





Jamaica Defence Force



UNIT SAR BRIEF

Lt ALVIN GAYLE



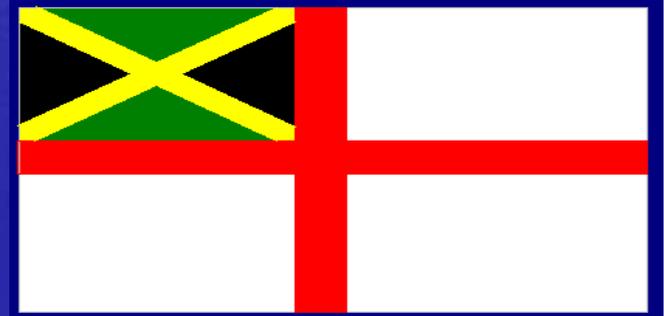
- **Historical Background**
- **Structure and Organization**
- **Maritime Areas and Jurisdiction**
- **Missions**
- **Assets**
- **Questions**

Historical Background

1962 – Formation of the Jamaica Defence Force

1963 – Formation of the JDF Sea Squadron

1966 – Formation of the JDF Coast Guard

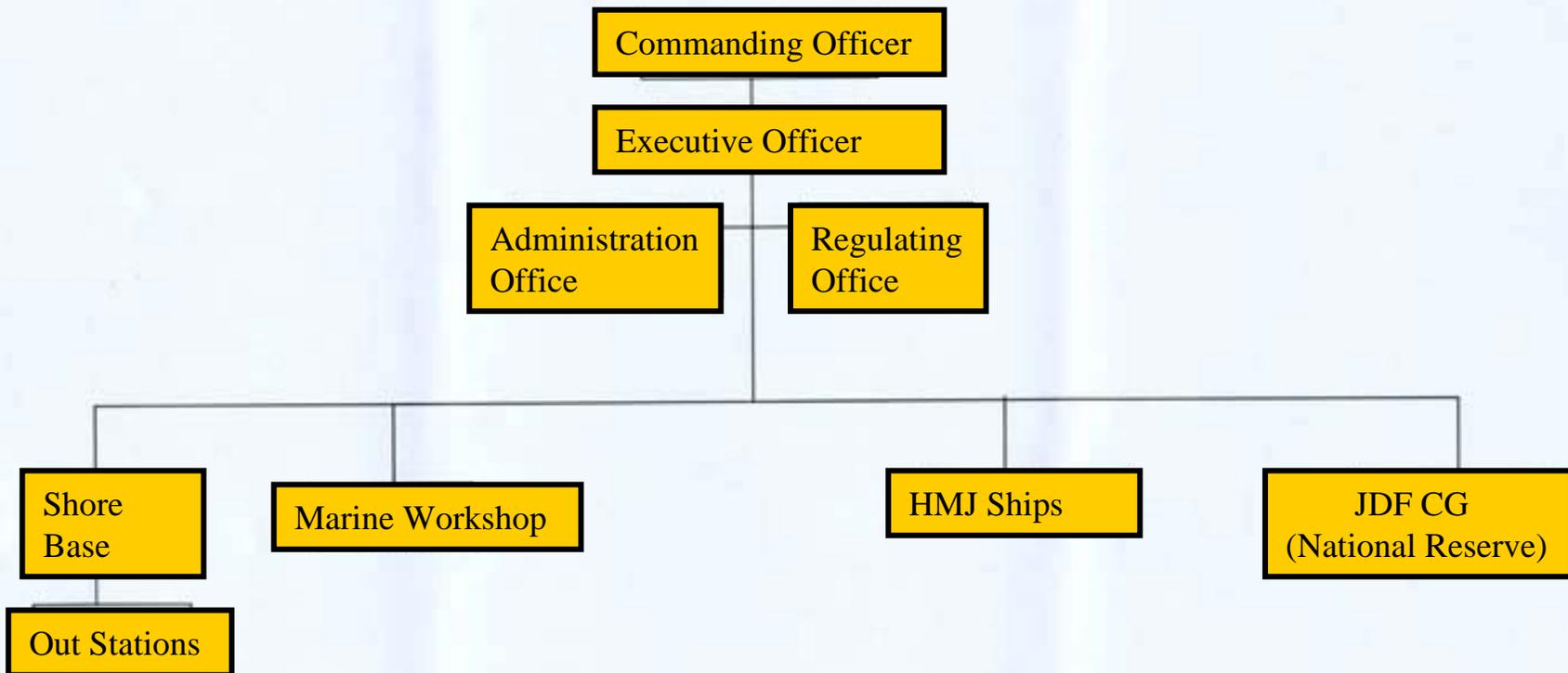


Structure and Organization

- **The JDF CG is headed by a Commander (equivalent to a Lieutenant Colonel) who reports directly to HQ JDF.**
- **The Unit's manpower is divided into: (a) sea-going crews for the patrol boats and (b) a shore based support staff and station crews to man our outstations.**
- **The JDF CG (National Reserves) complement is approximately 20% of the JDF CG regular force.**

