

Using AIS to determine adequacy of ENC coverage MACHC 15 Dec 2014

Assessing ENC coverage at Cruise Ship Ports-of-Call

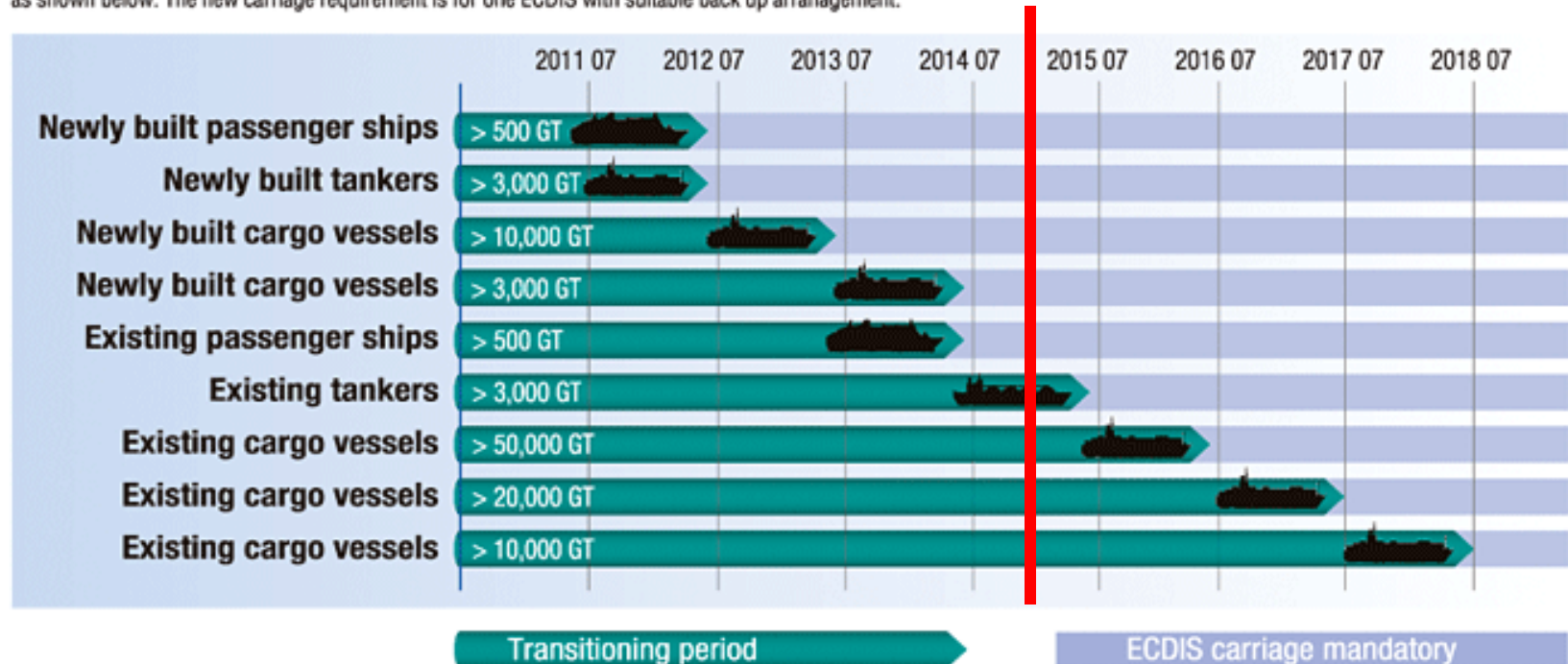
MACHC Integrated Charting Committee



Mandatory carriage regulations for ECDIS are now in force for some ships

Implementation schedule for mandatory carriage ECDIS

At the NAV-54 work group assembly in 2008, IMO has decided to make ECDIS mandatory for all IMO vessels >3,000 GT (passenger vessels >500 GT) with a transitioning period as shown below. The new carriage requirement is for one ECDIS with suitable back up arrangement.



