



Legal, Authorisations,
Compliance and Enforcement

SUCCESS STORIES: ENHANCED AND COORDINATED COMPLIANCE AND ENFORCEMENT WITHIN OCEANS AND COASTAL ENVIRONMENT

SOUTH AFRICA



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MARITIME OVERVIEW

- **Facts**

- 3 200 km of coastline
- 50 National Acts regulating marine governance
- 30% of the population stay within 60 km of the coastline
- Estimated 12 000 vessels visit SA Ports per year
- 120 million tonnes of oil and bunker fuel per year
- 12 proclaimed fishing harbours
- 21 New Marine Protected Areas



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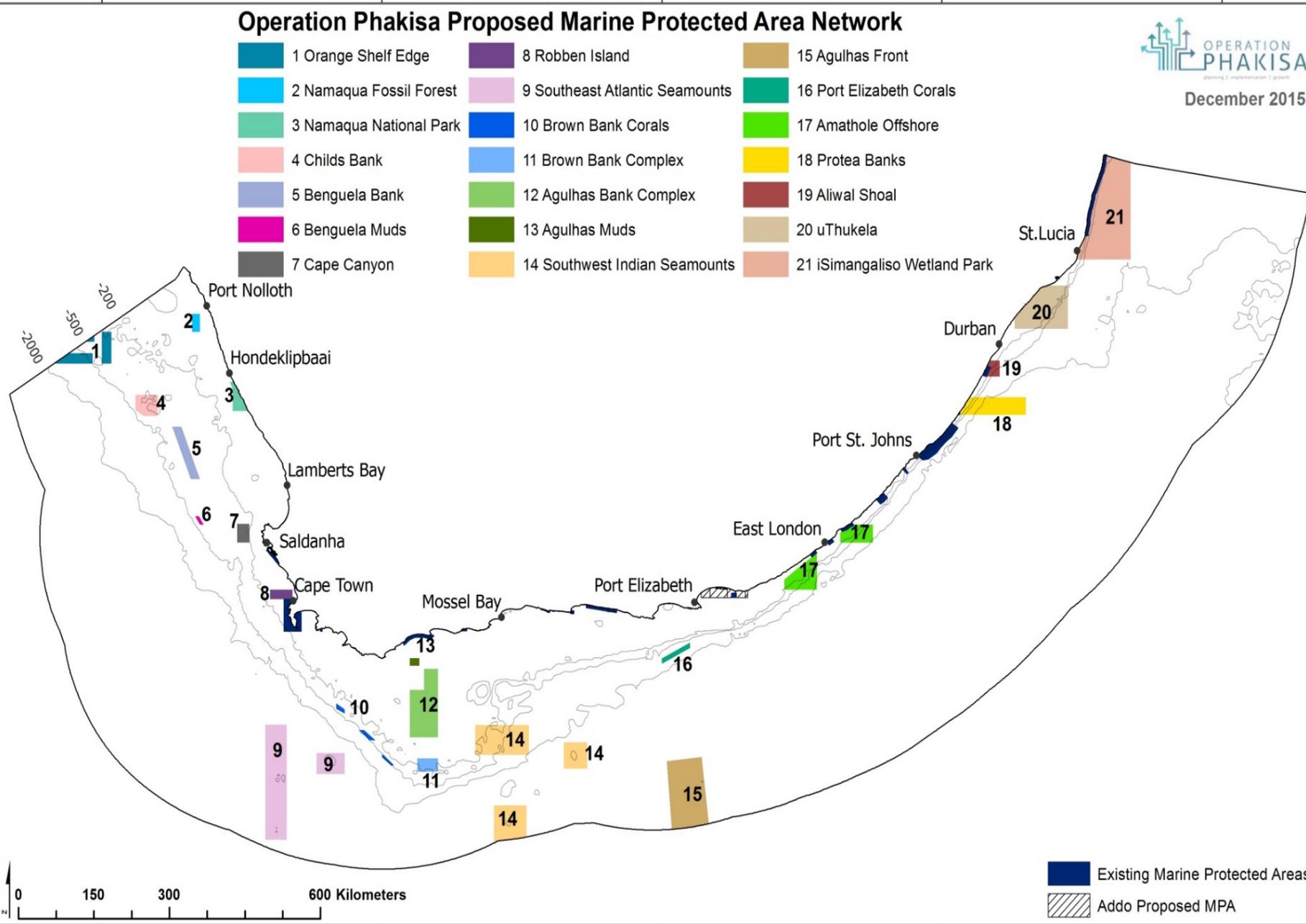


