



Administration
de pilotage
des Laurentides

Laurentian
Pilotage
Authority

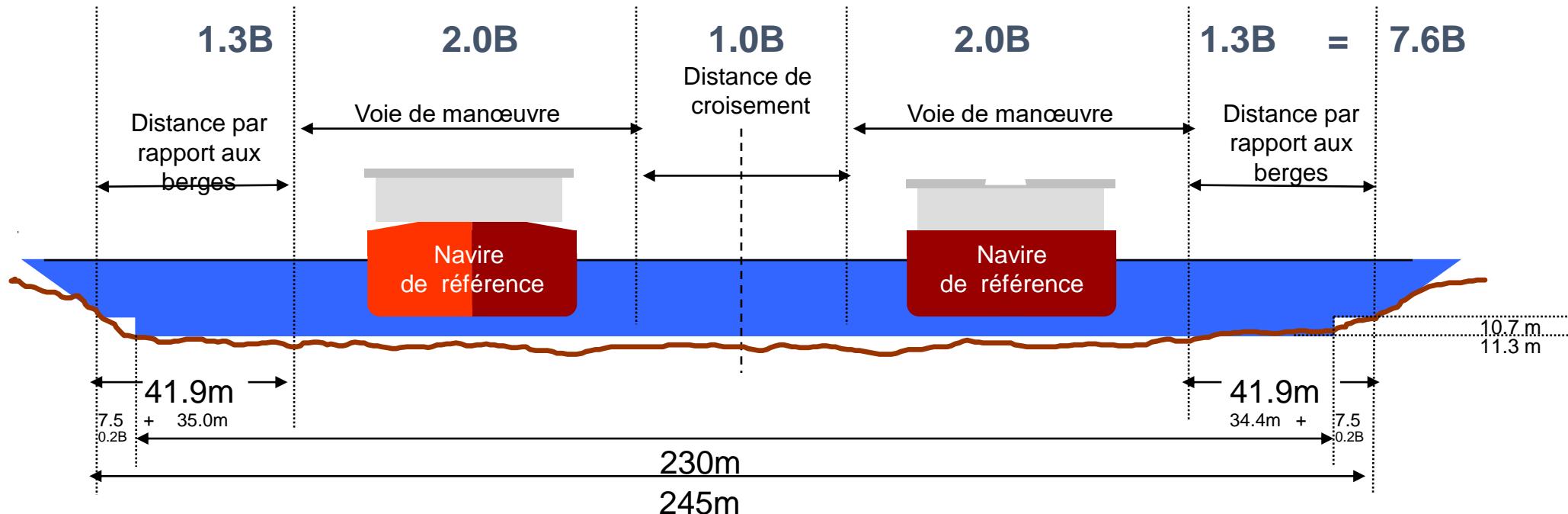


PILOT PORTABLE UNITS

VN-301 DIRECTIVES
INTEGRATION PROJECT

Post Panamax Vessel in the St-Lawrence River

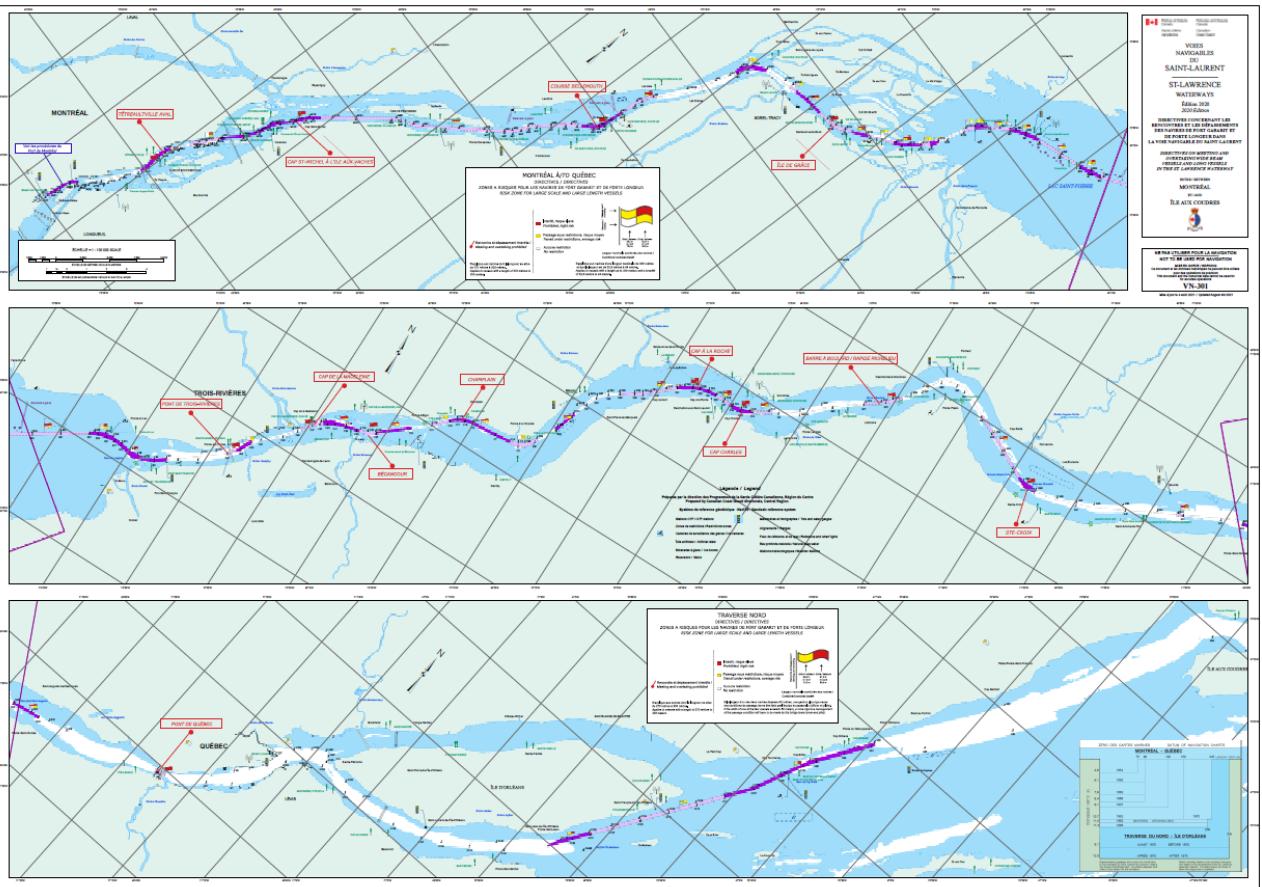
Coast Guard Waterway Design Guidelines



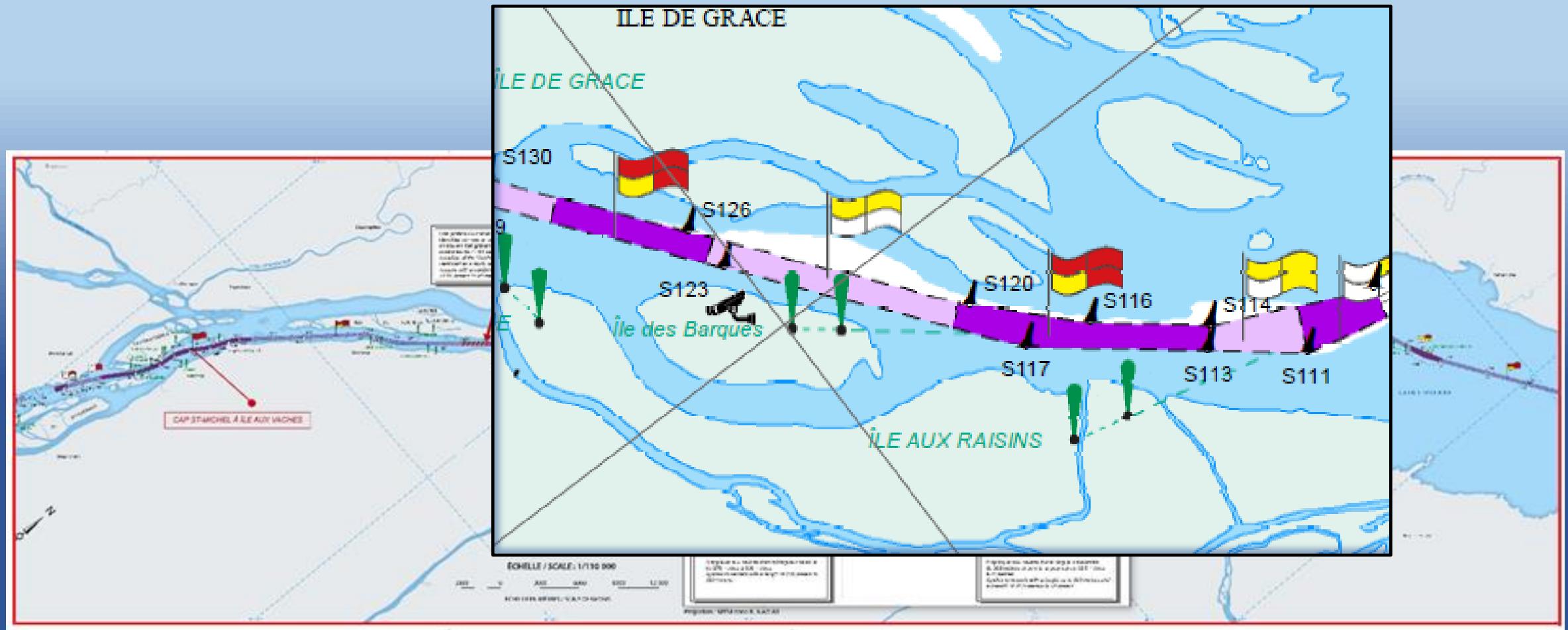
Reference vessel
 $B_{max} = 32.2m$

Risk Study

