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 Analysis Management 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
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

JULY 2021 Commercial Fishing Vessels
High
Low

CG District 7 DPW HIST 2021-359

Coordinate System: SCS WGS 1984
Datum: WGS 1984
Created: 09 DEC 2021
by USCG Navigation Center

Ship Type 30 36 37 Night
Night Hours (2100 - 1059 UTC)

High
Low
Pacific Reef Light

Source: Epi, HERE, Garmin
USGS, Intermap
NOAA/NAO, ESRI
Japan, METI, Esl China
Marine Environmental Protection & LMR

Marine Pollution Surveillance Report (MPSR)

Possible Oil

Possible Thicker Oil

Suspected Point Source:
[48.07729N/128.48989W]

6.70 nm
Total Area of Possible Oil

AREA/LOC: Washington-Oregon 6954

REMARKS:
Possible oil was observed in satellite imagery. This anomaly is unconfirmed as oil. The anomaly was located approximately 65 nm east of the northwestern Washington coast and was approximately 9.5 nm in length and up to 0.25 nm in width. It appeared to originate from and extend from a vessel. The anomaly appeared distinct from its background and extended with distance, and had sharp edges in the portion of the anomaly closest to the vessel. Vessel in the area at the time of the image were around 15 ka from the EEE. The anomaly was located just within the US side of the EEE boundary.

UNCERTAINTIES:
The anomaly could have been related to fishing activity.

ANALYST CLARK/CORTEZ

For further information click to view and see more at:
https://noaa.gov/monitoring-and-response marine-traffic

Homeland Security
U.S. Department of Homeland Security
United States Coast Guard
Casualty Investigations

Huntington Beach Oil Spill, 2021

CG Sector Maryland NCR HIST 2022-121
U.S. Space-Based PNT Organization Structure

- **WHITE HOUSE**
  - Executive Steering Group
    - Co-Chairs: Defense, Transportation

- **NATIONAL EXECUTIVE COMMITTEE FOR SPACE-BASED PNT**
  - Host: Commerce

- **NATIONAL COORDINATION OFFICE**
  - Host: Commerce

- **ADVISORY BOARD**
  - Sponsor: NASA

- **Civil GPS Service Interface Committee**
  - Chair: Transportation

- **GPS International Working Group**
  - Chair: State

- **Engineering Forum**
  - Co-Chairs: Defense, Transportation

- **Ad Hoc Working Groups**

- **Departments and Agencies**
  - Defense
  - Transportation
  - State
  - Interior
  - Agriculture
  - Commerce
  - Homeland Security
  - Joint Chiefs of Staff
  - NASA

- **Related Groups**
  - GPS International Working Group
  - Engineering Forum
  - Ad Hoc Working Groups
The GPS Triad
Joint GPS User Support Service

USSF GWCC
(military)

USCG NAVCEN
(surface)

FAA NOCC
(airspace)
Questions?