Operation Phakisa Proposed Marine Protected Area Network



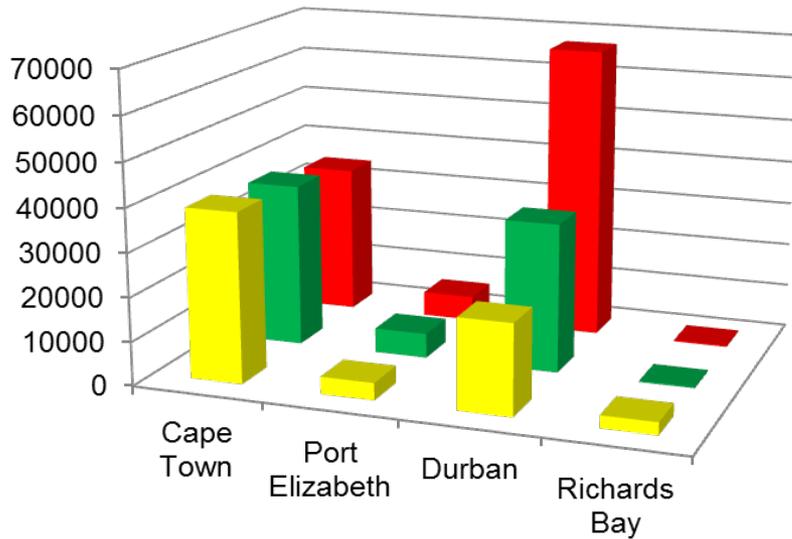
December 2015

- | | | |
|-------------------------|--------------------------------|------------------------------|
| 1 Orange Shelf Edge | 8 Robben Island | 15 Agulhas Front |
| 2 Namaqua Fossil Forest | 9 Southeast Atlantic Seamounts | 16 Port Elizabeth Corals |
| 3 Namaqua National Park | 10 Brown Bank Corals | 17 Amathole Offshore |
| 4 Childs Bank | 11 Brown Bank Complex | 18 Protea Banks |
| 5 Benguela Bank | 12 Agulhas Bank Complex | 19 Aliwal Shoal |
| 6 Benguela Muds | 13 Agulhas Muds | 20 uThukela |
| 7 Cape Canyon | 14 Southwest Indian Seamounts | 21 iSimangaliso Wetland Park |