- A risk study was conducted in and a Working Group was formed between Canadian Coast Guard, Transport Canada, Laurentian Pilotage Authority and the pilot corporations, resulting in guidelines for the passage of Post-Panamax vessels, imposing certain restrictions where vessels cannot meet or pass each other.

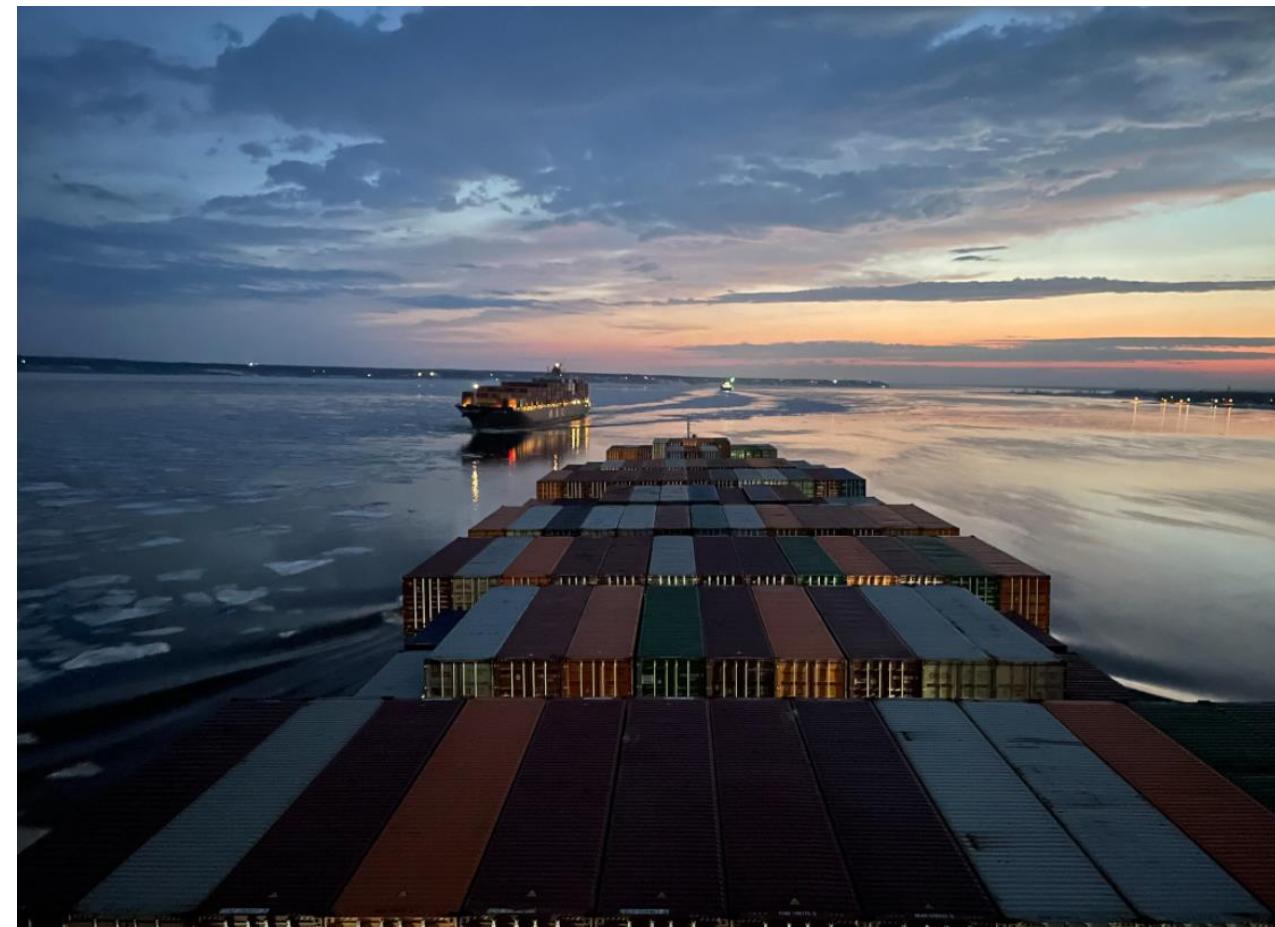


NAVIGATION DIRECTIVES - VN301



New tools to face a more complex environment

- Graphical Integration of VN-301 in the PPU
- Improved «Meeting Point» function
- VN-301 meeting checks



