

TIDAL CURRENTS



Greeting from the HAABC!

Here it is almost summer and it feels like no time has passed since we were all together in Prince Rupert! Here at Comox the marine tourists have been showing up in a steady stream and things are bustling. I predict another very busy summer. Interviews for summer students begin tomorrow and by feedback from the zone meetings many of you will be doing the same. A new addition to the HAABC toolbox is a new worker orientation package, it can be found in the [private documents section](#). You will need a password to access that section, call your zone director or the HAABC office to get it. The documents are in word and excel formats so that you can easily tailor them to your needs. They can be used for both summer students and permanent workers. Another addition on the same theme, and available in the same place, is a Monthly Facility Safety Inspection Checklist.

Now to add your harbours tourist experience here are a few events happening in Harbour Authorities on the coast this summer. If you have an event I have missed please remember to send it to me next year or feel free to post on the forum a few weeks prior to the date.

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|-----------------|---|
| July 1 | Sointula - Sointula Canada Day Regatta |
| July 15 - 17 | Port Hardy - Filomi Days |
| July 21-24 | Squamish - Squamish Wind Festival |
| July 22 - 23 | Alert Bay - Seafest & Musicfest Ocean Life |
| July 23 - 25 | Powell River - Sea Fair |
| July 30 - Aug 1 | Comox - Nautical Days |
| July 31 | Cortes Island - Gumboot Toss & Nautical Swap Meet |
| August 5 - 7 | Haida Gwaii - Edge of the World Music Festival |
| August 20 | Port McNeill - OrcaFest |
| August 28 | False Creek - Fraser Fest |

Harbour Authority of Cortes Island

PRESENTS

**GUMBOOT TOSS COMPETITION
& NAUTICAL SWAP MEET**



AT SQUIRREL COVE TRADING CO. PICNIC GROUNDS

SUNDAY, JULY 31ST, 2016. 11AM TO 2PM

**FOOD
MERRIMENT
PRIZES
MUSIC**

COMPETITION CATEGORIES

MEN'S, WOMEN'S, COUPLES

YOUTH UNDER 14YRS, TEAM CHALLENGE

**SPONSORED BY: CANADIAN TIRE &
OCEAN PACIFIC MARINE SUPPLY**

OVER \$300 IN PRIZES

Curing the Parking Epidemic

Angela Smith

Parking at one of three Port Hardy Harbour Authority facilities costs \$5.30 a day or \$84.95 annually. There are public washrooms, lighting, a boat launch and a view of the harbour, and yet despite these great services and idyllic location, there are problems. To generalize PHHA's parking problem, there had historically been insufficient enforcement of parking policy, which led to an over-capacity issue in peak season. In 2016, PHHA launched into fixing this and other parking problems.

First, we re-formatted the parking violation warning system. The bright orange warning notice was replaced with a faded blue-colour parking violation notice. Through the use of a pale blue colour, a visual association with a municipal ticket or a traffic warning occurred. Indiscriminate use of violation notices sent the message to users that there was a change to the system, and users started coming in to the office with the violation notice to pay for their parking, a phenomenon which never occurred with the orange warning system.

Second, we digitized our records, forming a database of registered users to aid in tracking, enforcement and towing. Through Google Spreadsheets, we found a plug-in called Appsheet. It allows the user to form a mobile application for smartphones or tablets from a spreadsheet. After creating a few drafts in Google, it was found to be easier to make an app through one of the pre-made templates available on the Appsheet website - www.appsheet.com/SampleApps . For instance, our parking lot inspection app started as a crop inspection app for farmers. We renamed the fields (no pun intended) renamed the headers in our google spreadsheet, and created our own custom tracking system. We now have a database of vehicles, and when staff does a parking lot walk they instantly sync the information gathered onto a database in our google drive. PHHA now has the ability to report on our parking statistics completely, including missed revenue and money recouped through our parking violation notices. We also reduce liability in ordering a tow; the app allows for images of the vehicle in question to be stored online. Gone are the days when someone can claim "my pass was in the window; you must have missed it."

