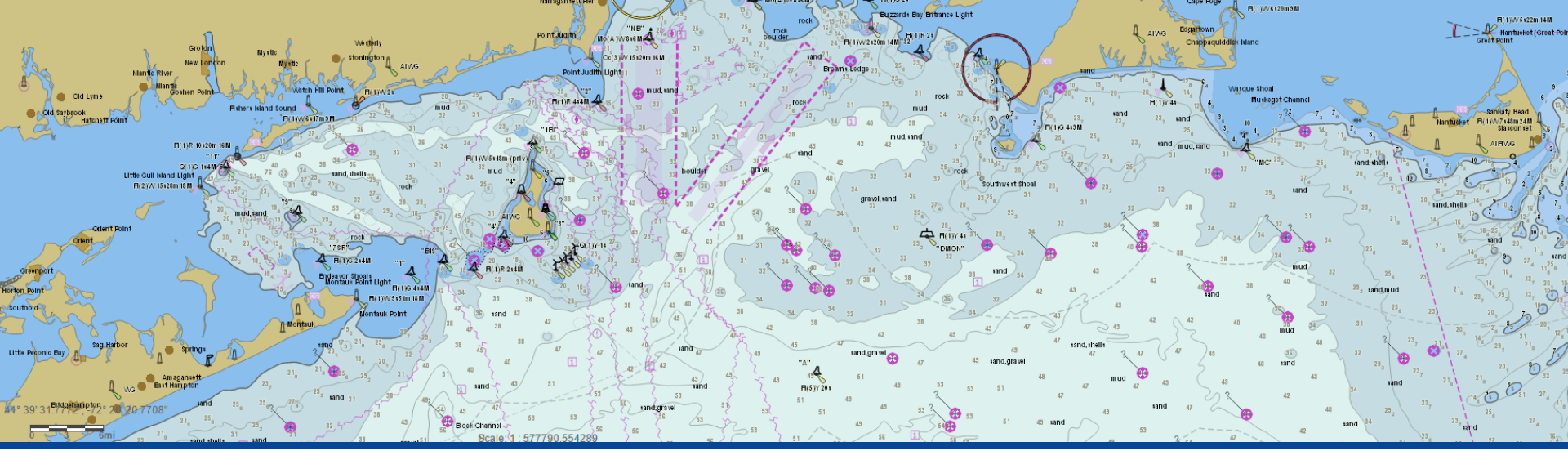


Spring Marine Board
Future of Navigation Discussion

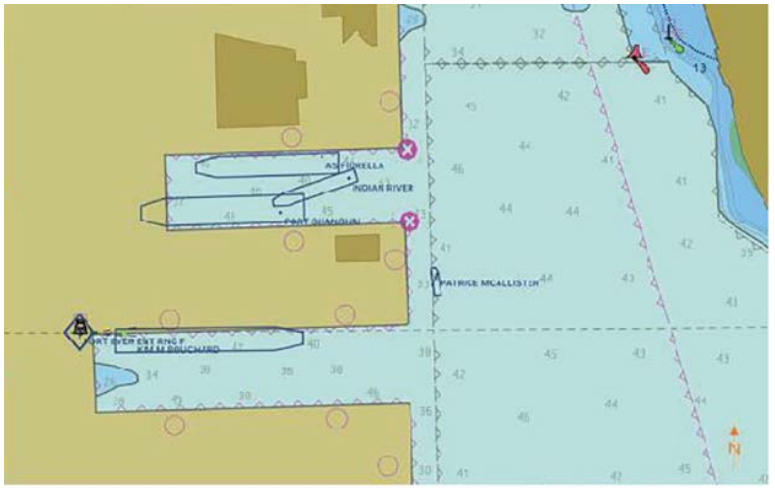
May 24, 2018

NOAA and Future of Navigation

