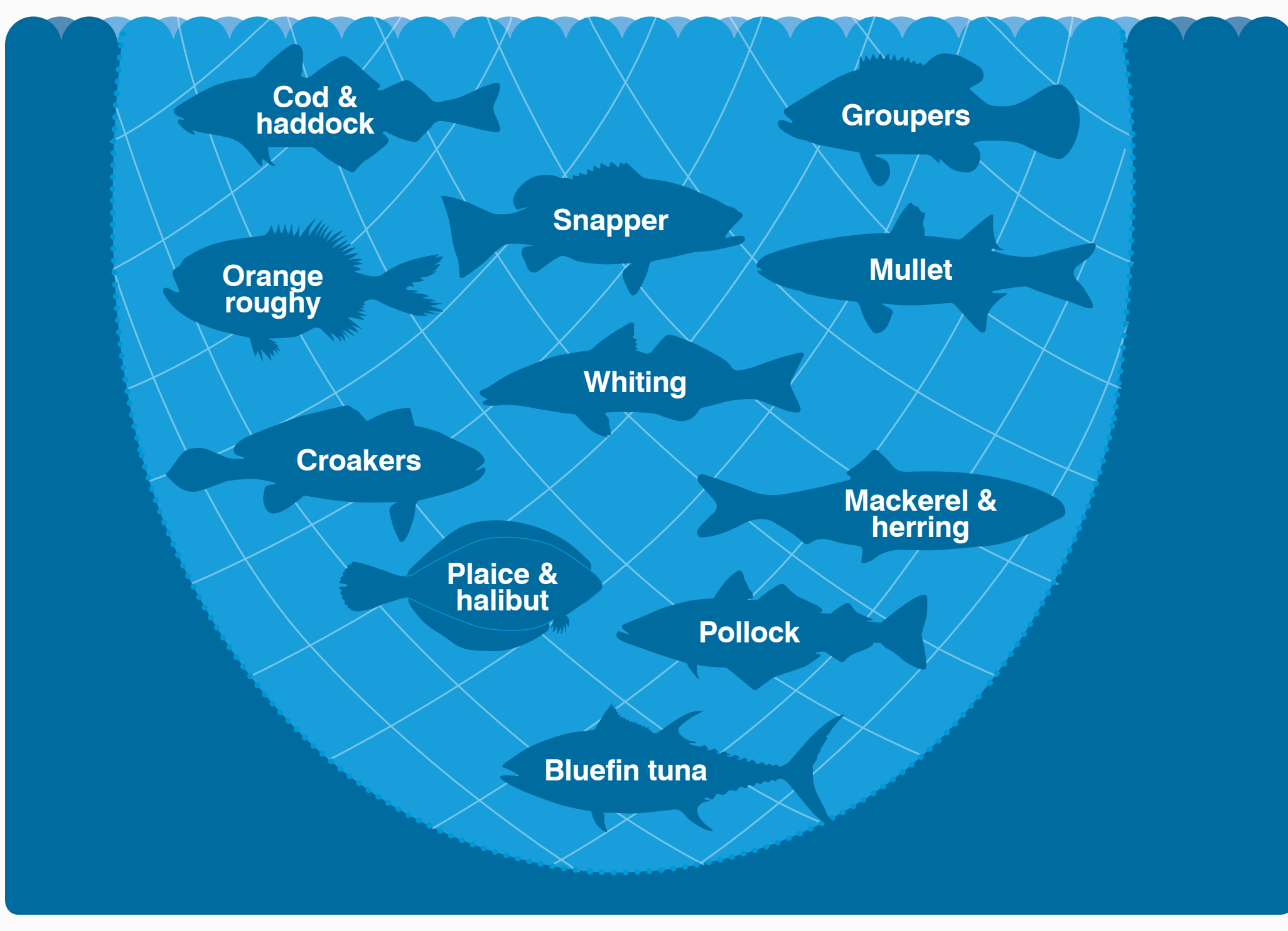
► Their predictability makes them vulnerable.

► Overfishing can have devastating consequences.

