## **U.S. Coast Guard Navigation Center**





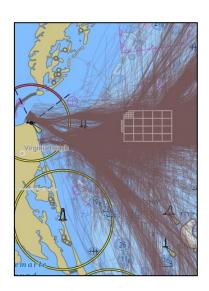
U.S. Department of Homeland Security **United States Coast Guard** 

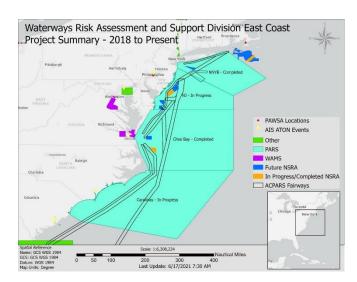


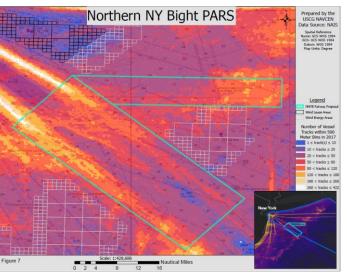


# **U.S. Coast Guard Navigation Center**

Develop products and deliver services that enable a data-driven approach to assessing operational risk in waterways management.









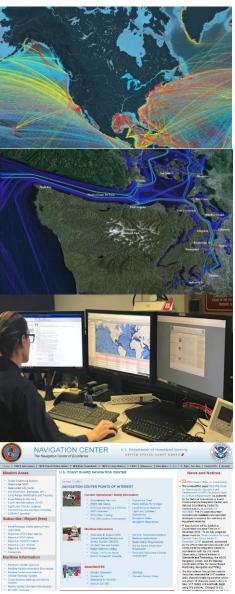




### **NAVCEN Organization**

- **Waterways Risk Assessment and Support Division**
- **Maritime Traffic and Tracking Analysis Division**
- **Navigation Information Service** and GPS Interface Division
- **Maritime Safety Information Distribution Division**



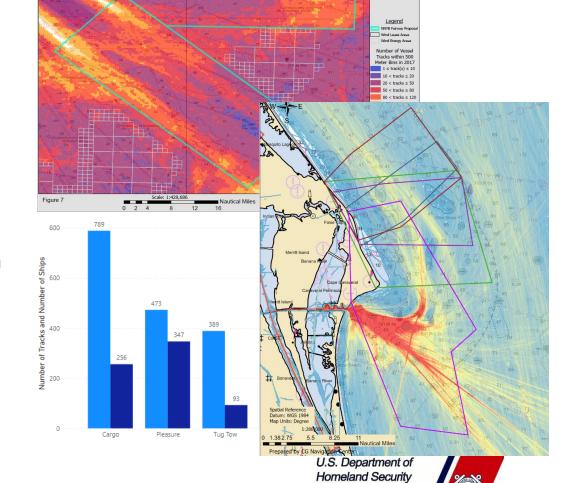






#### **Data Driven Decisions**

- Waterways Utilization Studies
  - Port Access Route Study (PARS)
  - Ports and Waterways Safety
     Assessment (PAWSA)
  - Waterways AnalysisManagement System (WAMS)
- Adaptable Waterway Analysis
  - Commercial Space Operations
  - 5P Brief to White House Clean Energy Advisor
  - Great Lakes Ice Breaking
  - Field support for OGA coordination



