



PORT OF PRINCE RUPERT COMMUNITY AND FIRST NATION ENGAGEMENT TOOLS

National Sciences Fall Forum, November 2022

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PORT OF PRINCE RUPERT STRATEGIC ADVANTAGES



SAFE ACCESS

Sheltered harbour with direct passage to open Pacific Ocean.



COMMUNITY SUPPORT

Strong local connections to port operations and development



DEEPEST HARBOUR

Easily accommodates the largest vessels trans-Pacific trade



TRANS-CONTINENTAL RAIL

CN's North American network provides direct market reach.





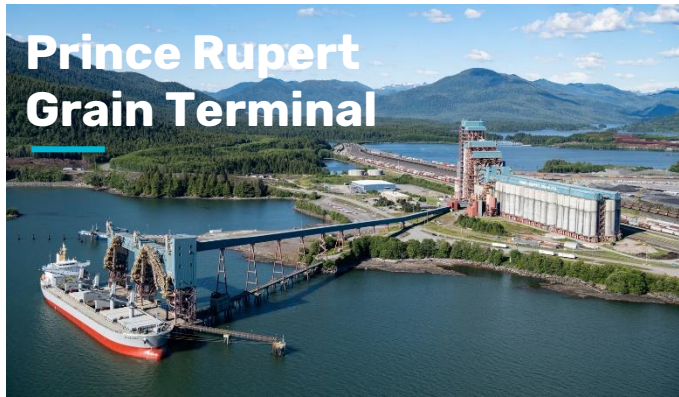




**Westview
Terminal**



**Fairview Container
Terminal**