## • The aggregations we know about...



## ▼ Many major fisheries target fish that aggregate to spawn



## Declining fish stocks – devastation of aggregations

• Today, 76% of fisheries are fully exploited, overexploited or depleted

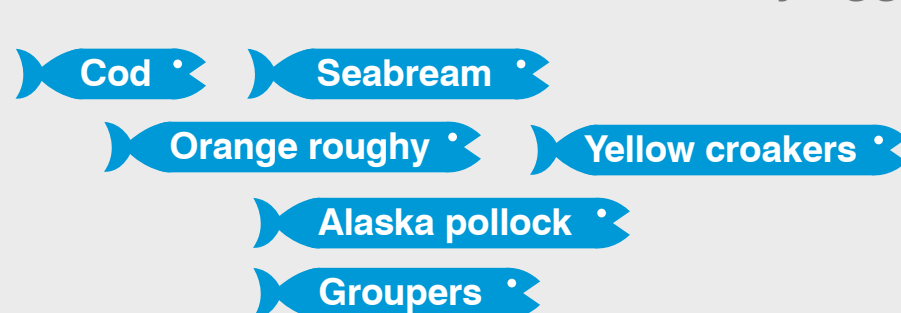
► 50% of the most commonly caught fish globally are aggregating species

### ➤ Status of spawning aggregations

Of the 48% of 888 aggregations for which we have assessed their fishery status, we find:

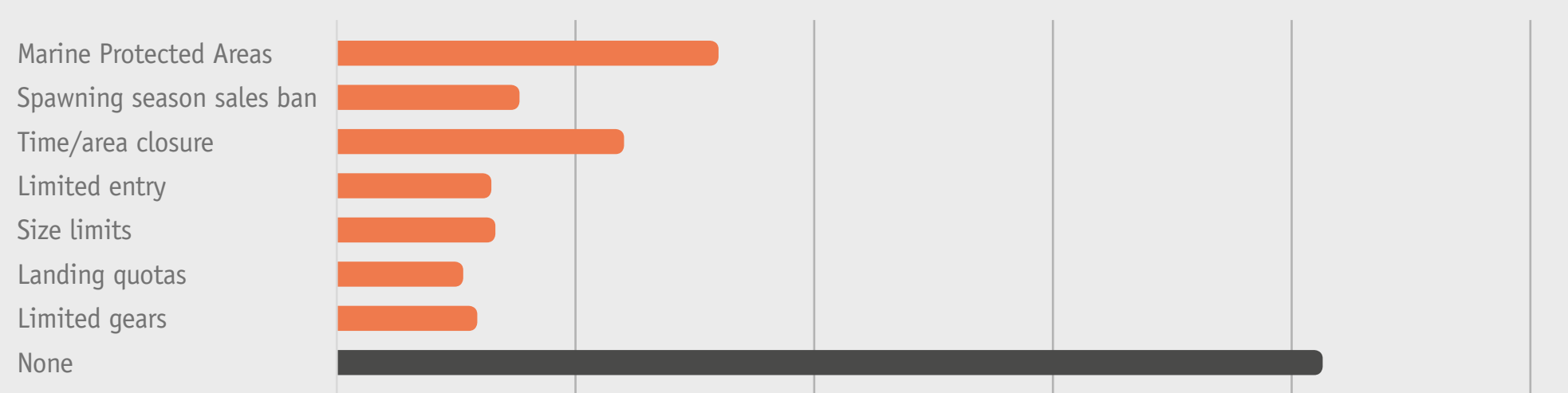


### ➤ Some fish stocks devastated by aggregation fishing



90% Catch of adult Nassau grouper in the Caribbean has declined by as much as 90%, largely due to overfishing of its spawning aggregations.  
► The fish is now globally endangered.