Structure and Organization

Composition of the Jamaica Defence Force Coast Guard

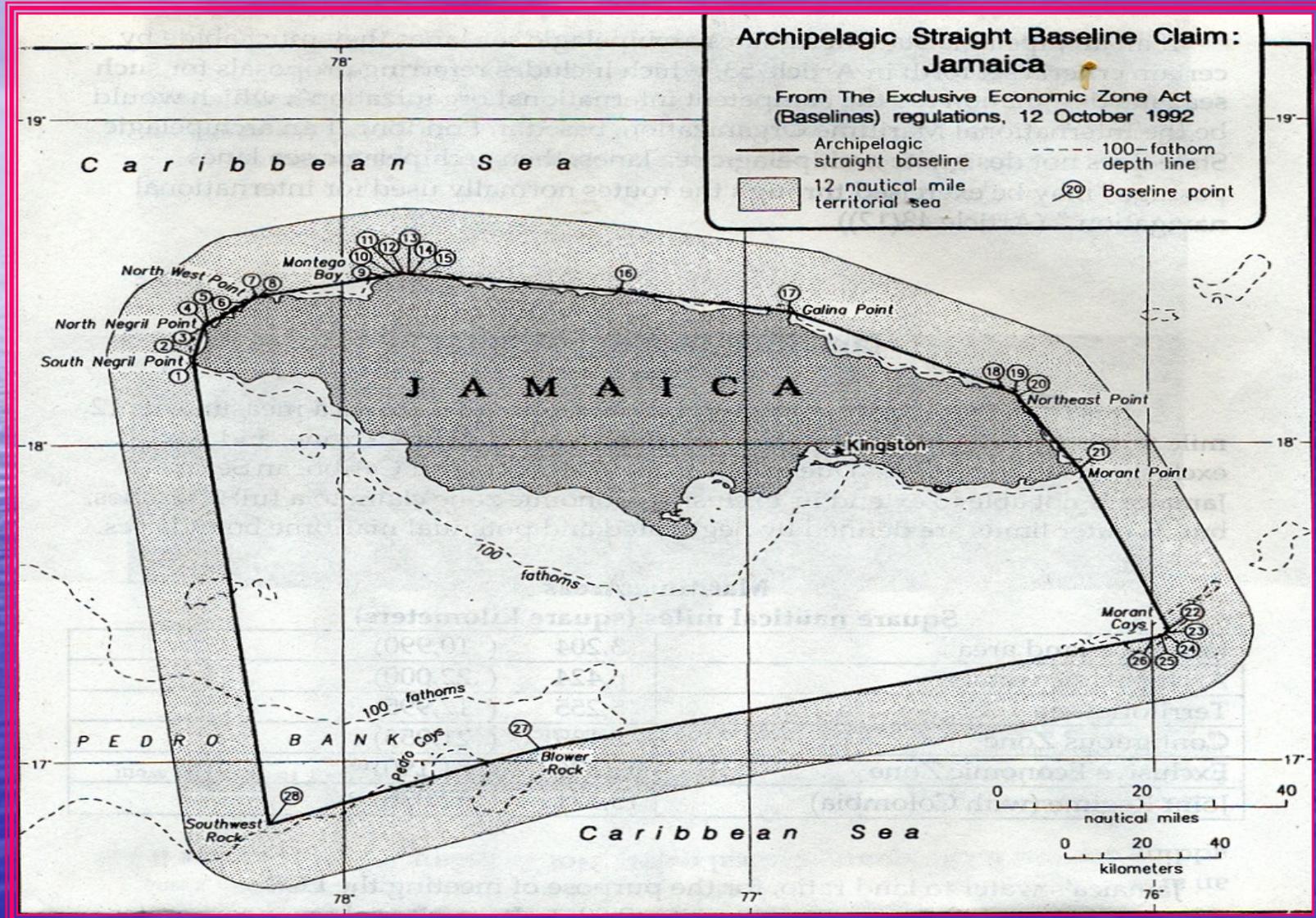




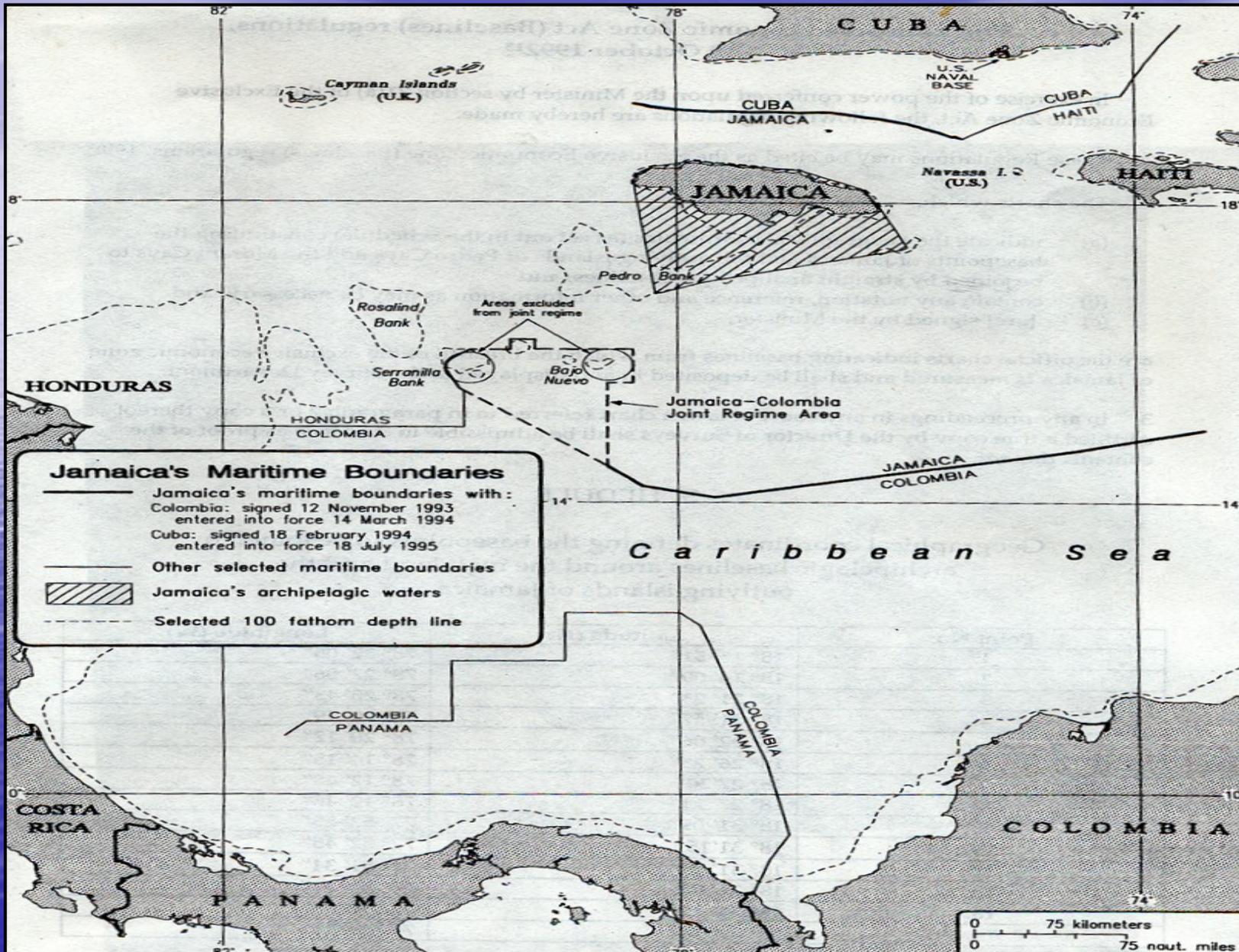
Maritime Areas

- **Jamaica is an archipelagic state.**
- **Jamaica has claimed as sovereign territory the offshore islands of the Pedro Cays and the Morant Cays.**
- **An Exclusive Economic Zone (EEZ) is claimed to protect the Country's offshore natural resources.**

Maritime Jurisdiction



Maritime Jurisdiction



SAR AREA



The JDF CG is Jamaica's on-scene coordinator for maritime search and rescue (SAR). The maritime area of responsibility is approximately 240,000 sq km (90,000 sq miles).