Technical Committee

CPSLC

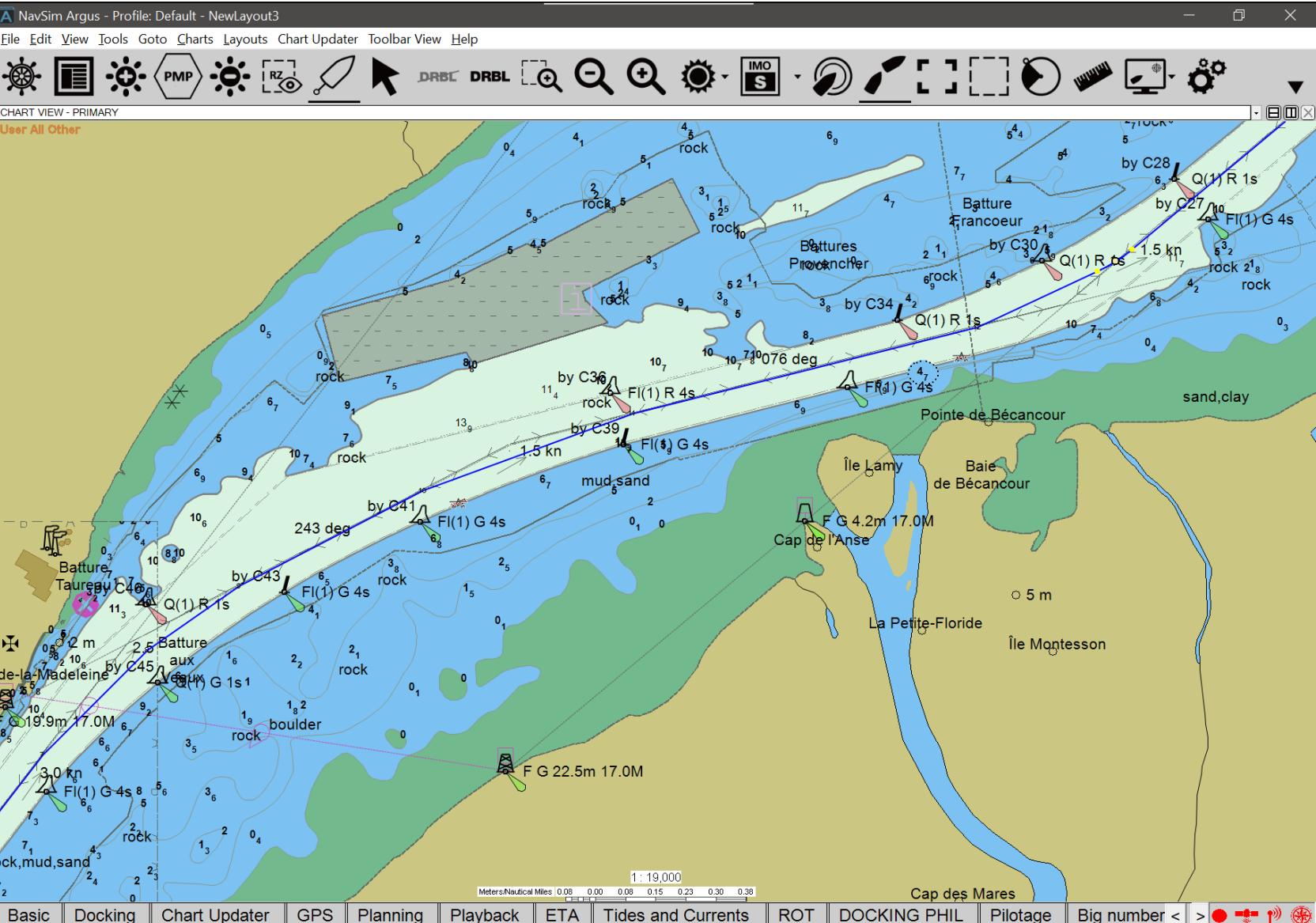


The project and its partners

- The Laurentian Pilotage Authority
- Navsim Technology is the developer of the Argus software
- Mid St-Lawrence Pilot technical committee

