

OCEANS PROTECTION PLAN

OPP Update

Creating an Inventory of Marine Shipping Risk Resources Webinar

December 3, 2020



Managing risk

Through the Oceans Protection Plan, the Government of Canada has a number of initiatives underway to test approaches to managing marine shipping risk.

- These initiatives range from projects designed to identify and assess marine risk to those intended to provide mitigation strategies
- A number of frameworks are being developed to support managing risk, such as those for Cumulative Effects of Marine Shipping and Proactive Vessel Management
- Through the OPP, Government is collaborating with Indigenous groups, industry, other levels of government and marine stakeholders on how we move forward
- Work continues to further develop and refine our approach

OPP Initiatives

Proactive Vessel Management

- Brings together Indigenous communities, industry, and vessel operators to find voluntary solutions to issues of concern on their waterways.
- Draft PVM national framework has been circulated for commentary and feedback. What We Heard report in the works.
- Five 5 pilot projects in the Arctic and BC. Voluntary solutions have been implemented in 2 pilot communities and are in testing phase:
 - Voluntary Protection Zone for Shipping in Haida Gwaii territory developed between the Government of Canada and the Council of the Haida Nation.
 - Notice to Mariners developed in Cambridge Bay for the Victoria Island Waterway Safety Committee.

OPP Initiatives

Cumulative Effects of Marine Shipping

- National initiative with pilot areas on all three coasts.

Outcomes:

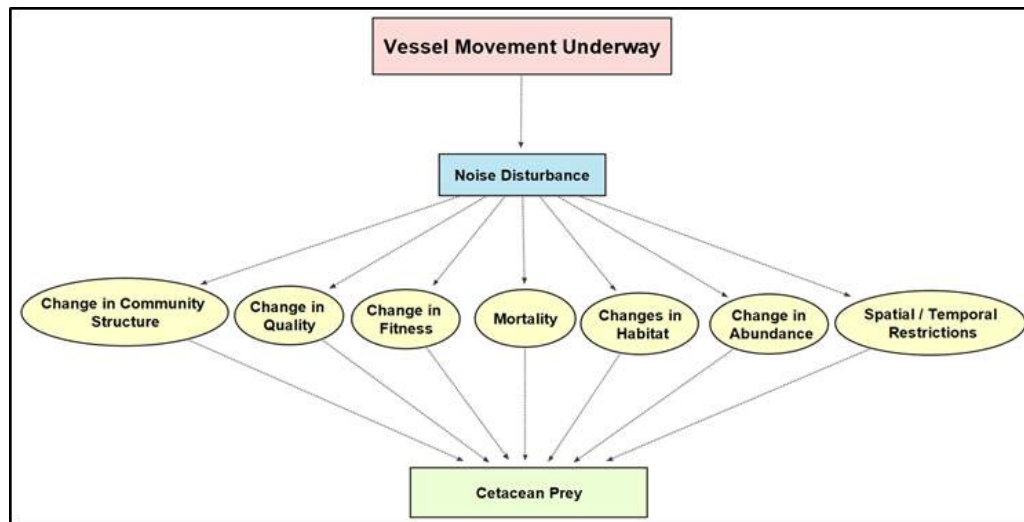
- Cumulative effects assessment framework
- Data and knowledge amalgamation
- Undertake regional cumulative effects assessments
- Identify options to mitigate effects



OPP Initiatives

Cumulative Effects of Marine Shipping

- Regional assessments being undertaken via different collaboration models
- Examples of assessment priorities identified include:
 - Safety on the water
 - Shoreline erosion caused by vessel wake
 - Impacts on marine mammals associated with vessel movement
- Examples of assessment methodologies include:

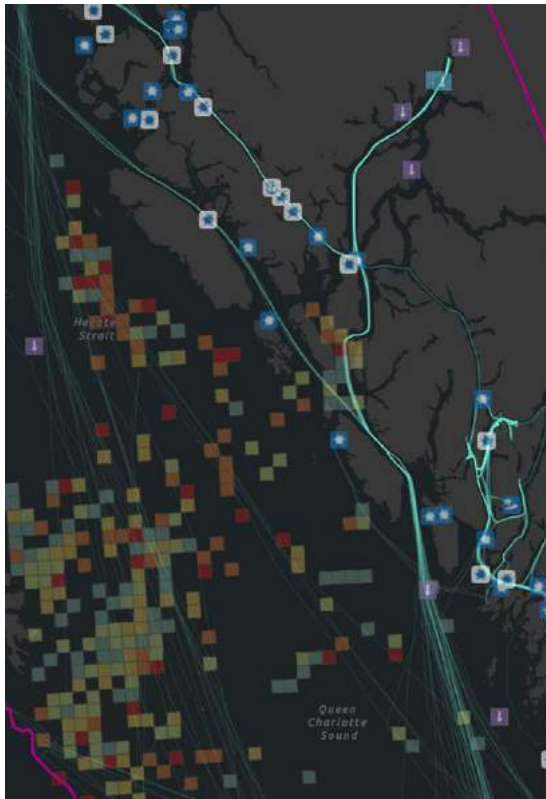


Pathways of Effects Models

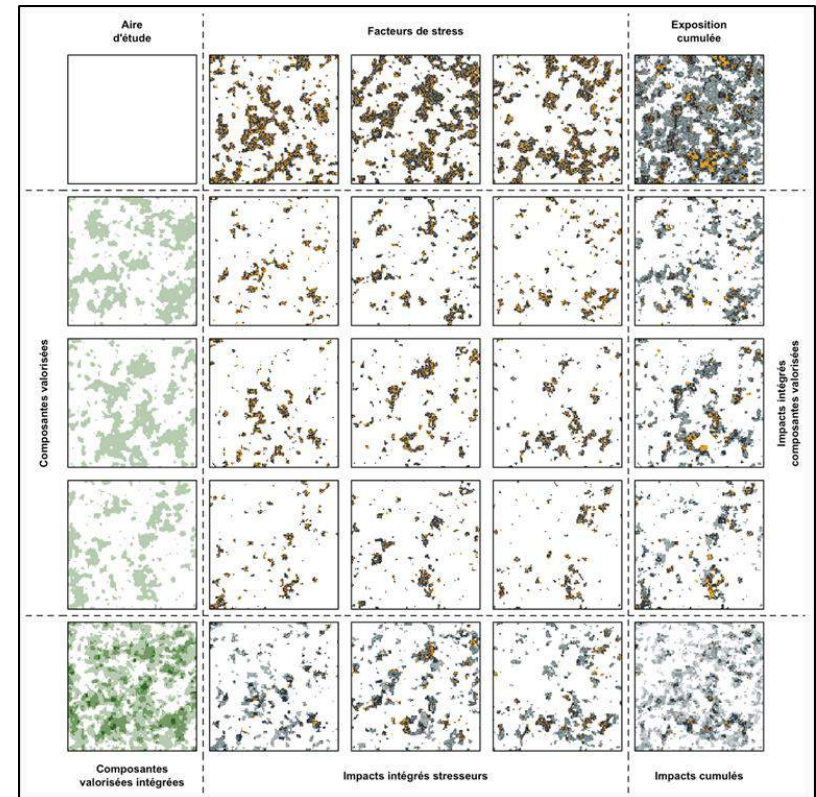
OPP Initiatives

Cumulative Effects of Marine Shipping

- Examples of assessment methodologies:



Co-occurrence Mapping



Vulnerability Analysis of Valued Components to Stressors

OPP Initiatives

Emergency Towing Initiative

- The long-term strategy for emergency towing has been delayed until 2024 to ensure it is informed by a marine navigation risk assessment.
- The risk assessment will include analyses to determine the base level of navigation accident risk nationally and regionally.
- The risk assessment is scheduled to be completed in the Fall 2023.
- 4 regional risk assessments (West Coast, East Coast, Central and Arctic) will be conducted.



