



Establishing the Haida Gwaii Voluntary Protection Zone for Shipping: Lessons Learned in the Co-governance Model

Shipping Risk Mitigation Research and Practice in Canada
August 31, 2022 (Halifax, NS)

Russ Jones, Council of the Haida Nation
Louise Murgatroyd, Transport Canada
Robert Lewis-Manning, Chamber of Shipping



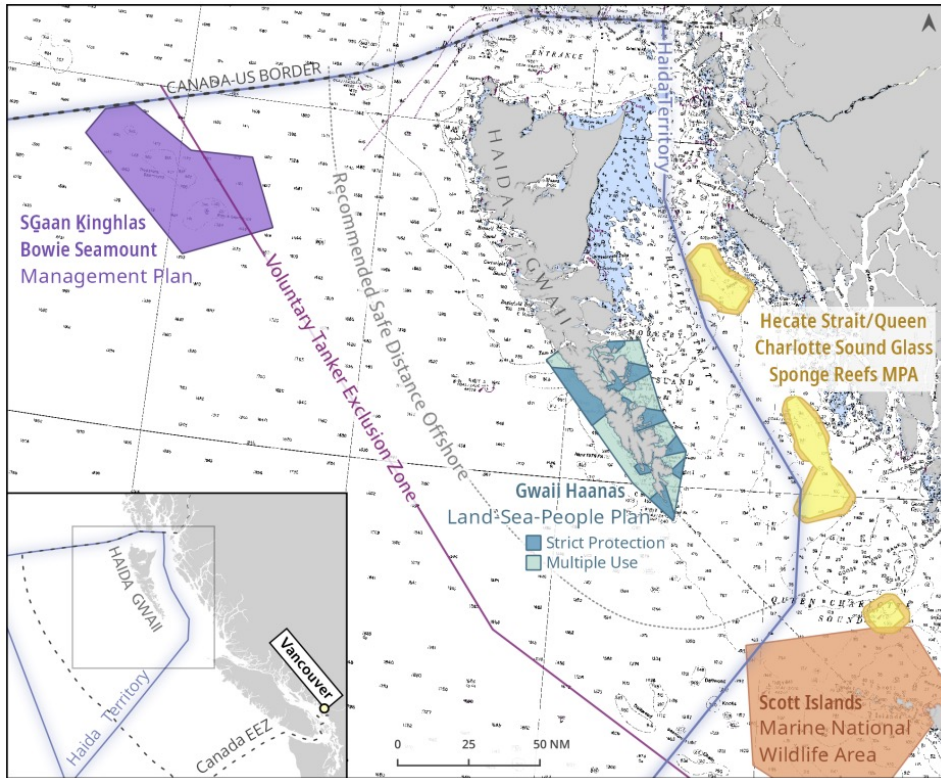
HAIDA NATION



**CHAMBER
OF SHIPPING**

Canada 

Xaayda Gwaay.yaay Haida Gwaii