Missions

The Unit is tasked with the defence of and maintenance of law and order within Jamaica's maritime zone and focuses on:

- **Maritime Law Enforcement (MLE)**
- **Defence Readiness & Naval Duties (including training)**
- **Nation Building**
- **Maritime Safety (to include SAR)**

Maritime Law Enforcement (MLE)

A large percentage of our operations, underway time and effort involves enforcing Jamaica's maritime laws. Our law enforcement mission focuses on:

- anti-narcotics**
- port security**
- customs and immigration**
- fisheries protection**

Defence Readiness and Naval Duties



As the naval arm of the JDF, the JDF CG maintains its military proficiency to support other arms in the defence of and maintenance of order.

Nation Building

The Unit holds diverse skills that are harnessed in support to the nation.

- **These skills include maintaining certain essential services during incidents of civil unrests: at sea and on land.**



Maritime Safety



The Unit operates an international coast radio station on a 24-hour basis.

Search and Rescue (SAR): Typical problems encountered

- Persons not wearing personal floatation devices (and not carrying them onboard) and not carrying other safety equipment (eg. Flares)
- Late reporting of cases
- Local fisher folk not leaving proper movement information with loved ones
- Inaccurate information (eg. Vessel description; fishing location)
- Fisher folk not forthcoming with information (as some cases arise from failed illegal activities)
- Fisher folk not taking proper communication equipment (i.e. VHF or HF radios and cellular phones)
- Vessels proceeding to sea without anchors.

Search and Rescue (SAR): Typical problems encountered

- Unseaworthy vessels (mostly fishing boats)
- Ignorance (eg. Improper planning eg. Jet ski case)
- Seafarers ignoring severe weather alerts
- Fisher folk failing to equip their vessel with navigational equipment (eg. Lights and compass)
- Lack of professional boat handling training and inexperience in general (mostly fisher folk)
- Unregistered vessels (making it difficult to ascertain vessel details)

SAR Statistics (2006-2008)

- 44 cases in 2006; 51 cases in 2007; 36 cases in 2008
- Annually – fishing vessels make up more than 65 % of SAR cases
- For 2008, over 90 % of cases involve fisher folk
- In the majority of all cases, the vessels were disabled or overdue
- Poor safety practices contribute mostly to persons being in distress

SAR Statistics 2008

The JDF CG opened 36 SAR Cases.

30 Cases have been closed in which a total of 130 persons were rescued. 6 cases remain pending with 19 lives unaccounted for.



Assets:

- **Offshore Patrol Vessels (OPVs)**
- **Inshore Patrol Vessels (IPVs)**
- **Rotary Wing (JDF AW)**

