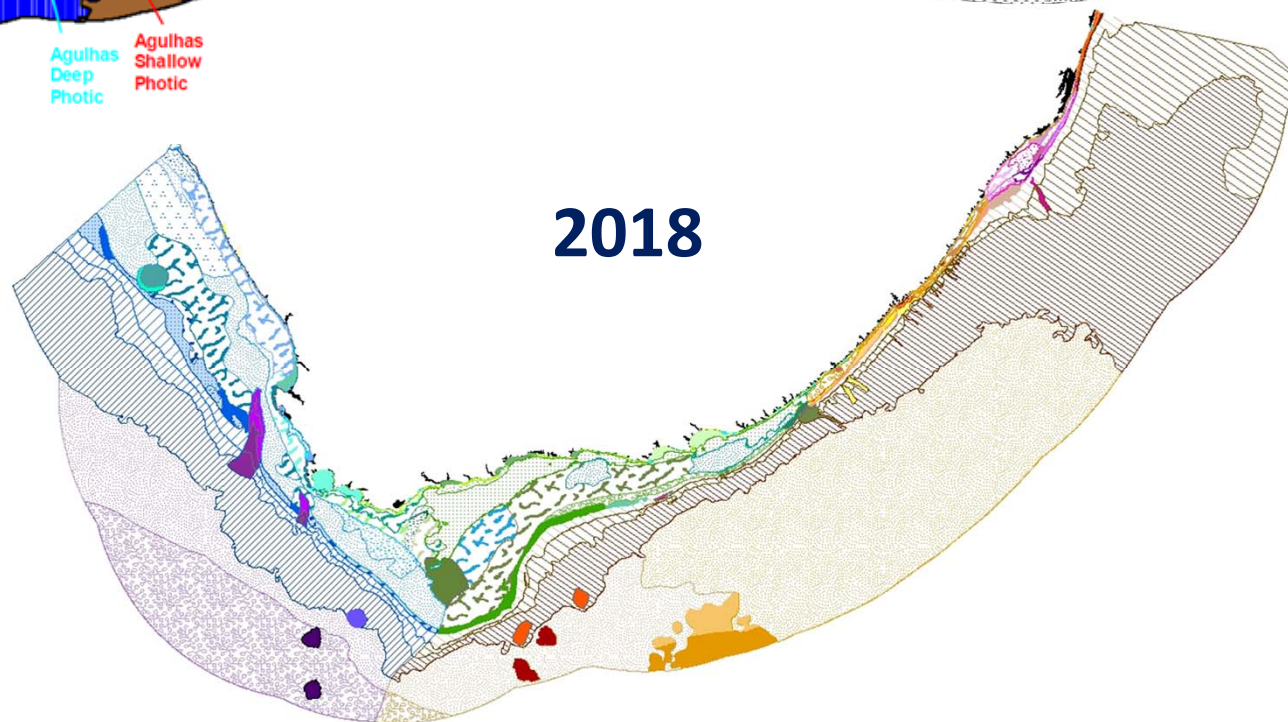
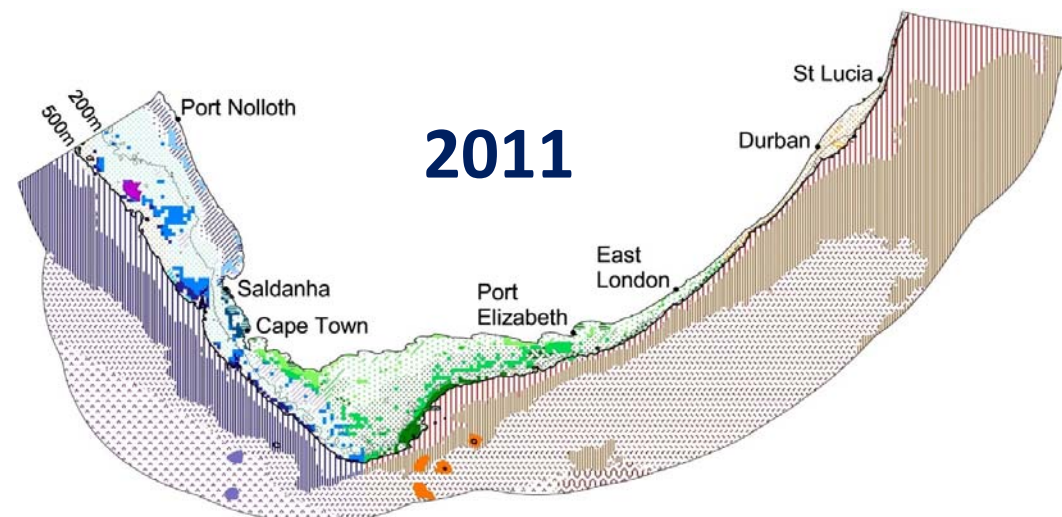
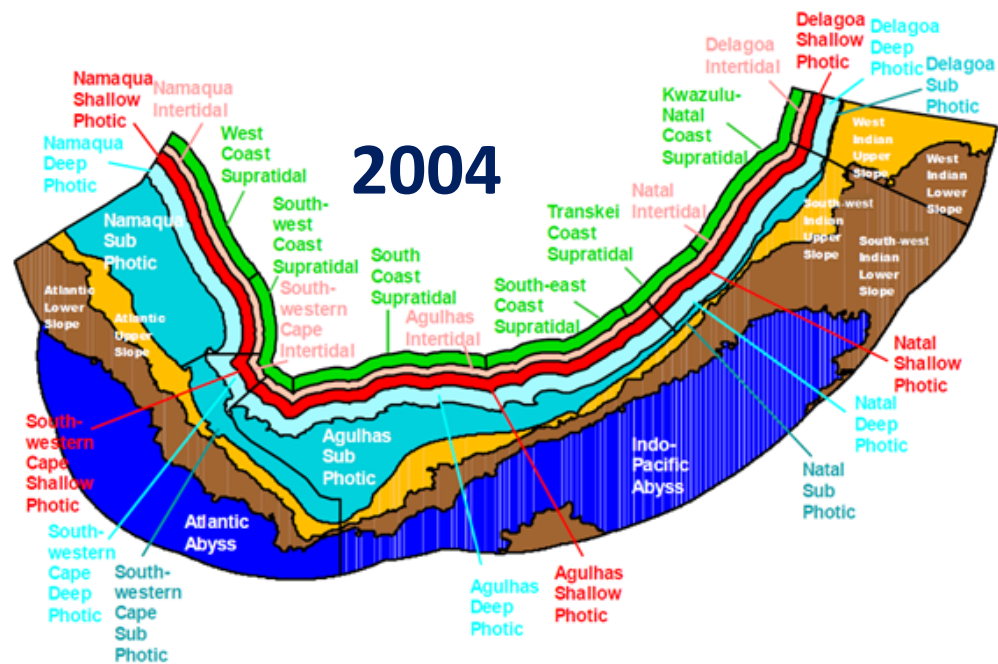