Existing Marine Protected Areas
 Addo Proposed MPA

MARITIME OVERVIEW



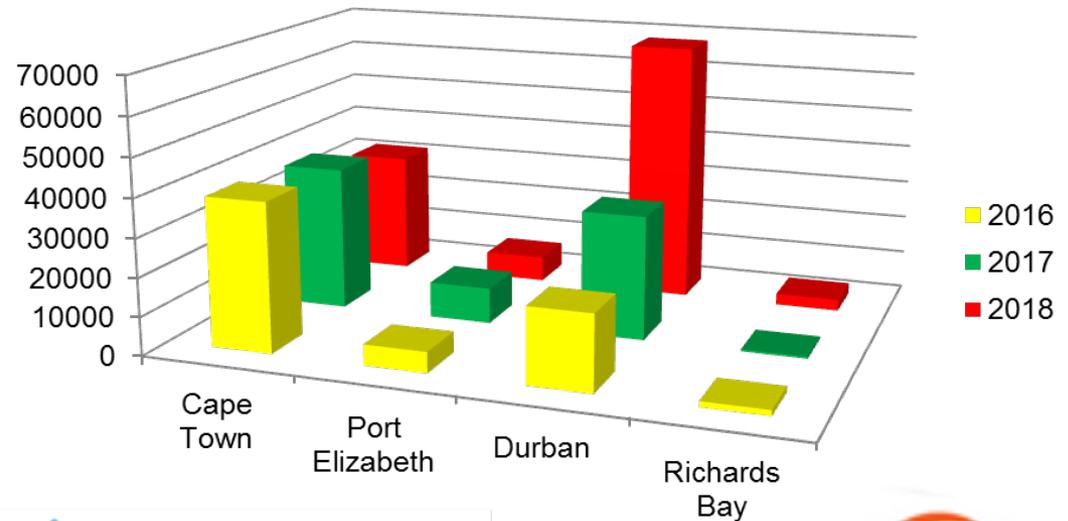
Arrival comparison for a three year period.

Note: 2018 statistics only until 11 November 2018

■ 2016
■ 2017
■ 2018

Departure comparison for a three year period.

Note: 2018 statistics only until 11 November 2018



■ 2016
■ 2017
■ 2018



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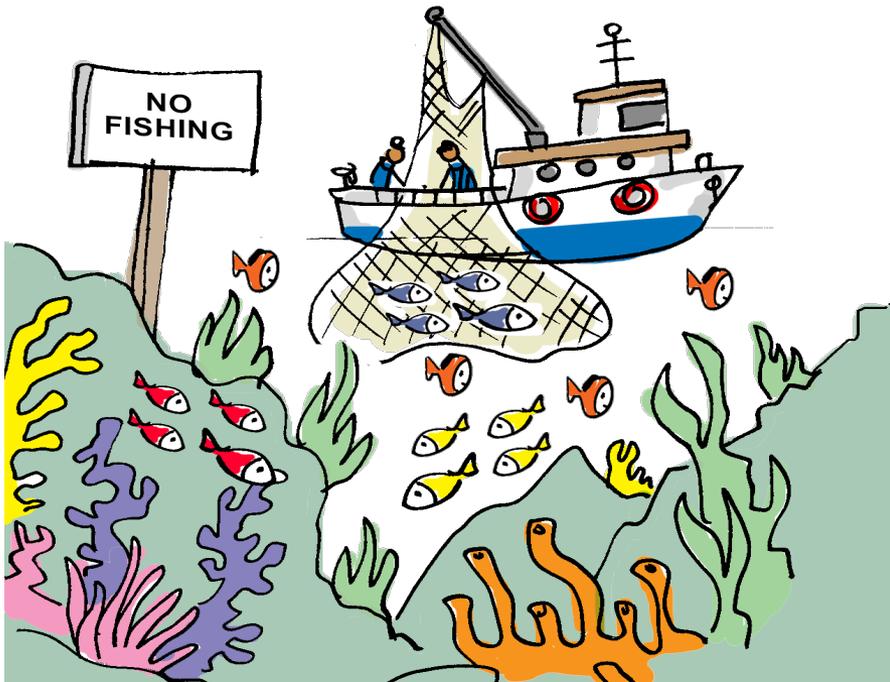
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2014 BEFORE PHAKISA

