

Nationwide DGPS Project Status



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**United States
Coast Guard**



NAVCEN Mission Statement

The Coast Guard Navigation Center promotes safe, secure, and efficient transportation on United States' waterways by providing:

- Operational and technical support for electronic navigation systems
- Quality positioning, navigation and timing signals
LORAN NDGPS DGPS NAIS
- Accurate and timely waterways information services.



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Maritime Information Operations Center

24/7 Operation of the following:

- Web based Information Services.
- Navigation Information Service.
- GPS Civil Interface.
- DGPS Monitor & Control.
- LORAN Monitor & Control.
- Inland River Vessel Movement Center.
- Nationwide Automatic Information System.



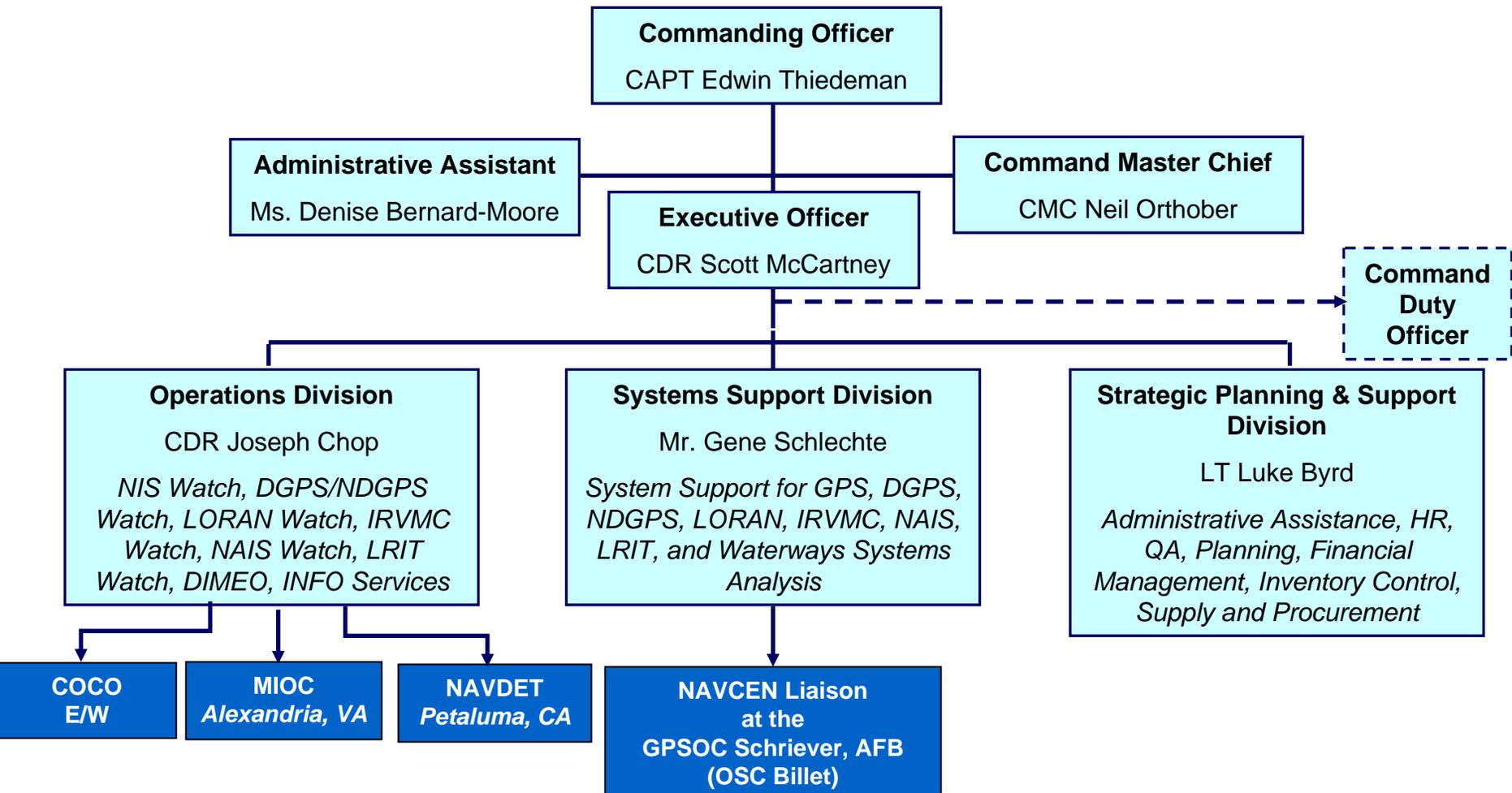
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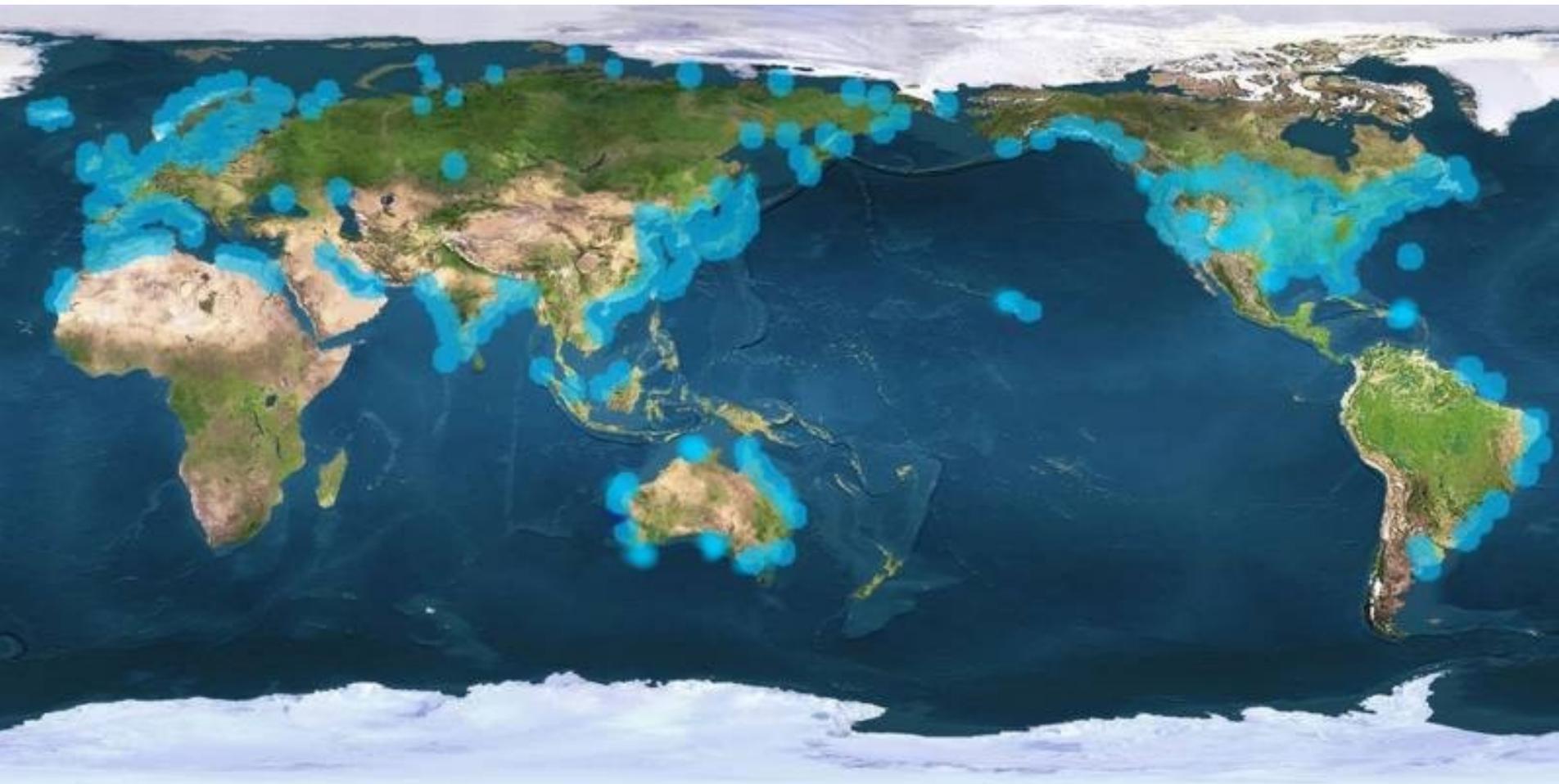
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Command Overview



