

#### 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)

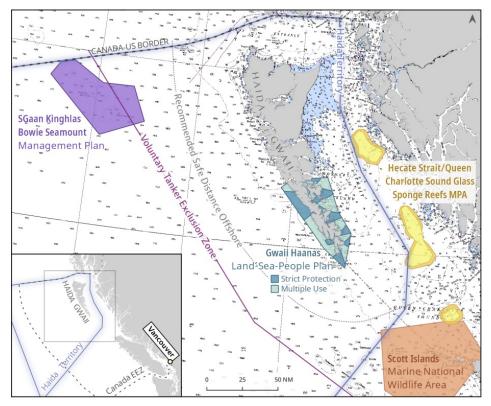
Russ Jones, Council of the Haida Nation Louise Murgatroyd, Transport Canada Robert Lewis-Manning, Chamber of Shipping







### <u>X</u>aayda Gwaay.yaay Haida Gwaii

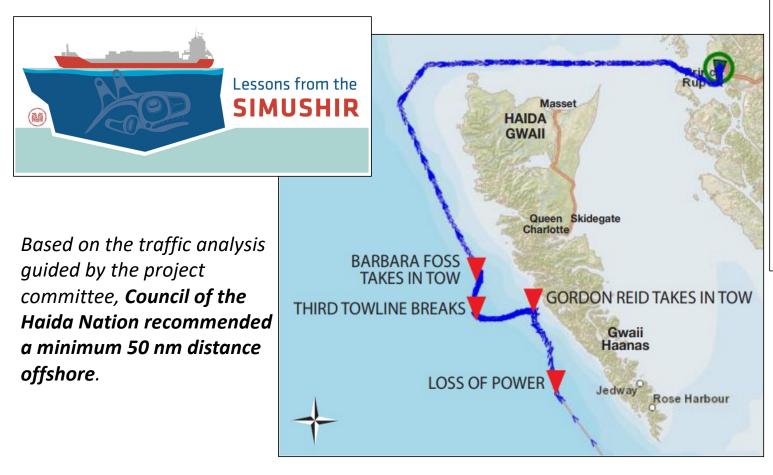


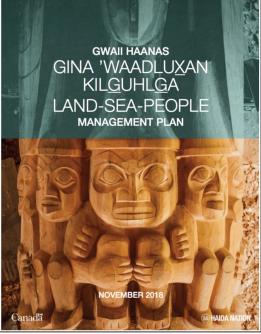
Existing marine protections around Haida Gwaii



SG ang Gwaay: Haida Heritage Site, UNESCO World Heritage Site, and National Historic Site  $^{2}$ 

#### **Establishing a Safe Distance Offshore**





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

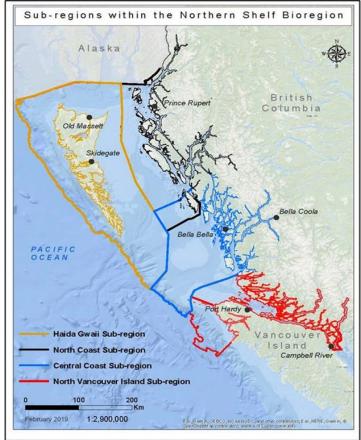
#### **Process: Proactive Vessel Management**