**Prince Rupert
Grain Terminal**



Trigon Pacific Terminal

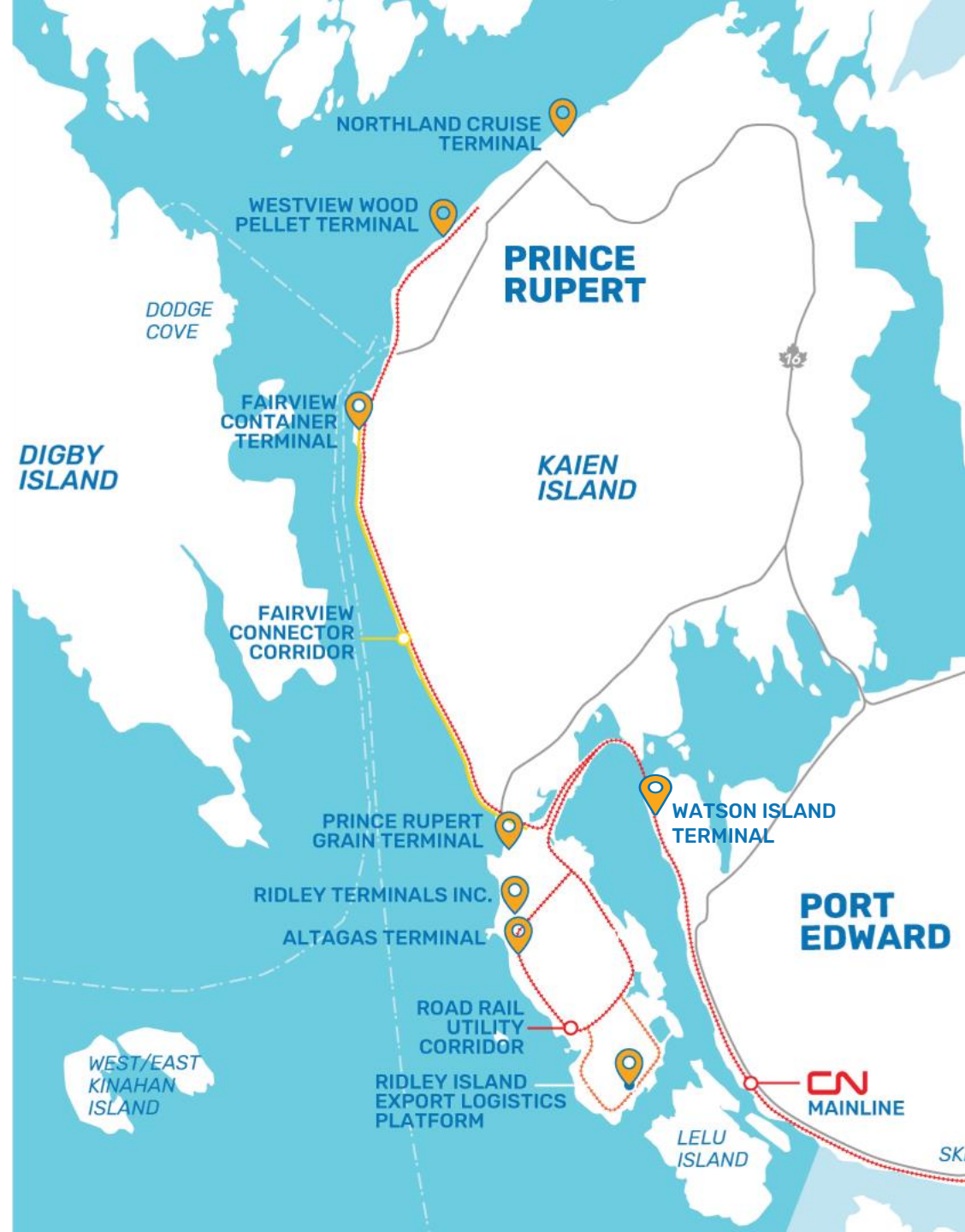


**Ridley Island Propane
Export Terminal**



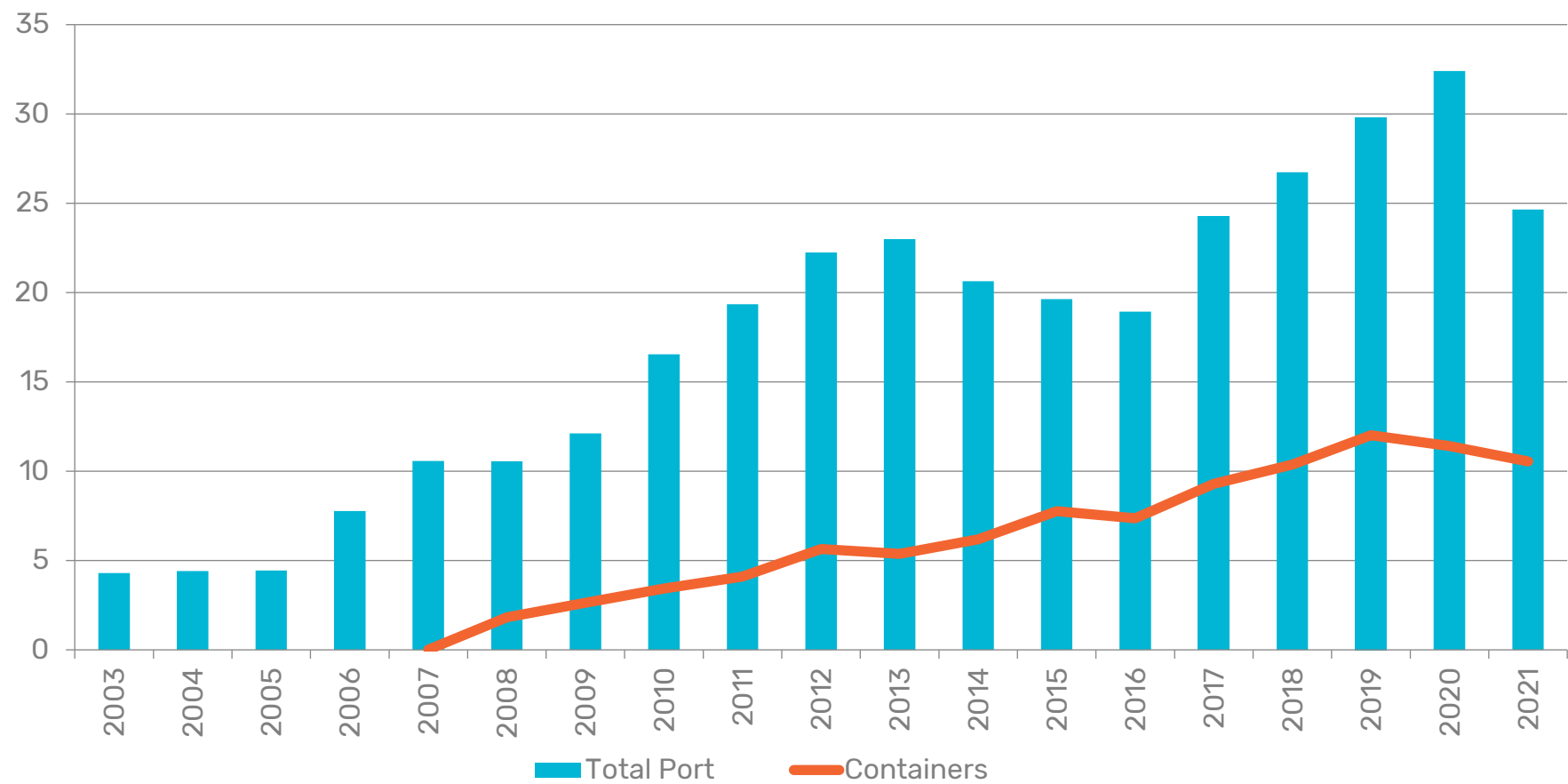
**Watson Island
Terminal**

INVESTMENTS 2016-2021	INVESTMENTS 2021-2026
\$1,250,000,000	\$2,000,000,000



RECORD YEAR FOR THE PORT OF PRINCE RUPERT

2020 Port Volume: 32.4 Million Tonnes



ECONOMIC IMPACT 2020

\$60 BILLION
TRADE VALUE

6100 JOBS
DIRECT & INDIRECT

\$530 MILLION
LABOUR & WAGES

\$740 MILLION
BC GDP CONTRIBUTION

Employment Stability

- Gateway operations provided much needed employment stability during a difficult year
 - Negative impact from cruise and ferry passenger businesses, but direct FTEs grew by 2.8% to 3700 employees
 - Marine, Terminals, Rail, Trucking, Logistics
 - Direct and Indirect employment grew 5% to 6100 jobs

Higher Wages & Benefits

- Total wages from employment increased by 15% to \$530 Million
- Average annual wages increased by 14% to \$95,000
- 55% of full-time jobs found in Prince Rupert Area

Economic Engine

- Economic output increased by 14% to \$1.4 Billion
 - Total value of sales of gateway goods and services
- Contributed \$740 million to BC GDP from direct operations, 19% increase



