## **Nationwide DGPS (NDGPS)**

#### **Project Status**

August 14, 2012













## NAVCEN Mission Statement

NAVCEN provides maritime navigation and information services that enhance the safety, security, and efficiency of U.S. waterways.

#### These services include:

- providing nationwide GPS augmentation signals,
- tracking vessel movements for enhanced situational awareness,
- publishing maritime advisories and related navigation information,
- managing the Coast Guard's electronic chart portfolio,
- receiving and coordinating investigation of GPS outage reports.

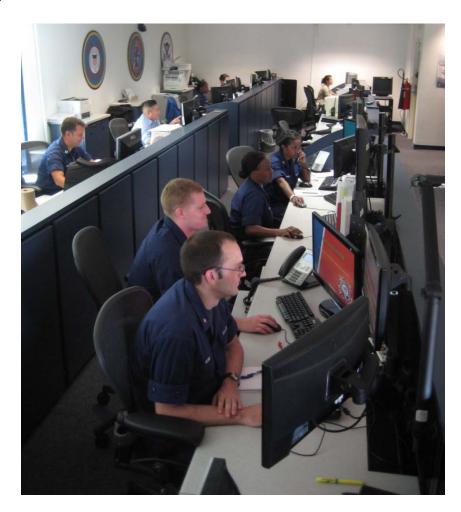




## Maritime Information Operations Center

#### 24/7 Operation of the following:

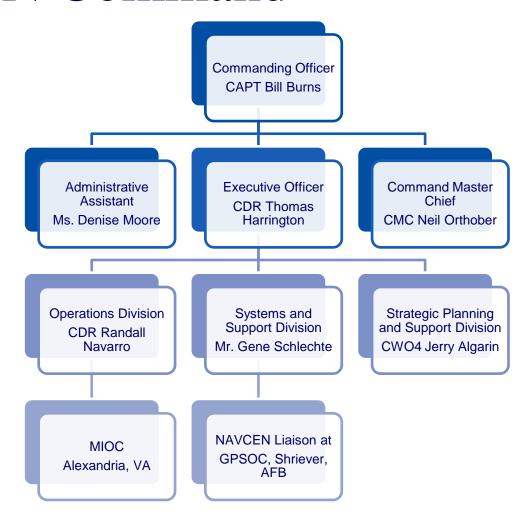
- Web based Information Services
- Navigation Information Service
- GPS Civil Interface
- DGPS Monitor & Control
- Nationwide Automatic
  Information System
- Long Range Identification & Tracking (LRIT) Business Help Desk.