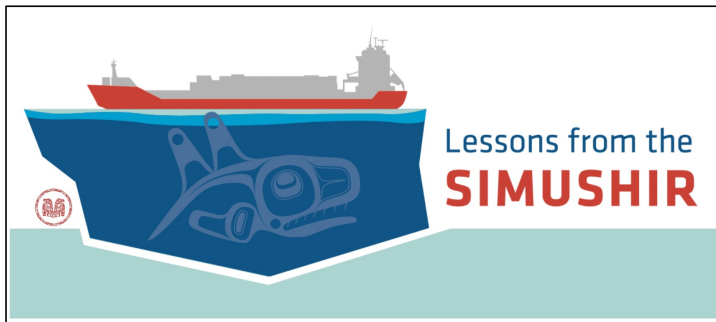


Existing marine protections around Haida Gwaii

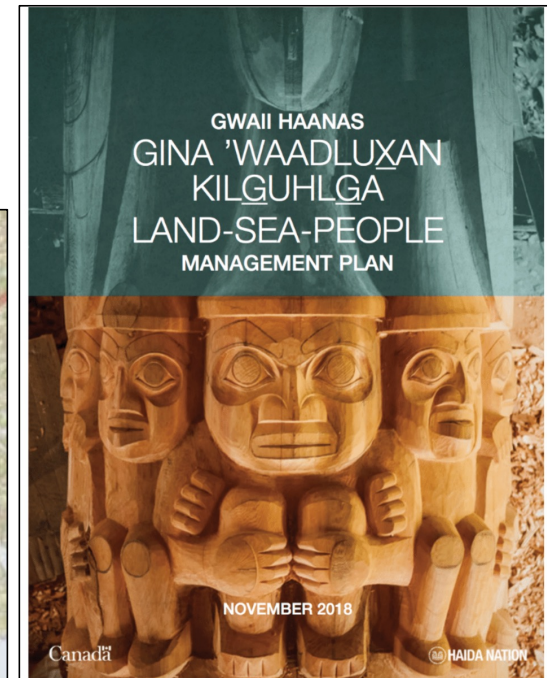
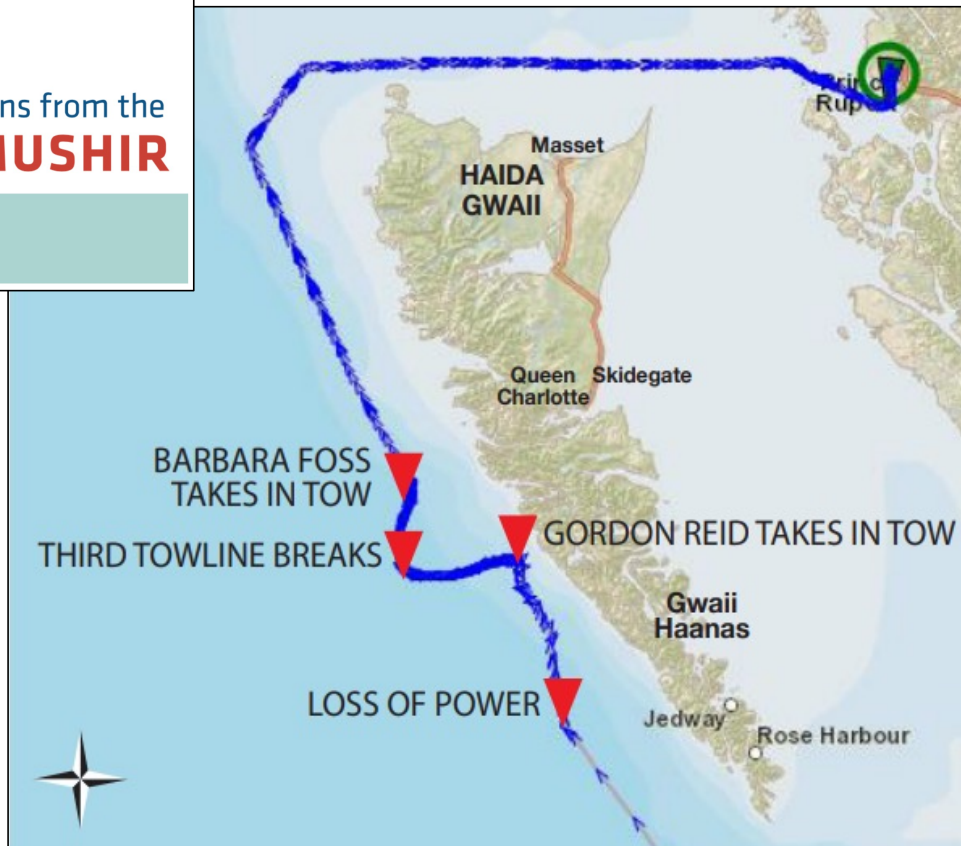


Sgang Gwaay: Haida Heritage Site, UNESCO World Heritage Site, and National Historic Site

Establishing a Safe Distance Offshore



*Based on the traffic analysis guided by the project committee, **Council of the Haida Nation** recommended a minimum 50 nm distance offshore.*