LAND USE PLANNING

10-year land use plan with input from
First Nations and community



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CONNECTOR CORRIDOR

Completion
August 2022

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August 2022







PORT ENVIRONMENTAL STEWARDSHIP COMMITTEE

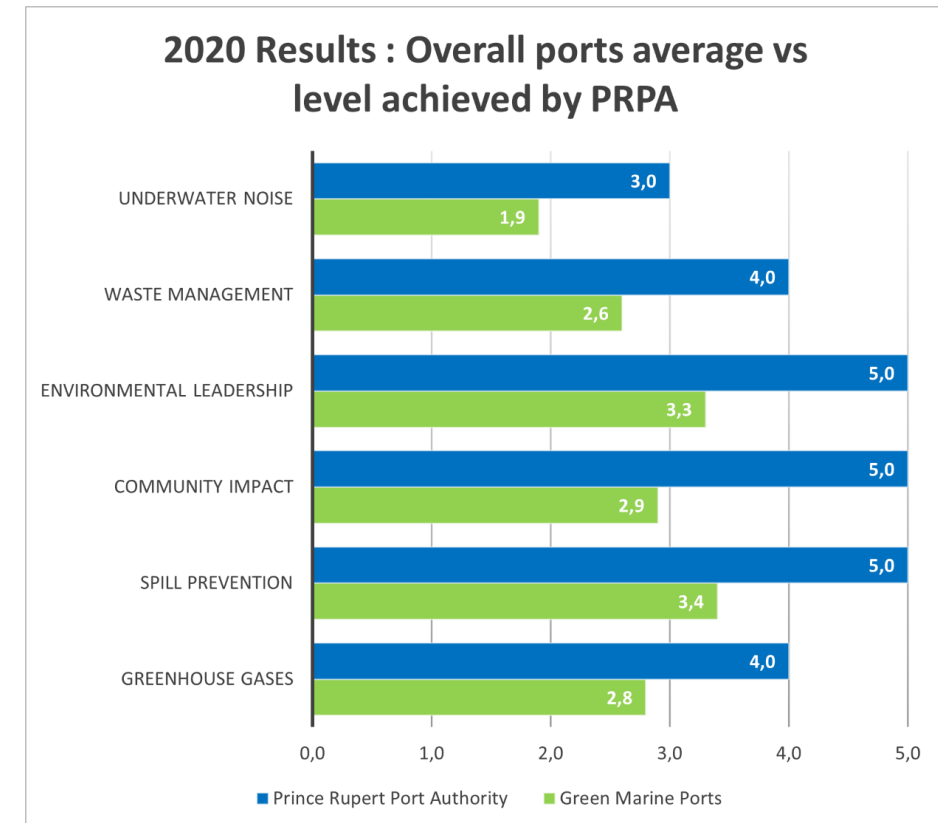
INVESTING IN ENGAGEMENT AND COLLABORATION

Green Marine Program

- North American environmental certification program
- Participants include ports, terminals, ship owners, shipyards and seaways
- Level 1 – 5 environmental performance indicators
- Annual certification and public reporting, bi-annual verification
- PRPA joined program in 2011

2021 PRPA Performance Indicator Scores (verification year)

- Aquatic Invasive Species: Yes
- Greenhouse Gases and Air Pollutants: 5 / 5
- Spill prevention and Stormwater Management: 4 / 5
- Community Impacts: 5 / 5
- Environmental Leadership: 5 / 5
- Waste Management: 4 / 5
- Underwater Noise: 3 / 5
- Community Relations (new category): 5 / 5





Participants

Prince Rupert Port Authority
Ridley Terminals Inc
DP World Prince Rupert
AltaGas
Saam Towage
Tidal Transport
BC Ferries
Alaska State Ferries

Supporters

City of Prince Rupert
District of Port Edward
Port Edward Harbour Authority
Environment Canada
Transport Canada
Fisheries and Oceans Canada
Ocean Networks Canada
BC Chamber of Shipping
WWF
Ocean Wise
Coast Mountain College
Quickload Logistics
Pacific Pilotage Authority
BC Coast Pilots
Ducks Unlimited
Pacific Salmon Foundation
Clear Seas

Western Canada Marine Response Corporation

Partners

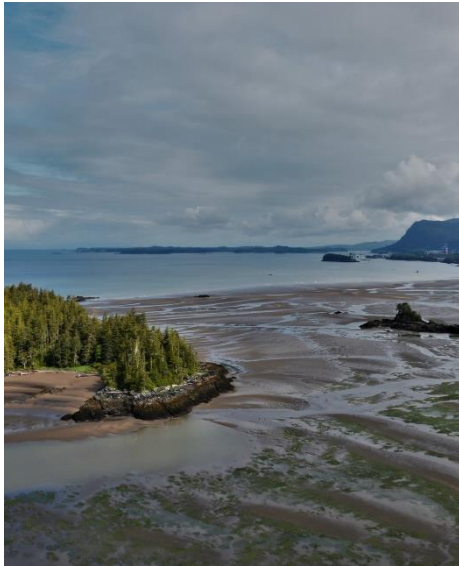
Rightship
Envirochem
Stantec
SNC Lavalin
Hemmera
Khtada Environmental
Triton Environmental
Coastal and Ocean Resources
Climate Smart
Keystone Environmental
JASCO Applied Science
McElhanney
Moffat and Nichol
Schneider Electric
Ventus Development Services
Certified Labs