Worldwide DGPS Coverage

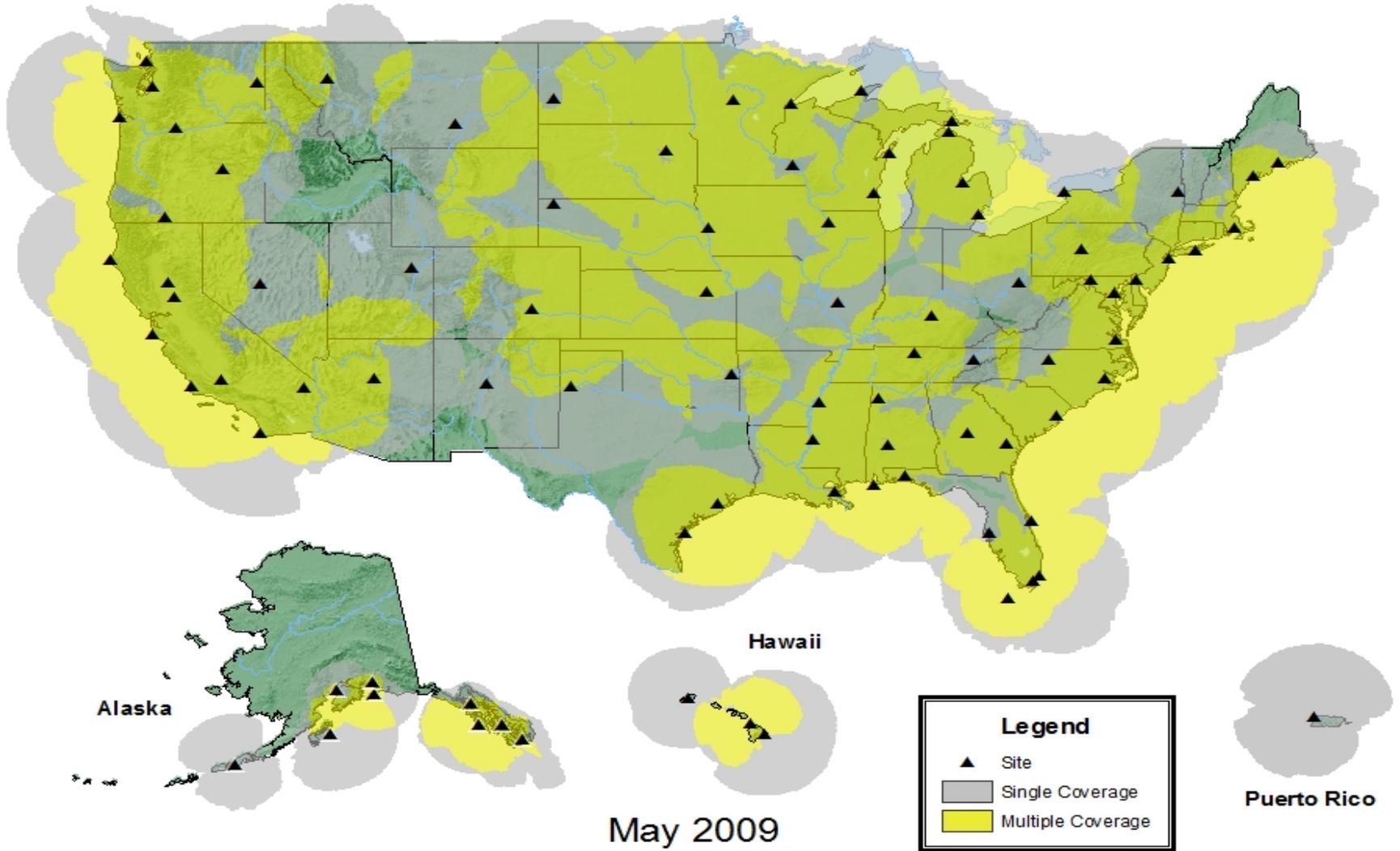


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Nationwide DGPS Coverage



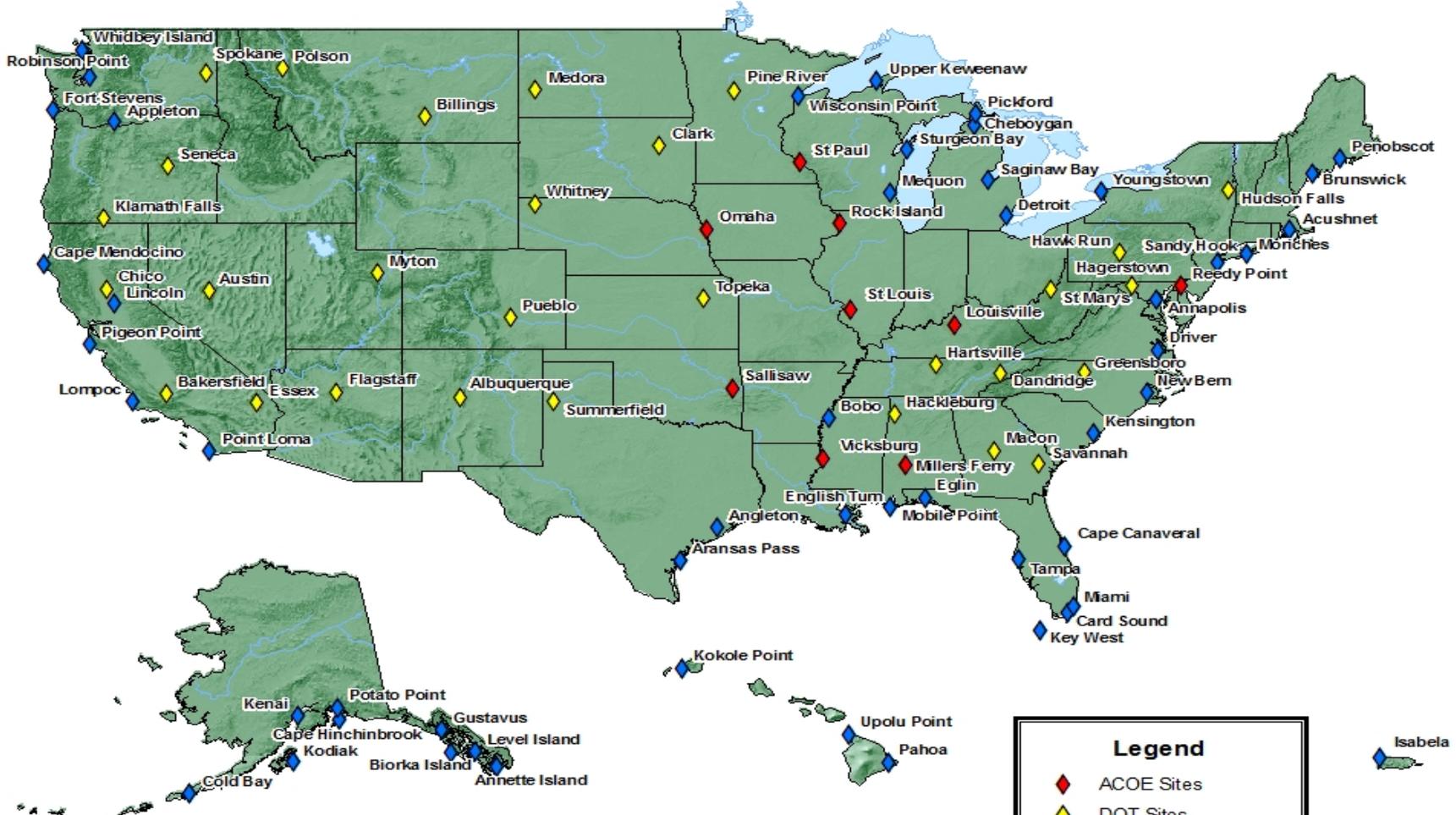
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Nationwide DGPS