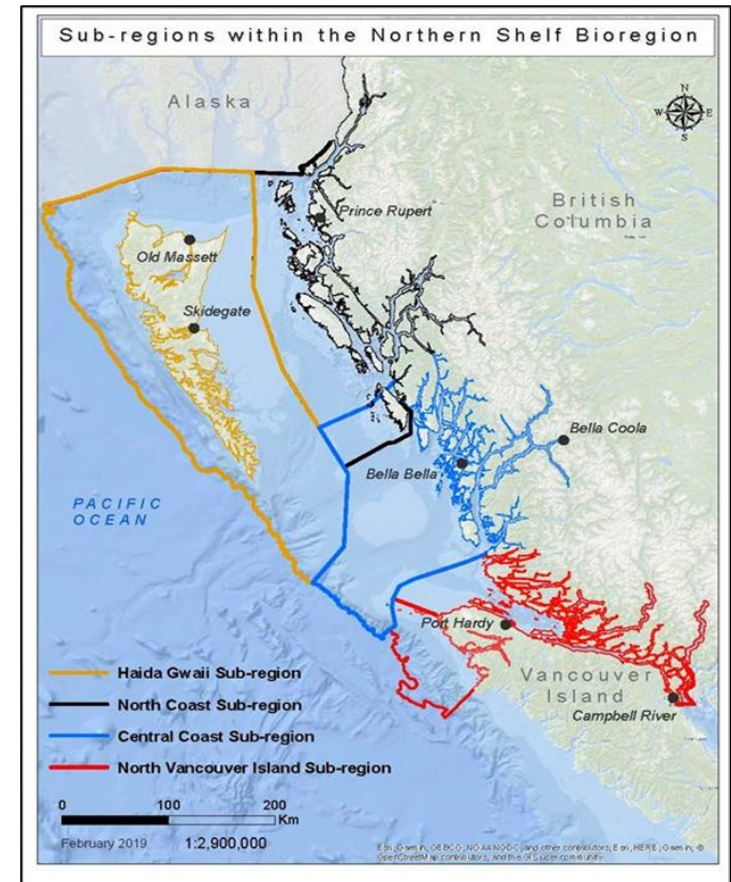
Objective 4.3 "...encourage large vessels to transit sufficiently far offshore of Gwaii Haanas to ensure adequate response time and prevent accidents."

Process: Proactive Vessel Management

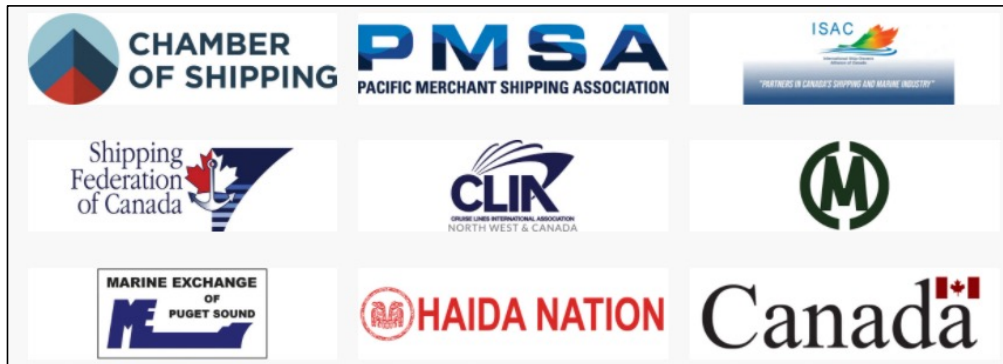


- Enhancing marine safety and environmental protection through strengthened collaboration
- Reduce impacts and conflicts in local waterways associated with commercial shipping
- Measures developed cooperatively, adopted voluntarily e.g., enhanced communications, speed restrictions, routing
- Pilot projects developed in partnership with RFA Nations