Lastly, like many locations already do, we replaced our annual and monthly passes with a plasticized hang-tag. It's UV protected, and the expiry date is replaced with a decal. This is a green initiative, which also

sparers us the cost of producing new plastic passes annually.

These three steps were done with very little expense to the Harbour Authority, and the use of the App has reduced labour hours associated with additional record keeping and enforcement. We thought strategically, changed a practice and engaged technology. Parking revenues have been steadily increasing, violations are becoming less common. The system will be under the most stress during summer use, but given our successful trial in the spring 2016 we have high expectations for parking revenues through peak season.

Fisheries and Oceans Canada has a new Minister at the helm after the resignation of Hunter Tootoo in May. The Hon Dominic LeBlanc now heads this Ministry. Visit the Fisheries & Oceans website for information [About the Minister](#) and to read the [Minister's Mandate Letter](#). The HAABC wholeheartedly supports the ministries goal to protect our three oceans, waterways and fisheries, and offers our cooperation and support.

2016 Calendar of Events

| | |
|---------------|--|
| June 30 | Dick Maughan Memorial Marine Scholarship Application |
| July 27 | 2017 HAABC Seminar Planning Meeting |
| September 15 | Tidal Currents Newsletter |
| September 21 | HAABC Board Meeting |
| October 5 | Sunshine Coast Zone Meeting |
| October 6 | North Island Zone Meeting |
| October 11-14 | PCC Harbormasters Conference, Bremerton, WA |
| October 18 | Mid Island Zone Meeting |
| October 20 | Lower Mainland Zone Meeting |
| October 25 | North Coast Zone Meeting |
| October 27 | South Island Zone Meeting |
| November 1 | HAC Insurance Payment Deadline |
| November 3 | HAABC Board Meeting |
| December 7 | HAABC Board Meeting |
| December 15 | Tidal Currents Newsletter |

HAABC Tools

Legal Initiative Pilot – Do you need some legal advice but are uncertain about how to wade in? Unsure of the costs? The HAABC can provide you with an initial legal consultation free of charge. Call your zone director or Leslie to set it up. 250-339-3970

Mentoring – New to the business? Unsure of where you are at? The HAABC can provide you with assistance through mentoring. We will come to your harbour, look at what you have, and make recommendations. If you are interested call your zone director or Leslie.

USB Flash Drive – The HAABC has both developed and acquired a bunch of HA related information. Generic moorage agreements, generic contracts, conference presentations, etc. As well we have included SCH documents ie. HA manuals, insurance forms, Environmental Management handbook, panic book template etc. They have all been put on a memory stick, these will be distributed at zone meetings and can be obtained anytime upon request.

HAABC Email Forum – The webmail is a way to connect with your community of Harbour operations experts. Ask pretty much any question and you will get at least half a dozen opinions from other harbour managers and operations staff. Looking for information on a vessel? Just ask, someone will have it. We have even had success retrieving a stolen vessel for one of our HAs customers! Call Leslie to try out the forum, change the email address you use, or to get info on how it works.

HAABC Website – The HAABC website has been updated and reconstructed. Check to see that your contact info is correct, find it under the Harbour Authorities by Zone tab. The private documents section, under the 'About the HAABC' tab can be accessed using a private password, contact your zone director to get the password. The website has much of the information that is on the HAABC thumbdrive. Please check out the new version and provide comment, we can still make some small changes.

Vessels of Concern Package – This can be found on the website and the HAABC thumbdrive. It includes the model moorage agreement, action

flow chart, and Vessels of Concern booklet. Darren Williams LLP, with input from SCH and the HAABC, penned this package. Don't hesitate to call Darren at 250-888-0002 if you have a problem vessel/owner in your harbour. He is the expert!

HAABC Brochure – If you need copies of the HAABC brochure which lists HAs and contact info please call or email Leslie. They will be sent to your harbour.