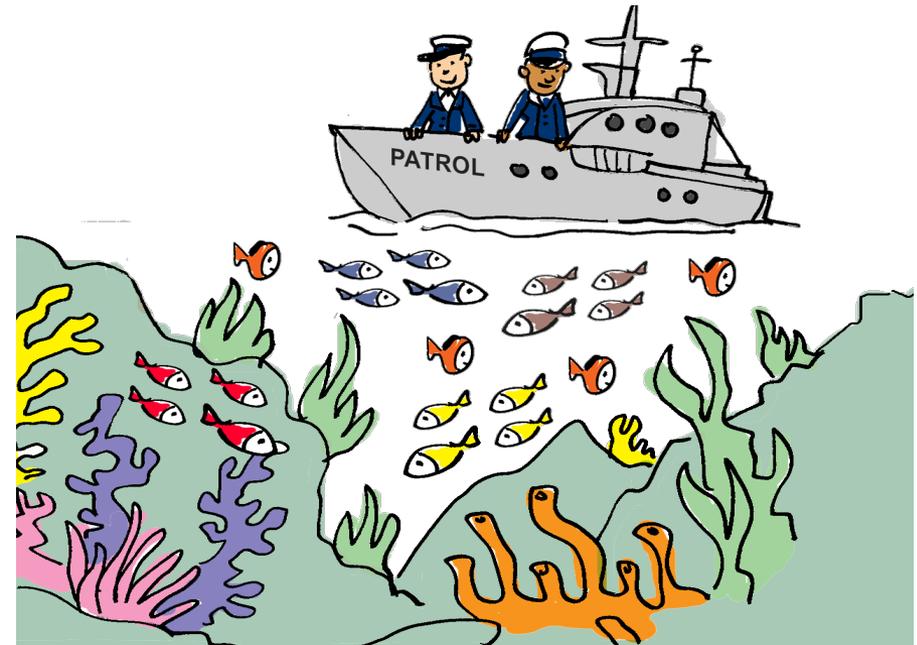
Before

Limited coverage by enforcement agencies due to uncoordinated schedules and functions



After

A Coordinated Enforcement Programme will reduce illegal ocean activities by optimising existing resources when monitoring ocean activities