Partnership under the Reconciliation Framework Agreement



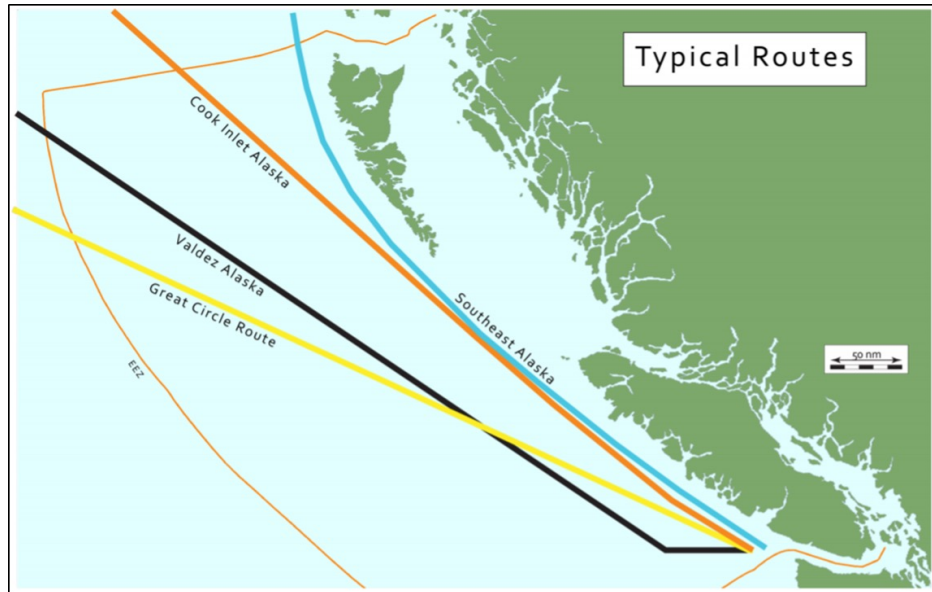
Collaborative Process: Participants



Project Committee

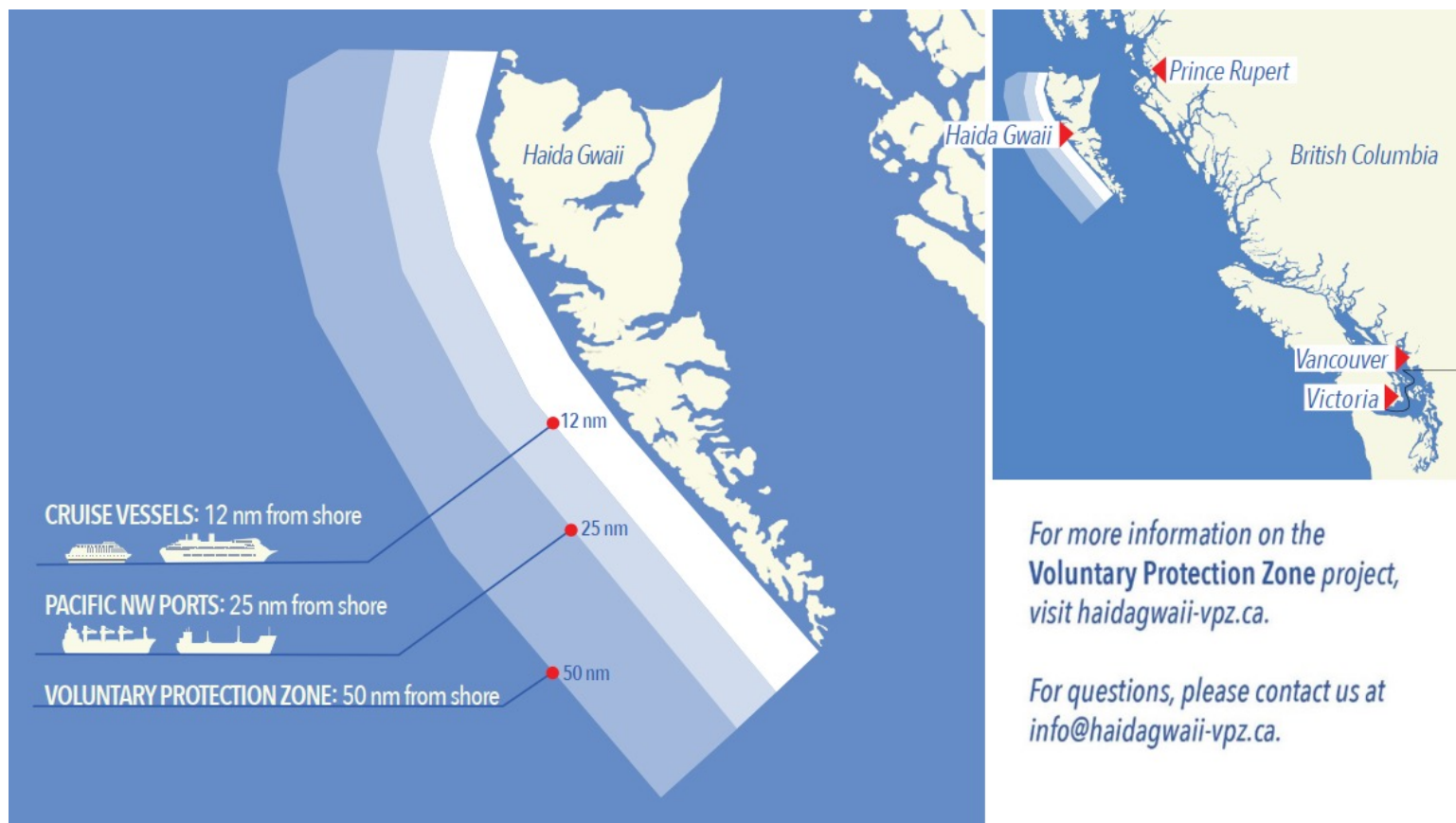
- Co-chairs: Council of the Haida Nation, Transport Canada
- Federal departments: Parks Canada, Canadian Coast Guard
- CDN Shipping industry associations: Chamber of Shipping, Shipping Federation of Canada, Cruise Lines International Association, Council of Marine Carriers, International Ship-Owners Alliance of Canada
- US industry associations: Pacific Merchants Shipping Association, Puget Sound Marine Exchange
- BC Coast Pilots; Nuu-chah-nulth Tribal Council