HAABC Directory – The directory will be updated and distributed at fall zone meetings.

Zone Director – Put your zone director on speed dial, they are great resources for all HA related information. HAABC Administrator – Leslie can be reached at 250-339-3970 or toll free [1-855-422-2260](tel:1-855-422-2260)

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DICK MAUGHAN MEMORIAL MARINE EDUCATION SCHOLARSHIP

In memory of Dick Maughan, the Harbour Authority Association of BC will award one \$500 academic scholarship annually to a qualified individual who is graduating high school and is enrolled in a BC post-secondary program in marine education or harbour operations and development OR to a qualified individual who is already enrolled in such a program OR to an HAABC member who wishes to take a University of Alaska online training course. Applications are due June 30, 2016. Visit the [HAABC website](#) for application forms.

PACIFIC COAST CONGRESS OF HARBORMASTERS AND PORT MANAGERS FALL MEMBERSHIP CONFERENCE

The fall PCC conference, hosted by the Port of Bremerton, will be held on October 11-14, 2016 in Bremerton WA. Take this opportunity to visit their lovely marina. it is just a short trip from Victoria via the Black Ball ferry. Check out the PCC [Website](#) for more information.

CLEAN UP THE COAST CHALLENGE FISH NET RECYCLING PROJECT

Project Objectives:

End of life fishing nets, and other discarded fishing gear, are present in numerous BC harbours, but currently there is no way to dispose of them sustainably. Most are dumped in a landfill where available, while others are discarded and may end up in local waterways. The objectives of this project are:

- 1) to remove end of life fishing nets and gear from BC harbours;
- 2) to ensure this gear does not enter local waterways where it can pose a risk to wildlife and navigation; and
- 3) to recycle as much of this gear as possible to avoid it ending up in the waste stream.

Project Outline:

The project will attempt to set up a distribution network whereby it is possible for harbours to send their end of life nets / gear to several designated centres where it can be collected. The nets / gear will then be picked up and transported to Steveston Harbour, where if possible, it will be recycled through the Steveston Harbour Authority Net Recycling Program (this will depend on the condition and composition of the nets / gear in question). Any nets / gear not able to be recycled will be buried in a landfill to reduce the environmental impact of disposal as much as possible.

Project Timeline:

It is hoped that the project can be completed in 2016, though an exact timeline is difficult to predict at this early stage. It will depend on numerous factors including:

- 1) securing funding;
- 2) getting harbours to commit to the project; and
- 3) securing transportation and other logistics.

Potential Project Stakeholders/Partners:

Steveston Harbour Authority (SHA), Queen Charlotte Harbour Authority (QCHA), Port Edward Harbour Authority (PEHA), Harbour Authority

Association of British Columbia (HAABC), Canadian Coast Guard (CCG), Bandstra Transportation, Environment Canada, Tides Canada, David Suzuki Foundation, and the Department of Fisheries and Oceans Small Craft Harbours Program (SCH).

Project Methodology:

It has been established that in addition to Steveston Harbour Authority, Queen Charlotte and Port Edward Harbour Authorities also have significant issues with nets / gear. The next step will be to engage the HAABC to help understand the extent of the problem in the remaining harbours on the BC coast. This can be done through HAABC board members at zone meetings scheduled for May 2016. Once the extent of the problem is known, logistics work setting up a distribution / transportation network to get these nets to Steveston will commence. To that end, tentative interest in participating in the project has been expressed by both Bandstra Transportation (via land) and the Canadian Coast Guard (via water) to get these nets to Steveston to be recycled.

Project Scope:

The first nets to be removed as part of this project would be some purse seines that have been abandoned on a breakwater in Queen Charlotte. This net has been sitting and decaying on the breakwater for many years and its weight has taken its toll on the breakwater to the point that the breakwater's integrity may be compromised. The PEHA also has numerous nets in their upland storage areas that have been deteriorating and are no longer useable for fishing. Steveston Harbour has begun a clean up of their uplands and has recycled 80,000 pounds of nylon seine and gill net as of April 2016. Many other harbours have similar situations, with abandoned, lost, derelict or otherwise discarded fishing nets / gear present at their sites.