May 2009



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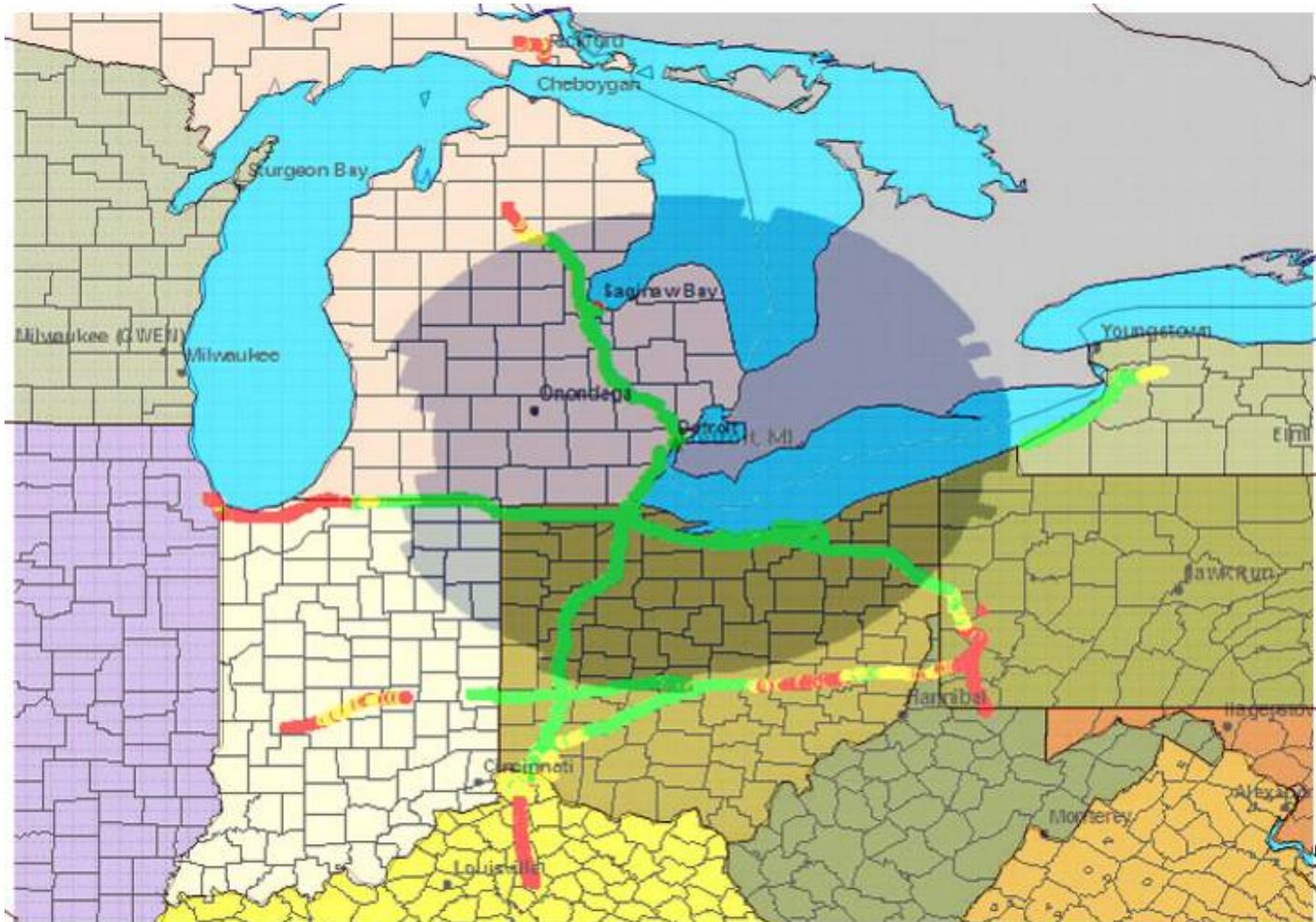
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Nationwide DGPS

