Nationwide DGPS (NDGPS)

Project Status
August 14, 2012
Outline

• NAVCEN Overview
• NDGPS Site Layout
• NDGPS Coverage
• NDGPS Site Upgrades
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.
NDGPS Site Layout
Nationwide DGPS

Legend
- NDGPS Site
- Single Coverage
- Multiple Coverage

Revised: 5/12
NDGPS Site Fort Stevens
Coverage Planning & Verification
Maritime DGPS Recap/Upgrades

- **TCTO-TE2000**
  - 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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