Essential Characteristics

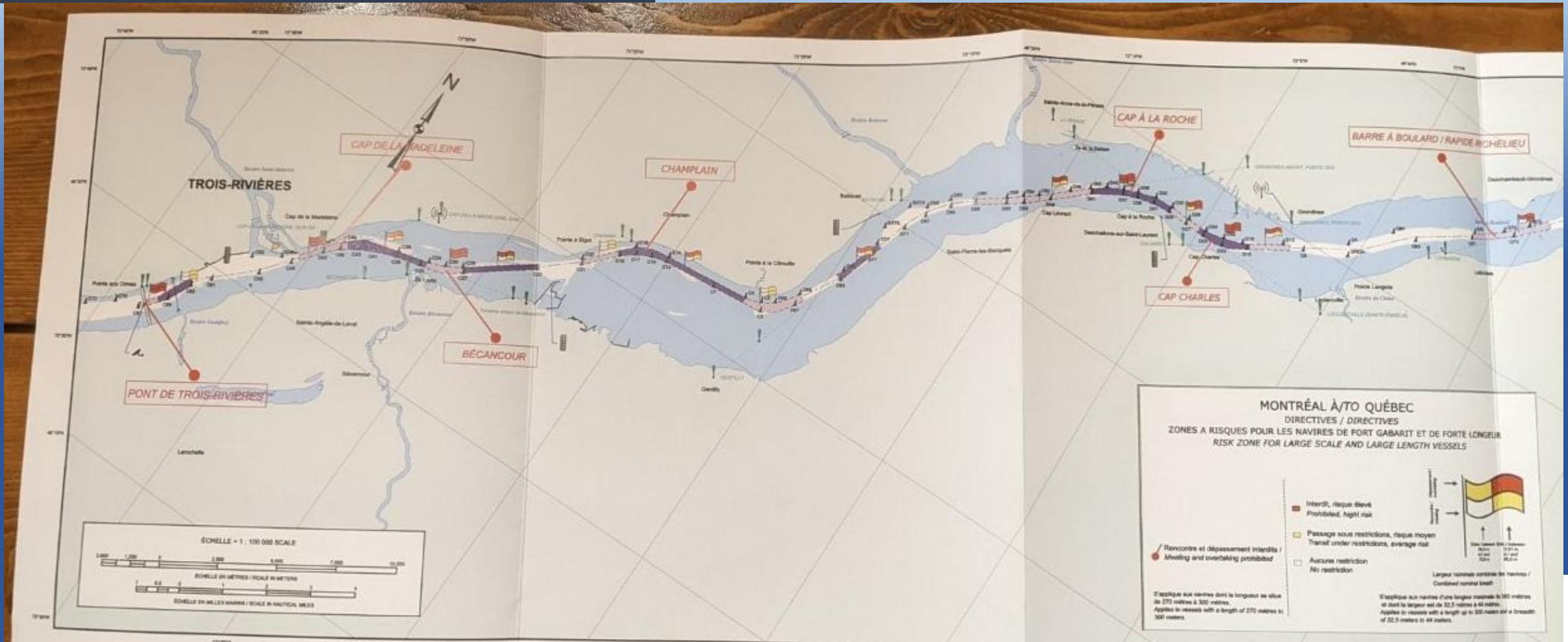
+ Usability
Reliability



VN-301

Graphical Integration

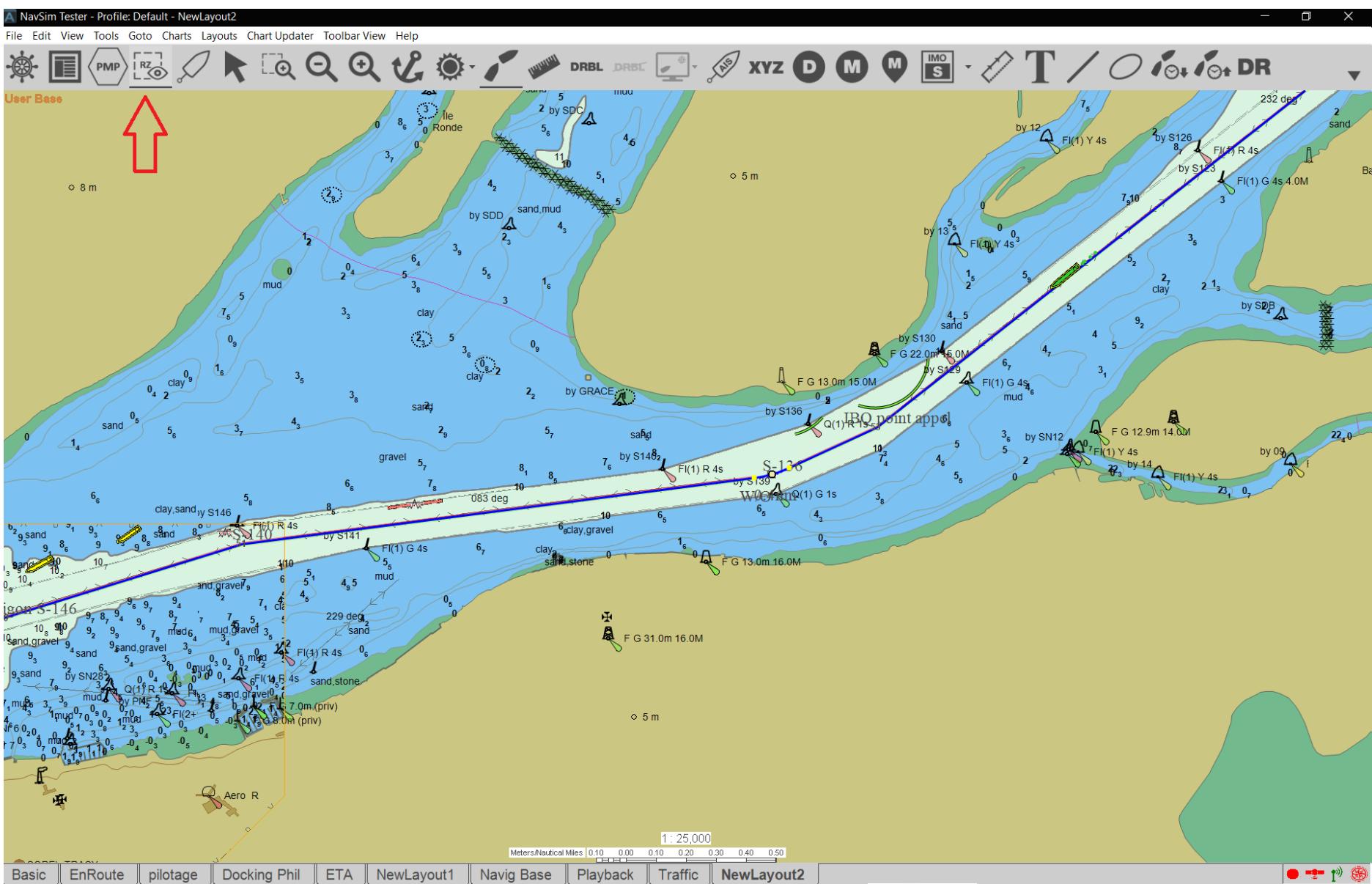
BEFORE



VN-301

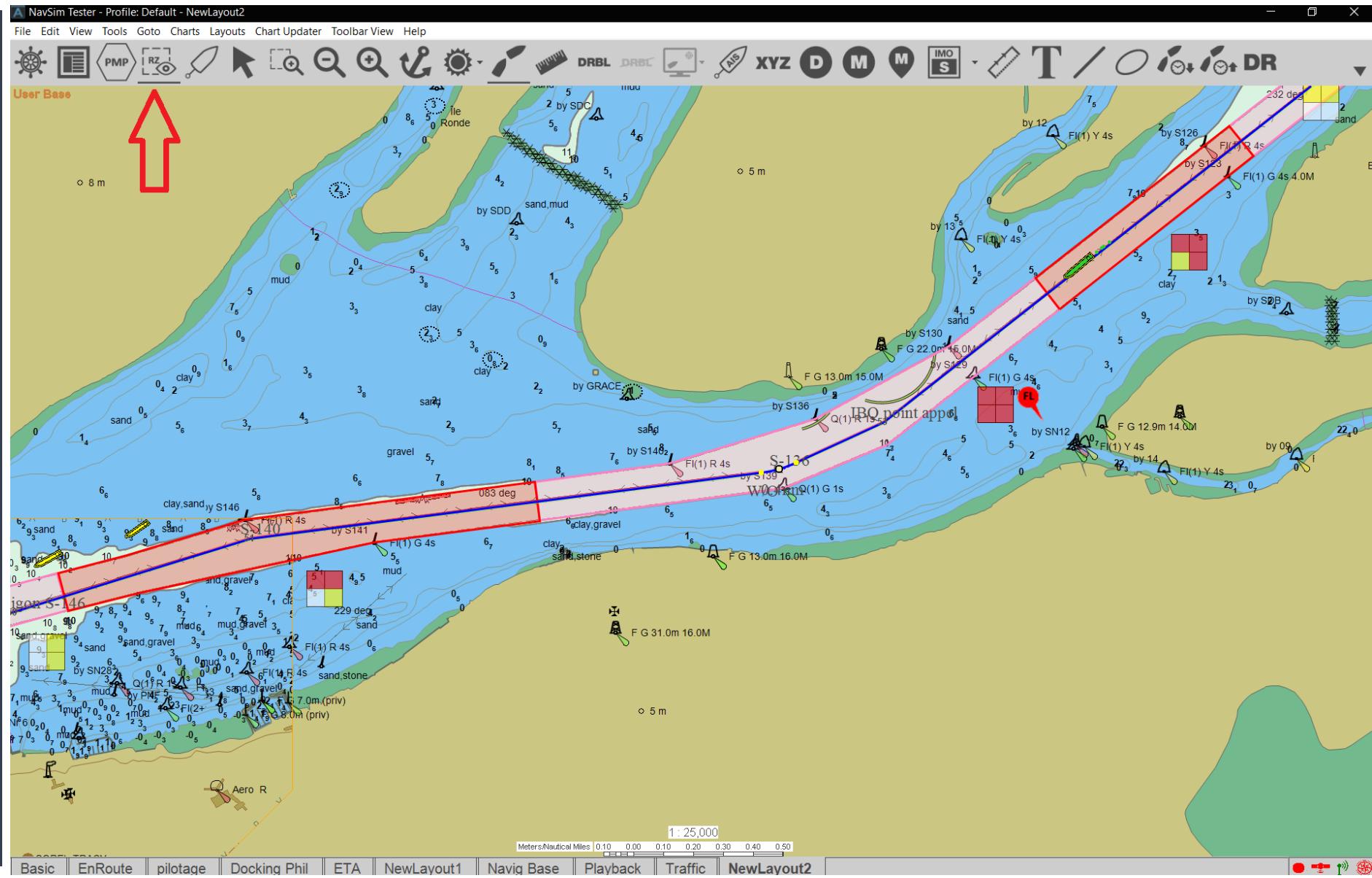
Integration

NOW



VN-301 Integration

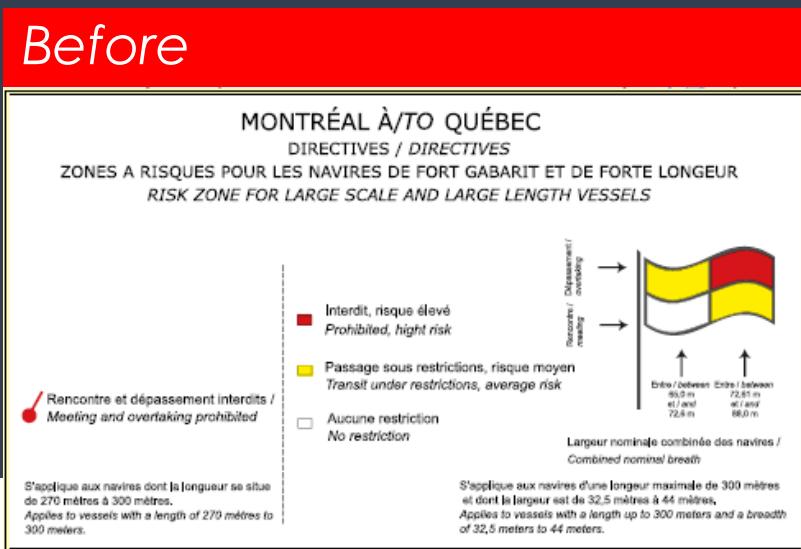
NOW



VN-301

Integration

Before



Risk Zone Properties

Risk Zone Manager

Name: RZ Trou des roses
Sector:
Description:
Color:
Transparency:
 Locked Source: Admin
[Publish to Cloud](#)