Environmental Sustainability Plan



CLIMATE AND CARBON

NET ZERO
CARBON BY
2050



ECOSYSTEM HEALTH

PRESERVATION AND
ENHANCEMENT OF
ENVIRONMENTAL
INTEGRITY



MARINE MAMMALS

MINIMIZE
PHYSICAL AND
ACOUSTIC
DISTURBANCE



PORT DEVELOPMENT AND OPERATIONS

MINIMIZE IMPACTS
FOR THE GROWING
PORT



PRPA

LEADERSHIP
THROUGH BOLD
PLANS

LONG TERM ENVIRONMENTAL MONITORING AND RESEARCH

Port-Wide Monitoring and Programs: Establishing a port environmental observatory

- | | |
|---|---|
| 1. Energy and Emission Inventory | → GHG and air emission modelling & estimates |
| 2. Ambient Air Quality Monitoring | → NO _x , SO _x , PM, Ozone levels |
| 3. Deposition Monitoring | → Rainfall chemistry |
| 4. Marine Water Quality | → Metals, nutrients, chlorophyll, PAH, bacteria |
| 5. Pollution Tracker Program | → Ecosystem pollutants in sediment & mussels |
| 6. Biodiversity Surveys | → Bat and aquatic intertidal species diversity & distribution |
| 7. Aquatic Invasive Species | → Early detection of non-native animals & plants |
| 8. Ambient Noise | → Noise levels at port and community locations |
| 9. Underwater Noise | → Underwater noise benchmarks and events |
| 10. Marine Mammals | → Surveys, sighting data collection, research |
| 11. Oceanographic Data | → Tides, currents, temperature |
| 12. Shoreline Mapping & Habitat Inventory | → Baseline data on regional shorelines |

Open and transparent data provided to community, First Nations, port partners, government agencies

A photograph of three orcas swimming in a body of water. The orcas are seen from the side, with their dark dorsal fins and white underbellies visible. They are moving from left to right across the frame. The water is a mix of blue and green, with some white foam from their movement. In the background, there is a rocky shoreline with some green vegetation and a forested hill under a cloudy sky.

MARINE MAMMAL PROGRAM

COLLABORATION TO PROTECT POPULATIONS

PRPA CARBON STRATEGY

REDUCE LEVEL OF CARBON INTENSITY BY 40% BY 2030 (*FROM 2018 LEVELS*)

- 30% reduction in greenhouse gas emissions per tonne of cargo from current (2018) levels
- Reduce carbon intensity from 3.3 kg CO₂e/MT to 2.0 kg CO₂e/MT by 2030
- Includes external commitments including:
 - IMO: 40% reduction in intensity by 2030 (from 2008 levels)
 - Clean BC: 20% renewable fuel content by 2030

NET ZERO CARBON BY 2050

GREEN WAVE PROGRAM

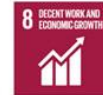
INCENTIVIZING
IMPROVEMENTS TO
VESSEL PERFORMANCE



BSR®

Clean
Cargo
A BSR Working Group

Clean Cargo™ Working Group Sustainable Development
Goals Alignment



RIGHTSHIP



Clean
Shipping
Index



GREEN
MARINE



ESI

ENVIRONMENTAL SHIP INDEX



UNDERWATER NOISE EFFORTS

ONE OF TWO PORTS IN
WORLD TO INCENTIVIZE
REDUCTION OF
UNDERWATER NOISE



**MAERSK
LINE**

**GERDA MAERSK
GERNER MAERSK
GUNVOR MAERSK
MAERSK ALFIRK
MAERSK ALGOL
MAERSK ALTAIR
MAERSK ANTARES**

GREEN WAVE AWARD

WORKING WITH AND
RECOGNIZING
ACCOMPLISHMENTS OF
SHIPPING PARTNERS



SHORE POWER

FAIRVIEW CONTAINER TERMINAL

- First container ship in Canada connected in 2014
- Completing replacement of old equipment and expansion to second berth
- Completion by Q4 2022