Project Cost:

To be determined based on the extent of the issue, the volume of nets needing to be transported, and the price to move the required material to Steveston. However, once the initial research has been done and an approximate cost determined, the project can be scaled in either direction, as necessary. It should be possible to do a small pilot project to determine its effectiveness before taking it to a larger scale, if required.

What is Coastline?

Coastline is a software company built for the fishing industry, with a mission of empowering and strengthening the success of commercial fishers across North America. It was started by Joseph, Robert and Abdul – three university students who grew up on the east and west coasts of Canada. The ‘aha-moment’ was conceived on a small dock with family in New Brunswick when Robert realized that fishers faced incredible hardships and weren’t able to reap the rewards of the end-market.

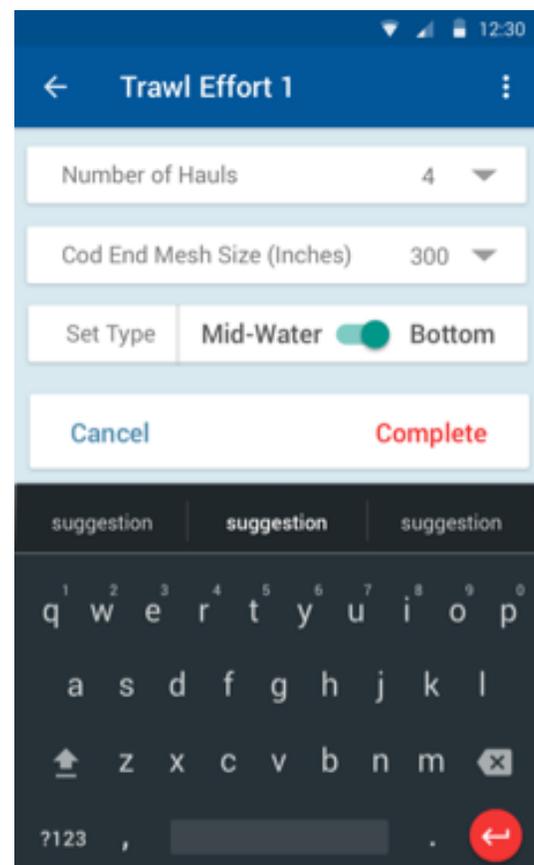
Why Coastline

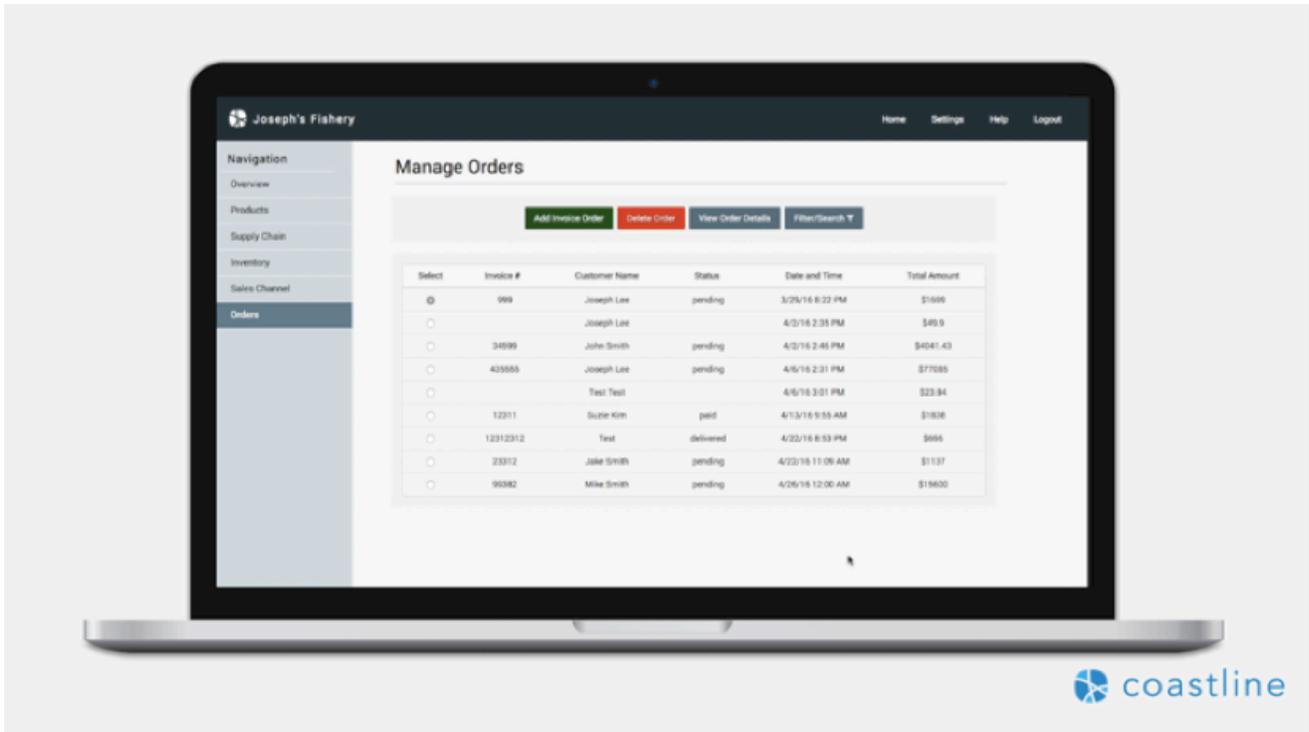
The Coastline platform optimizes the direct selling process by facilitating connections between commercial fishing boat operators and retail buyers of seafood.