OPP Initiatives

TERMPOL

- A voluntary, project-specific, navigation safety risk assessment
- Applies to liquid bulk oil, gas, chemical, or dangerous cargoes
- Reviewed by a committee of federal experts

Triggered when:

- Proponent chooses to undergo TERMPOL review, **or**
- Navigation is scoped into an impact assessment AND department/province requests a TERMPOL

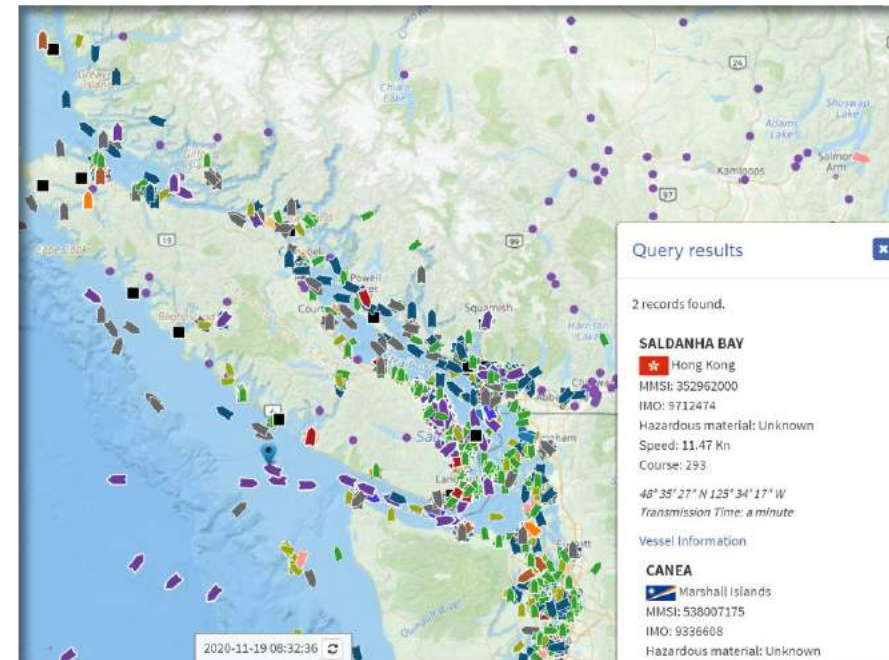
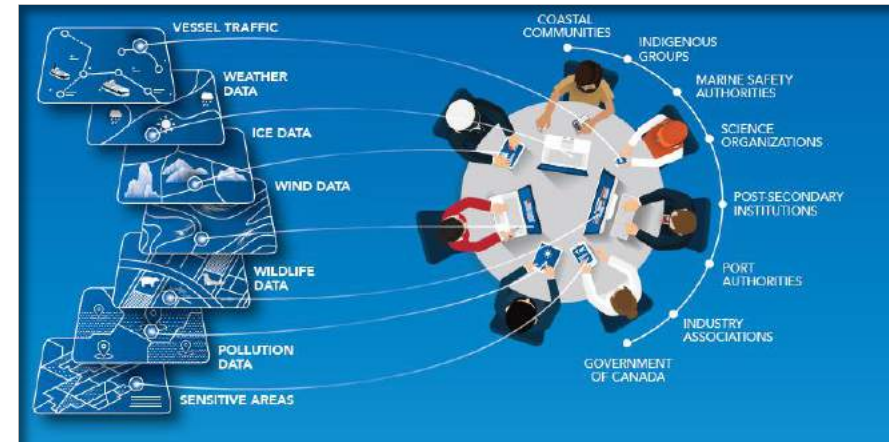
TERMPOL Initiative

- Working on options to modernise the TERMPOL process
- Discussing with federal partners (IAAC, CCG, DFO, etc)
- Discussion paper underway
- Marine risk capacity in TC being assessed

OPP Initiatives

Enhanced Maritime Situational Awareness:

- Web-based geographic information system with a range of static and dynamic data sources, including near real-time marine traffic
- Improves the quality and accessibility of information on maritime activity; maritime awareness and safety; communication and collaboration around the marine space
- Partnership between Transport Canada and 13 Indigenous communities to pilot the system
- Collaborative work continues to further develop and expand use of EMSA based on community and user needs



Moving Forward

- Government is continuing to build tools and processes to support the assessment and mitigation of marine risks
- Some of the tools under development will be highlighted through our work on Emergency Towing. We have prepared a short video to demonstrate how a few of these tools will work
- Our focus over the coming year is to build consistency in how risk is assessed as well as alignment between the various frameworks that manage marine risk

Questions & Contact

Michael Wallace

Analyst, Oceans Protection Plan

michael.Wallace@tc.gc.ca