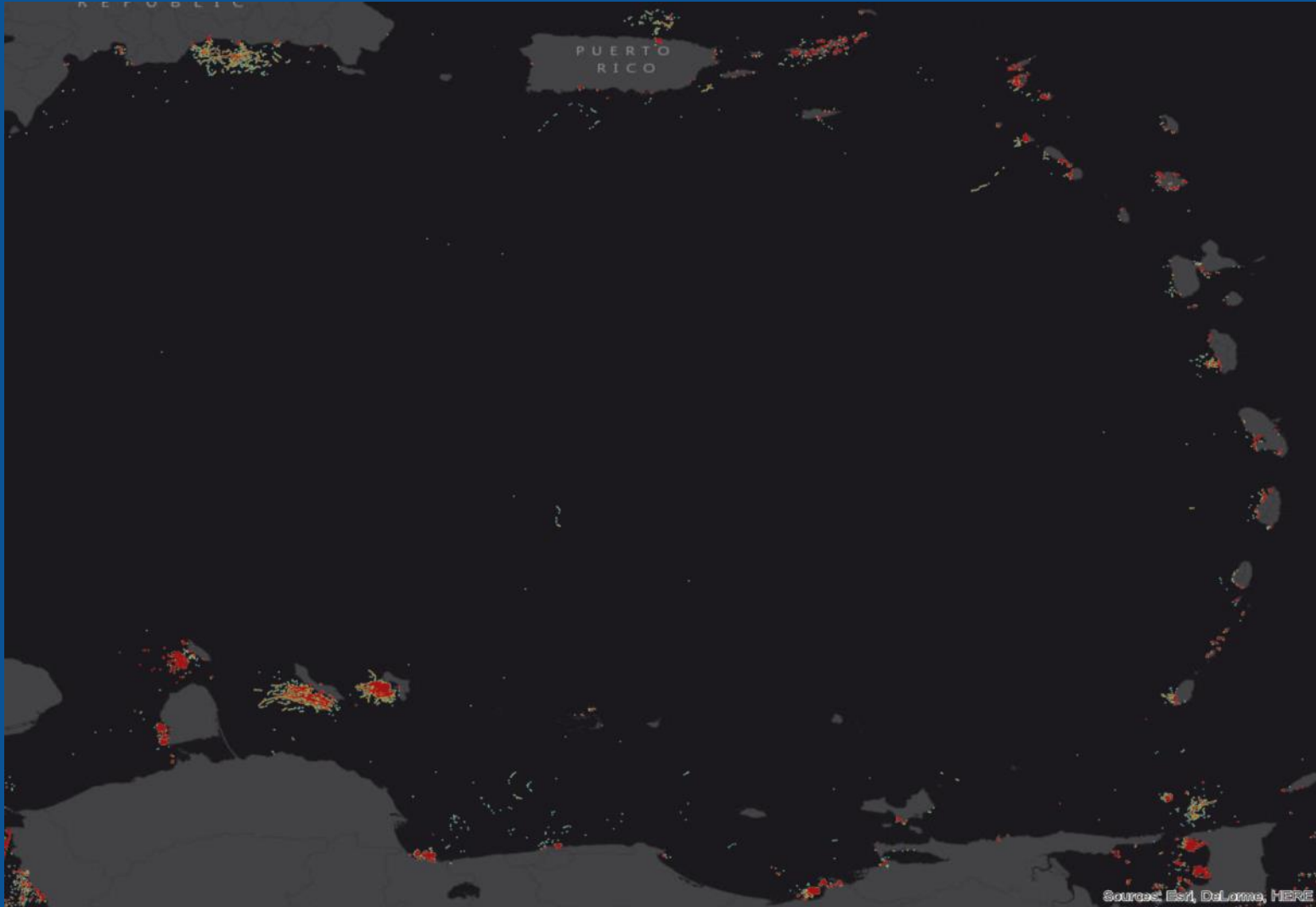
Member State compiled list of Priority Ports