We provide this service while automating the logistics process and management work required to sell direct to restaurants, grocery chains and end consumers. This reduces complexity for commercial fishing boat operators and enables them to focus their efforts on what they love to do – fish.

For commercial fishers, this results in higher profit margins, improved quality control, and profitable partnerships with local organizations. On the other hand, local retail buyers can purchase the most traceable, fresh fish with minimized food miles. After speaking to operators who have successfully sold locally, we have seen that commercial fishing boat operators can increase revenues (on average) by 33%.

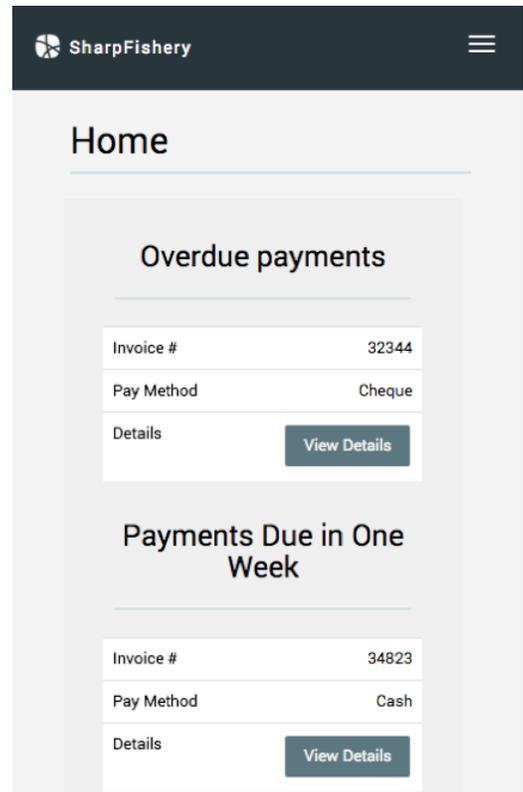
Moving forward, Coastline is working with the Maritimes and Ontario government to





simplify and automate the mandatory paper logbooks that commercial fishers have to fill out every time they come to the dock. By entering the data required for the audit form on a phone, a commercial fishing boat operator can see instant updates to their remaining quota and can save valuable time. Coastline also plans to provide these services to the B.C region in the coming months.