Port Everglades ENC Update

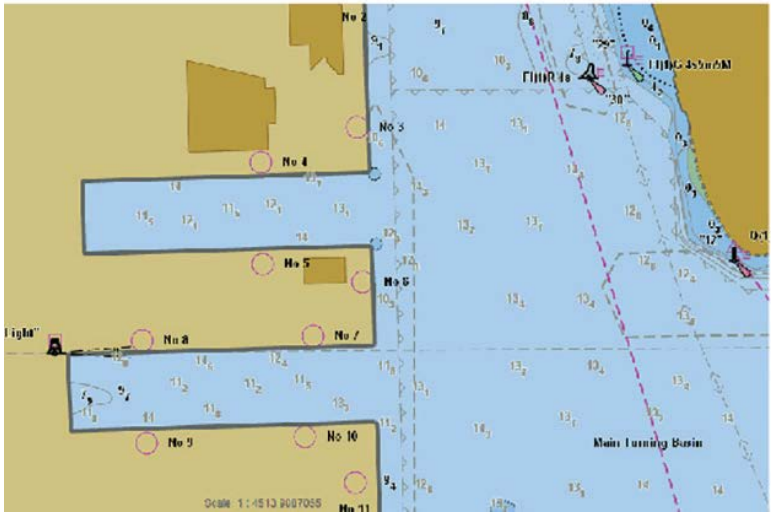
Before slip expansion

Previous ENC



After slip expansion

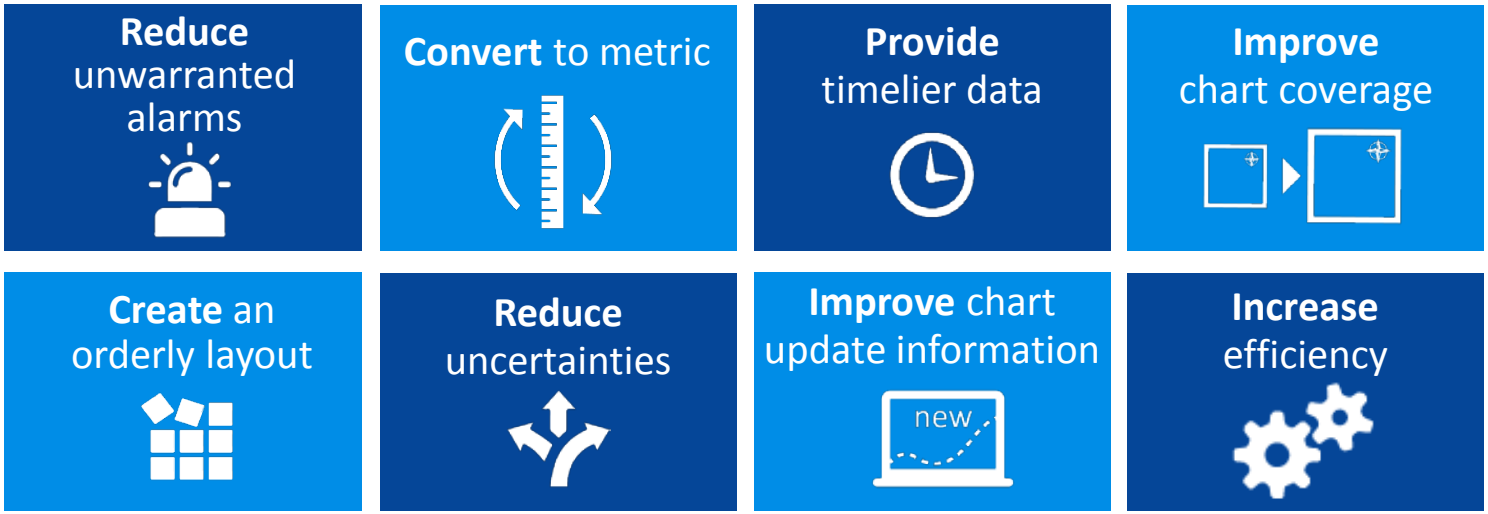