Zone of No Save Model by Clear Seas and Nuka Research

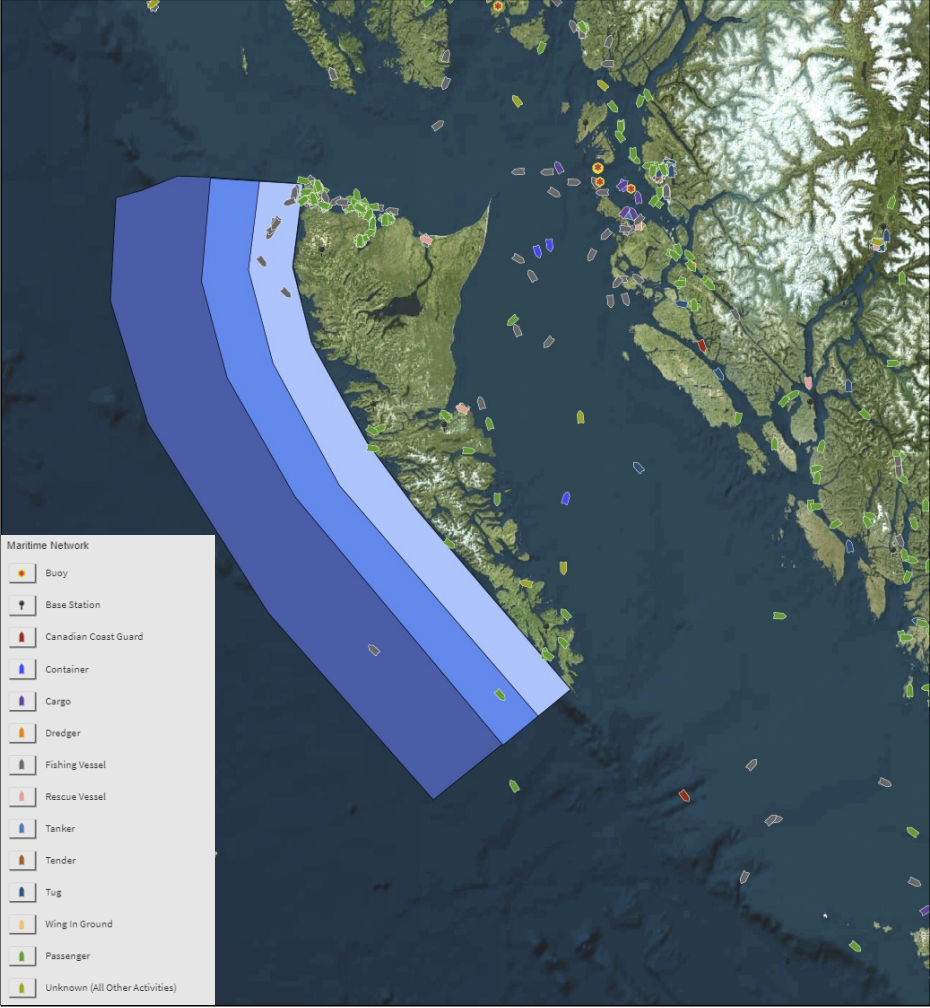


Passage Line from Traffic Analysis	Distance from Shore (nm)	Clear Seas (2018) Probability of an ETV Reaching a Disabled Vessel Prior to Grounding
		Scenario 6 – 3 ETVs (2 on patrol) Hecate Strait North Vancouver Island Neah Bay
Northern Haida Gwaii Passage Line	12	70%
	25	85%
	30	90%
	40	95%
	50	99%
	75	99.9%
Southern Haida Gwaii Passage Line	12	75%
	25	95%
	30	99%
	40	99%
	50	99.9%
	75	99.9%