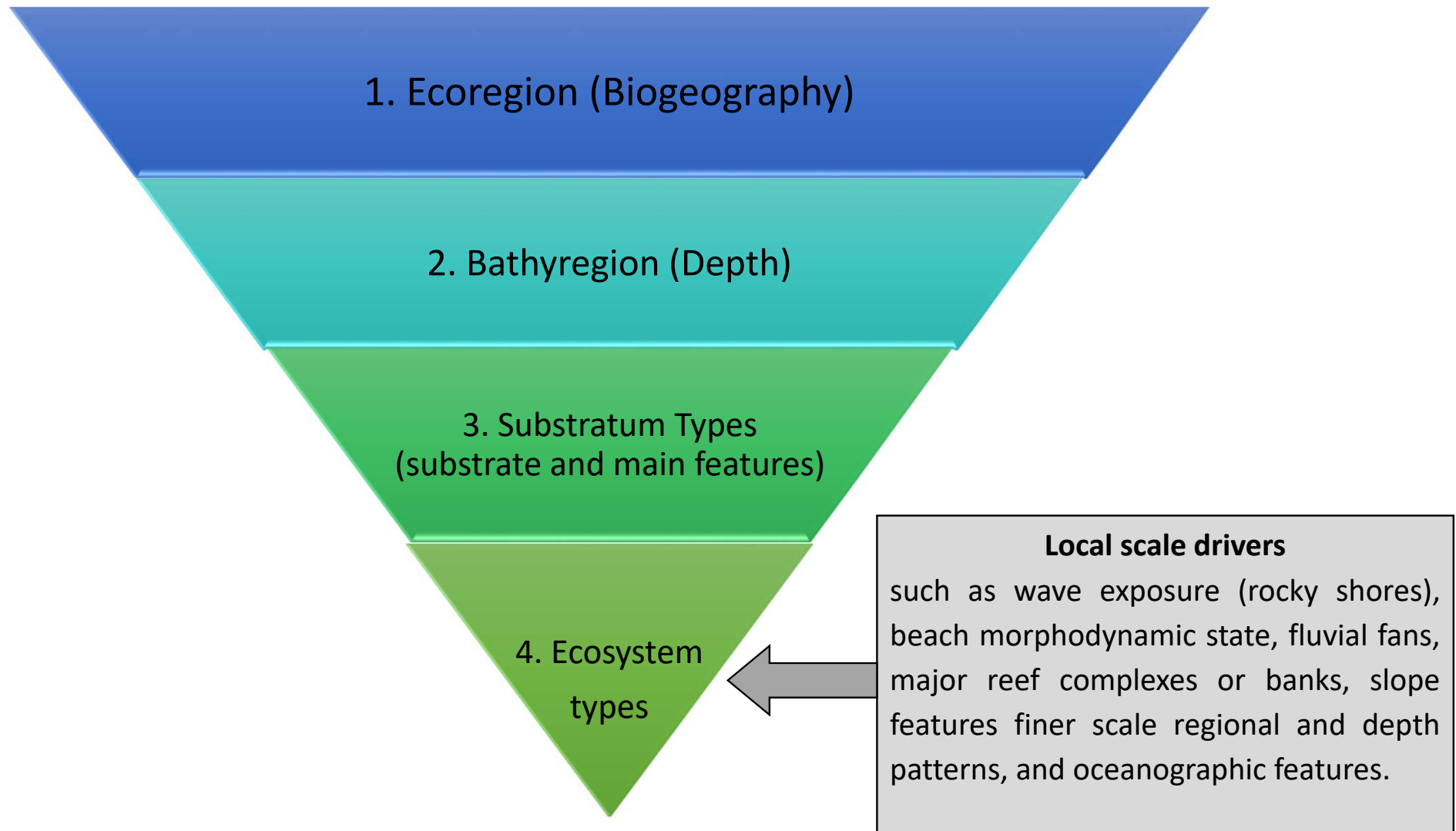
# **Mapping progress made in South Africa: Journey to develop Marine Accounts**