Updated ENC



National Charting Plan

Purpose Improve NOAA nautical chart coverage, products, and distribution

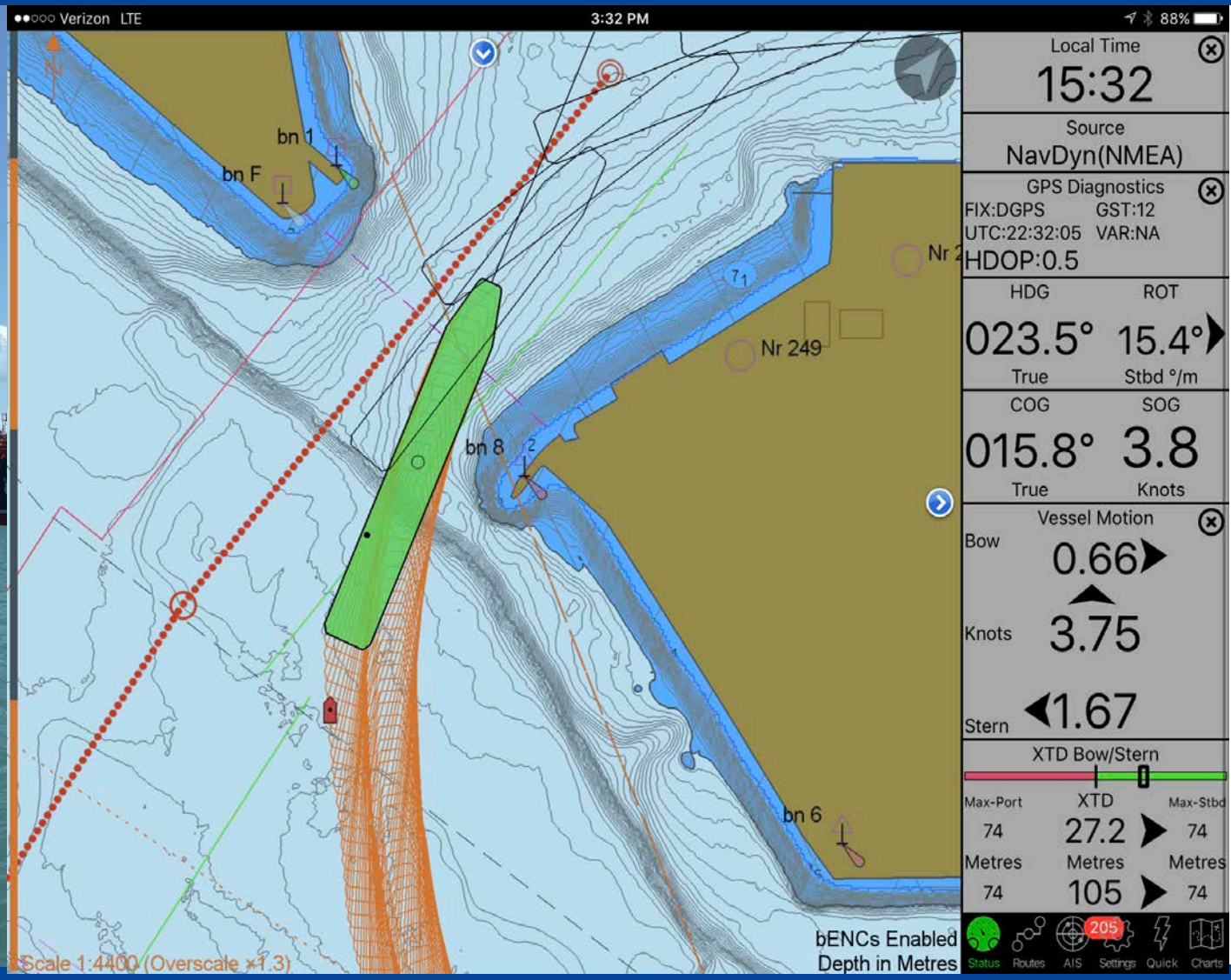
Improvements