- 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**

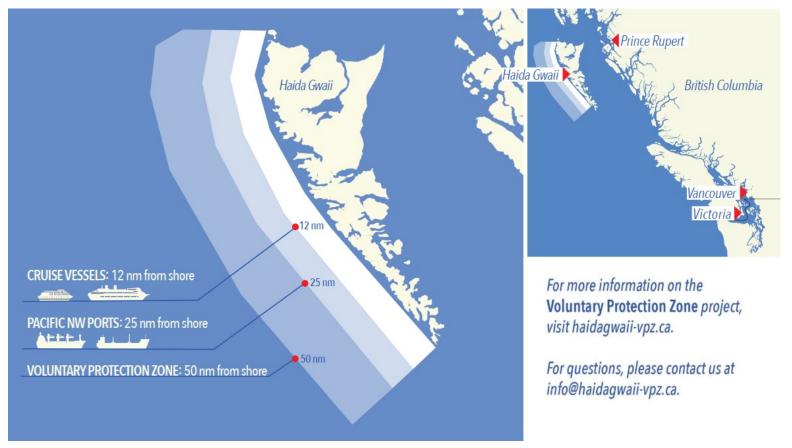


#### **Project Committee**

- 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

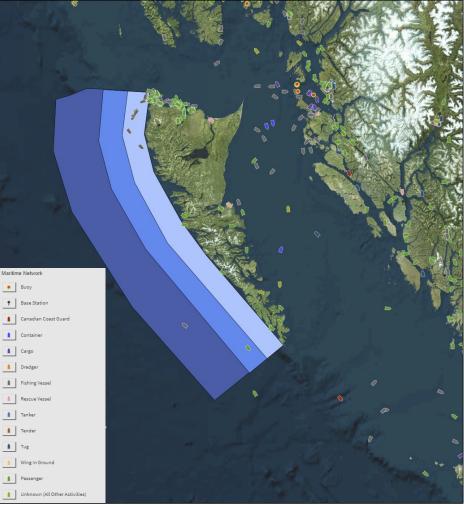
Zone of No Save Model by Clear Seas and Nuka Research	Passage Line from Traffic Analysis	Distance from Shore (nm)	Clear Seas (2018) Probability of an ETV Reaching a Disabled Vessel Prior to Grounding	
			Scenario 6 – 3 ETVs (2 on patrol) Hecate Strait North Vancouver Island Neah Bay	
Contract Rootes     Contract Roote     Search     Search	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

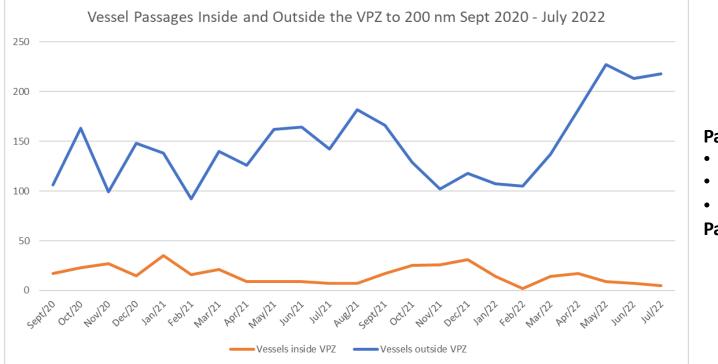


#### Monitoring using EMSA





#### **Monitoring Results**



#### Passages inside the VPZ: 362 (10%)

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

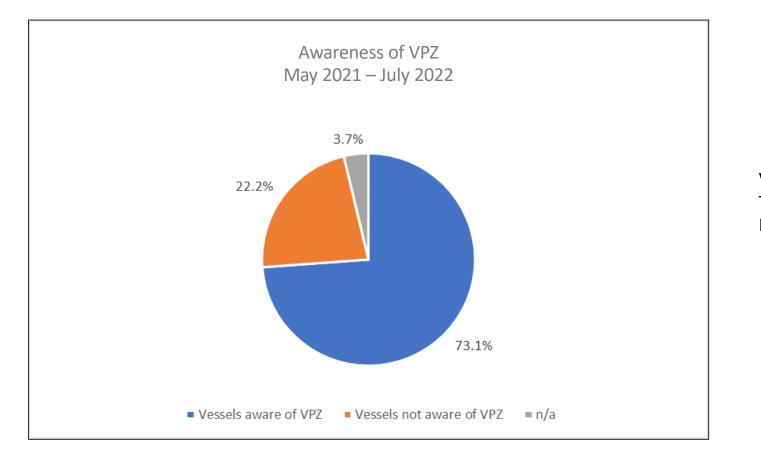
Passages outside the VPZ: 3,366 (90%)