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INITIATIVE 5

ENHANCED AND COORDINATED ENFORCEMENT PROGRAMME

NOT EXHAUSTIVE



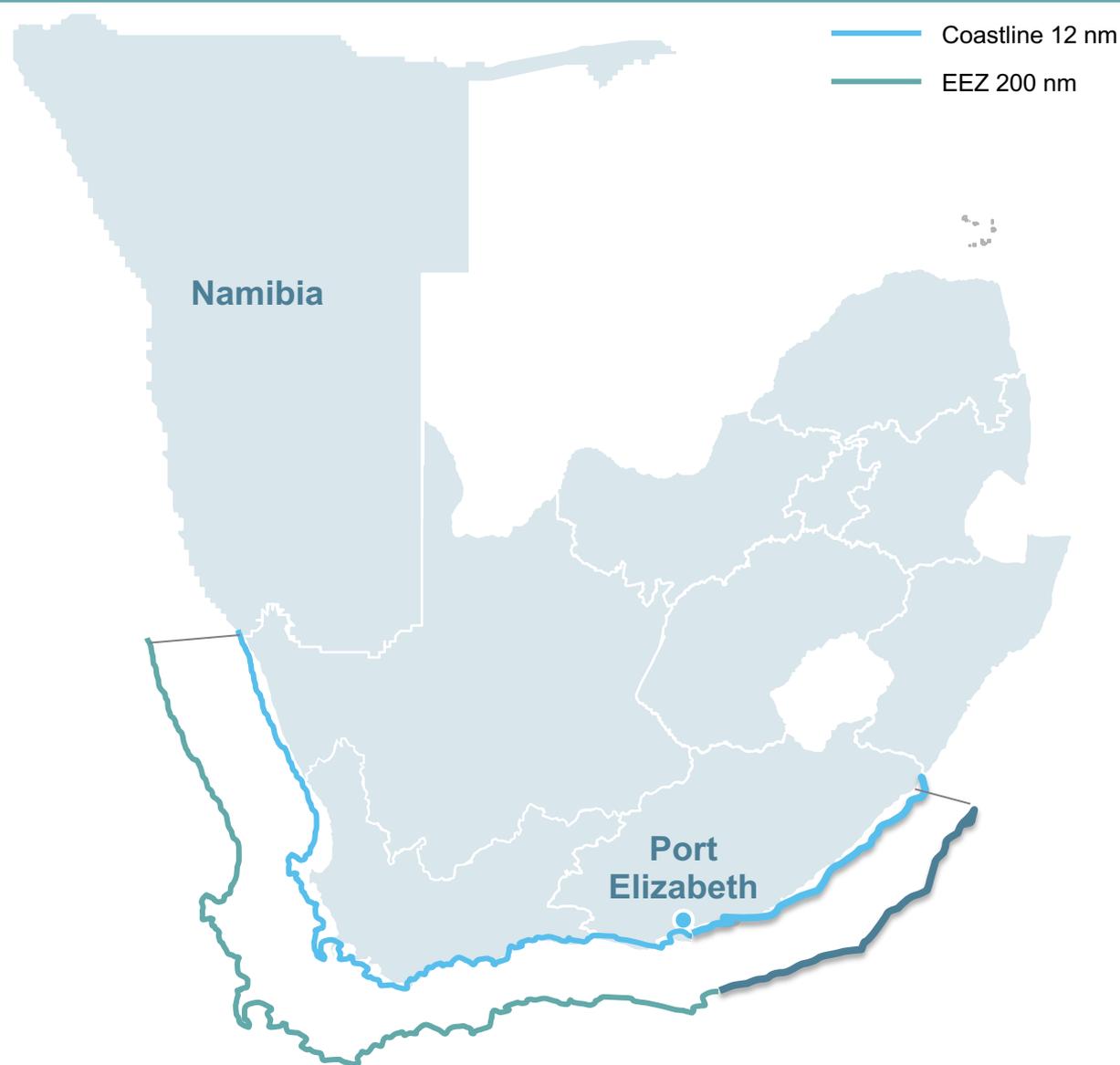
Collaborated & Shared Assets



This will support the existing Security Cluster Programme so that Security Assessments and Management Plans can be developed.



South African Coast >3200 km and Ocean Space (up to 200 nm)



ENFORCEMENT FUNCTIONS

- Non-consumptive activity, e.g. whale watching and white shark cage diving
- Marine protected species (seals, seabirds, turtles, penguins etc.)
- Marine Protected Areas
- Illegal fishing
- Pollution prevention and combatting (coast, rivers, lakes, estuaries, oceans)
- Piracy
- Human trafficking
- Effluent discharge (contaminated water)
- Dumping at sea (waste)
- Customs/excise/sanitary rules
- Ballast water invasive species
- Illegal structures
- Waste smuggling
- Driving in a Coastal Area
- Illegal mining – Sand mining along the coast