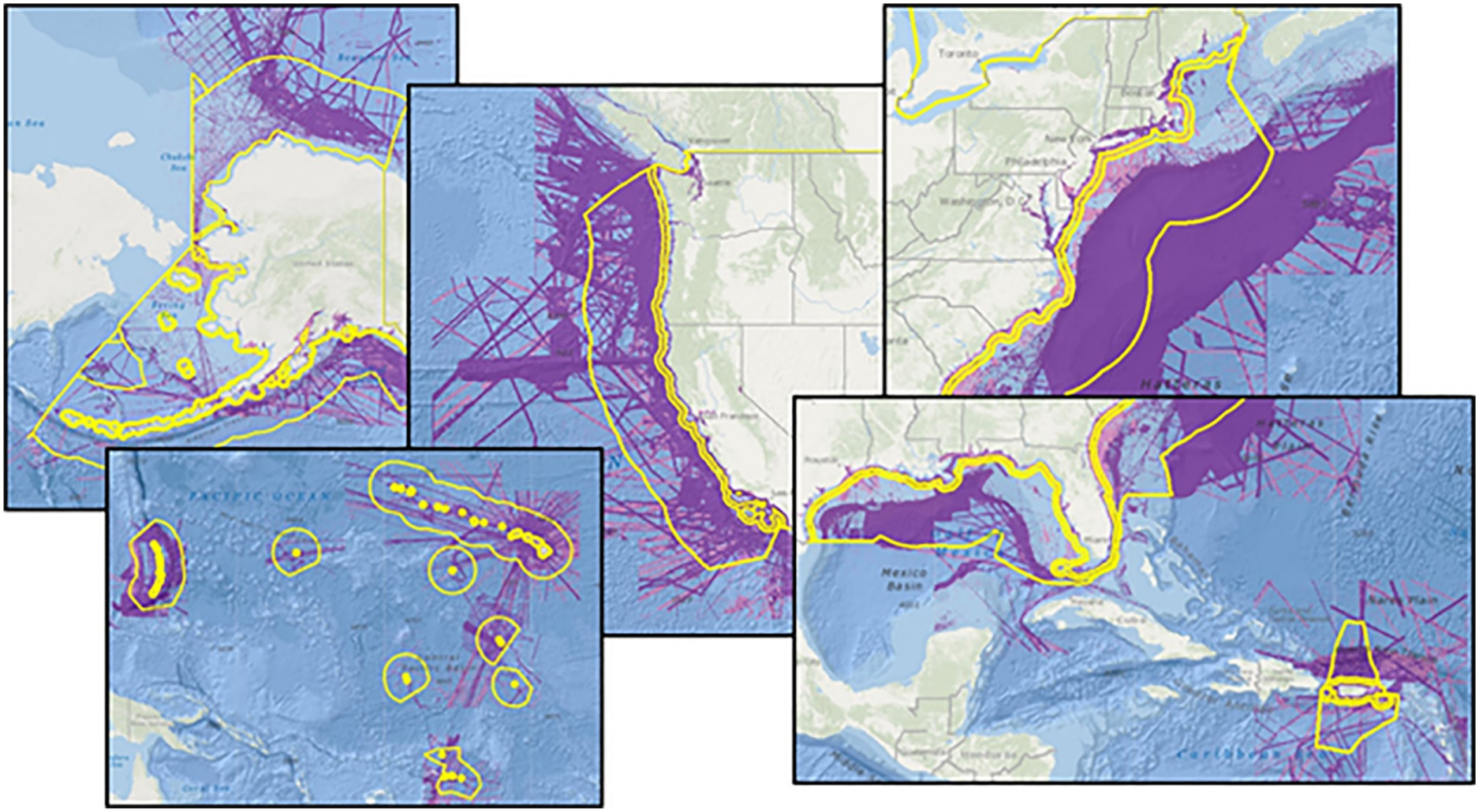
Outcome Ease of access to more precise, higher-resolution charts that deliver the most up-to-date navigation information possible