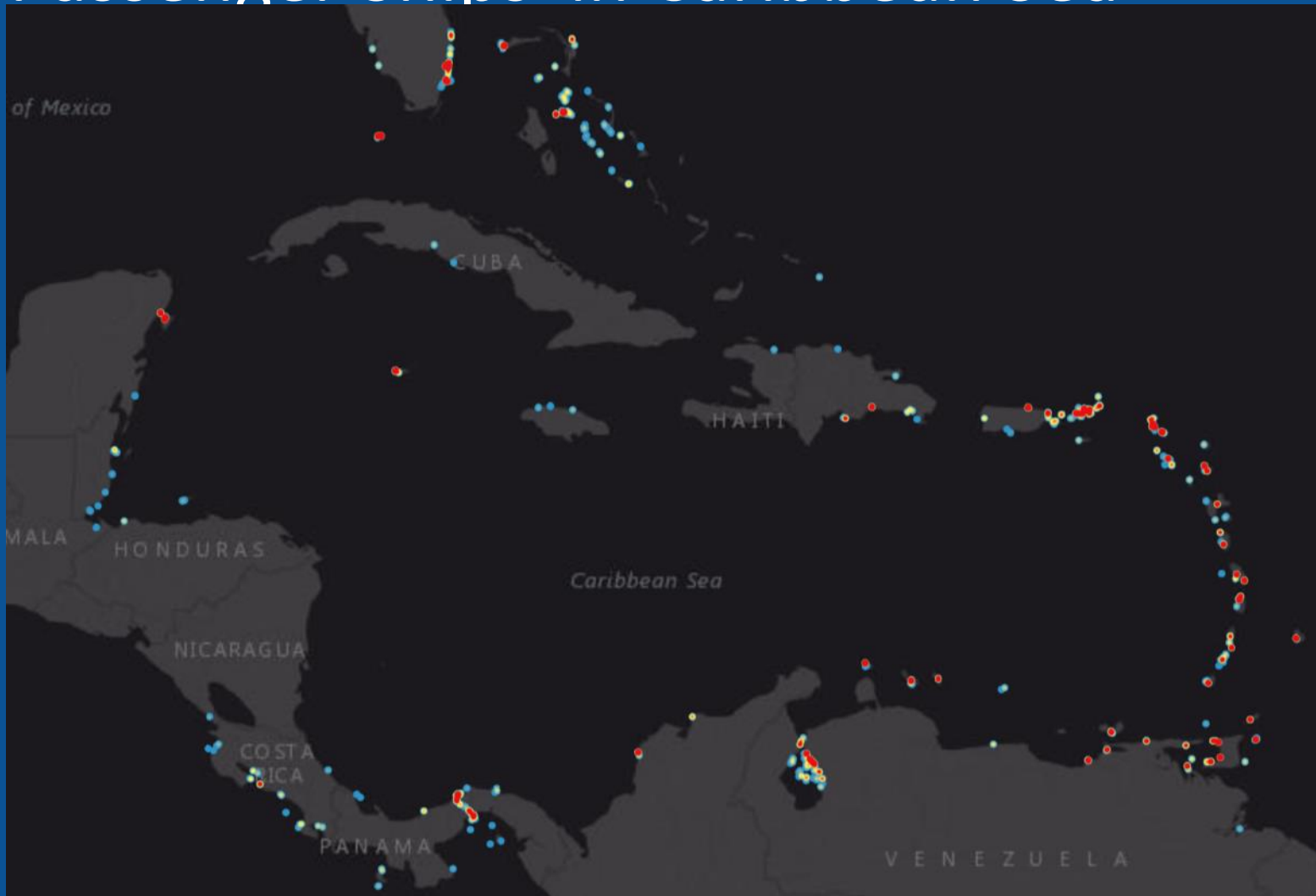
Are we missing anything