VMCC

INDUSTRY
LEADERSHIP TO
DECARBONIZE

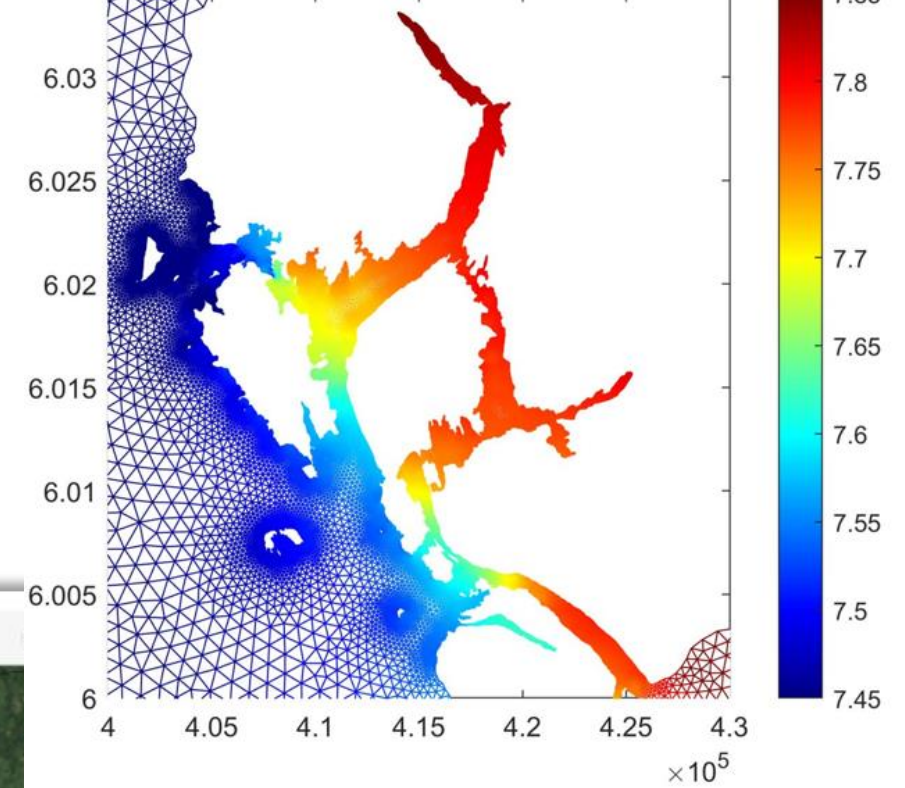
Vancouver Maritime Centre for Climate

About Resources Engage Contact Member Login

**Reducing Emissions.
One Ship at a Time.**

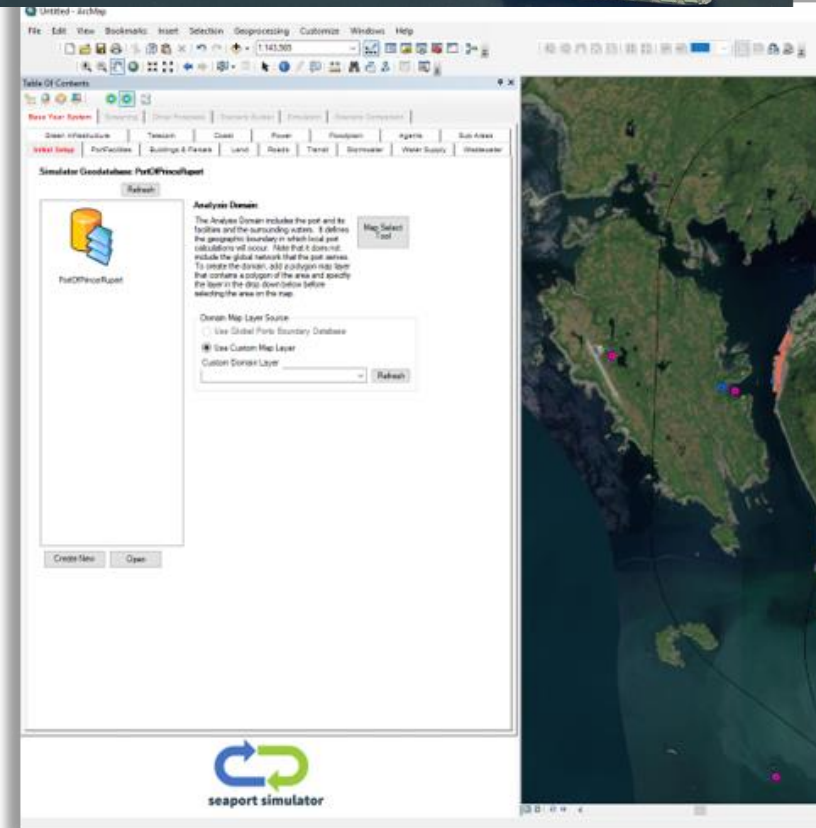
The Vancouver Maritime Centre for Climate is a grassroots, industry led initiative dedicated to accelerating the transition to a zero emissions shipping industry in British Columbia.

LIDAR-based 3D Features – Ridley Island



CLIMATE CHANGE RISK ASSESSMENT

COLLABORATION ON
ADAPTATION
OPPORTUNITIES



Engagement and Collaboration

Port Environmental Stewardship Committee

- Established in 2014
- Participants include: tenants and users, First Nations, government and community reps, NGOs, academics
- Broad committee and smaller advisory working groups (marine mammals, water quality, AIS)
- Quarterly meetings of the PESC

First Nation Stewardship Offices

- Ongoing direct engagement with the various stewardship offices

Community Information Forum

- Ongoing opportunity for dialogue around PRPA's operations and Port development in general

Community Comment Line

- PRPA maintains open communication lines to receive comments, concerns, and ideas from the public and other stakeholders.

Community Investment Fund

- The Fund offers an opportunity to align PRPA's community giving with its environmental, economic, and social sustainability goals

INFORM. ENGAGE. INVEST. ACTIVATE





ECONOMIC DRIVER»

From country to continent

