



# U.S. Coast Guard Sector Detroit

NOAA Hydrographic Services Review Panel

24 September 2024



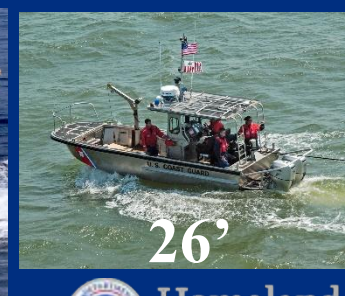


# Area of Responsibility



- Eight Multi-Mission Stations
- One Marine Safety Unit (Toledo)
- Two Aids to Navigation Teams
- 430 nautical miles of Int'l Border
- All 11 USCG Missions

- 81 MTSA regulated facilities
- 45 MTSA regulated vessels
- 15 bulk oil facilities
- 12 mobile transfer facilities
- 26 waterfront cargo facilities
- 2 Nuclear Power Plants







# Waterways Management

## Marine Events

- Oversight of 400 marine events annually
  - Detroit Fireworks
  - Hydrofest
  - St. Clair Classic
  - Port Huron to Mac Race
- Coordination with Canadian partners and numerous agencies/industry stakeholders



## ATON

- USCG maintains about 1,700 aids in the Great Lakes with 1,210 being seasonal (requiring servicing or replacement during Fall/Spring).
- Locally ANT Detroit & ANT Saginaw River maintain 325 aids with 235 being seasonal.
- USCGC BRISTOL BAY and USCGC SEQUOIA assist with larger aids in Sector Detroit COTP Zone.

## Unique Waterway Usage

- Increasing employment of Unmanned Maritime Systems





# MTS Facilitation

## Operation Coal Shovel

- Lakes Ontario, Erie, St. Clair, Southern half of Lake Huron and rivers in between.
- December 15 – March 15
- International cooperation with Canadian Coast Guard
- Key Players:
  - **USCGC BRISTOL BAY**
  - **USCGC NEAH BAY**
  - **USCGC MORRO BAY**
  - **USCGC SEQUOIA**
  - **USCGC MACKINAW**
  - **CCGS SAMUEL RISLEY**
  - **CCGS GRIFFON**
- Primary Objectives: (1) SAR/Urgent Response to Vessels, (2) Flood Mitigation/Ferry Relief and (3) Facilitation of Navigation





# Partnerships

## Coordinate with:

- Federal, State, Local
- Canadian
- Industry Stakeholders

## Crucial for:

- Marine Casualty/Emergency Response
- Search and Rescue
- Winter Navigation (OP Coal Shovel)
- ATON Spring Restore/Fall Retrieve
  - Coordination with LPA (single/dual pilotage)
- Buoy Storage
  - Aids to navigation are strategically stored across the Great Lakes to include non-USCG locations.





# Marine Sanctuaries

## Great Lakes National Marine Sanctuaries

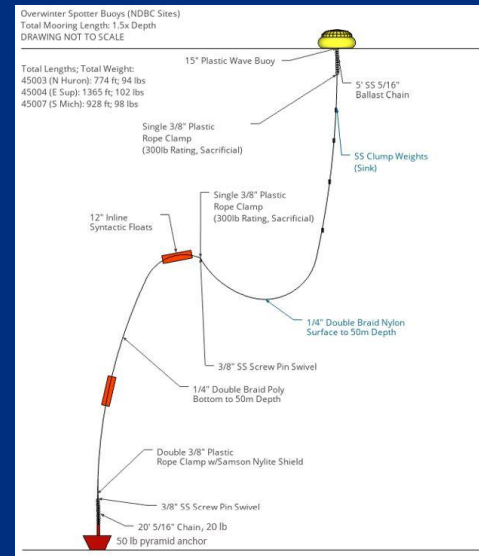
- Wisconsin Shipwreck Coast
- Thunder Bay
- Lake Ontario (as of 2024)
- Lake Erie Quadrangle (Proposed)

## Wisconsin Shipwreck Coast National Marine Sanctuary

- USCGC SPAR recently placed 19 moorings over 9 day period.

## Weather Buoy Placement

- Winter of 2023, assisted NOAA with first ever placement of winter weather buoys in Lakes Michigan and Superior.
- Yearly support of seasonal NOAA weather buoy placement and retrieval across the Great Lakes.







# NOAA Products & Services

## Weather Monitoring

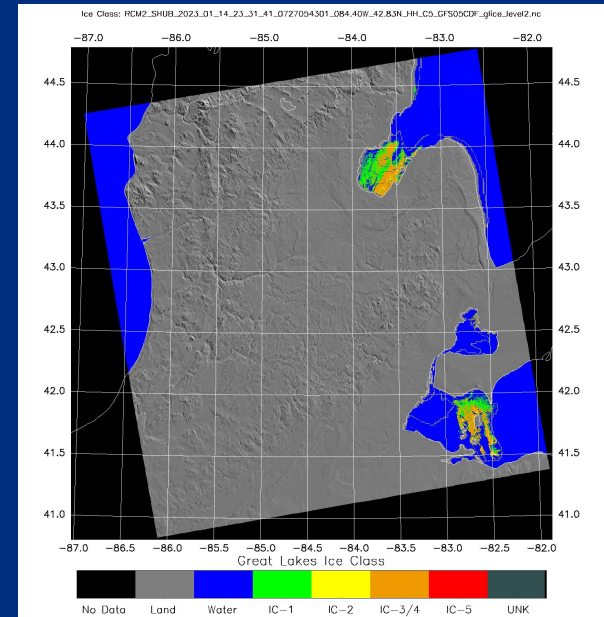
- Weather Support Briefings for large scale events supports effective planning
- Small Craft Advisories

## Ice Products/USNIC Integration

- Supports Operation Coal Shovel mission planning with accurate ice concentration and thickness
- Aids in assessing seasonal safety zones in Saginaw Bay and the Erie Islands
- NOAA CoastWatch supplies historical data and ice classification reports

## Navigational Charts

- SAROPS integration of raster and electronic charts
- Afloat Operational Planning
- Precision determination for placement of safety and security zones
- Marine event oversight and approval





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