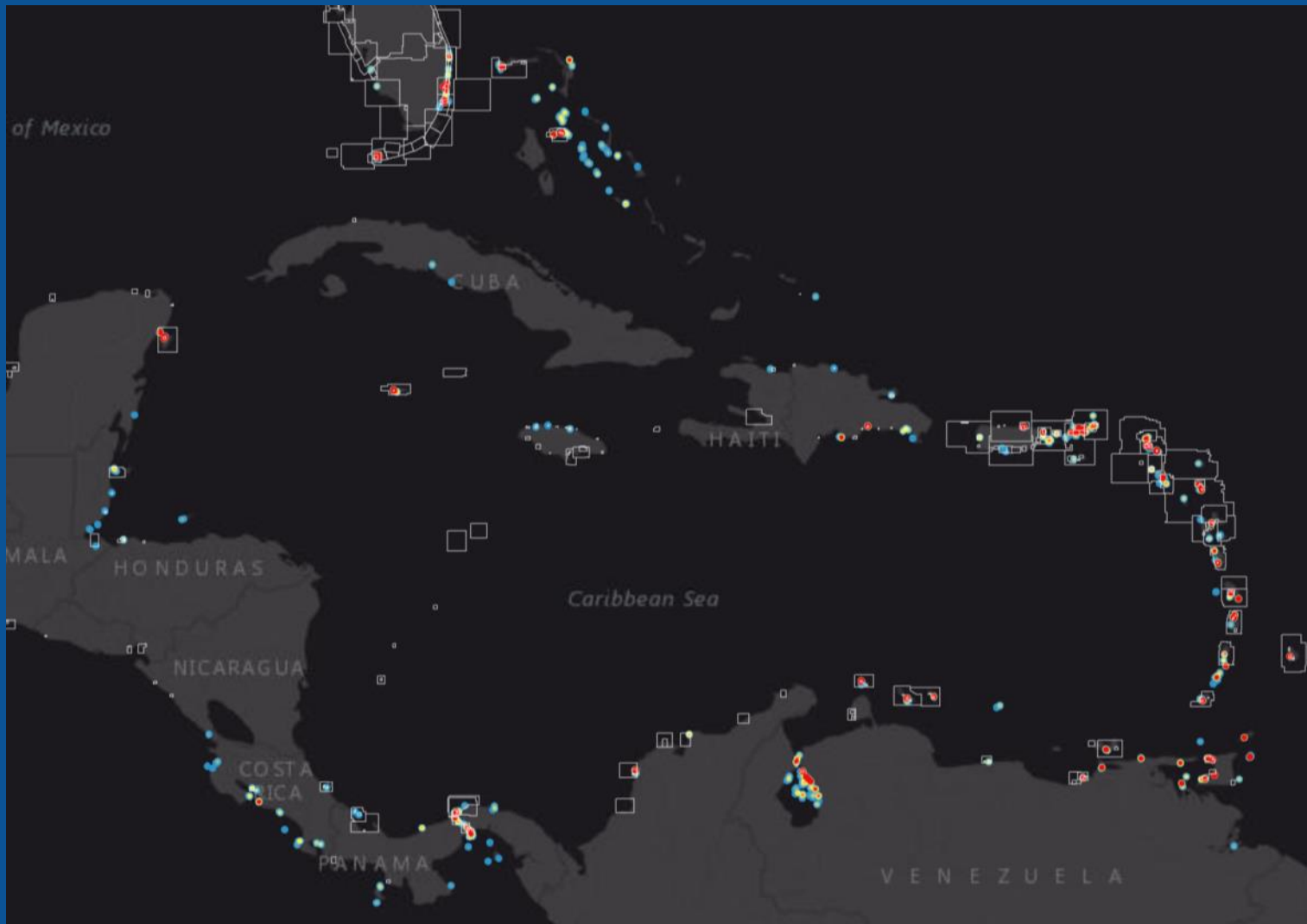
Density of Moored and Anchored Vessels in the Caribbean Sea