The Port of Prince Rupert has the potential to further bolster economic growth and stability in Western Canada. It is not simply a major driver of the economies of Prince Rupert and B.C., it is fast becoming key to the economy of western Canada from Alberta to Saskatchewan, and the bottom line of some of the world's largest companies. In 2010 it generated and supported

\$150
MILLION
IN WAGES

2700
FULL-TIME
JOBS

\$500
MILLION
IN ECONOMIC
OUTPUT

\$280
MILLION
IN ANNUAL
GDP

OPE503



| EAT, PLAY, LEARN

BREAKFAST CLUB OF CANADA

BAGS OF GOODNESS

FOOD SECURITY CIF PROJECTS

KIDSPORT

YOUTH SPONSORSHIP PROGRAMS (CIF, VOYAGE, RT)

RUPERT RAMPAGE TITLE SPONSORSHIP

PRPA & SD52 LEARNING MODULES

DOLLY'S IMAGINATION LIBRARY

PARTNERSHIP WITH NCLN IN LOCAL STRONG STARTS

SCHOOL PRESENTATIONS & TOURS

LEARNING GATEWAY

CAREER EDUCATION & ADVENTURES IN POPR

COMMUNITY INVESTMENT FUND

PRPA is committed to investing back into the community through the Community Investment Fund (CIF). A portion of PRPA's annual income is earmarked for local projects that:

- Enhance the quality of life or contribute to a lasting legacy
- Have demonstrated, broad based community support
- Have a sustainable, wide-reaching impact in the Prince Rupert and regional community



ROTARY CLUB OF PRINCE RUPERT

CHSS Rainmakers Interact Club Seabins Project



COMMUNITY
INVESTMENT
FUND

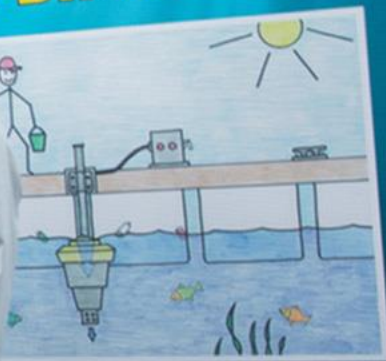


Prince Rupert
Rotary Club

COMMUNITY
INVESTMENT
FUND



HOW DOES THE SEA BIN WORK?