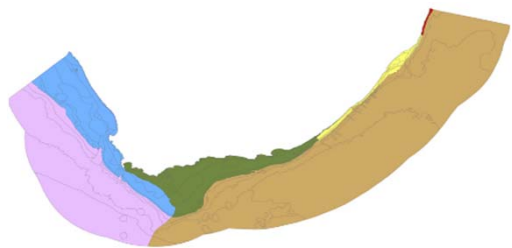
G Bouwer

London Group Meeting – October 2019

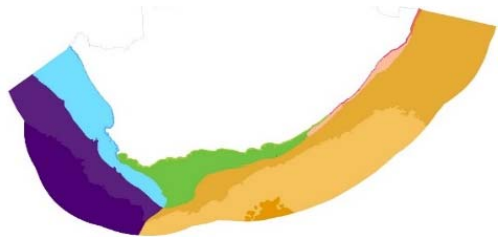


**Schematic showing the hierarchical classification approach used to classify 150 marine ecosystem types around South Africa.**





**Level 1: Ecoregions** – The established biogeographic pattern in South Africa reflects 4 main shelf ecoregions, the Southern Benguela Shelf, Agulhas Shelf, Natal Shelf and Delagoa Shelf, and 2 Deep Ocean ecoregions, the Southeast Atlantic Deep Ocean and Southwest Indian Deep Ocean. This level allows for nesting and alignment with global classifications.



**Level 2: Bathoregions** – Major bathomes delineate depth zones i.e. shore, shelf, slope, plateau and abyss. Bathoregions represent the ecoregions divided by depth.