# 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 <u>www.haidagwaii-vpz.ca</u>

			VOLUNTARY PROTECTION ZONE		
		West Coa	st of Haida Gwaii		
Patros and Oceans Redows at Oclams Construction Const Oceans Const Const Oceans Con		Faida Gwai It a remote antipelage located on Canada's north PachE Coast that is home to a dra balandance and diversity of marries (Re) faida indirects, and faida located and the set of the souther pacies of the antipelage and the lands and auters of the souther pacies of the antipelage and the packed and south of the Hannars National Park Renners, National Marine Concentration Area Renners, and Kind Heritegi Sta, wail, build will and and auter and the table values are of Sgm Gamaya, a URESCO World Heritory Star Handow Line and Castano, naged containing, analoke and and the remote and containin, naged containing, and the Renner Ska.	project represents significant and unprecedented collaboration between the Council of the Halak Nation, the Government of Canada, and the mattice shipping inductivity size with many other advices and patence, and supports commitments made by the Government Canada and the Council of the Halak Nation to advance collaboration in the spirit of reconciliation.		
Notices to Mariners		worther conditions, and of exclusion and unitarian therapy mate include calor inclundes the three presenting in polarization shipping bankdowns and accidents. Increasing the datases address population, stereing or other increases of the similarity address population, stereing or other increases, and the likelihood data a training version being able to support a use sets that is cladied or drifting. This is hum reduces the sink of grounding and ol isplic To assets the directivenees of use has an users. A Wolnstry Protection Zone VPC (JPC Supports has been implemented that and version before greater directions when training on the accounter to be there greater directions when training on the	500 tions gross tionage or more transiting along the west coast of Haida Gwaii, with the following exceptions: Cruise weste, who are asked to observe a minimum 12 nm distance from shore. Vessels transiting between Pacific Northwest ports (Washington, BC and Alakala, who are asked to observe a minimum 25 nm		
Edition No. 01/2021 January 29, 2021		west coasts to doerne greater distances when parsing on the west coast of Haida Gwaii. The VPZ is based on the analysis of multi-year, large vessel traffic patterns and potential impacts to industry operations. The	when it does not jeopardize the safety of navigation, the vessel, the persons aboard, and the cargo. (Continued over)		
Safety First, Service Always			rest of the second		
]	Transport Transports Canada Canada	TP 32ME	Voluntary Protection Zone project, visit haidagwaii-vpz.ca.		
Monthly Western Edition	SHIP SAFETY BULLETIN	Bulletin No.: 26/2020 RDMS No.: 206/2020 Date: 2000/12/23	For questions, please contact us at info@haidagwaii-vpz.ca.		
	We issue Ship Safety Balletins for the marker community. Vis to deve calising balletins and to sign spin receive of Subject: Trial Voluntary Protection Coast Haida Gwaii	Sign up for e-Bulletint			
Canadä	Purpose This bulletin is to let you know about a trial voluntary prote-				
	coast of Haida Gwaii.	con zone for suppling on the west			
	Scope This bulletin applies to owners and operators of vessels that and travel in waters around Haida Gwaii.	are of 500 gross tonnage or more			
	What you need to know				
	From September 1, 2020 through October 31, 2021 commer tomage or more must travel at least 50 nautical miles away Haida Gwaii.	cial vessels that are of 500 gross from the shores of the west coast of			
	We ask that you voluntarily respect these distances as long a navigation, your vessel, anyone onboard, or your cargo.	2523 02 36 22 22 22			
	Keywords:	One-stions concerning this Bull clin should be addressed to:			
	1. Haida Gwaii 2. protoción zone 3. shipping	AMSE TransportCanada Marine Safety and Security TowerC, Pauce de Ville 330 Sparks Street, 11° Floor Ottaway, Ontanis K1A 0R8			
	Contact us at: marinesafety-securiterr	uritime@tc.gc.cn or 1-855-859-3123 (Toll Free).			
		Canada	11		

#### **Feedback from Mariners**



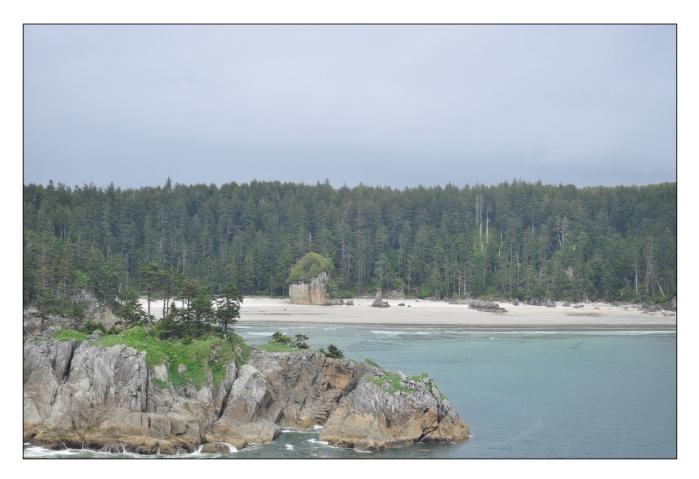
Vessels emailed: 156 Total responses: 107 Response rate: 69%

#### **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

