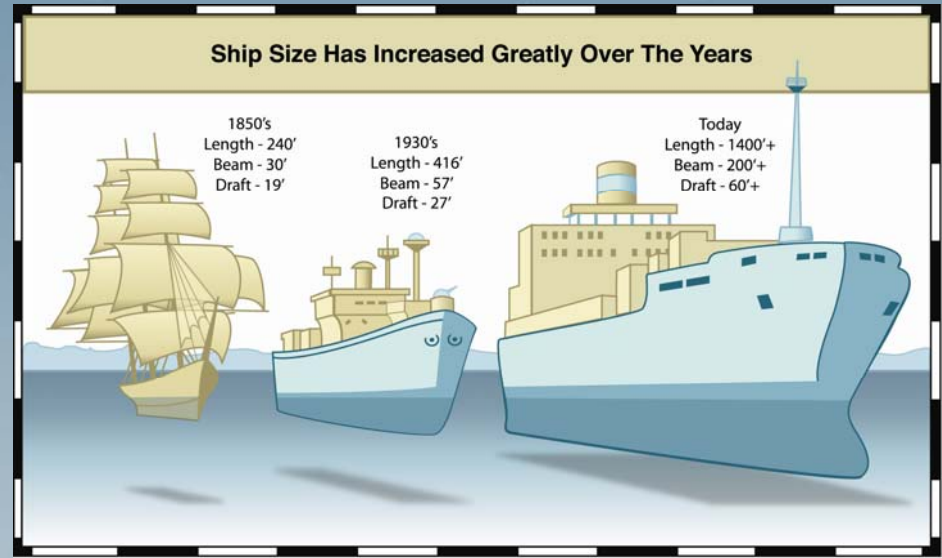


**HSRP MOST WANTED  
HYDROGRAPHIC  
SERVICES IMPROVEMENTS**

*Special Report*



**I. Aggressively**  
**Map the**  
**Nation's**  
**Shorelines and**  
**Navigationally**  
**Significant**  
**Waters**



**NOAA's Resources  $\neq$  MTS Growth**

**NOAA should  
aggressively survey and map the  
500,000 SNM of navigationally  
significant areas and 95,000 miles  
of shoreline by:**



# Expanding NOAA's in-house and contract survey capabilities to acquire and process more hydrographic and shoreline mapping data;

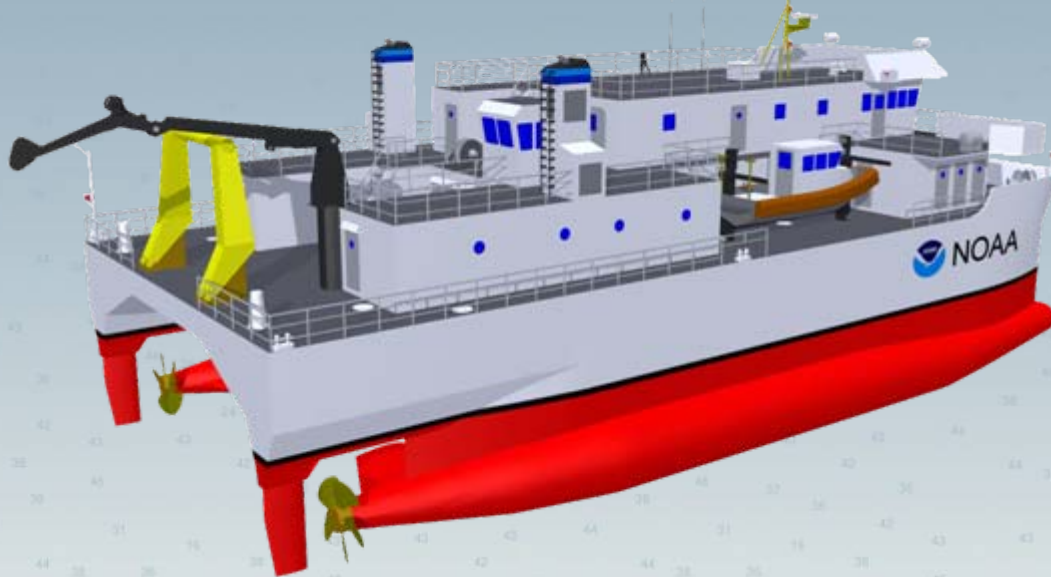




# Developing and implementing more efficient surveying, mapping, and processing techniques and technologies; and...



**Replacing aging single-purpose hydrographic ships with modern, multi-purpose vessels to further maximize the use and reach of NOAA resources**



**II. Integrate Coastal Mapping Efforts and Ensure Federally Maintained Channels, Approaches and Anchorages are Surveyed to the Highest Standard**

**Data Integration = Conserved Resources, Minimized Data Duplication and Inconsistency, and Maximized Return on Taxpayer Investments**



**NOAA should take  
a larger role in improving  
partnerships with other Federal and  
State agencies and other  
non-government entities to:**





# Integrate coastal mapping efforts with coordinated mapping plans and tools such as VDatum; and

The screenshot shows the 'Vertical Datum Transformation' software window. It features a menu bar with 'File' and 'Mode'. The main interface includes several input fields and dropdown menus for configuring datum transformations. The 'Latitude' field is set to 27.6071, 'West Longitude' to 82.7636, 'Input Height' to 164.1251, and 'Output Height' to 85.0000. The 'Horiz. Datum' is set to 'NAD 83, WGS, ITRF', 'Input V-Datum' to 'NAD 83 (86)', and 'Output V-Datum' to 'NAVD 88'. There are two rows of radio buttons: the first row has 'Meters' (unselected) and 'Feet' (selected); the second row has 'Height' (unselected) and 'Soundings' (selected). A large 'Convert Vertical Datum' button is located at the bottom left of the window.

Field	Value
Latitude	27.6071
West Longitude	82.7636
Input Height	164.1251
Output Height	85.0000
Horiz. Datum	NAD 83, WGS, ITRF
Input V-Datum	NAD 83 (86)
Output V-Datum	NAVD 88

Meters     Feet  
 Height     Soundings

Convert Vertical Datum

**Ensure that the Nation's federally-maintained channels, approaches, and anchorages are surveyed with full bottom coverage technologies**



USCG Photos by PA1 Danielle DeMarino

**III. Modernize Heights and  
Implement Real-Time Water  
Level and Current Observing  
Systems in all Major Commercial  
Ports**

**NOAA's Navigation Services =  
Critical Components in an  
Integrated Ocean Observing System  
(IOOS)**

**NOAA should  
expand and fund real-  
time water level  
and current observations  
such as  
PORTS<sup>®</sup>, in  
commercial ports.....**





**And, improve positioning for heights nationwide as critical components of the Integrated Ocean Observing System (IOOS)**





# IV. Strengthen

NOAA's

Navigation

Services

Emergency

Response and

Recovery

Capabilities



**NOAA's Capacity for Emergency  
Response and Recovery < National  
Needs**



**NOAA should seek  
adequate recognition and funding for  
NOAA-essential support functions within  
the Federal capacity to respond to all-  
hazard crises.**



**V. Disseminate NOAA's**  
**Hydrographic Services Data and**  
**Products to Achieve Greatest**  
**Public Benefit**

**NOAA's Navigation Data Delivery  
= Safe Navigation and Other Uses**



**NOAA should expand  
efforts to deliver its navigation  
products and services more quickly...**





**...and increase outreach to make navigation and non-navigation users more aware of the NOAA mapping and data resources available to them.**