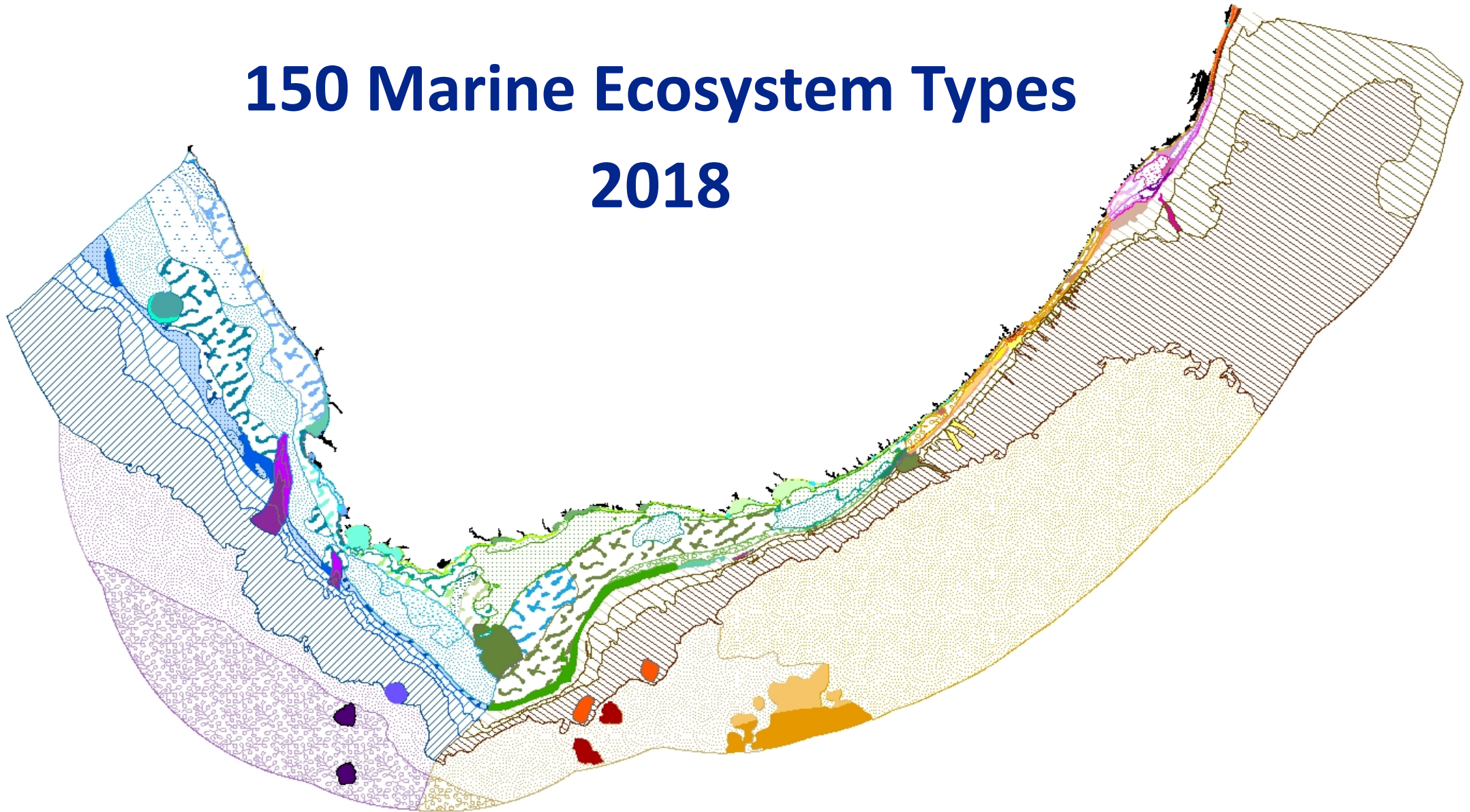
**Level 3: Substratum types** – Classification refined to reflect substrate and main features using geophysical data or geomorphological units. Examples include sandy, rocky, boulder and mixed shores, bays, islands, reefs and reef mosaic, sandy or muddy shelves, canyons and seamounts.