Coverage Planning & Verification



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DOT DGPS Project Status Report



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■ Prepping a Site

- Finding Candidate Property
- Conduct A Site Assessment
- Completion Of An Environmental Site Assessment (FONSI)
- Completion Of A Real Property Survey
- Completion Of The Installation Design Plan



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Nationwide Single Coverage Goal

Initial Operational Capability (IOC) goal is 99% of continental United States with single coverage.

Currently, 7 sites are still needed to achieve IOC.

All advance preparation work has been finished or in progress for the remaining 7 sites.

- Bliss, ID (New Build)
- Tucson, AZ (New Build)
- Carlsbad, NM (New Build)
- Sage Junction, ID (New Build)
- Marshall, TX (New Build)
- Big Lake, TX (New Build)
- Patten, ME (New Build)



NDGPS Construction Status

FUNDED SITE PREPS.

Site Name	Property Located	Site Assessment	Real Property Survey	Environmental Investigation	Installation Design Plan	Property Use Agreement
Tucson, AZ	Complete	Complete	Complete	Complete	Awaiting Bore Samples and Eng Approval	Complete within 15 days
Carlsbad, NM	Complete	Complete	Complete	Complete	Complete	Complete
Marshall, TX	Complete	Complete	Complete	Complete	Complete	RP Instrument pending w/TX GLO
Bliss, ID	Complete	Complete	Complete	Public Meeting 28 July 09	Complete	SF299 RP In Progress
Sage Junction, ID	Complete	Complete	Complete	Public Meeting 27 July 09	Complete	Complete within 60 days
Big Lake, TX	Complete	Complete	Complete	Complete	Complete	RP Instrument pending
Patten, ME	Complete	Complete	Complete	Complete	Awaiting Bore Samples and Eng Approval	Complete



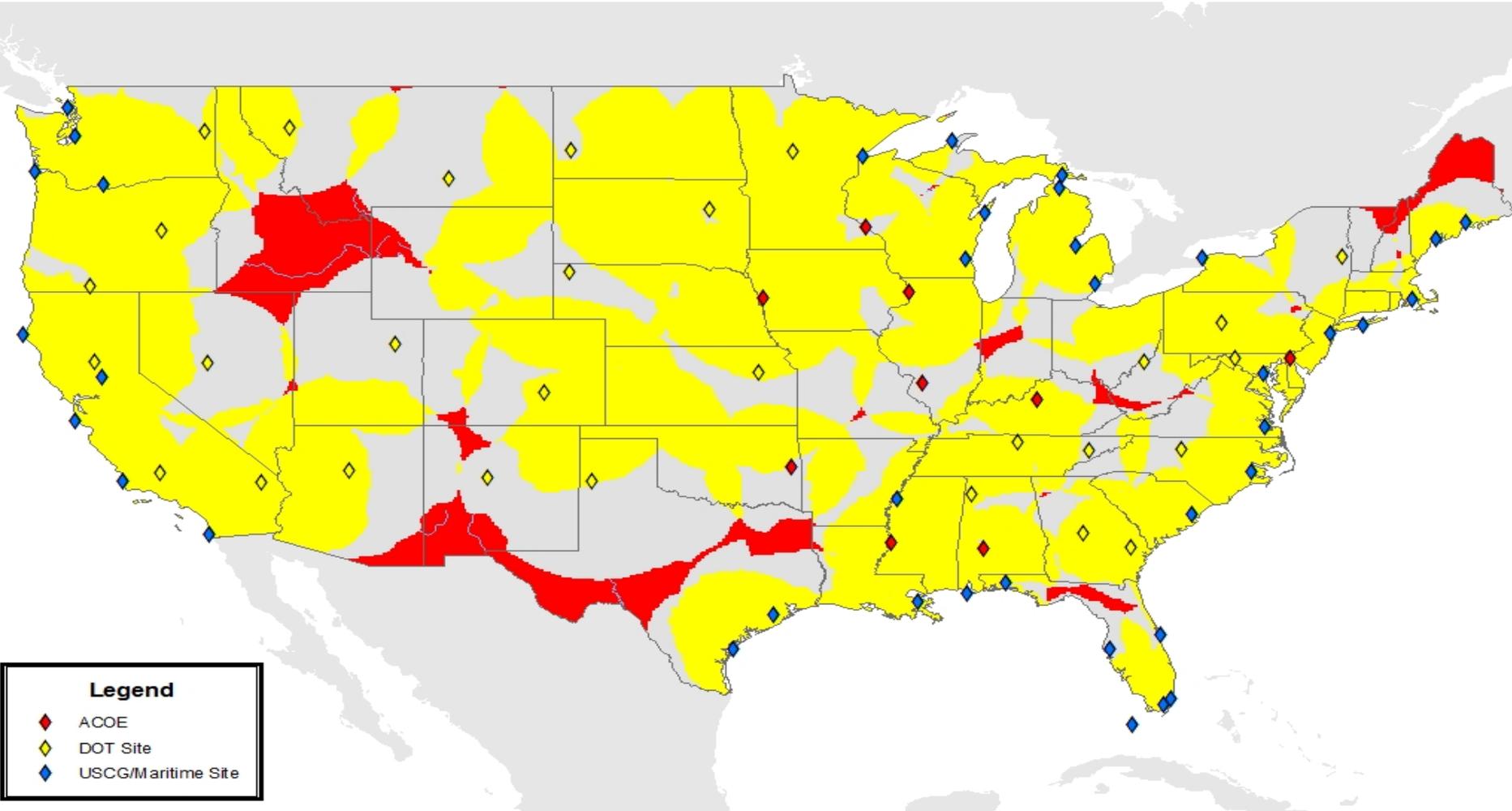
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Current Coverage Status



