



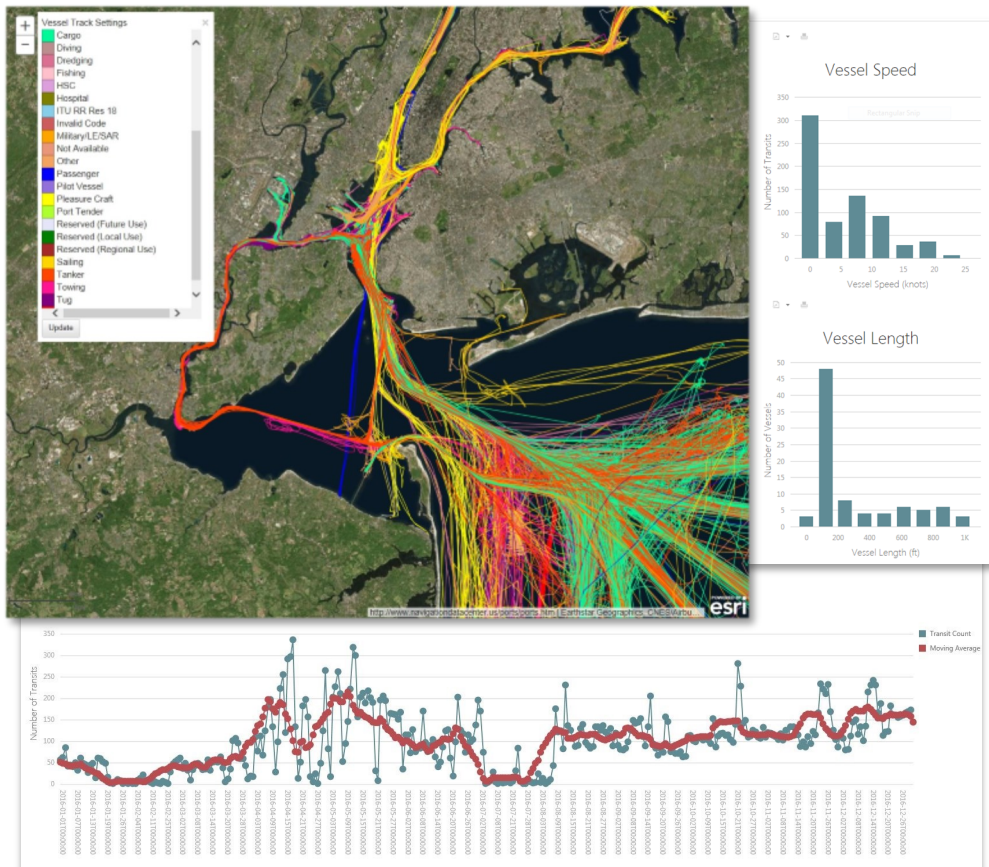
**US Army Corps
of Engineers (R)**

Automatic Identification System Analysis Package

<https://ais-portal.usace.army.mil>

The Automatic Identification System Analysis Package (AISAP) is a web-based tool for acquiring, analyzing, and visualizing near-real-time and archival data from the U.S. Coast Guard. Through AISAP, USACE personnel can search for any/all vessels in a area during a specific time, or limit their search to specific vessels during a given time range. Archived AIS data include time, speed over ground, direction, vessel draft, beam, length and vessel type information. This tool allows unprecedented access to quantitative, statistically robust measures of navigation project performance through time as reflected in vessel records.

Data can be visualized in multiple ways



Support for a system-wide level of understanding

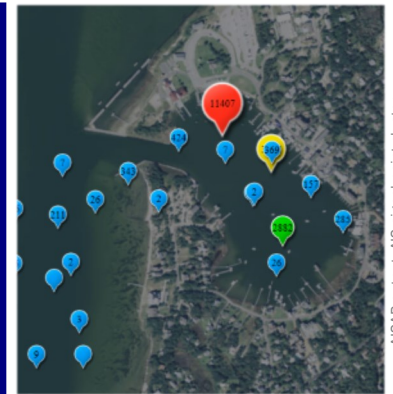
By allowing users to visualize areas as part of a larger navigation network, and navigation as part of a national and international freight system, the AISAP supports informed decision making and optimized prioritization of freight system maintenance resources. The AISAP can be used to investigate questions of historical travel time, capacity limitations, and the effects of weather or accidents on the flow of freight through waterways.

The AIS-Analysis Package was developed with input from:

- *USACE Engineer Research and Development Center (ERDC)*
Coastal and Hydraulics Laboratory (Navigation Systems Program)
Information Technology Laboratory; Spatial Data Center at Mobile
- *U.S. Coast Guard*

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AISAP output: AIS signal point cluster.

AISAP Features

Web-accessible (USACE only)

No software download

Utilizes public AIS data

6-second level of detail

User collaboration capability

User-defined search filters

Area

Time range

Vessel speed

Vessel MMSI #

File outputs

KML

CSV

Transit statistics

Visualizations

AIS signal heat maps

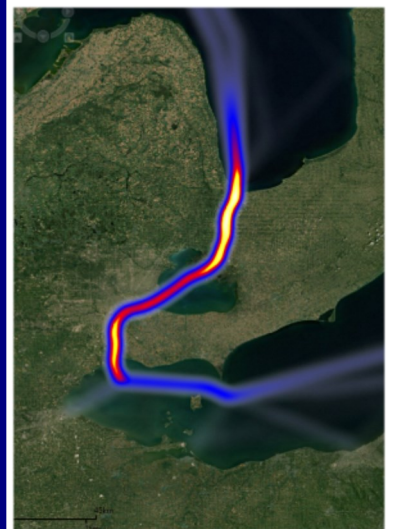
AIS signal cluster maps

Vessel Track Lines

Draft

Speed

Vessel type



AISAP Output: Vessels moving between Lakes Huron & Erie via St. Clair River