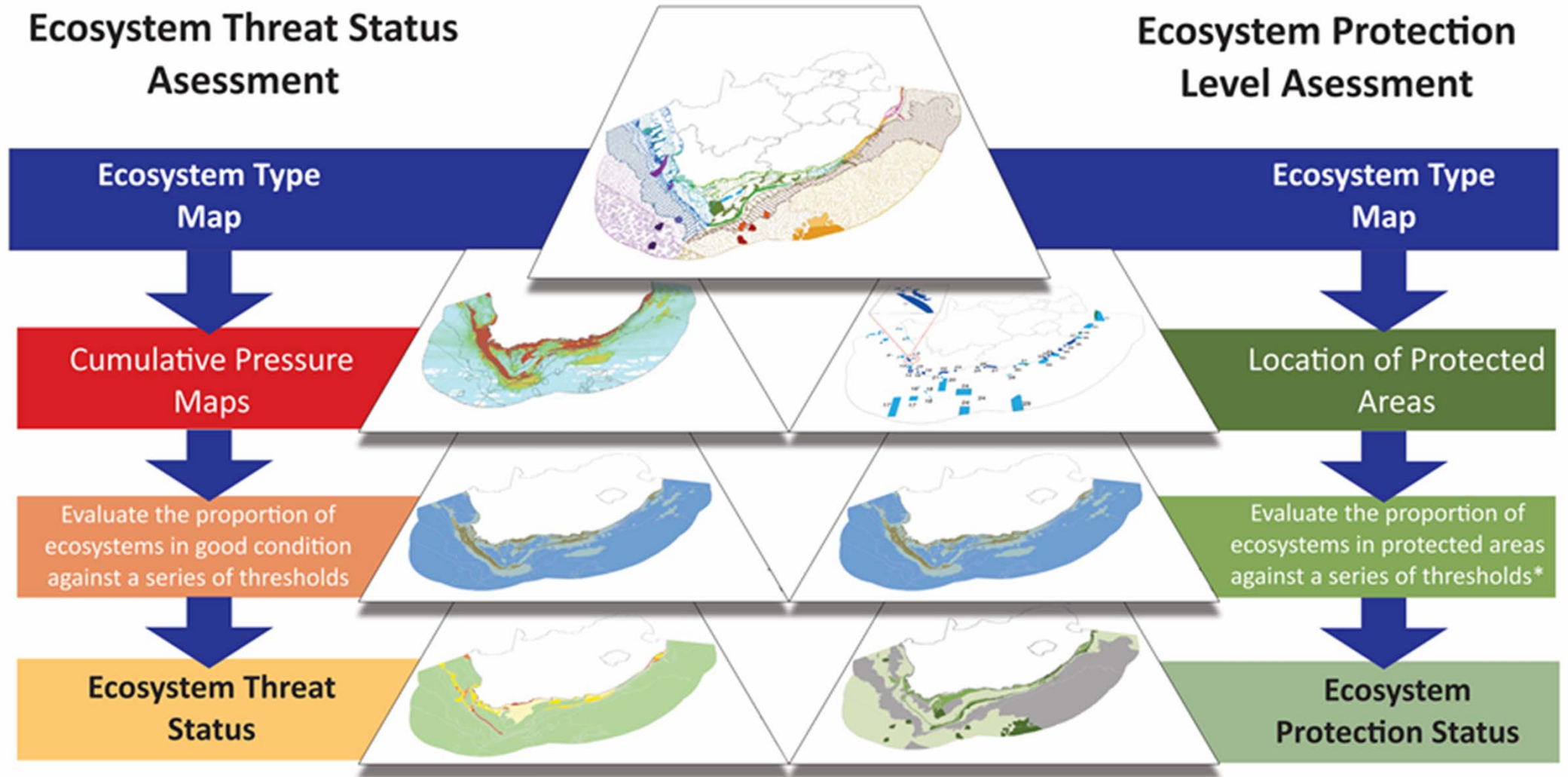
**Level 4: Ecosystem types** – further sub-classification considers local-scale drivers influencing biodiversity pattern. Examples of these sub-classifiers include wave exposure on rocky shores, beach morphodynamic state, fluvial fans and river influence, major reef complexes or banks (Childs, Alaphard, Browns Bank), slope features (e.g. Kingklip Ridge), finer scale regional (subregions) or depth patterns and oceanographic features (e.g. gyres, eddies, cold ridge).