Legend

- Red Diamond: ACOE
- Yellow Diamond: DOT Site
- Blue Diamond: USCG/Maritime Site



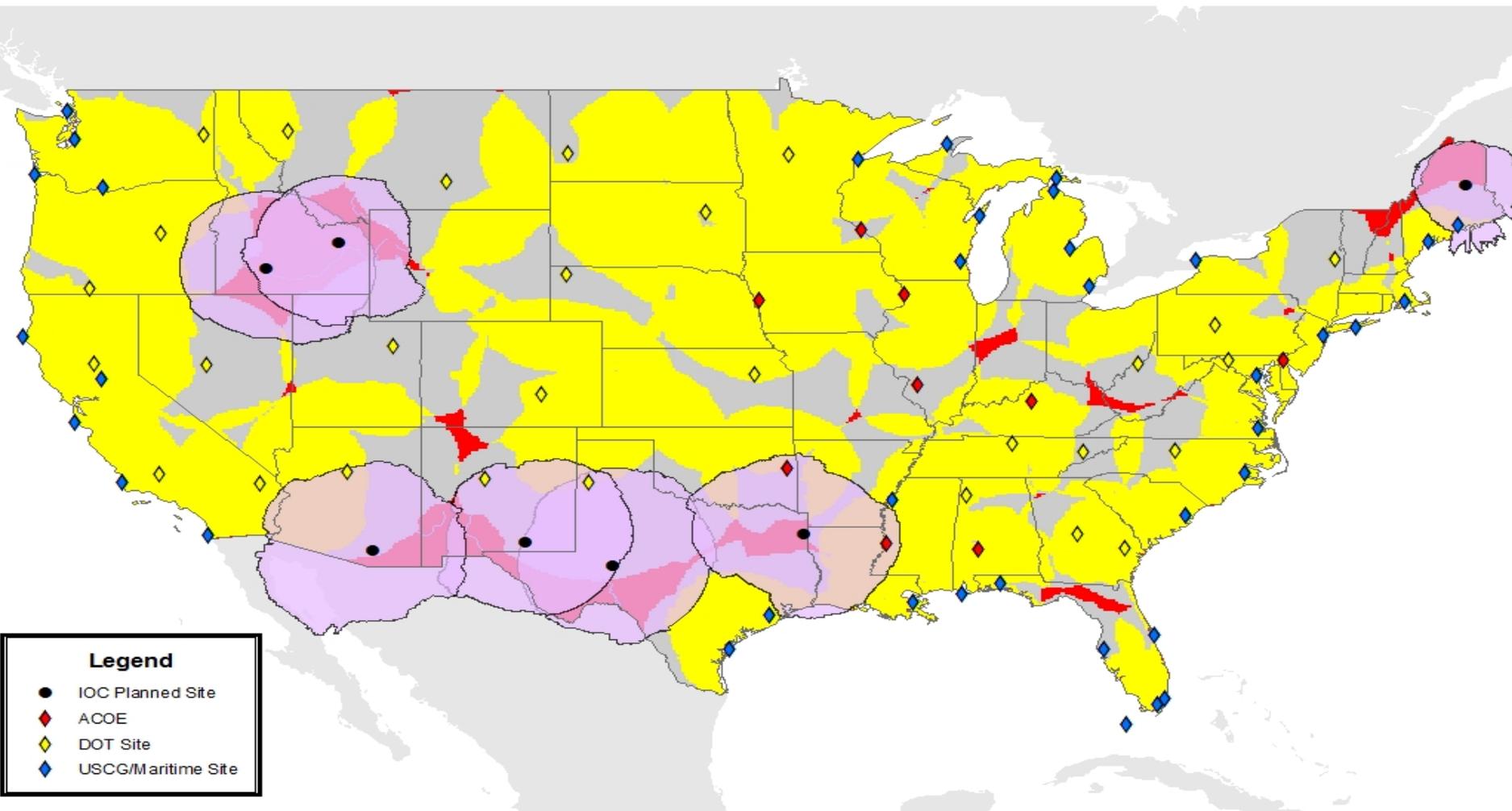
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Effect of 7 IOC Sites On Coverage