Risk Matrix Rules

Meeting & Overtaking Restrictions

Overtaking	Prohibited High Risk	Prohibited High Risk
Meeting	No Restrictions	Proceed Under Caution Average Risk
Combined Beam Between	65 m And 72.6 m	72.61 m And 88 m

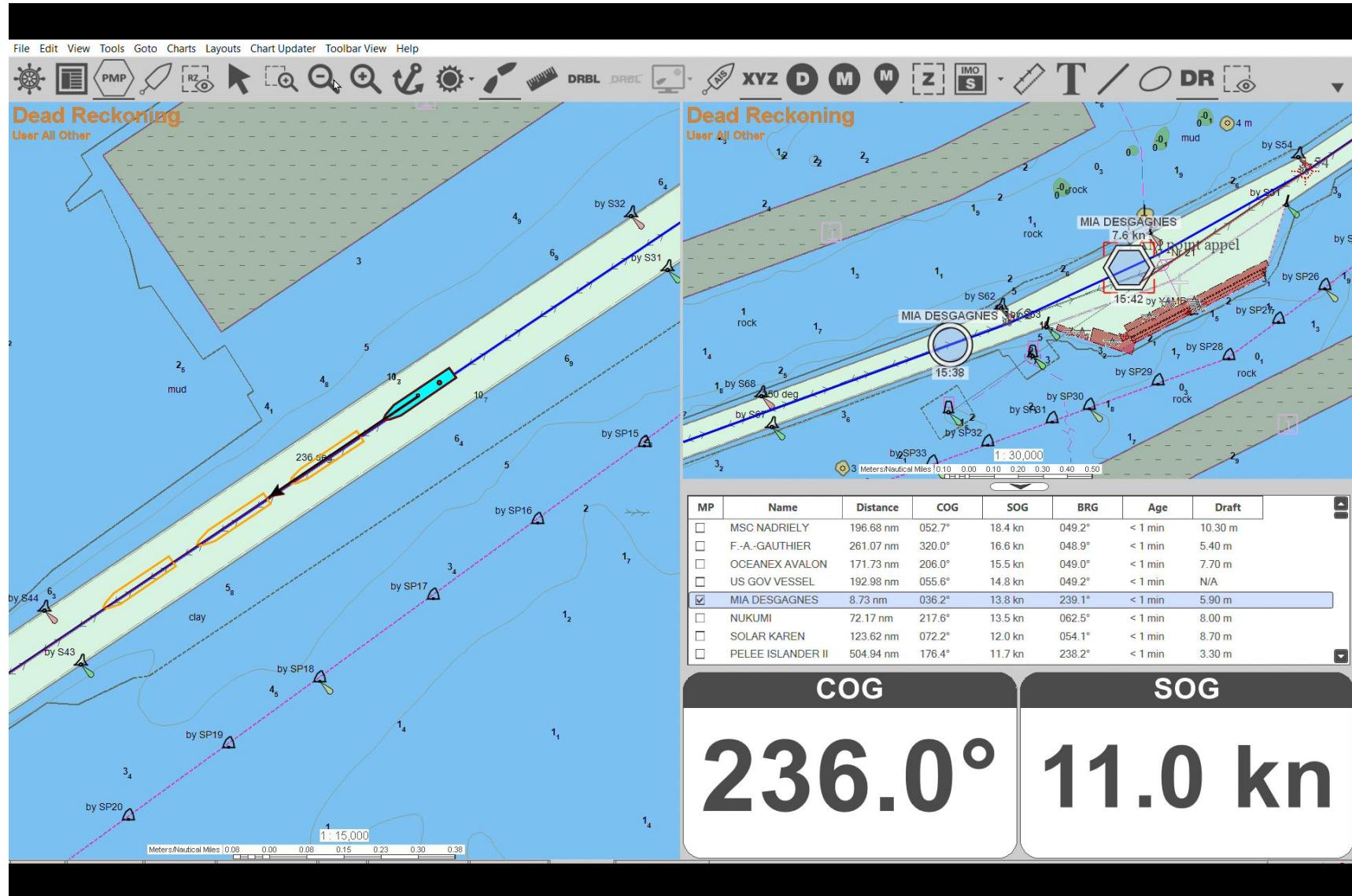
Long Vessel Restrictions: Yes No
 ** Meeting and Overtaking prohibited for vessels with LOA of 270 m to 300 m

Coordinate Info

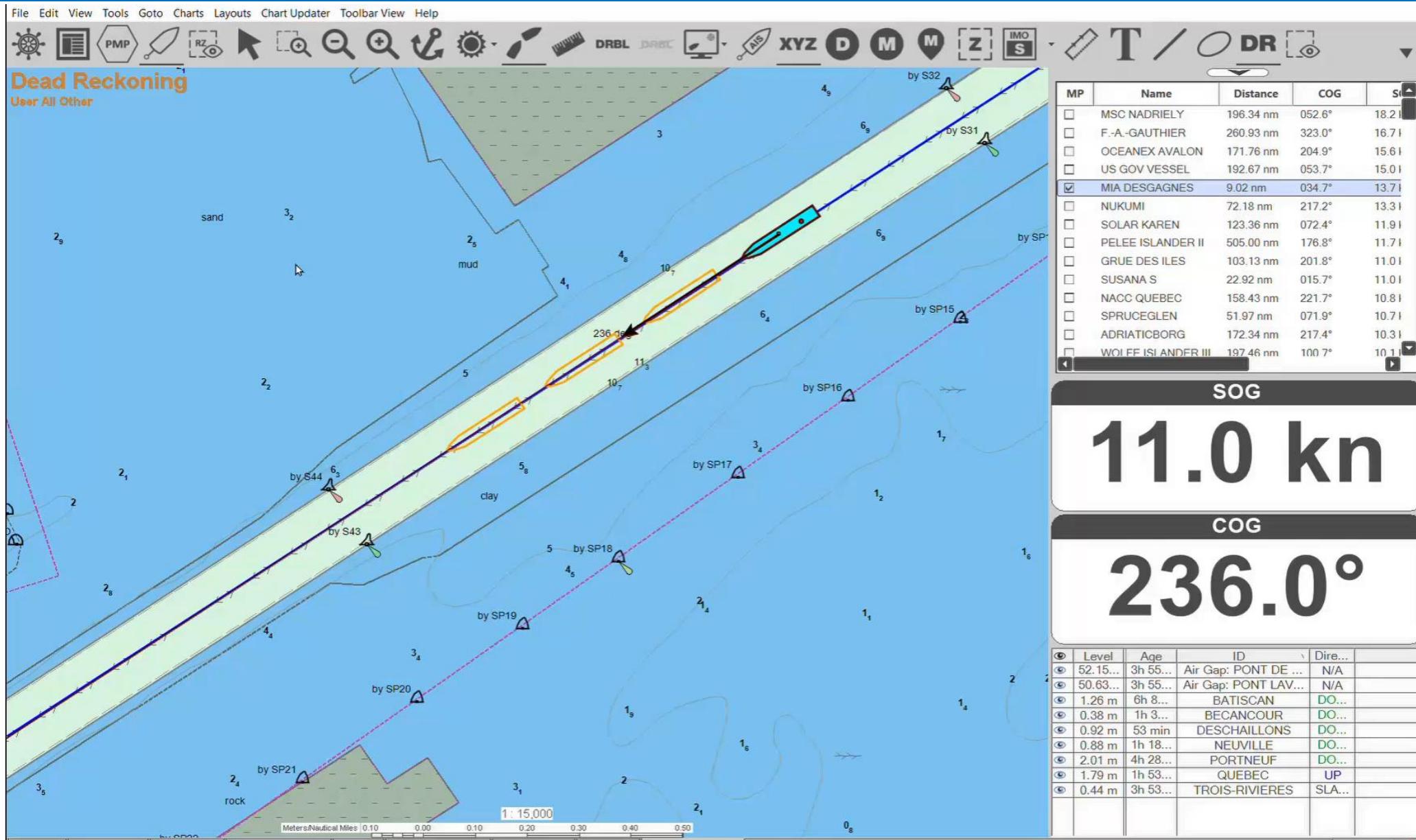
#	Name	Coordinate
1		46° 22.755' N, 072° ...
2		46° 22.729' N, 072° ...
3		46° 22.721' N, 072° ...
4		46° 22.630' N, 072° ...
5		46° 22.541' N, 072° ...
6		46° 22.511' N, 072° ...
7		46° 22.309' N, 072° ...