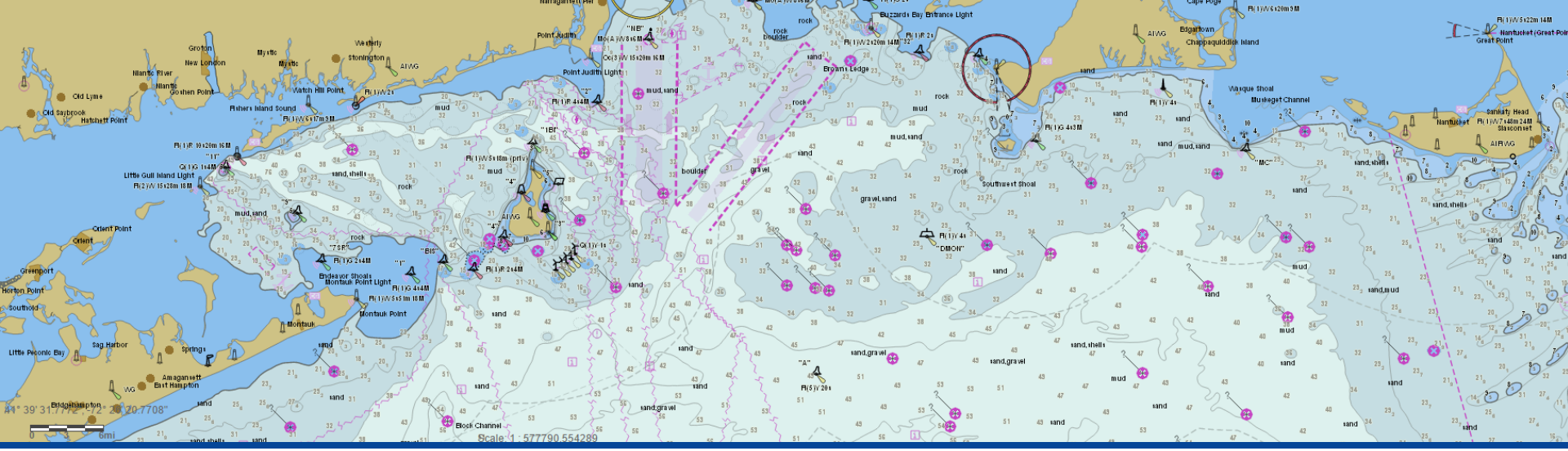
Unmanned Systems

Precision Navigation



SeaBed 2030

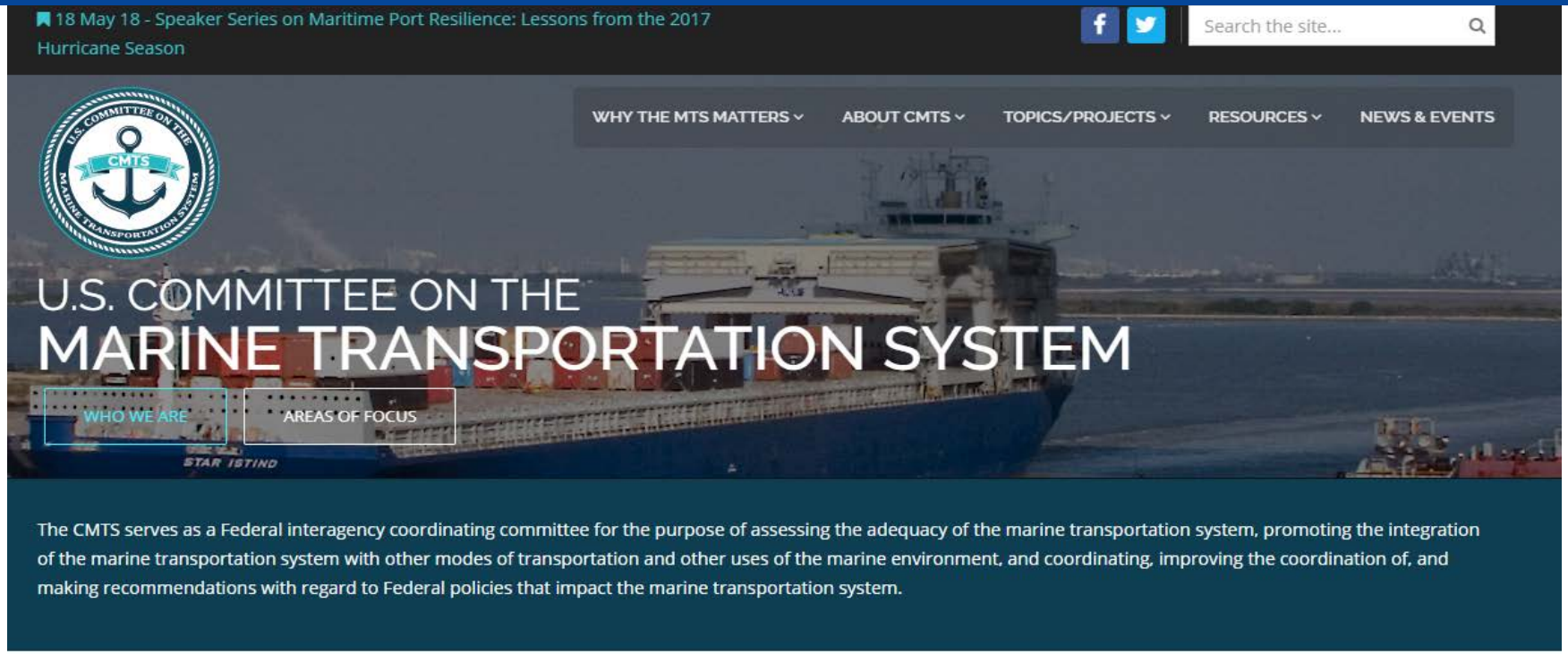



Groton
New London
Mystic
Westerly
Stonington
Niantic River
Niantic
Goshen Point
Old Lyme
Old Saybrook
Hatchett Point
Watch Hill Point
Fishers Island Sound
Point Judith
Point Judith Light
Little Gull Island Light
Orient Point
Orient
Greenport
Horton Point
Southold
Little Peconic Bay
Sag Harbor
Springs
Amagansett
East Hampton
Bridgehampton
Montauk
Montauk Point
Montauk Point Light
Endeavor Shoals
Block Channel
Buzzards Bay Entrance Light
Browns Ledge
Southwest Shoal
Cape Poge
Edgartown
Chappaquiddick Island
Wasque Shoal
Muskeget Channel
Nantucket
Sankaty Head
Nantucket (Great Point)
Great Point
Scale 1 : 577790.554289

and now.....