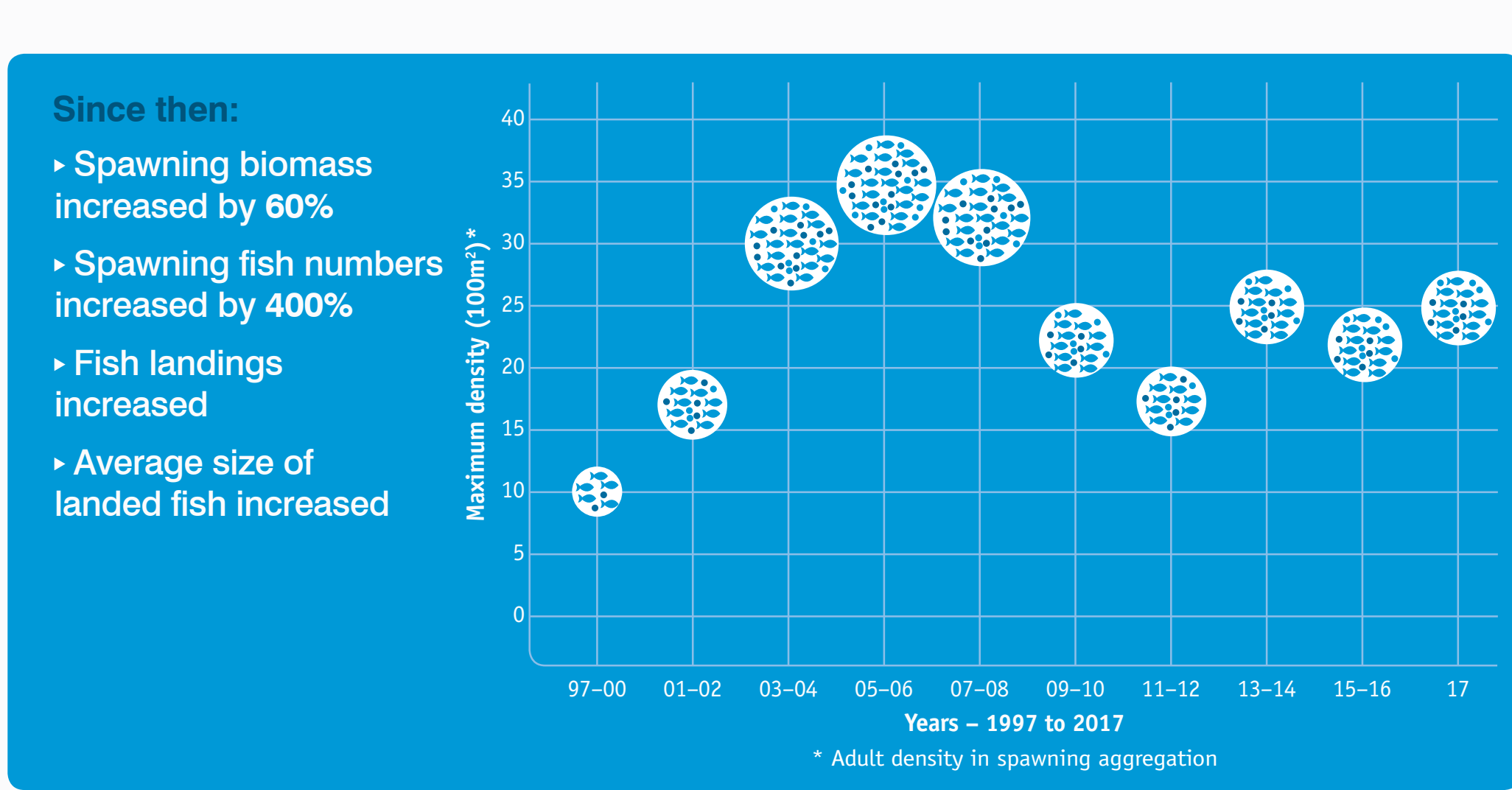
### ➤ Only one-third of global aggregations are managed\*



\*A single aggregation can have more than one management measure applied. The data are for a total of 888 aggregations.

## Protection works

Dramatic declines in red hind (grouper) catches in the 1990s led to spawning sites being protected in the Caribbean.



### ➤ Managing spawning aggregations leads to...



► The value of a healthy spawning aggregation can be 20 times greater than the value of an overfished one.  
► If all fisheries were fished sustainably, they would yield a 16% increase in global profit, with \$36 billion more earned each year.

## Managing spawning aggregations protects fisheries from sudden collapse, whether small- or industrial-scale