[Add Coordinate](#) [Delete Coordinate](#)

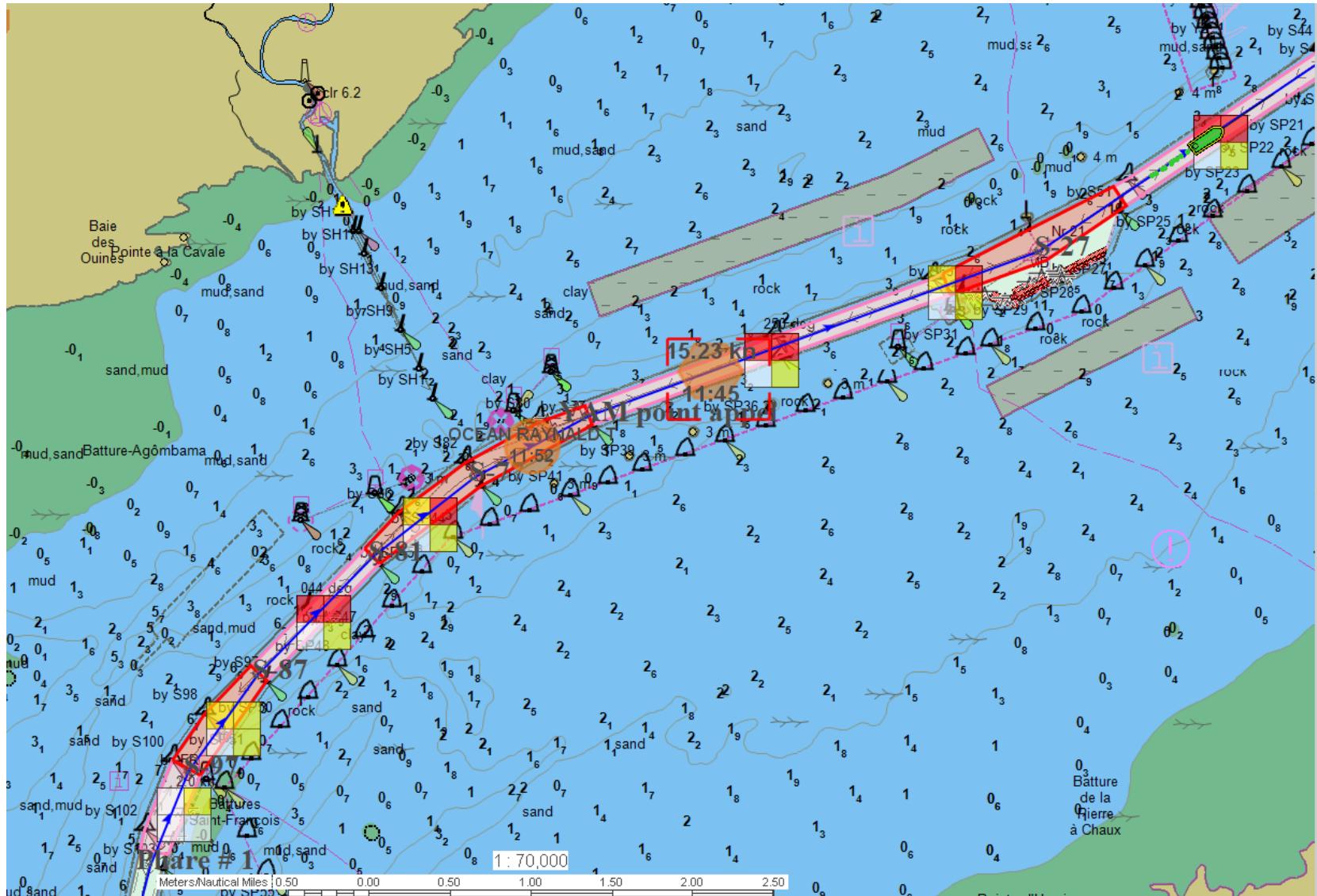
« Improved » Meeting Point function



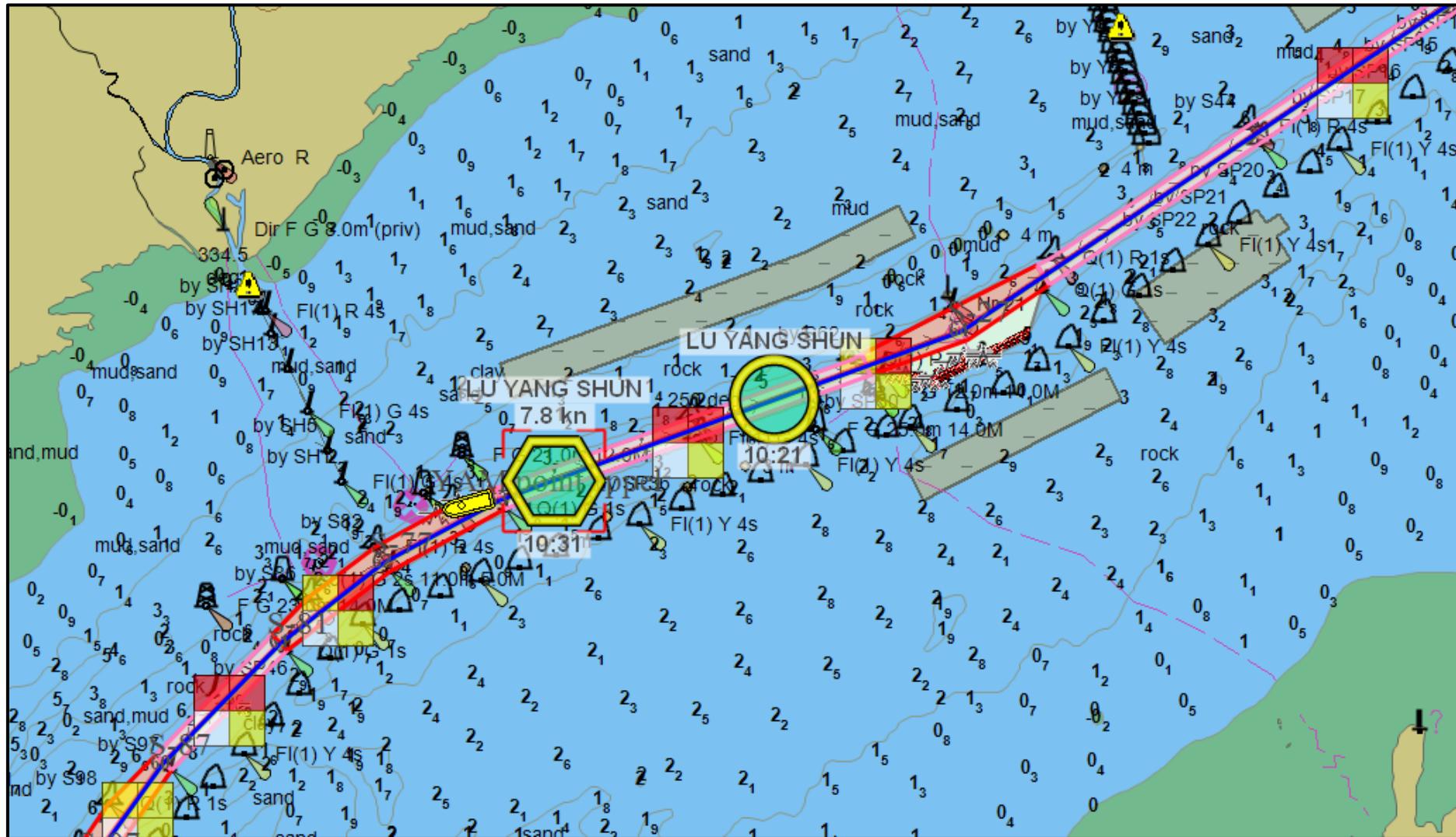
« Improved » Meeting Point function



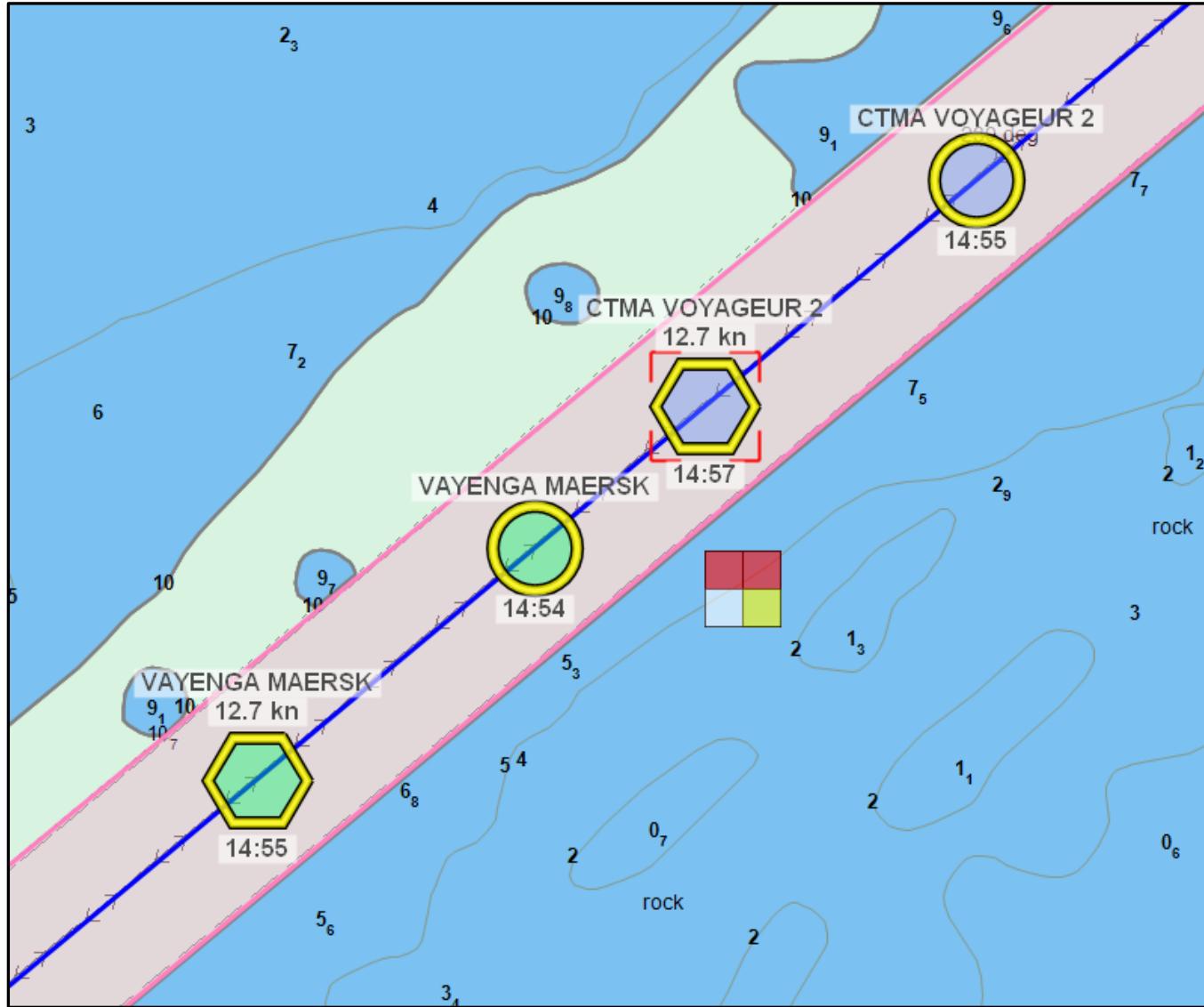
« Improved » Meeting Point function



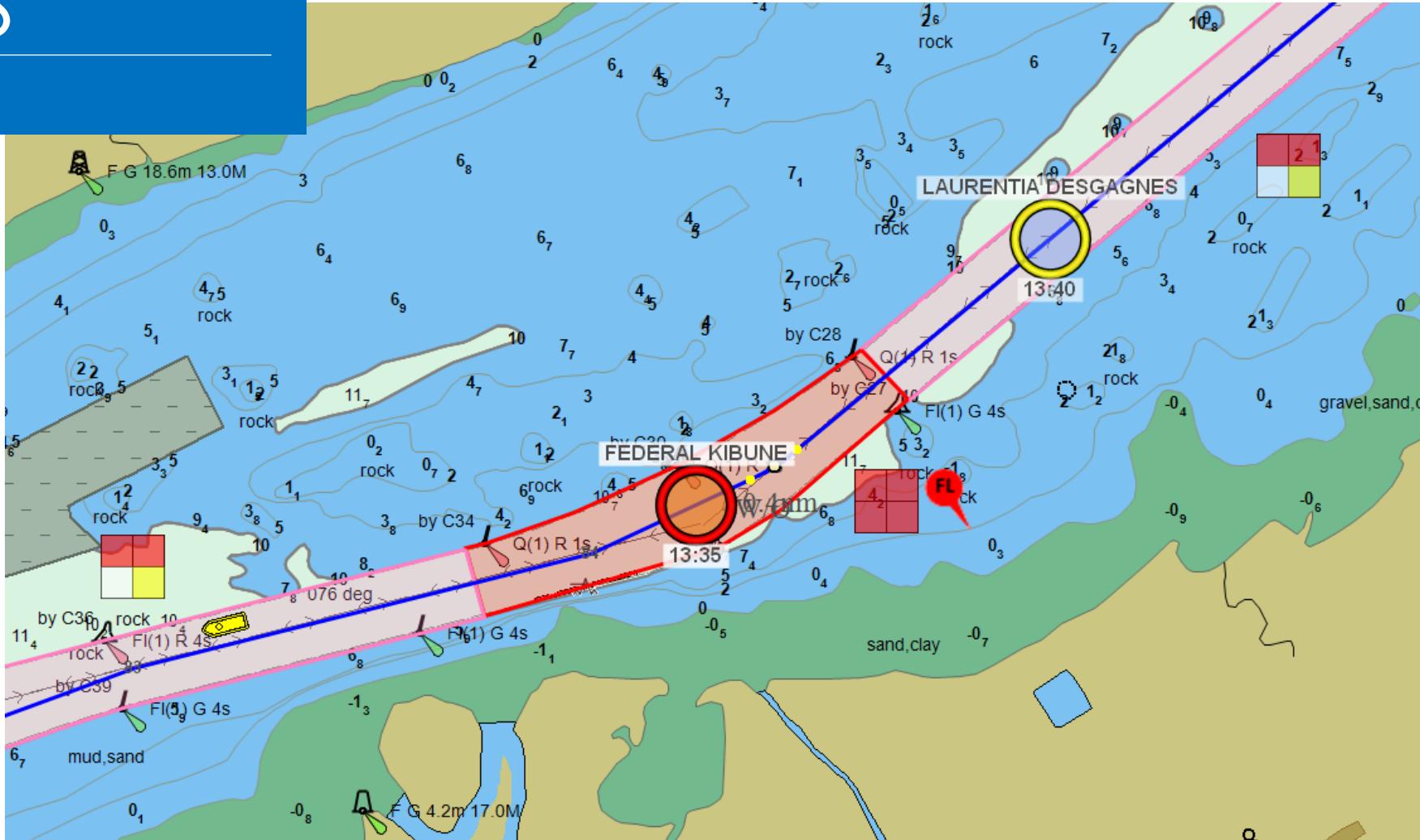
« Improved » Meeting Point function



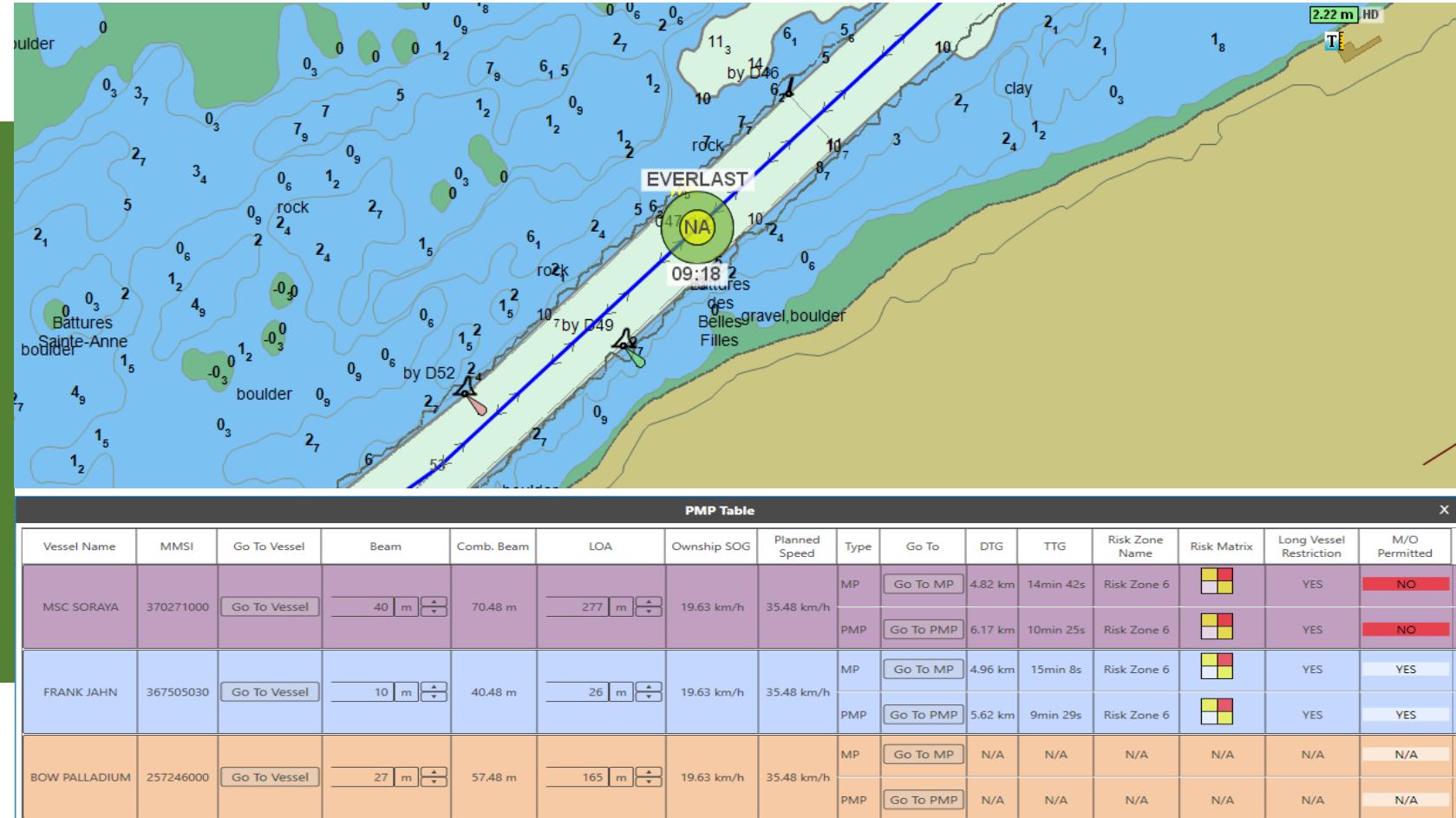
« Improved » Meeting Point function



MEETING CHECKS



RELIABILITY