RESOURCES COORDINATION – SA's 4 COASTAL PROVINCES

National DEFF Vessels

- 1) Sarah Baartman
- 2) Victoria Mxenge
- 3) Ruth First
- 4) Lillian Ngoyi



SAPS = 2
Total = 2

Northern Cape

SanParks = 19
CoCT = 3
SAPS = 14
Fisheries = 5
Customs = 2
Total = 33

Western Cape

SanParks = 9
SAPS = 4
Fisheries = 2
ECPTA = 4
Customs = 3
Total =

Eastern Cape

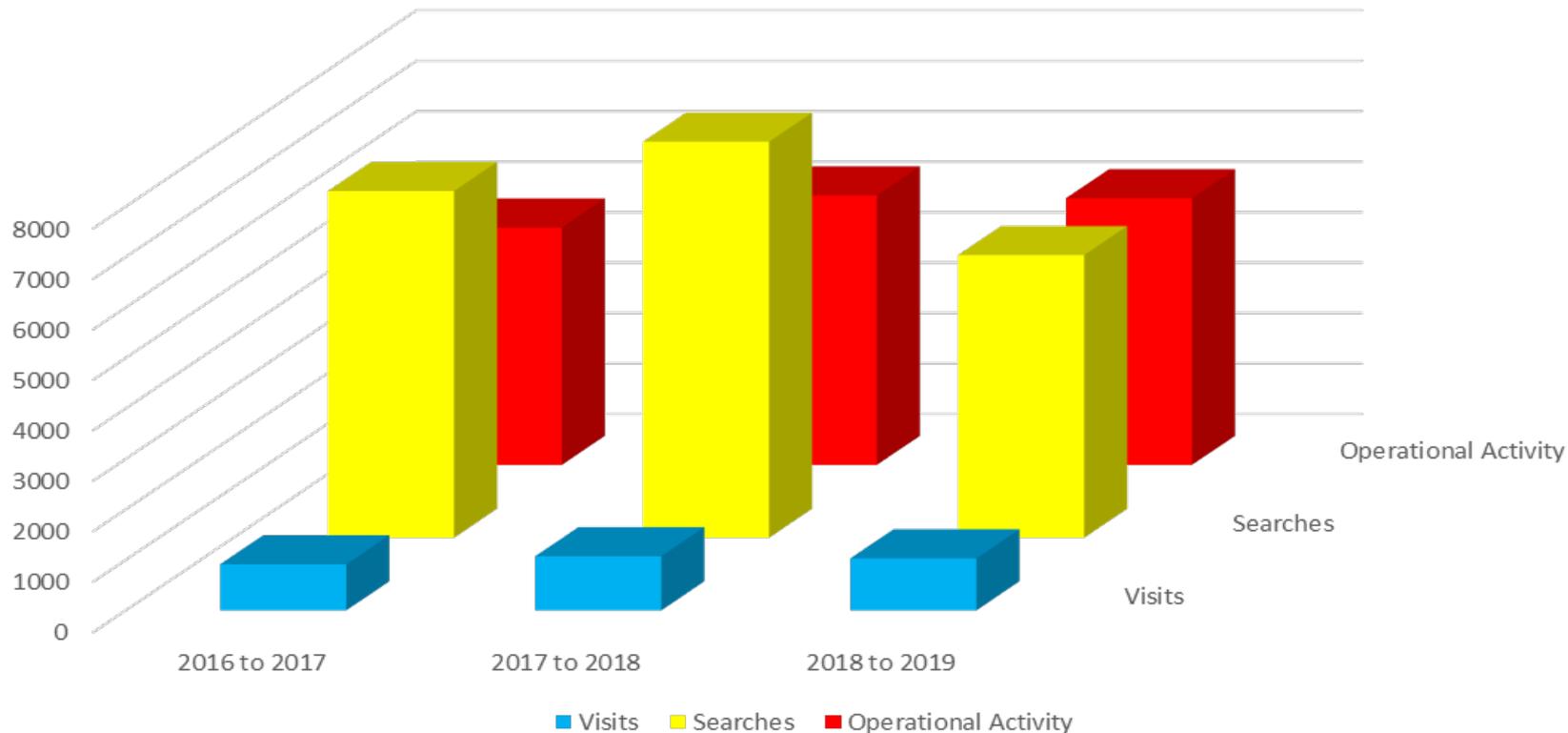
SAPS = 4
Customs = 3
Total = 7

Indian Ocean



PHAKISA ACTIVITIES COMPARISONS

Annual Comparisons



However, confiscations of marine resources increased by R 16 251 701 and R 5 523 616 respectively



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PHAKISA OUTCOMES COMPARISONS

CONFISCATIONS

Total confiscations for the 2018/19 period for all four Provinces amounted to R 28 022 983

Abalone	R 21 317 365.00	}	Increase by 32.7% and 274% relation to 16/17 & 17/18
Rock Lobster	R 676 050.00		
Marine Resources	R 88 345.00		
Associated Equipment	R 4 875 960,00	➔	Increase by 39.7% and 175% relation to 16/17 & 17/18
Other and Illicit Goods	R 519 601.00		
CITES	R 515 000,00		

Increase in confiscations, relating to decrease in activity, could be attributed to a focused/target driven approach and inclusion of Reactive Operations.