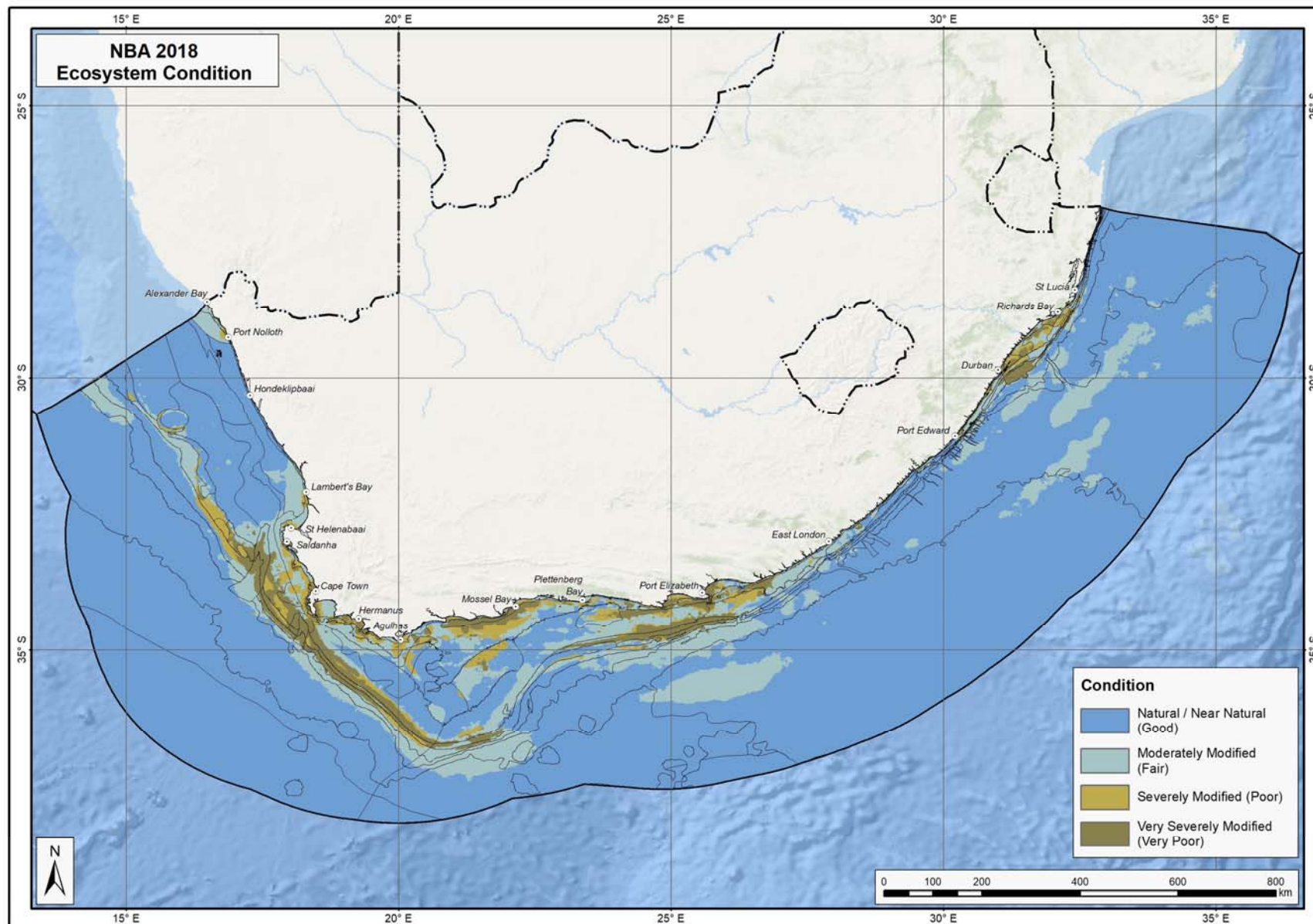
# 150 Marine Ecosystem Types 2018



## Steps in assessing ecosystem threat status