VERIFICATION FUNCTION

VESSEL'S CHARACTERISTICS



LLOYD'S DATA BASE



NavSim
TECHNOLOGY



DRBL

DRBC



XYZ



T



DR

**Dead Reckoning**

User B112

297 deg

by Q57

Fl(1) G 4s

L



MP	Name	Distance	COG	SI
□	GENEVAN TRADER	26.46 nm	191.0°	0.0 kr
□	SUNSET	29.01 nm	335.0°	0.0 kr
<input checked="" type="checkbox"/>	THUNDER BAY	32.02 nm	076.1°	11.8 kr
<input checked="" type="checkbox"/>	OCEANEX CONNAIGF	32.80 nm	075.6°	17.0 kr
□	POINT VIM	36.32 nm	151.6°	0.0 kr
□	JAMNO	36.56 nm	165.6°	0.0 kr
□	MEGA II	36.67 nm	342.0°	0.0 kr
□	ALGOMA NIAGARA	36.82 nm	311.7°	0.0 kr
□	STAR GWYNETH	36.96 nm	281.5°	0.0 kr
□	DUGA	36.97 nm	323.3°	0.0 kr
□	OCEAN BRAVO	36.99 nm	189.5°	0.0 kr
□	OCEAN CHARLIE	37.02 nm	340.7°	0.0 kr
□	UMIAK 1	37.22 nm	046.0°	0.0 kr
□	OCEAN I AVIOI FTTF	39.09 nm	086.2°	0.0 kr

SOG**12.0 kn****COG****297.0°**

Level	Age	ID	Dir...
2.21 m	22 min	PORTNEUF	N/A
4.65 m	17 min	QUEBEC	N/A
0.70 m	7 min	TROIS-RIVIERES	N/A

QUESTIONS / COMMENTS ?