If you're interested in learning more about Coastline or accessing the platform, please contact Joseph Lee at joseph@coastlinemarket.com or at 778-919-6070.



For fisheries looking to manage and track seafood across their operations, Coastline also provides inventory management services:

<https://www.youtube.com/watch?v=olBE8r-apeQ>

WORKING WITH YOUR GOVERNMENT

During our spring round of zone meetings HAs were alerted that a visit from an Environment Canada enforcement officer, particularly if you have a waste oil tank, might be in your future. Due to past experiences this was not met with enthusiasm. Knowledge is power. Here are some facts that will hopefully ease your concerns and clear up any misconceptions:

What is now Environment and Climate Change Canada was created on June 11, 1971, from elements of the Government of Canada such as the Meteorological Service of Canada (established in 1871) and the Canadian Wildlife Service (established in 1947).

The Department of Environment began operation with five services:

- Atmospheric Environment Service
- Environmental Protection Service
- Fisheries Service
- Land, Forest and Wildlife Service
- Water Management Service

The architects of the early Department of Environment envisioned an organization that would act as ecosystem manager, incorporate ecological concerns into decision making, and be built on concepts now known as ecosystem-based management.

The 1970s saw improvements to the Atmospheric Environment Service's Weather Service, with bilingual forecasts initiated in Ontario, Quebec, and the Atlantic provinces, and with wind chill forecasts in Saskatchewan. In addition to this, the Weatheradio system was established, and the Canadian Climate Centre was created.

In 1979, organizational changes led to the Fisheries Service leaving the Department of Environment to form the Department of Fisheries and Oceans.

In the 1980s, Canada hosted the first International Conference on Acid Rain, and the Department of Environment launched the first of what would be a series of ecosystem initiatives with the Great Lakes Action Plan. The Action Plan opened the doors to a new way of doing business for the department. Using an integrated ecosystem approach incorporating water, air, wildlife, habitat, and pollution in the Great Lakes Basin, the department began to act as a catalyst, seeking collaboration among all interested parties. The launch of the Action Plan was the

beginning of the Great Lakes clean-up and of our ecosystem approach, which is still the foundation of our work today.

In 2015, the Department become known as Environment and Climate Change Canada.

Environment and Climate Change Canada Mandate

Environment and Climate Change Canada's mandate is to preserve and enhance the quality of the natural environment, including water, air, soil, flora and fauna; conserve Canada's renewable resources; conserve and protect Canada's water resources; forecast daily weather conditions and warnings, and provide detailed meteorological information to all of Canada; enforce rules relating to boundary waters; and coordinate environmental policies and programs for the federal government.

The department has 6800 employees from a broad range of fields including biology, chemistry, meteorology, climatology, engineering, commerce, communications, law enforcement, environmental sciences, hydrology, informatics, law, library science, policy, and more. These employees work in over 100 communities across the country, from Iqaluit to Toronto and Vancouver to St. John's. Over 65 per cent of the workforce is located outside of Ottawa.

This diverse expertise strengthens our ability to deal with increasingly complex and changing environmental issues. From the Canadian Ice Service to the Canadian Hurricane Centre, from laboratories and weather stations to national wildlife areas and field offices—our people deliver quality services.

Today the Minister of Environment and Climate Change Canada is Catherine McKenna who represents the riding of Ottawa centre. Her mandate letter can be found at [ECC MANDATE LETTER](#).

To find out more about what they do click on the following links:

- [Facts and Figures](#) [Science](#) [Enforcement](#) [Promotion](#)
- [Research](#)
 - ▶ [Climate Change](#)
 - ▶ [Weather and Meteorology](#)
 - ▶ [Air Quality](#)
 - ▶ [Water](#)
 - ▶ [Nature](#)