and ecosystem protection level.



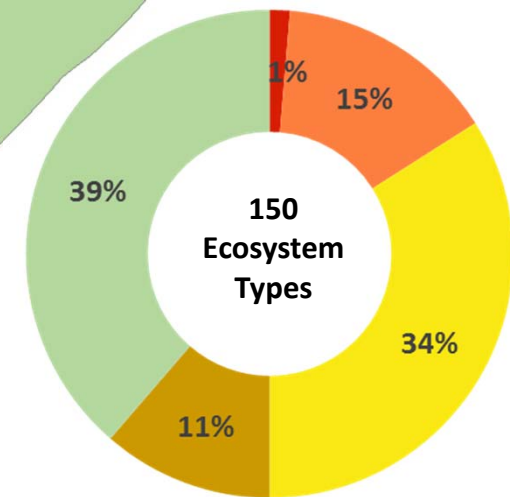
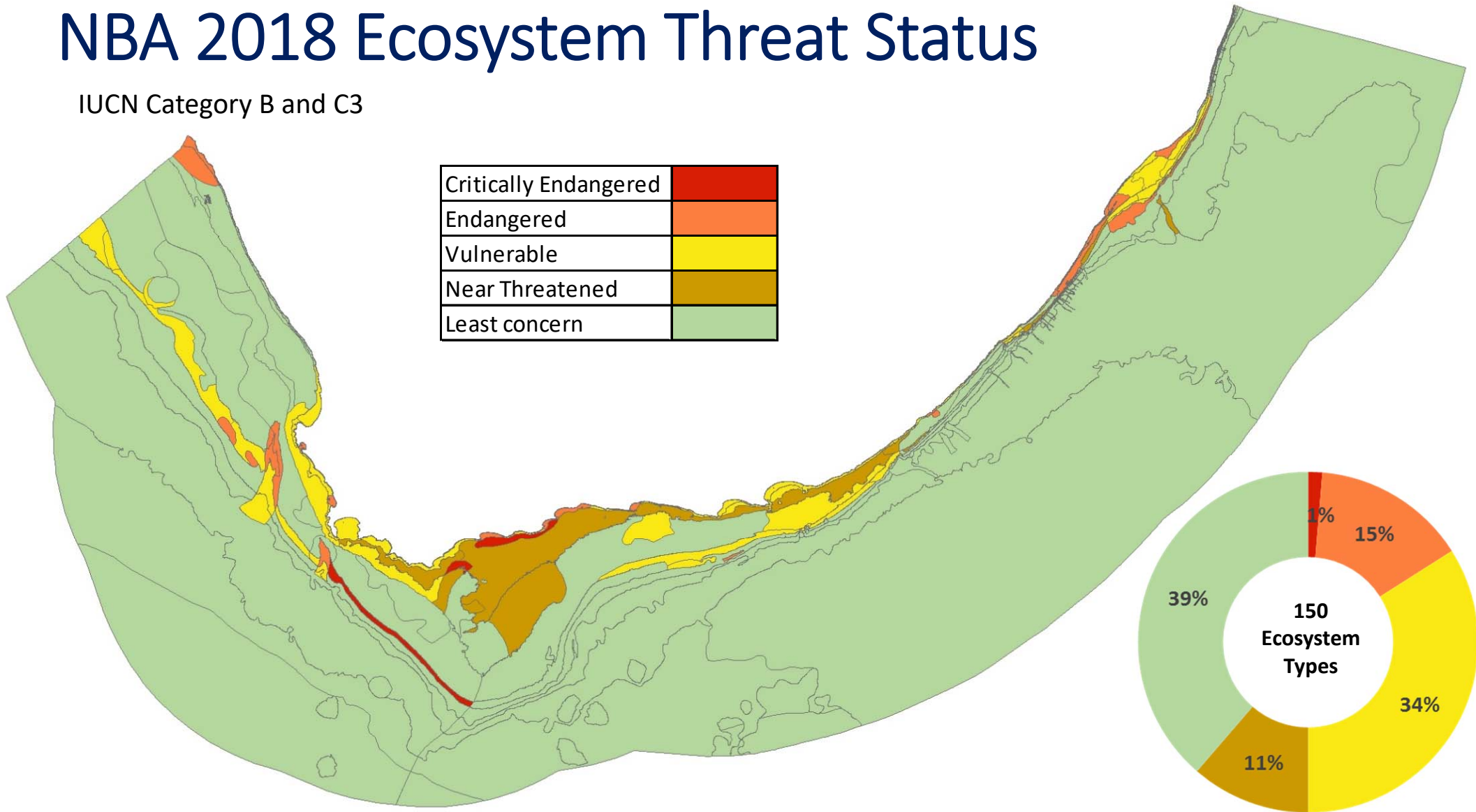