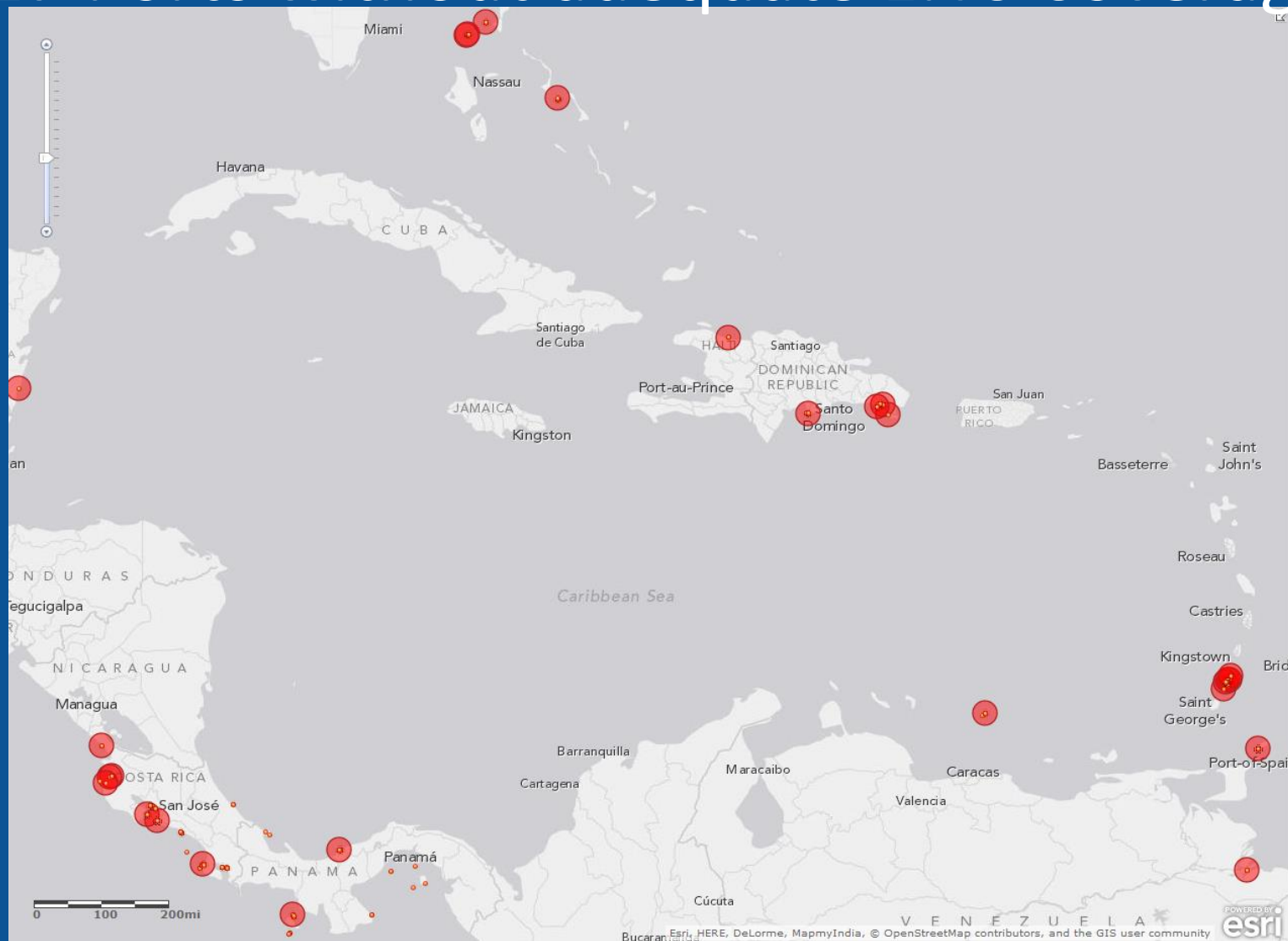
Density of Moored and Anchored Passenger Ships in Caribbean Sea



