



**Innovative Technologies for a Resilient Marine
Transportation System**

Session 1B Tuesday, June 24, 2014

Shipmoves.org: Great Lakes Maritime Domain Awareness

Gregg Ward
Detroit-Windsor Truck Ferry



Reduce vulnerability to our marine transport system

- Increase in-transit visibility
- Provide uniform data entry template for vessels
- Create an effective standardized entry/exit control mechanism
- Improve tracking and surveillance
- Improve data collection



Great Lakes Shipper Port Call

Select Different Port Call

Chicago, IL

Arriving 2/22/2014 from Escanaba, MI

Departing 2/24/2014 to WINDSOR, ON

[Change Last Port](#) [Refresh Data](#)
[Change Next Port](#)

Itinerary

Document Library ▾

Arrival

Forms

Departure

CBP1300 - Vessel Entrance or Clearance Statement

CBP1302 - Inward Cargo Declaration

CBP1302A - Outward Cargo Declaration

CBP1303 - Ship's Stores Declaration

CBP1304 - Crew's Effects Declaration

CBP3171 - Application-Permit-Special License Unlading-Lading-Overtime Services

CBPI418_Crew - Crew List

CBPI418_Psngr - Passenger List

CBSA_A6 - General Declaration

CBSA_A6a - Freight/Cargo Manifest

CBSA_BSF552 - Crew's Effects Declaration

CBSA_E1 - Ship Stores Declaration

Clear All

+ Upload Scanned Document

+ Add Selected Documents

Documents In Progress

Package

Documents In Progress

Package

CBP1300

CBP1300

CBP1303

CBP1302A

CBP1304

CBP3171

CBSA_A6

Completed Arrival Packages

Completed Departure Packages

No packages.

No packages.

Crew & Passengers

Cargo

eNOAD

Fillings



ViewPort

search...

Stream Notifications

CB **KAYE E BARKER** exiting Rouge Shortcut
10 minutes ago
Follow Comment

CB **ALGOLAKE** entered the Welland Canal at Lake Erie
30 minutes ago
Follow Comment

CB **PRESQUE ISLE** passed Copper Harbor upbound
30 minutes ago
Follow Comment

CB **H LEE WHITE** entered Soo Locks downbound
38 minutes ago
Follow Comment

CB **LEE A TREGURTHA** entered Detroit at Lake St. Clair
41 minutes ago

06/21/2014 20:15:03

KAYE E BARKER exiting Rouge Shortcut

An aerial satellite-style map of a waterway, likely the Rouge River. A red cargo ship is visible in the water. A rainbow is visible in the sky above the ship. A blue location pin is placed on the map near the ship. A dashed white line indicates a path or route. A small inset window shows a close-up of the ship and rainbow.

ShipMoves™

ALGOEAST Tanker
Speed: 11 MPH
Course: 235.3
1 minute ago

PRESQUE ISLE Cargo Ship
Speed: 12.5 MPH
Course: 177
2 minutes ago

JOHN D LEITCH Cargo Ship
Speed: 9.2 MPH
Course: 15.4
2 minutes ago

AMERICAN SPIRIT Cargo Ship
Speed: 13.9 MPH
Course: 263
14 seconds ago

SHAPES [Icons] TOOLS [Icons] Wx [Icons] Label [Icons] Search CommandBridge [Input]

CONTRAST 100%

- Vessels (174)
- Transits
- Arrivals
- Departures
- Shifts
- Blue Force
- CCGC CAPE STORM
- CCGS CAPE HEARNE
- CG BUCKTHORN
- CG MACKINAW
- CGC ALDER
- CONSTABLE CARRIERE
- LIMNOS
- THUNDER CAPE
- Local Assets
- Zones (34)
- Points (6)
- CommandPost (0)
- Manual Track (0)
- NOAA Buoy (104)
- Cameras (0)

Choose Map: Hybrid, Street, Aerial, No Map

Choose Overlays: Nautical Chart

250 Miles © 2014 Microsoft Corporation

APPLICATIONS [Icons] HELP [Icons] ALERTS [Icon] 7:55:12 PM Connection Status [Icon] gward, DWTF [Icon] Log Off [Button]



JOHN B AIRD Cargo Ship
Speed: 13.2 MPH
Course: 5.2
Track 1 minute ago

ALGOMA EQUINOX Cargo Ship
Speed: 4.1 MPH
Course: 42.3
Track 2 minutes ago

JOHN D LEITCH Cargo Ship
Speed: 0 MPH
Course: 139
Track 2 minutes ago

HAPES TOOLS Wx Label Search CommandBridge Map Settings

CONTRAST 100%

Vessels (195)

- Transits
- Arrivals
- Departures
- Shifts
- Blue Force
 - CG BRISTOL BAY
 - CG BUCKTHORN
 - CGC ALDER
 - CONSTABLE CARRIERE
 - LIMNOS
 - THUNDER CAPE
 - CCGS CAPE HEARNE
- Local Assets
- Zones (34)
- Points (6)
 - CommandPost (0)
 - Manual Track (0)
- NOAA Buoy (103)
- Cameras (0)

Choose Map:
 Hybrid
 Street
 Aerial
 No Map

Choose Overlays:
 Nautical Chart

Alerts

1 Alerts Activities Archived

Search Dismiss All

Unauthorized Vessel john d leitch has entered security zone. 0 seconds ago Acknowledge

250 Feet
© 2016 Hydrographic Corporation

APPLICATIONS HELP ALERTS 9:24:09 AM Connection Status gward, DWTF Log Off



CommandBridge™ platform is in place. Additional capabilities (modules) that can be added:

- Aerial Tracking
- Sonar tracking
- Oil spill modeling
- Tracking assets involved in a response
- Correlation of tracks (AIS/radar)



Next steps:

- Full deployment to maritime stakeholders
- Define local/regional data collection objectives
- Deploy reporting module
- Project sustainment



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Great Lakes Maritime Domain Awareness

About Us

ShipMoves™ is a tool to increase in-transit visibility; create a uniform data entry template for vessels; create an effective standardized entry/exit control mechanism, improve tracking and surveillance, and reduce vulnerability to our marine transport system.

Participants

List will be of all active ShipMoves™ participants in the Great Lakes area. Participants will include emergency operations personnel, coast guards, fire departments, etc. We look forward to your participation.

Government Partners

CommandBridge™ is a premiere situation awareness, management and response platform that unifies port security investments into comprehensive regional situation awareness.

Industry

ShipMoves™ provides vessel operators/agents a uniform data entry template to produce and manage voyage specific documentation. ShipMoves™ eliminates repetitive entries, improves accuracy, generates submission packages and facilitates record-keeping.

www.ShipMoves.org