# NBA 2018 Ecosystem Threat Status





IUCN Category B and C3

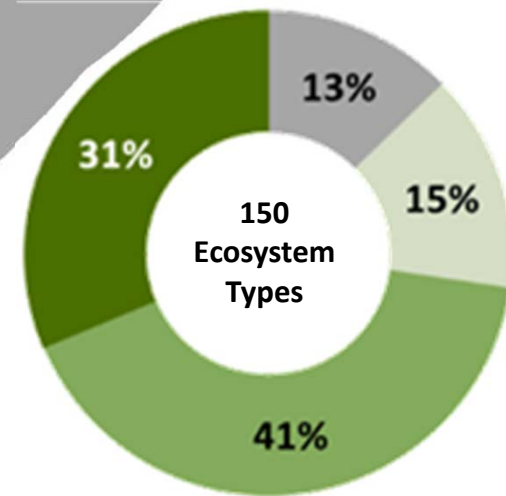
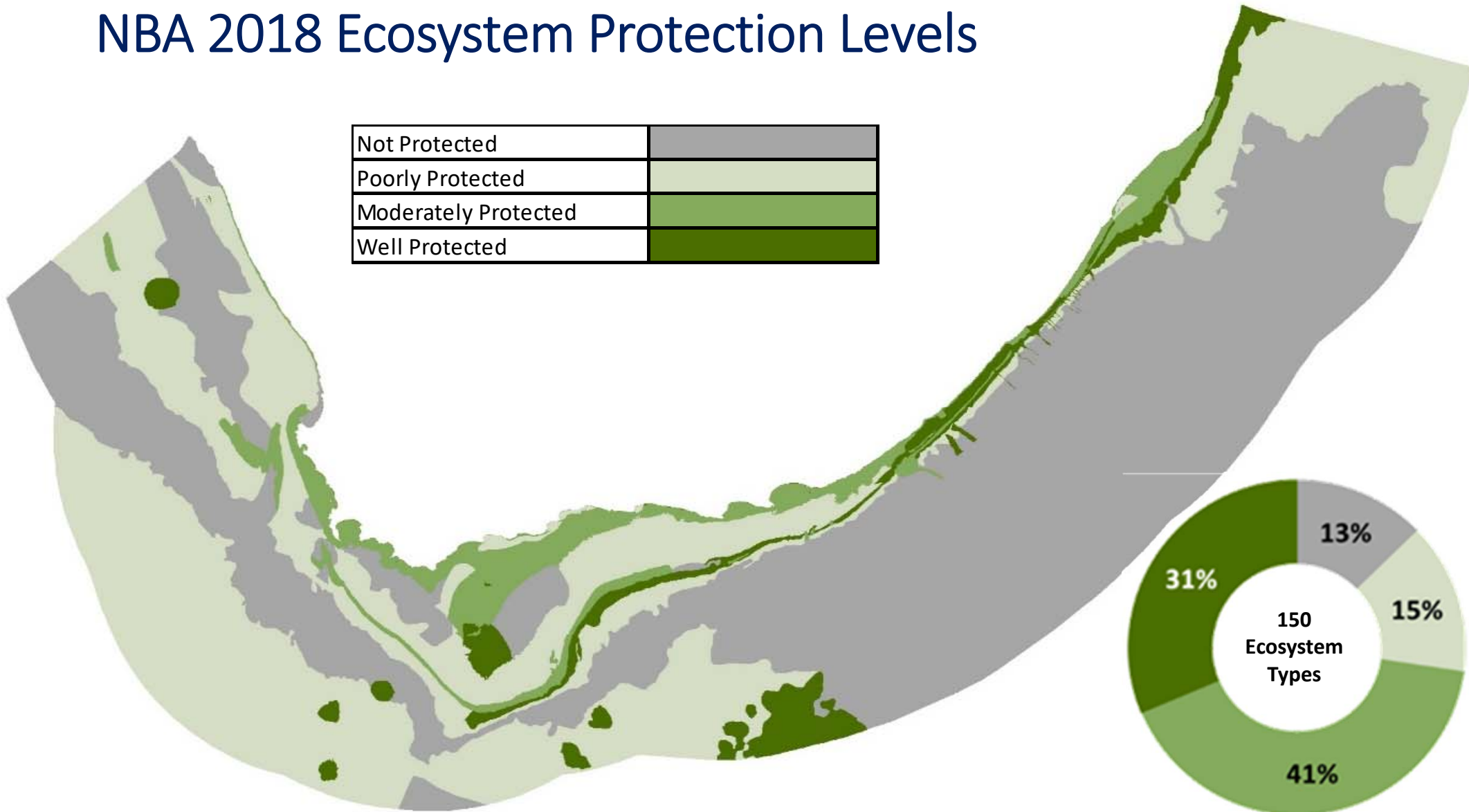
Critically Endangered	
Endangered	
Vulnerable	
Near Threatened	
Least concern	





# NBA 2018 Ecosystem Protection Levels

Not Protected	
Poorly Protected	
Moderately Protected	
Well Protected	



# Overview of ecosystem accounts

## Core set of ecosystem accounts