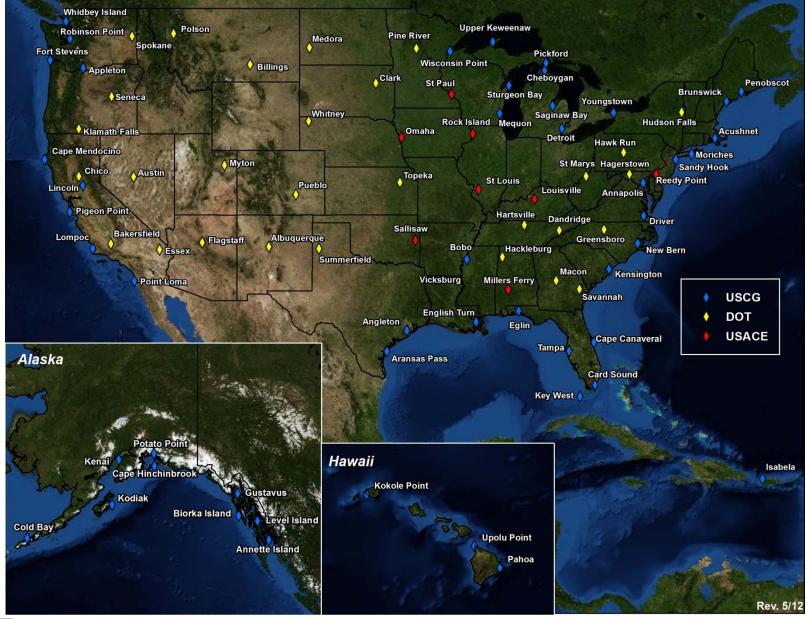


## **NAVCEN Command**













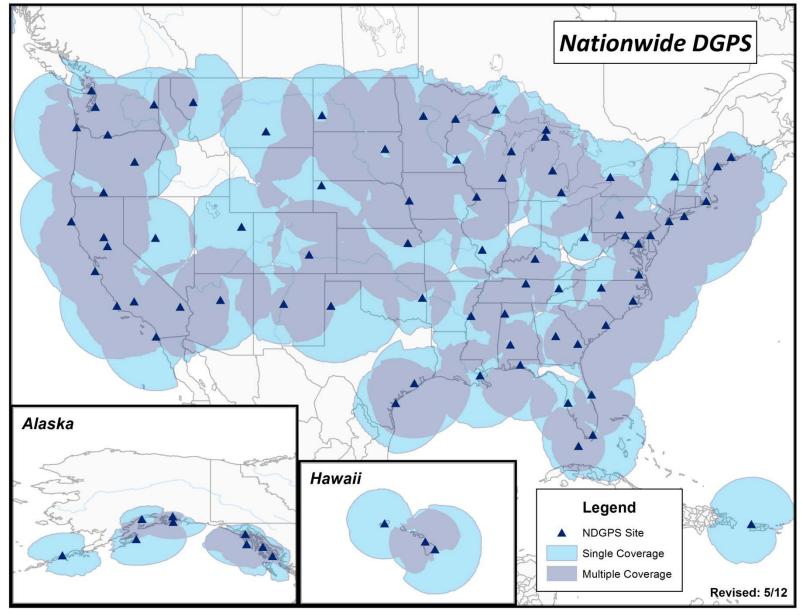
# NDGPS Site Layout















## NDGPS Site Fort Stevens

#### Coverage Planning & Verification







## Maritime DGPS Recap/Upgrades





- NAUTEL Transmitter Installation.
- Includes all Coastal and Inland River sites.
- Replaces SAC Transmitter



#### **EC-03**

- Commercial Off-The-Shelf (COTS) equipment.
- Ethernet based with remote troubleshooting capability.
- Replaced Trimble CEPY-4000IM Integrity Monitor and Ashtech CFDP-Z-12-R with Trimble NETRS receivers.
- Completed at all Coastal and Inland River sites.

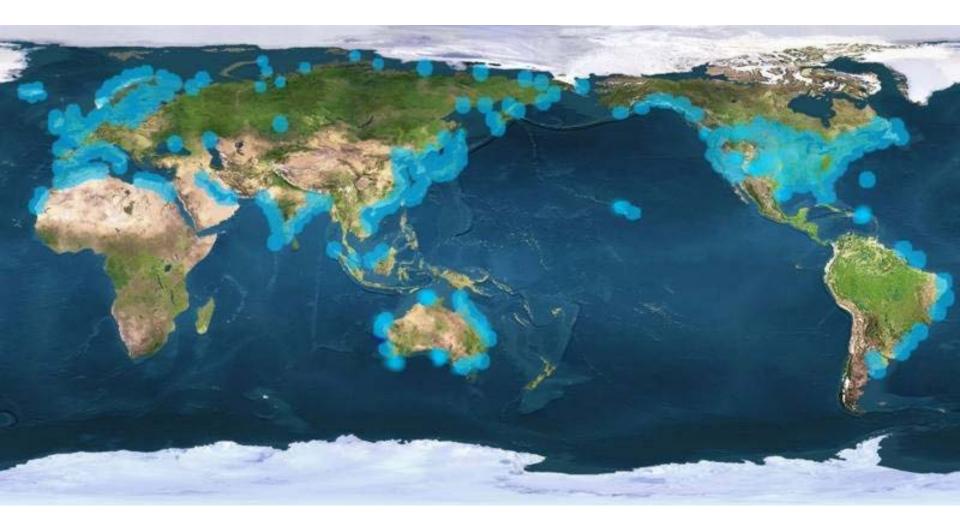








# World DGPS Coverage







## NAVCEN Website

www.navcen.uscg.gov







# DGPS Outage







## **Contact Information**

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# Homeland Security