Large Passenger Ships Moored and Anchored vs. ENC Bands 4-6



27 Ports without adequate ENC Coverage



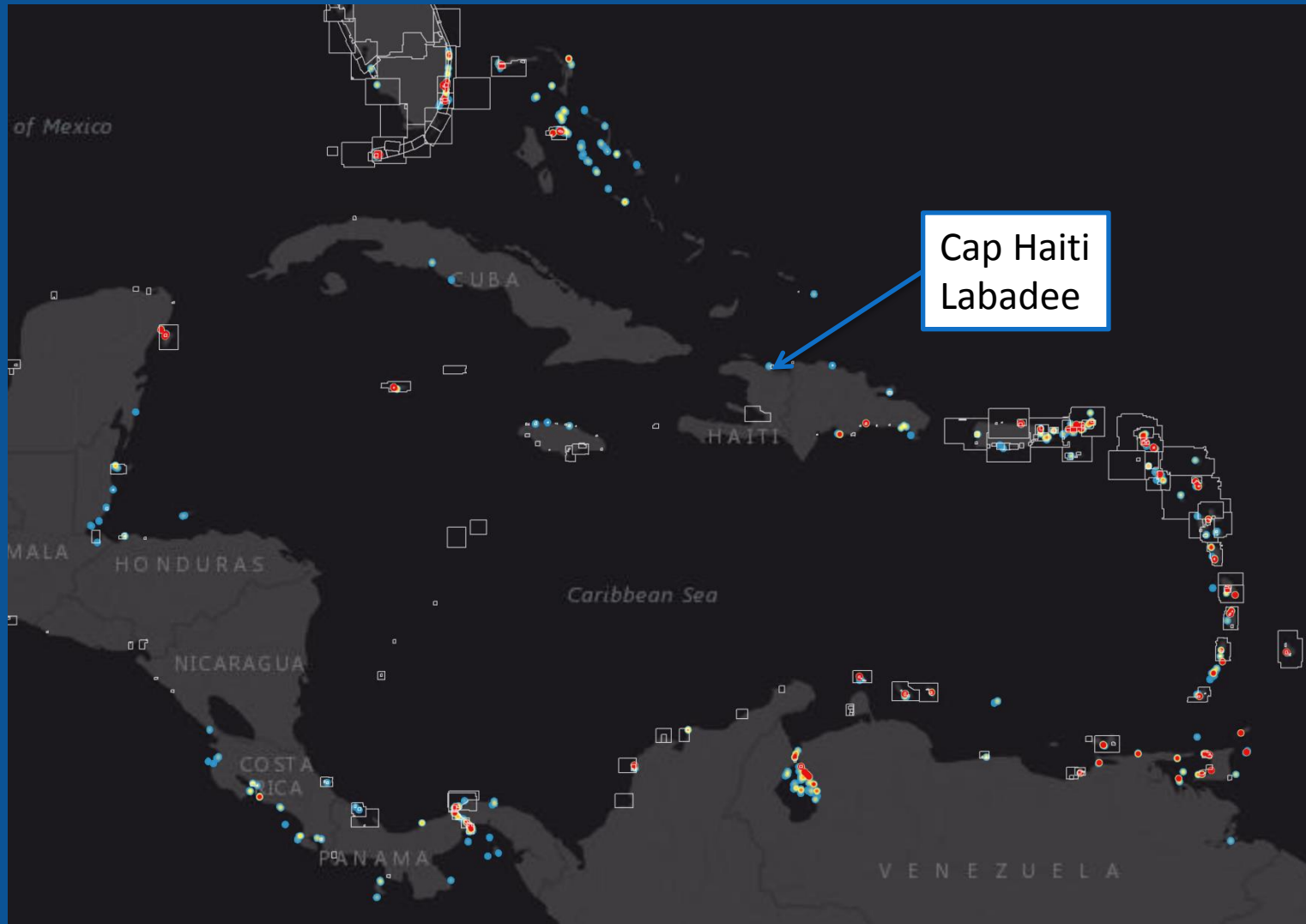
For Example...



Office of Coast Survey



Labadee – a missed opportunity



A missed opportunity?



Labadee, Haiti



Royal Caribbean Webpage - Labadee

The screenshot displays the Royal Caribbean International website. At the top, the logo is on the left, and navigation links for 'Login', 'My Cruises', 'United States', and 'Change Country' are on the right. A 'Call Us (866) 562-7625' link and a search bar are also present. Below this is a yellow navigation bar with links: 'PLAN A CRUISE', 'CRUISE DEALS', 'BEFORE YOU BOARD', 'ALL ABOUT CRUISING', 'CUSTOMER SUPPORT', and 'CROWN & ANCHOR SOCIETY'. The main content area features a large image of a Royal Caribbean cruise ship at a tropical beach. Overlaid on this image is a white box with the text 'LABADEE, HAITI' and 'Port of Call'. Below the image, there is a text block describing Labadee as a private beach destination with pristine beaches, breathtaking scenery, and exciting water activities. At the bottom of this text block is a yellow button that says 'FIND CRUISES SAILING TO THIS PORT'. To the right of the main image, there are links for 'SIGN UP FOR ROYAL DEALS', 'SHARE', and social media icons for email, Twitter, and Facebook.