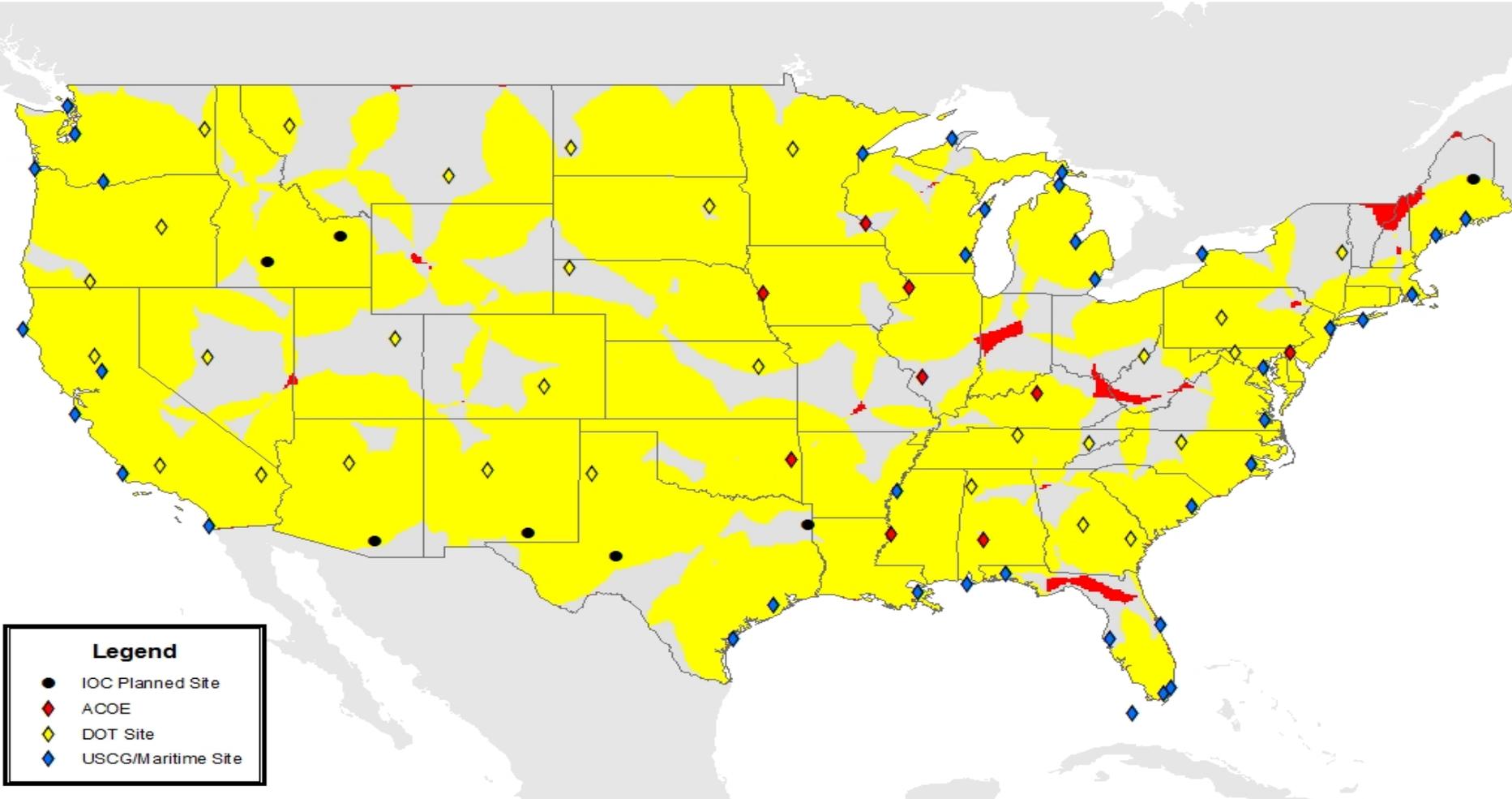
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Effect of 7 IOC Sites On Coverage