CMTS and Future of Navigation

CMTS and Future of Navigation



CMTS and Future of Navigation

CMTS' e-Navigation Strategic Action Plan

VISION: To establish a framework that enables the transfer of data between and among ships and shore facilities, and that integrates and transforms that data into decision and action information.

GOAL: Use timely and reliable information to make the U.S. Marine Transportation System operate better.

Future of Navigation IAT

Integrated Action Team Leads

- National Oceanic and Atmospheric Administration
- U.S. Army Corps of Engineers
- U.S. Coast Guard

Participating Agencies

- National Geospatial-Intelligence Agency
- Maritime Administration (Department of Transportation)
- National Transportation Safety Board
- Any agency that provides or has an interest in navigation services

Federal involvement in e-Navigation

- Recognition that technology is outpacing traditional ways of government promotion/regulation of navigation technology
- e-Navigation efforts should be information-focused, not equipment focused
- Reduce the time between acquisition of data and provision of information to users
- “transform data into decision and action information”

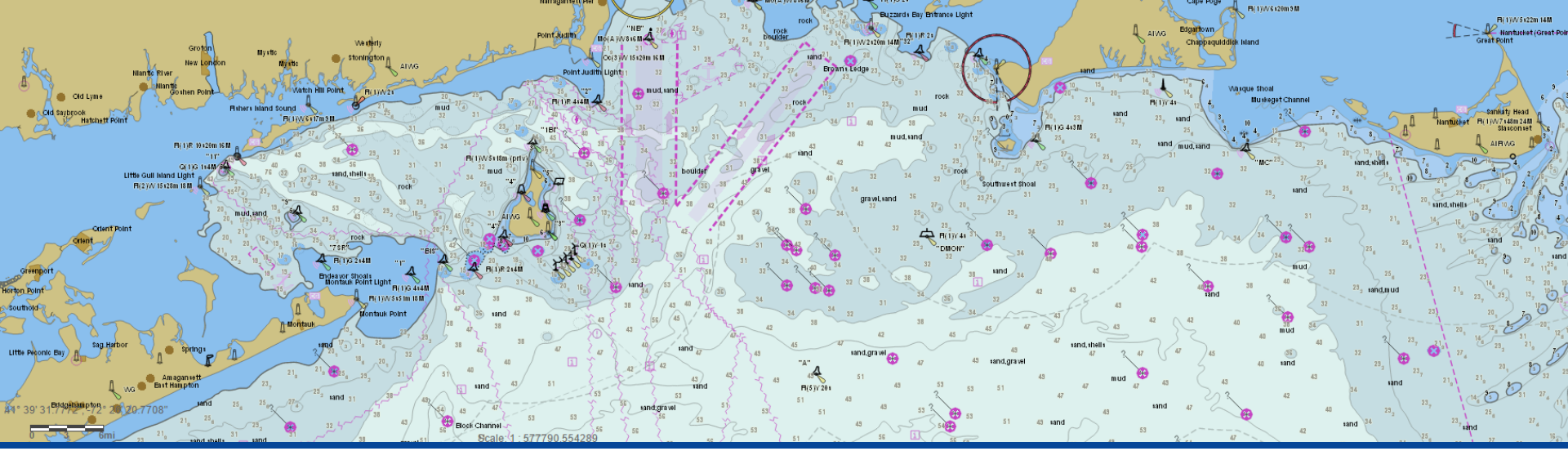
Area's of Focus

CMTS Future of Navigation IAT Work Plan

- **Interagency Coordination, and Outreach/Engagement**
  - IMO
- **Navigation Data Harmonization**
  - Unique identification codes
- **Navigation Information Dissemination**
  - S-100 Product Specification
- **Simplified Information Reporting and Sharing**
  - Single window development

Challenges

- Working across multiple agencies
  - How to we do interagency data exchange in a cyber centric environment?
- Navigation Data Supply Chain
  - Originally, data went from the Government to the End-User
  - Now, a ‘middle man’ in our data delivery (ex. equipment providers and third party information providers)
  - What role do these third party providers play? And what other delivery methods are out there?
    - What’s coming down the pike?
    - Limited to how we are giving information to the pilot house?



Questions?

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or

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