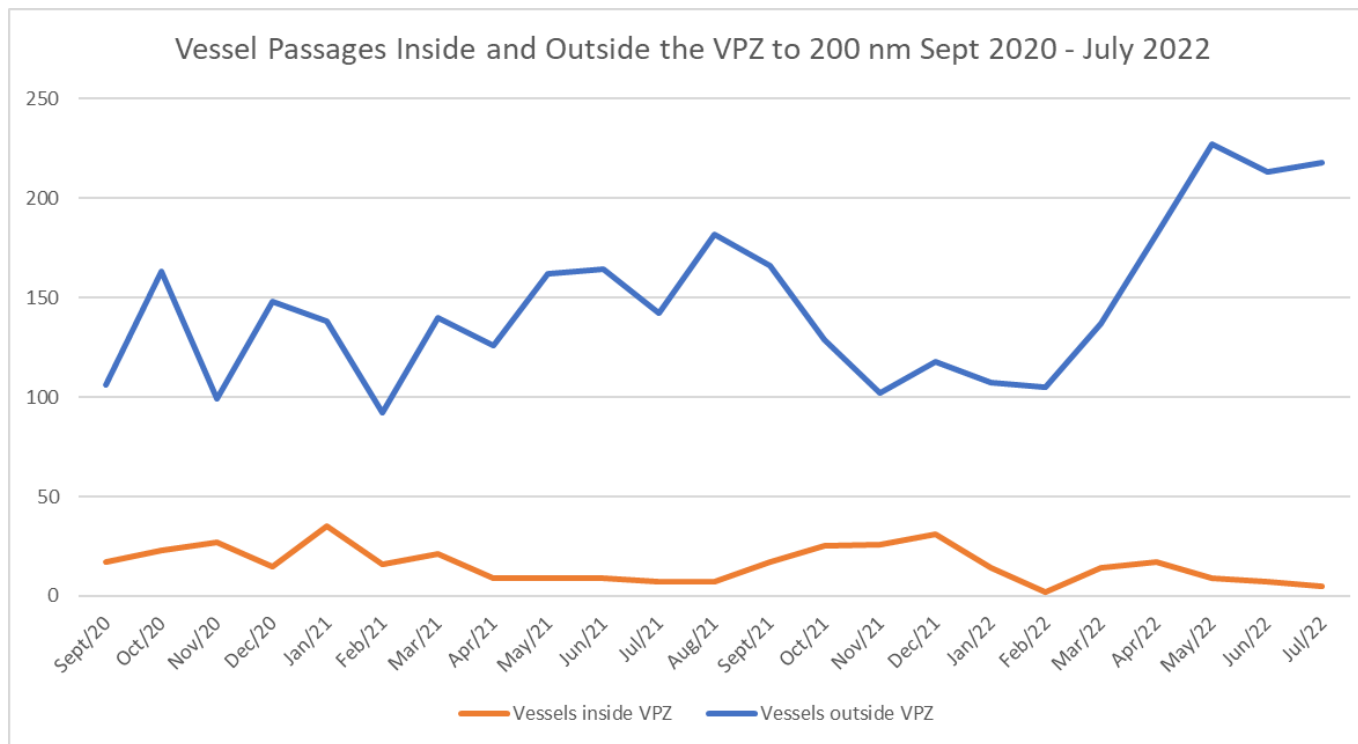
Voluntary Protection Zone for Shipping on the West Coast of Haida Gwaii