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OCIMS FUNCTIONALITY

- Viewer will open
- Click on “layers” to expand

The screenshot displays the 'Coastal Viewer' web application interface. At the top left is the Department of Environmental Affairs logo. A search bar with the placeholder text 'Enter an address or place' is located at the top center. On the right side of the header, there is a 'Help' link. A left-hand sidebar contains a menu with the following items: Legend, Layers (highlighted with a red box), Bookmarks, Go To Coordinate, Find Features, Advanced Search & Buffer Queries, Draw, Measurements & Coordinates, and Print. The main area of the interface is a satellite map of South Africa, showing its provincial boundaries and names: Northern Cape, Western Cape, Eastern Cape, Free State, North West, Limpopo, Mpumalanga, Gauteng, KwaZulu-Natal, and Lesotho. Major cities are labeled, including Windhoek, Gaborone, Pretoria, Johannesburg, Maseru, Pietermaritzburg, Durban, East London, Port Elizabeth, and Cape Town. A scale bar at the bottom left indicates 200km and 100mi. The bottom right corner features the 'POWERED BY esri' logo.

- Click on the + next to “Protected Areas and Conservation”

Legend

Layers

- Demarcation
- Coastal Boundaries
- Coastal Access
- Coastal Pollution Management
- Coastal Discharge Infrastructure
- Protected Areas & Conservation
- Physical Features
- Transport
- Structures & Recreational Information
- Cadastre
- Elevation
- Environmental Sensitivity

Bookmarks

Go To Coordinate

Find Features

Advanced Search & Buffer Queries

Draw

Measurements & Coordinates

Print



- Click in the box next to “MPA Zonations”

The image shows a screenshot of the 'Coastal Viewer' web application. The interface includes a header with the South African coat of arms and the text 'Coastal Viewer Department of Environmental Affairs'. A 'Layers' panel on the left lists various map layers, with 'MPA Zonations' highlighted by a red box. The main map area displays a satellite-style map of South Africa and its neighboring countries (Botswana, Lesotho, Eswatini, Mozambique, and Zimbabwe). The map is overlaid with various colored lines and polygons representing different coastal management zones. A scale bar at the bottom left indicates 200km and 100mi. The 'Basemaps' dropdown menu is visible in the top right corner.

Coastal Viewer
Department of Environmental Affairs

Layers

- Demarcation
- Coastal Boundaries
- Coastal Access
- Coastal Pollution Management
- Coastal Management Lines
- Protected Areas & Conservation
 - Heritage Sites
 - Birds
 - Seal Colonies
 - Turtle Nesting Grounds
 - Protected Areas
 - MPA Zonations**
 - Pelagic threat status
 - Benthic and coastal threat status
 - Benthic and coastal protection
 - Coastal Vegetation - Ecosystem Status
 - Coastal Vegetation - Protection Level
- Physical Features
- Coastal Risk Management
- Transport
- Land Parcels

Basemaps

200km
100mi

POWERED BY
esri



INTERPOL



OPERATION 30 DAYS AT SEA 2.0

Tackling offshore and onshore pollution
offences leading to marine pollution

2019



KEY ACTIVITIES

MARPOL INSPECTIONS ANNEX 1 - 6

INSPECTIONS AT OPL

MARITIME SECURITY - RUMMAGING

EXTENDED PATROLS – ROBBEN ISLAND AND HOUTBAY

VEHICLE CHECK POINTS

PHAKISA INITIATIVE 5 OPERATIONS



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WASTE TYRE TRAINING



INSPECTIONS AT OPL









Thank
You