Royal Caribbean INTERNATIONAL

Login My Cruises United States Change Country

Call Us (866) 562-7625 Search

PLAN A CRUISE CRUISE DEALS BEFORE YOU BOARD ALL ABOUT CRUISING CUSTOMER SUPPORT CROWN & ANCHOR SOCIETY

Plan a Cruise > Ports > Ports of Call

SIGN UP FOR ROYAL DEALS SHARE

LABADEE, HAITI

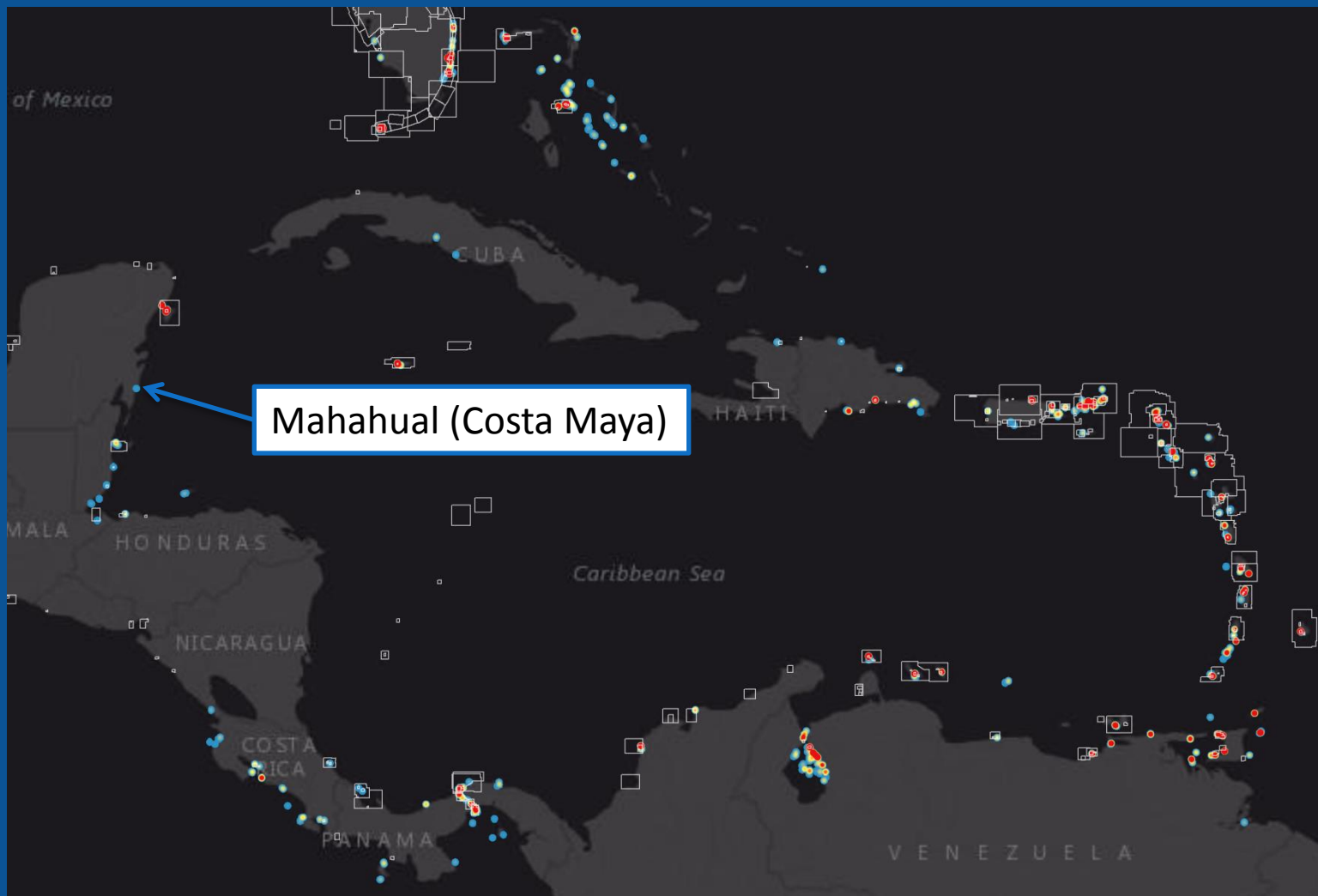
Port of Call

Labadee, Haiti

Only Royal Caribbean can take you to the private beach destination of Labadee. Our private paradise sits on the north coast of Haiti, surrounded by beautiful mountain slopes and exotic foliage. This exclusive destination offers pristine beaches, breathtaking scenery, incredible thrills and spectacular water activities. Regardless of where you go, you'll find yourself embraced by the beautiful landscape. Labadee's native charm, along with its natural beauty, make this a destination not to be missed. It's impossible to choose just one thing that's special about Labadee. The inviting beach, coral reefs and exciting amenities provide a perfect place to relax and have fun.

FIND CRUISES SAILING TO THIS PORT

Costa Maya, Mexico



Costa Maya, Mexico



Where do we go from here?

- Recommendations:
 - Discuss with CLIA (Cruise Lines International Association)
 - Possibly share hydrographic survey data with chart producing countries
 - Conduct hydrographic risk assessments to prioritize urgency of ENC production
 - Incorporate identified ports into larger priority port database

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Office of Coast Survey