Legend

- IOC Planned Site
- ◆ ACOE
- ◆ DOT Site
- ◆ USC/Maritime Site



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NAVIGATION CENTER
The Navigation Center of Excellence

U.S. Department of Homeland Security
UNITED STATES COAST GUARD

Consolidated Nav Info | DGPS Advisories | GPS Advisories / NANUs | GPS Interference Notices | LNMs | Almanacs | Nav Rules | AIS | Contact Us | Search | Home

Primary Mission Areas:

- Global Positioning System
- Differential GPS
- Nationwide DGPS
- LORAN C
- Inland River Vessel Movement Center
- Civil GPS Service Interface Committee
- Automatic Identification System
- Electronic Navigation & Charting
- Maritime Telecommunications

Services & Reporting:

- Receive Free LNM Updates
- Receive Free GPS Status Messages
- Receive NANU Updates
- Join CGSIC (free)
- Report an ATON Discrepancy or Outage
- Report a GPS Problem
- Report a DGPS Problem
- Report an AIS Problem
- Report a LORAN Problem
- Contact Us

January 15, 2008

NAVIGATION CENTER POINTS OF INTEREST

Current Operational / Safety Information

- Consolidated Nav Info
- DGPS Site Status
- GPS Ops Advisories & NANUs
- GPS Almanacs
- GPS Interference Notices
- Local Notice to Mariners
- Light List and Corrections
- Navigation Rules
- Navigation Regulations
- Navigation Safety Alerts

Maritime Information

- USCG "Homeport" Website
- Vessel Traffic Services
- Global Maritime Distress and Safety System
- CG Nat'l Distress System
- Digital Selective Calling
- Vessel Traffic Services
- VHF Channels & Freqs
- MF & HF Channels
- Nav Pubs and Documents
- Radio Watch Requirements
- Marine Safety Information Broadcasts
- Ports and Waterways Safety System

More About NAVCEN

- Mission Statement
- Contact Us
- Directions to NAVCEN
- Search Our Site
- Site Map
- Website Privacy Policy

News and Notices:

- The 2007 Light Lists have been published and are available for download in PDF.
- The final agenda and presentations for the 47th CGSIC meeting (24, 25 Sept) are now available (PDF, 95K).
- Please read Coast Guard Marine Safety Alert 2-07 (PDF, 85K) regarding marine radios and AIS equipment.
- The Department of Transportation (Research and Innovative Technology Administration) and the U.S. Coast Guard request your comments regarding need to continue to operate the inland component of the Nationwide Differential Global Positioning System (NDGPS) Program. Please read our introductory page and the notice and submit your comments to the Docket Management Website. Use docket number 28836.
- The U.S. Air Force has released a media announcement concerning the transition from the legacy GPS Master Control Station (MSC) to a new GPS ground segment control system called "Architecture Evolution Plan" (AEP). You may read it here.
- You may view previous news items here.

The primary means of information dissemination used by the NIS is the NAVCEN Website. It is the focal point of all NAVCEN data regarding GPS, DGPS LORAN, NAV Rules, NAIS, LRIT, IRVMC and much more.



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Differential GPS (DGPS)

- DGPS Site Status Info
- Canadian DGPS Status Info
- U.S. DGPS Coverage Plots
- Report a DGPS Problem
- Frequently Asked Questions
- Reference Information

Primary Mission Areas:

- Global Positioning System
- Differential GPS
- Nationwide DGPS
- LORAN C
- Inland River Vessel Movement Center
- Long Range Identification and Tracking
- Civil GPS Service Interface Committee
- Automatic Identification System
- Electronic Navigation & Charting
- Maritime Telecommunications

Maritime Information:

- USCG "Homeport" Website
- Vessel Traffic Services
- Global Maritime Distress and Safety

DGPS REPORT-A-PROBLEM WORKSHEET

The Navigation Center appreciates your reports regarding service [degradations](#), [outages](#), or [other incidents or anomalies](#). Please answer the questions below. Some fields are required for submission, but all personal data will be kept private and will only be used to contact you in the event that we need more information or if clarification is required. Please be as complete as possible when reporting an incident. Thank you!

Privacy Information: The privacy of our customers has always been of the utmost importance to the Navigation Center. We have a long history of protecting your privacy and our concern for your privacy is no different in the electronic age. Our Internet privacy policy is:

- You do not have to give us personal information to visit our site.
- We will collect personally identifiable information (name, email address, telephone number) only if specifically and knowingly provided by you.
- Information is collected for informational purposes only and NAVCEN personnel sometimes will contact individuals for further information.
- We do not give, sell or transfer any personal information to third party.

* Denotes a required field

* Your Name:	<input type="text"/>
* Email Address:	<input type="text"/>
* Telephone number: (use 10 digits only, i.e. 7033135900)	<input type="text"/>

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Trusted sites



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