Monitoring using EMSA



Monitoring Results



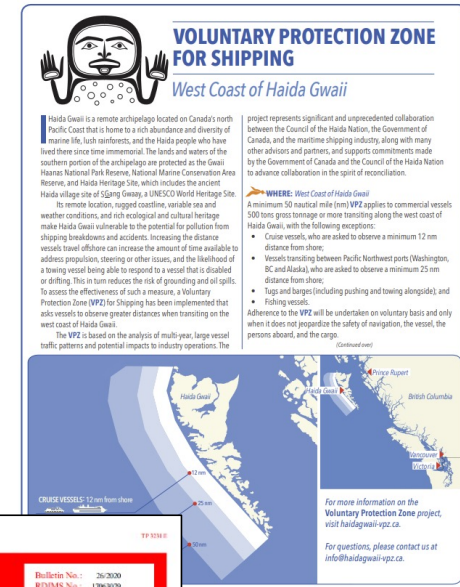
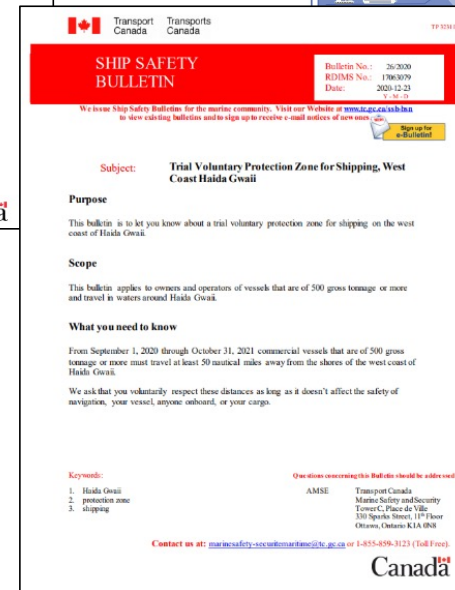
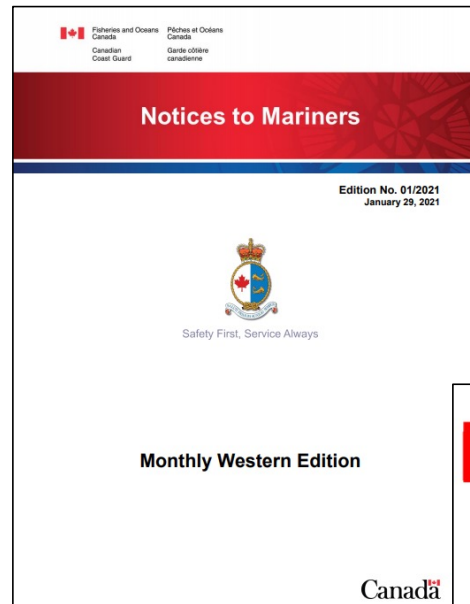
Passages inside the VPZ: 362 (10%)

- Cruise: 7
- Pacific NW Ports: 23
- Great Circle Route: 332

Passages outside the VPZ: 3,366 (90%)

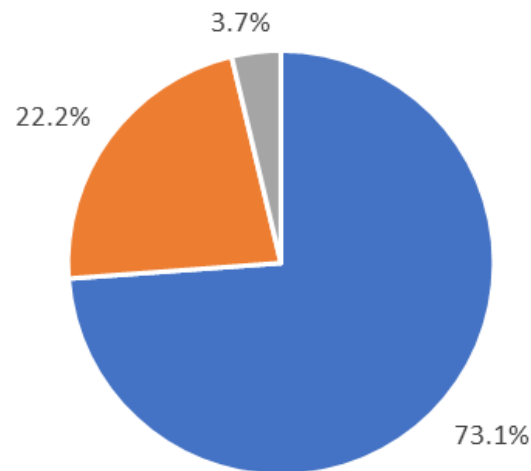
Communications and Awareness

- Information sheet distributed by industry associations to agents
- Navigational warning, monthly notices to mariners, CHS publications (electronic and paper navigational charts, Sailing Directions), TC Ship Safety Bulletin
- MCTS communications with vessels inside 12 nm
- TC follow-up with vessels inside the VPZ
- Direct communication with US operators in Pacific Northwest trade
- Monthly progress reports available on website www.haidagwaii-vpz.ca



Feedback from Mariners

Awareness of VPZ
May 2021 – July 2022



■ Vessels aware of VPZ ■ Vessels not aware of VPZ ■ n/a

Vessels emailed: 156
Total responses: 107
Response rate: 69%

Successes and Challenges



Canoe ride with the Project Committee of the Voluntary Protection Zone in Haida Gwaii, June 2019

Next Steps





Acknowledgements

- Clear Seas Centre for Responsible Marine Shipping
- exactEarth
- Nuka Research & Planning Group, LLC
- Project Committee of the Voluntary Protection Zone
- CHN and TC technical staff



QUESTIONS?

*Haaw'a
How'aa*

Thank you

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