Assets (OPVs) : County Class



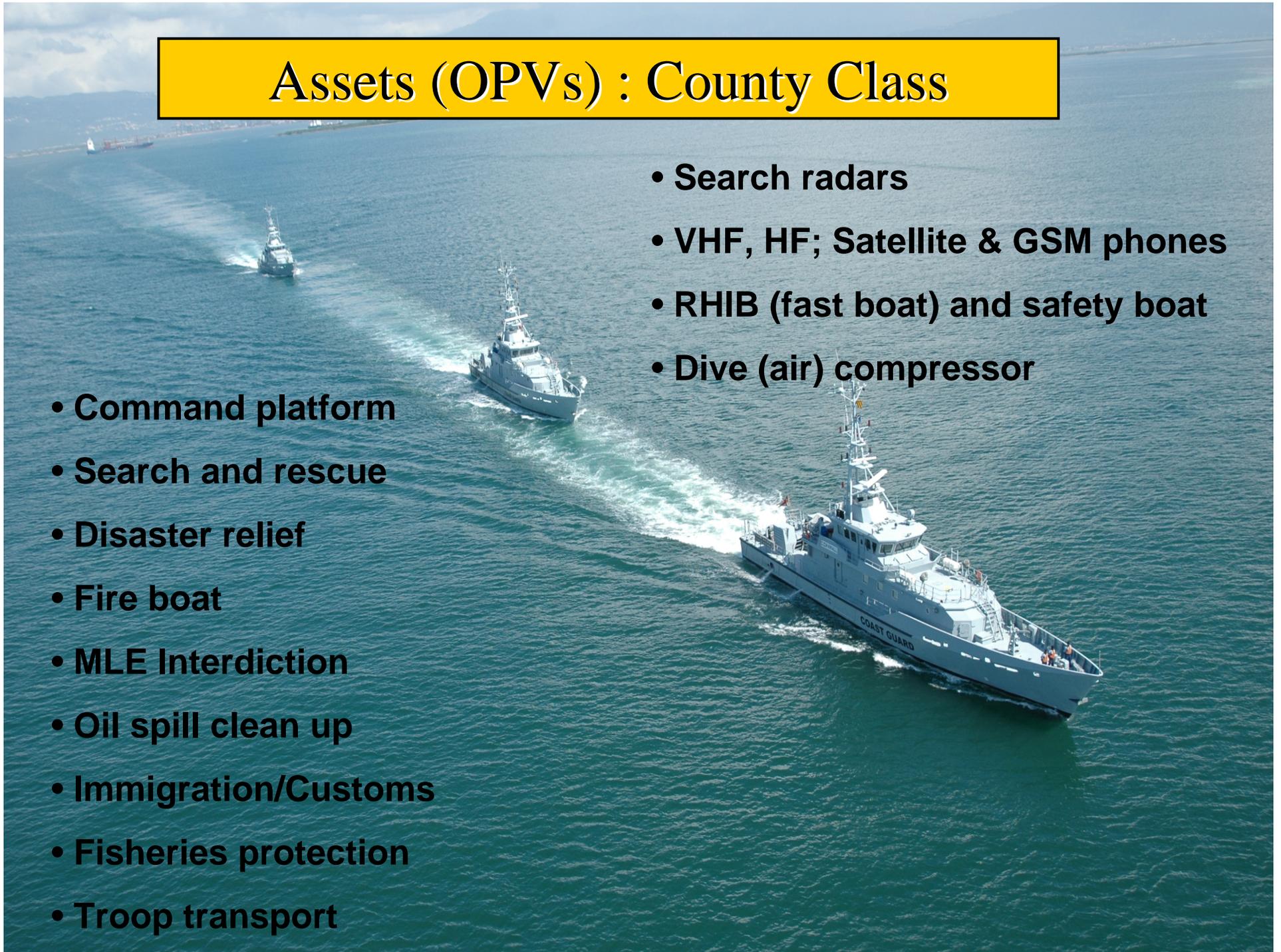
- Length : 42 m
- Range 1800 Nm
- Max speed 26 kts
- Complement : 16
- Shipbuilder: Damen



Assets (OPVs) : County Class

- Command platform
- Search and rescue
- Disaster relief
- Fire boat
- MLE Interdiction
- Oil spill clean up
- Immigration/Customs
- Fisheries protection
- Troop transport

- Search radars
- VHF, HF; Satellite & GSM phones
- RHIB (fast boat) and safety boat
- Dive (air) compressor



Assets (OPVs) : Hero Class

Length: 105 feet

Transit Speed: 14 Kts

Range: 1,500 nm

Endurance: 4 Days



Assets (IPVs):

High Speed Interceptors



- Length : 13m
- Range : 800nm @45kts
- Max Speed : 53 kts
- Crew : 4
- Builders : Nortech (received through the US Enduring Friendship Programme)

- Surface RADAR
- FLIR
- NVG
- Electronic navigation
- Auto pilot



Assets (IPVs):

Sea Ark patrol vessels



- Length : 12m
- Range : 1,100 nm
- Speed : 25 kts
- VHF, HF
- RADAR
- Electronic navigation
- Used for inshore and offshore patrols
- Troop transport (half platoon)

Assets (IPVs):



Maritime Headquarters security patrols getting ready to intercept and board a suspect vessel breaching the security zone, suspect vessel played by the USCGC GENTIAN, the Caribbean Support Tender.

**Seized/detained go-fast vessels are being used at
CAGWAY and at Outstations**



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**SAR Mission: Search & Rescue/
Utility**

Transit Speed: 120 Kts

Search Speed: 80-100 Kts

Endurance: 2 Hrs 45 Mins

**Search radar: Primus Weather
Radar & FLIR**



4 FRENCH 355N "ECUREILS"



Search Radar: FLIR

Comms: 2 x VHF AM,
2 x VHF FM
1x HF

SAR Mission	Search
Transit Speed	120 Kts
Search Speed	80-100 Kts
Search Radius	300 Nm
Endurance	2.5 Hrs



JOINT OPERATIONS: US Coast Guard

US Coast Guard assets that assist us in our operations:



CONCLUSION

- **History**
- **Structure and Organization**
- **Maritime Areas and Jurisdiction**
- **Missions**
- **Assets**
- **Concept of Operations**