A pump draws water into the Sea Bin. The water is then pushed into a catchment bag which retains the debris for subsequent disposal.



PRINCE RUPERT GROUND SEARCH AND RESCUE

Mobile Command Centre



COMMUNITY
INVESTMENT
FUND



PRINCE RUPERT
Port Authority



Finding A Home

What attracts many people to this community is not only its beauty, but its affordability. Whether you're looking to rent or buy, whether it's your first apartment or your dream home, you'll find it here.

[VIEW MORE](#)



Finding Work

With its bustling port, a healthy tourism industry, year-round recreational activities, and numerous business and development opportunities, the Prince Rupert area is in the midst of an economic upswing. And that means jobs—lots of them.

[VIEW MORE](#)



Entrepreneurs

Affordable commercial properties and a community full of people who







INDIGENOUS PARTICIPATION

Shared Benefits Agreement

- Financial Benefits Aligned with Increasing Volume

Preferred in Infrastructure Contracting Opportunities

- Over \$230M in preferred contracts for Port projects

Employment in Port-Related Businesses

- 38% of local gateway workforce
 - Mirrors local Indigenous population – 38% (2016 Census)

Commercial Business in the Gateway Industry

- Trucking and Transportation
- Logistics and Transload Operations
- Construction

Environmental, Marine Safety and Operational Management

- Sustainable management collaboration for monitoring, preventative and capacity initiatives

Community Relations Engagement

- Investment in training, cultural and economic development

📍 LAX KW'ALAAMS

📍 METLAKATLA
📍 PRINCE RUPERT

📍 GITXAALA

KITSUMKALUM 📍 📍 KITSELAS
TERRACE

📍 GITGA'AT













OUR RIVER. OUR FUTURE.

The Skeena River Salmon Enhancement Program dedicates \$1 million from the Community Investment Fund specifically to partner with local organizations focusing on increasing salmon stock productivity and the maintenance and rehabilitation of critical habitat in the Skeena River



**SKEENA RIVER SALMON
ENHANCEMENT
PROGRAM**





FLORA BANK

DEVELOPMENT MORATORIUM



WATER QUALITY PROGRAM

COLLABORATIVE LONG-TERM BASELINE AND SCIENCE



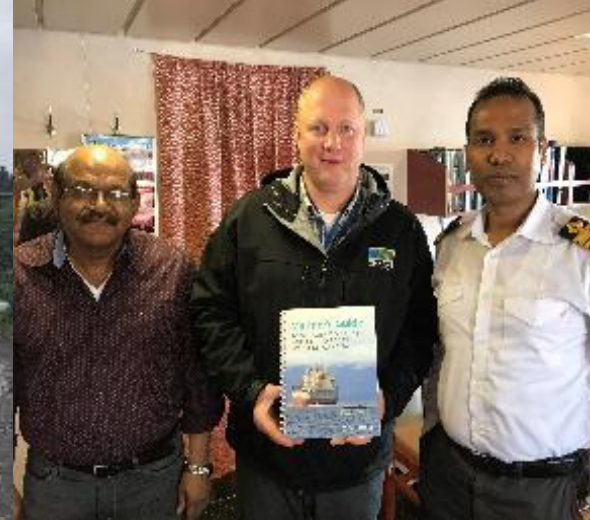
POLLUTION TRACKER

STUDY OF ECOSYSTEM POLLUTANTS





COLLABORATION IS THE KEY TO SUCCESS





THANK YOU