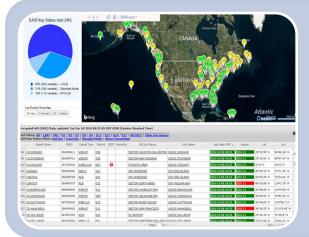
United States

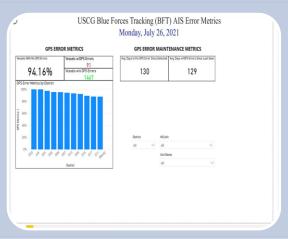
Northern NY Bight PARS





### **Maritime Traffic & Tracking Analysis Division**







AIS Compliance & Enforcement

Commercial Blue Forces

**AIS Data Analysis** 

Data quality

Database

development

Analytical insights

AIS Data Distribution

Historical Data
Sharing
Live Data Feeds



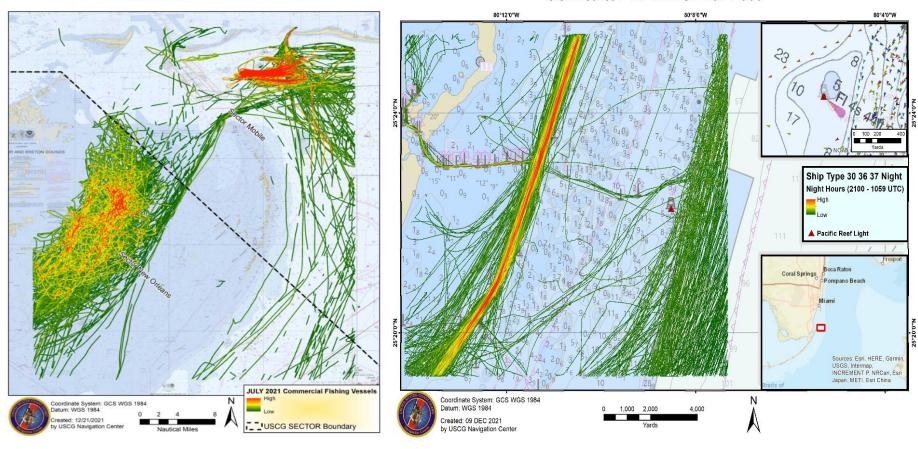




### **Supporting USCG Field Operations**

CG Sector New Orleans HIST 2021-365

CG District 7 DPW HIST 2021-359

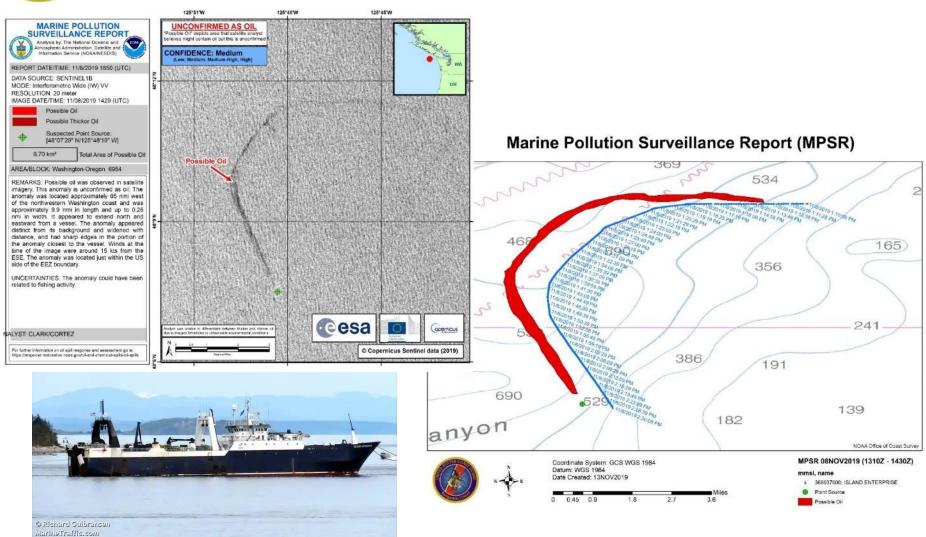








#### **Marine Environmental Protection & LMR**

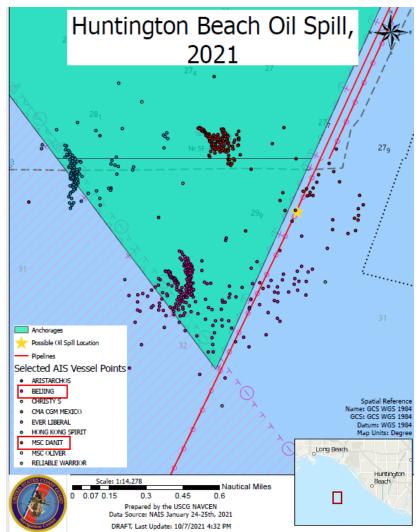


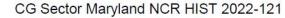


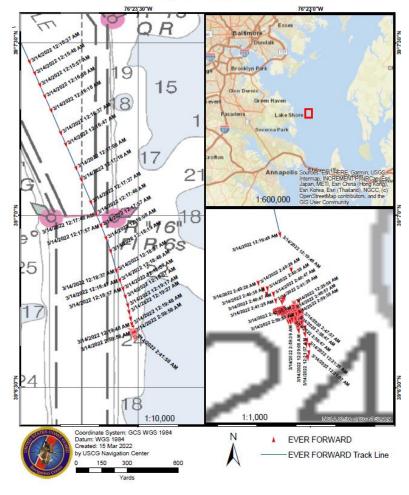




### **Casualty Investigations**





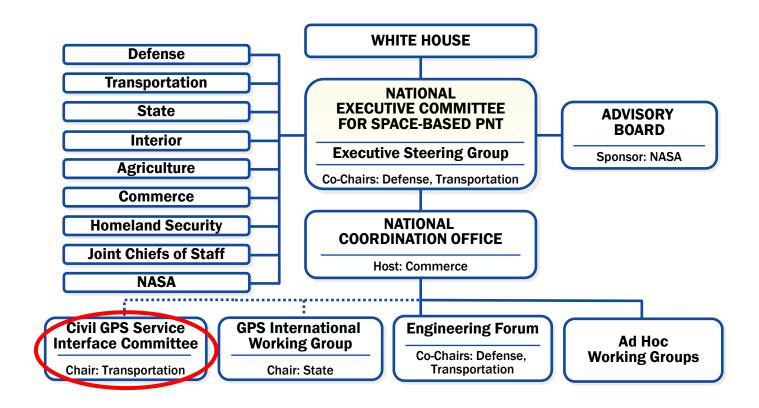








### **U.S. Space-Based PNT Organization Structure**





### **The GPS Triad**

**Joint GPS User Support Service** 





(surface)









Homeland

Security

### **CRUCIBLE P5 OPCEN Group**

**U.S. Strategic Command North American Aerospace Defense USAF** (STRATCOM) **Command (NORAD) GWCC Joint Spectrum Center (JSC) Purposeful Interference** (military) **Resolution Team (PIRT)** U.S. Northern Command (NORTHCOM) **USCG** DOT **NAVCEN FAA NASEO** (surface) (airspace) **Federal Communication National Telecommunications and Information Administration (NTIA) Commission (FCC) National Coordinating Center Federal Bureau of Investigation** for Telecommunications (NCC) (FBI) DHS **FCC** CISA (spectrum) (critical infrastructure)



# **Questions?**



